

e-FILING REPORT COVER SHEET

COMPANY NAME: NW Natural

DOES REPORT CONTAIN CONFIDENTIAL INFORMATION? No Yes If yes, submit a redacted public version (or a cover letter) by email. Submit the confidential information as directed in OAR 860-001-0070 or the terms of an applicable protective order.

Select report type: RE (Electric) R G (Gas)	RW (Water)	RT (Telecommunica	ations)
	RO (Other,	for example, indus	try safety information	1)
Did you previously file a si	milar report? No	■ Yes, report doc	ket number: RG 37	
	tatute			
Note (file	rder e: A one-time submission compliance in the applica ther	- ·	er is a compliance fili	ing and not a report
(For	example, federal regulati	ons, or requested b	y Staff)	
Is this report associated wit	h a specific docket/case?		Yes, docket number:	RG 37

List Key Words for this report. We use these to improve search results.

Annual Report, FERC Form 2

Send the completed Cover Sheet and the Report in an email addressed to <u>PUC.FilingCenter@state.or.us</u>

Send confidential information, voluminous reports, or energy utility Results of Operations Reports to PUC Filing Center, PO Box 1088, Salem, OR 97308-1088 or by delivery service to 201 High Street SE Suite 100, Salem, OR 97301.



250 SW Taylor Street Portland, OR 97204 503-226-4211 nwnatural.com

May 1, 2023

VIA ELECTRONIC FILING AND MAIL

Public Utility Commission of Oregon Attention: Filing Center 201 High Street SE, Suite 100 Salem, Oregon 97301-3398

Re: RG 37 – Annual Report for the year ending December 31, 2022 FERC Form 2, Oregon Supplements to FERC Form 2, and Annual Report to Shareholders

In accordance with OAR 860-027-0070, Northwest Natural Gas Company, dba NW Natural ("NW Natural" or "Company"), files herewith its Annual FERC Form 2 Report ("FERC Form 2"), the Oregon Supplements to FERC Form 2, and the Annual Report to Shareholders for the year ending December 31, 2022. A PDF and Excel version of the FERC Chart of Accounts Pre-Closing Trial Balance is also included.

Please note, NW Natural's FERC Form 2 and Oregon Supplements are not available in Excel workbook format due to the program used to complete these. Two CDs containing the Excel version of the FERC Chart of Accounts will be mailed. Five hard copies and one CD of the Annual Report to Shareholders will also follow.

Please address any correspondence on this matter to me, with copies to Mr. Brody Wilson, Vice President, CAO, Controller & Treasurer, at the address above.

Sincerely,

NW NATURAL

/s/ Zachary Kravitz

Zachary Kravitz Vice President, Rates and Regulatory Affairs

Enclosures

F.P.C. Form No. 2

UBI: 93-0256722

Form approved.

Budget Bureau No. 54-R009

NATURAL GAS COMPANIES

(Class A and B)

ANNUAL REPORT

OF

NORTHWEST NATURAL GAS COMPANY

(Exact Legal Name of Respondent)

If name was changed during year, show also the previous name and date of change

PORTLAND, OREGON

(Address of Principal Business Office at End of Year)

TO THE

PUBLIC UTILITY COMMISSION OF OREGON

AND

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

YEAR ENDED DECEMBER 31, 2022

Name, Title, and address of officer or other person to whom should be addressed any communication concerning this report:

Brody J. Wilson, Vice President, Chief Accounting Officer, Controller and Treasurer 250 S.W. Taylor Street Portland, Oregon 97204 Blank Page

THIS FILING IS

Item 1: ⊠ An Initial (Original OR □ Resubmission No. ____ Submission) Form 2 Approved OMB No. 1902-0028 Expires 4/30/2024

Form 2A Approved OMB No: 1902-0030 Expires: 4/30/24

Form 3-Q Approved OMB No. 1902-0205 Expires 7/31/2025



FERC FINANCIAL REPORT

FERC FORM No. 2: Annual Report of Major Natural Gas Companies

Form No. 2-A: Annual Report for Non-Major Natural Gas Companies

Supplemental Form No. 3-Q: Quarterly Financial Report

These reports are mandatory under the Natural Gas Act, Sections 10(a), and 16 and 18 CFR Parts 260.1 and 260.300. Failure to report may result in criminal fines, civil penalties, and other sanctions as provided by law. The Federal Energy Regulatory Commission does not consider these reports to be of a confidential nature.

Exact Legal Name of Respondent (Company)
NORTHWEST NATURAL GAS COMPANY

Year/Period of Report End of 12/31/2022 Blank Page

INSTRUCTIONS FOR FILING FERC FORMS 2, 2-A and 3-Q

GENERAL INFORMATION

I Purpose

FERC Forms 2, 2-A, and 3-Q are designed to collect financial and operational information form natural gas companies subject to the jurisdiction of the Federal Energy Regulatory Commission. These reports are also considered to be a non-confidential public use forms.

II. Who Must Submit

Each natural gas company whose combined gas transported or stored for a fee exceed 50 million dekatherms in each of the previous three years must submit FERC Form 2 and 3-Q.

Each natural gas company not meeting the filing threshold for FERC Form 2, but having total gas sales or volume transactions exceeding 200,000 dekatherms in each of the previous three calendar years must submit FERC Form 2-A and 3-Q.

Newly established entities must use projected data to determine whether they must file the FERC Form 3-Q and FERC Form 2 or 2-A.

III. What and Where to Submit

- (a) Submit Forms 2, 2-A and 3-Q electronically through the submission software at http://www.ferc.gov/docs-filing/eforms/form-2/elec-subm-soft.asp .
- (b) The Corporate Officer Certification must be submitted electronically as part of the FERC Form 2 and 3-Q filings.

(c) Submit immediately upon publication, by either eFiling or mailing two (2) copies to the Secretary of the Commission, the latest Annual Report to Stockholders and any annual financial or statistical report regularly prepared and distributed to bondholders, security analysts, or industry associations. Do not include monthly and quarterly reports. Indicate by checking the appropriate box on Form 2, Page 3, List of Schedules, if the reports to stockholders will be submitted or if no annual report to stockholders is prepared. Unless eFiling the Annual Report to Stockholders, mail these reports to the Secretary of the Commission at:

Secretary of the Commission Federal Energy Regulatory Commission 888 First Street, NE Washington, DC 20426

(d) For the Annual CPA certification, submit with the original submission of this form, a letter or report (not applicable to respondents classified as Class C or Class D prior to January 1, 1984) prepared in conformity with the current standards of reporting which will:

(i) Contain a paragraph attesting to the conformity, in all material respects, of the schedules listed below with the Commission's applicable Uniform Systems of Accounts (including applicable notes relating thereto and the Chief Accountant's published accounting releases), and

(ii) be signed by independent certified public accountants or an independent licensed public accountant certified or licensed by a regulatory authority of a State or other political subdivision of the U. S. (See 18 C.F.R. §§158.10-158.12 for specific qualifications.)

Reference	<u>Reference</u> <u>Schedules Pages</u>
Comparative Balance Sheet Statement of Income	110-113 114-117
Statement of Retained Earnings	118-119
Statement of Cash Flows	120-121
Notes to Financial Statements	122-123

Filers should state in the letter or report, which, if any, of the pages above do not conform to the Commission's requirements. Describe the discrepancies that exist.

(e) Filers are encouraged to file their Annual Report to Stockholders, and the CPA Certification Statement using eFiling. To further that effort, new selections, "Annual Report to Stockholders" and "CPA Certification Statement," have been added to the dropdown "pick list" from which companies must choose when eFiling. Further instructions are found on the Commission website at http://www.ferc.gov/help/how-to.asp

(f) Federal, State and Local Governments and other authorized users may obtain additional blank copies of FERC Form 2 and 2-A free of charge from: <u>http://www.ferc.gov/docs-filing/eforms/form-2/form-2.pdf</u> and <u>http://w</u>

IV. When to Submit:

FERC Forms 2, 2-A, and 3-Q must be filed by the dates:

- (a) FERC Form 2 and 2-A --- by April 18th of the following year (18 C.F.R. §§ 260.1 and 260.2)
- (b) FERC Form 3-Q --- Natural gas companies that file a FERC Form 2 must file the FERC Form 3-Q within 60 days after the reporting quarter (18 C.F.R.§ 260.300), and
- (c) FERC Form 3-Q --- Natural gas companies that file a FERC Form 2-A must file the FERC Form 3-Q within 70 days after the reporting quarter (18 C.F.R. § 260.300).

V. Where to Send Comments on Public Reporting Burden.

The public reporting burden for the Form 2 collection of information is estimated to average 1,623 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data-needed, and completing and reviewing the collection of information. The public reporting burden for the Form 2A collection of information is estimated to average 250 hours per response. The public reporting burden for the Form 3-Q collection of information is estimated to average 165 hours per response.

Send comments regarding these burden estimates or any aspect of these collections of information, including suggestions for reducing burden, to the Federal Energy Regulatory Commission, 888 First Street NE, Washington, DC 20426 (Attention: Information Clearance Officer); and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503 (Attention: Desk Officer for the Federal Energy Regulatory Commission). No person shall be subject to any penalty if any collection of information does not display a valid control number (44 U.S.C. § 3512 (a)).

GENERAL INSTRUCTIONS

- I. Prepare all reports in conformity with the Uniform System of Accounts (USofA) (18 C.F.R. Part 201). Interpret all accounting words and phrases in accordance with the USofA.
- II. Enter in whole numbers (dollars or Dth) only, except where otherwise noted. (Enter cents for averages and figures per unit where cents are important. The truncating of cents is allowed except on the four basic financial statements where rounding is required.) The amounts shown on all supporting pages must agree with the amounts entered on the statements that they support. When applying thresholds to determine significance for reporting purposes, use for balance sheet accounts the balances at the end of the current reporting period, and use for statement of income accounts the current year's year to date amounts.
- III. Complete each question fully and accurately, even if it has been answered in a previous report. Enter the word "None" where it truly and completely states the fact.
- IV. For any page(s) that is not applicable to the respondent, omit the page(s) and enter "NA," "NONE," or "Not Applicable" in column (d) on the List of Schedules, pages 2 and 3.
- V. Enter the month, day, and year for all dates. Use customary abbreviations. **The "Date of Report" included in the header of each page is to be completed only for resubmissions**.
- VI. Generally, except for certain schedules, all numbers, whether they are expected to be debits or credits, must be reported as positive. Numbers having a sign that is different from the expected sign must be reported by enclosing the numbers in parentheses.
- VII. For any resubmissions, submit the electronic filing using the form submission only. Please explain the reason for the resubmission in a footnote to the data field.
- VIII. Footnote and further explain accounts or pages as necessary.
- IX. Do not make references to reports of previous periods/years or to other reports in lieu of required entries, except as specifically authorized.
- X. Wherever (schedule) pages refer to figures from a previous period/year, the figures reported must be based upon those shown by the report of the previous period/year, or an appropriate explanation given as to why the different figures were used.
- XI. Report all gas volumes in Dth unless the schedule specifically requires the reporting in another unit of measurement.

	DEFINITIONS
I	Btu per cubic foot The total heating value, expressed in Btu, produced by the combustion, at constant pressure, of the amount of the gas which would occupy a volume of 1 cubic foot at a temperature of 60°F if saturated with water vapor and under a pressure equivalent to that of 30°F, and under standard gravitational force (980.665 cm. per sec) with air of the same temperature and pressure as the gas, when the products of combustion are cooled to the initial temperature of gas and air when the water formed by combustion is condensed to the liquid state (called gross heating value or total heating value).
	I. <u>Commission Authorization</u> The authorization of the Federal Energy Regulatory Commission, or any other Commission. Name the commission whose authorization was obtained and give date of the authorization.
1	II. <u>Dekatherm</u> A unit of heating value equivalent to 10 therms or 1,000,000 Btu.
	V. <u>Respondent</u> The person, corporation, licensee, agency, authority, or other legal entity or instrumentality on whose behalf the report is made.

EXCERPTS FROM THE LAW (Natural Gas Act, 15 U.S.C. 717-717w)

"Sec. 10(a). Every natural-gas company shall file with the Commission such annual and other periodic or special reports as the Commission may by rules and regulations or order prescribe as necessary or appropriate to assist the Commission in the proper administration of this act. The Commission may prescribe the manner and form in which such reports shall be made and require from such natural-gas companies specific answers to all questions upon which the Commission may need information. The Commission may require that such reports include, among other things, full information as to assets and liabilities, capitalization, investment and reduction thereof, gross receipts, interest dues and paid, depreciation, amortization, and other reserves, cost of facilities, costs of maintenance and operation of facilities for the production, transportation, delivery, use, or sale of natural gas, costs of renewal and replacement of such facilities, transportation, delivery, use and sale of natural gas..."

"Section 16. The Commission shall have power to perform all and any acts, and to prescribe, issue, make, amend, and rescind such orders, rules, and regulations as it may find necessary or appropriate to carry out the provisions of this act. Among other things, such rules and regulations may define accounting, technical, and trade terms used in this act; and may prescribe the form or forms of all statements declarations, applications, and reports to be filed with the Commission, the information which they shall contain, and

time within they shall be filed..."

General Penalties

The Commission may assess up to \$1 million per day per violation of its rules and regulations. See NGA § 22(a), 15 U.S.C. § 717t-1(a).

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

FERC FORM NO. 2:

	ANNUAL REPORT OF MAJOR NATURAL GAS COMPANIES					
	IDENTIFICATION					
01	Exact Legal Name of Respondent	02 Year of Report				
	Northwest Natural Gas Company	December 31, 2022				
03	Previous Name and Date of Change (If name changed durin	ig year)				
04	Address of Principal Office at End of Year (Street, City, Stat	te, Zip Code)				
	250 S.W.Taylor Street, Portland OR 97204	1				
05	Name of Contact Person	Title of Contact Person				
	Brody J. Wilson	Vice President, Chief Accounting Off	ficer, Controller and Treasurer			
07	Address of Contact Person (Street, City, State, Zip Code)					
	250 S.W.Taylor Street, Portland OR 97204	This Report Is:	40 Data of Domont			
08	Telephone of Contact Person, Including Area Code	•	10 Date of Report			
	(502) 226 4244	(1) ⊠ An Original	(Mo, Day, Yr)			
	(503) 226-4211		4/28/2023			
	ANNUAL CORPORATE e undersigned officer certifies that:	E OFFICER CERTIFICATION				
stat	ve examined this report and to the best of my knowledge, informa ements of the business affairs of the respondent and the financial form in all material respects to the Uniform System of Accounts.	tion, and belief all statements of fact o statements, and other financial inform	contained in this report are correct nation contained in this report,			
11	Name	12 Title				
	Brody J. Wilson	Vice President, Chief Accounting Off	ficer, Controller and Treasurer			
13	Signature		14 Date Signed (Mo, Day, Yr)			
	TS SI		April 28, 2023			
Title fals	9 18, U.S.C. 1001, makes it a crime for any person knowingly and e, fictitious or fraudulent statements as to any matter within its juri	willingly to make to any Agency or De sdiction.	I partment of the United States any			

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

	List of Schedules (Natural Gas Compa	any)		
Enter pages	in Column (d) the terms "none", "not applicable", or "NA" as appropriate, where no inform . . Omit pages where the responses are "none", "not applicable", or "NA".	ation or amounts	have been report	ed for certain
Line	Title of Schedule	Reference Page Number	Date Revised	Remarks
No.	(a)	(b)	(C)	(d)
INU.	(ª) GENERAL CORPORATE INFORMATION AND FINANCIAL STATEMENTS	(0)	(0)	(u)
1	General Information	101	г г	
2	Control Over Respondent	101		
2	Corporations Controlled by Respondent	102		
<u> </u>	Security Holders and Voting Powers	103		
4 5				
-	Important Changes During the Year	108	+ +	
6	Comparative Balance Sheet	110-113		
7	Statement of Income for the Year	114-116		
8	Statement of Accumulated Comprehensive Income and Hedging Activities	117		
9	Statement of Retained Earnings for the Year	118-119	├ ──── ├	
10	Statements of Cash Flows	120-121	├ ──── ├	
11	Notes to Financial Statements	122		
	BALANCE SHEET SUPPORTING SCHEDULES (Assets and Other Debits)	T	г г	
12	Summary of Utility Plant and Accumulated Provisions for Depreciation, Amortization, and Depletion	200-201		
13	Gas Plant in Service	204-209		
14	Gas Property and Capacity Leased from Others	212		
15	Gas Property and Capacity Leased to Others	213		NA
16	Gas Plant Held for Future Use	214		
17	Construction Work in Progress-Gas	216		
18	Non-Traditional Rate Treatment Afforded New Projects	217		NA
19	General Description of Construction Overhead Procedure	218		
20	Accumulated Provision for Depreciation of Gas Utility Plant	219		
21	Gas Stored	220		
22	Investments	222-223		
23	Investments in Subsidiary Companies	224-225		
24	Prepayments	230		
25	Extraordinary Property Losses	230		
26	Unrecovered Plant and Regulatory Study Costs	230		
27	Other Regulatory Assets	232		
28	Miscellaneous Deferred Debits	233		
29	Accumulated Deferred Income Taxes	234-235		
20	BALANCE SHEET SUPPORTING SCHEDULES (Liabilities and Other Credits)	1 201200	I	
30	Capital Stock	250-251	<u>т</u>	
31	Capital Stock Subscribed, Capital Stock Liability for Conversion, Premium on Capital Stock, and Installments Received on Capital Stock	252		
32	Other Paid-in Capital	253		
33	Discount on Capital Stock	254		NA
34	Capital Stock Expense	254		
35	Securities issued or Assumed and Securities Refunded or Retired During the Year	255		
36	Long-Term Debt	256-257	† †	
37	Unamortized Debt Expense, Premium, and Discount on Long-Term Debt	258-259	<u> </u>	

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🛛 A Resubmission		December 31, 2022

ages	in Column (d) the terms "none", "not applicable", or "NA" as appropriate, where no informa c. Omit pages where the responses are "none", "not applicable", or "NA".	Reference		
Line	Title of Schedule	Page Number	Date Revised	Remarks
No.	(a)	(b)	(c)	(d)
38	Unamortized Loss and Gain on Reacquired Debt	260		
39	Reconciliation of Reported Net Income with Taxable Income for Federal Income Taxes	261		
40	Taxes Accrued, Prepaid, and Charged During Year	262-263		
41	Miscellaneous Current and Accrued Liabilities	268		
42	Other Deferred Credits	269		
43	Accumulated Deferred Income Taxes-Other Property	274-275		NA
44	Accumulated Deferred Income Taxes-Other	276-277		
45	Other Regulatory Liabilities	278		
	INCOME ACCOUNT SUPPORTING SCHEDULES			
46	Monthly Quantity & Revenue Data by Rate Schedule	299		NA
47	Gas Operating Revenues	300-301		
48	Revenues from Transportation of Gas of Others Through Gathering Facilities	302-303		NA
49	Revenues from Transportation of Gas of Others Through Transmission Facilities	304-305		NA
50	Revenues from Storage Gas of Others	306		
51	Other Gas Revenues	308		
52	Discounted Rate Services and Negotiated Rate Services	313		NA
53	Gas Operation and Maintenance Expenses	317-325		
54	Exchange and Imbalance Transactions	328		NA
55	Gas Used in Utility Operations	331		
56	Transmission and Compression of Gas by Others	332		NA
57	Other Gas Supply Expenses	334		NA
58	Miscellaneous General Expenses-Gas	335		
59	Depreciation, Depletion, and Amortization of Gas Plant	336-338		
60	Particulars Concerning Certain Income Deduction and Interest Charges Accounts	340		
	COMMON SECTION	•		
61	Regulatory Commission Expenses	350-351		
62	Employee Pensions and Benefits (Account 926)	352		
63	Distribution of Salaries and Wages	354-355		
64	Charges for Outside Professional and Other Consultative Services	357		
65	Transactions with Associated (Affiliated) Companies	358		
	GAS PLANT STATISTICAL DATA	•		
66	Compressor Stations	508-509		
67	Gas Storage Projects	512-513		
68	Transmission Lines	514		
69	Transmission System Peak Deliveries	518		NA
70	Auxiliary Peaking Facilities	519		
71	Gas Account-Natural Gas	520		
72	Shipper Supplied Gas for the Current Quarter	521		NA
73	System Map	522		NA
74	Footnote Reference	551		NA
75	Footnote Text	552		NA
76	Stockholder's Reports (check appropriate box)	1		

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) D A Resubmission		December 31, 2022

		GENERAL INFORMATION			
	. Provide name and title of officer having custody of the general corporate books of account and address of office where the general corporate books are kept and address of office where any other corporate books of account are kept, if different from that where the general corporate books are kept.				
Brody J. Wilson		Vice President, Chief Accounting Officer, Controller and Treasurer			
250 S.W. Taylor Stre	et, Portland, O	regon 97204			
		the laws of which respondent is incorporated and date of incorporation. If incorporated under a special t incorporated, state that fact and give the type of organization and the date organized.			
State of Oregon		January 10, 1910			
3. If at any time during such receiver or truste by receiver or trustee	ee took possess	roperty of respondent was held by a receiver or trustee, give (a) name of receiver or trustee, (b) date sion, (c) the authority by which the receivership of trusteeship was created, and 9d) date when possession			
		NOT APPLICABLE			
4. State the classes of	of utility and oth	er services furnished by respondent during the year in each State in which the respondent operated.			
		GAS SERVICE IN OREGON AND WASHINGTON			
 Have you engaged previous year's certified 		I accountant to audit your financial statements an accountant who is not the principal accountant for your ements?			
Note: This is NA	as FERC Form	2 is filed only with state commissions and not FERC			
(1)		YesEnter the date when such independent account was initially engaged			
(2)	п	No			

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

Control Over Respondent 1. Report in column (a) the names of all corporations, partnerships, business trusts, and similar organizations that directly, indirectly, or jointly held control (see page 103 for definition of control) over the respondent at the end of the year. If control is in a holding company organization, report in a footnote the chain of organization. 2. If control is held by trustees, state in a footnote the names of trustees, the names of beneficiaries for whom the trust is maintained, and the purpose of the trust. 3. In column (b) designate type of control over the respondent. Report an "M" if the company is the main parent or controlling company having ultimate control over the respondent. Otherwise, report a "D" for direct, an "I" for indirect, or a "J" for joint control. Company Name Type of Control State of Incorporation Percent Voting Stock Owned Line No. (a) (b) (d) (c) 1 Northwest Natural Holding Company Μ Oregon 100% 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

CORPORATIONS CONTROLLED BY RESPONDENT

1. Report below the names of all corporations, business trusts, and similar organizations, controlled directly or indirectly by respondent at any time during the year. If control ceased prior to end of year, give particulars (details) in a footnote.

2. If control was by other means than a direct holding of voting rights, state in a footnote the manner in which control was held, naming any intermediaries involved.

3. If control was held jointly with one or more other interests, state the fact in a footnote and name the other interests.

4. In column (b) designate type of control of the respondent as "D" for direct, an "I" for indirect, or a "J" for joint control.

DEFINITIONS

1. See the Uniform System of Accounts for a definition of control.

2. Direct control is that which is exercised without interposition of an intermediary.

3. Indirect control is that which is exercised by the inter-position of an intermediary which exercises direct control.

4. Joint control is that in which neither interest can effectively control or direct action without the consent of the other, as where the voting control is equally divided between two holders, or each party holds a veto power over the other. Joint control may exist by mutual agreement or understanding between two or more parties who together have control within the meaning of the definition of control in the Uniform System of Accounts, regardless of the relative voting rights of each party.

Line No.	Name of Company Controlled	Type of Control	Kind of Business	Percent Voting Stock Owned	Footnote Ref.
	(a)	(b)	(c)		(d)
1	Northwest Energy Corporation	D	Intermediate Holding Company 100%		1
2	NWN Gas Reserves LLC	1	Gas Reserves	100%	2
3	NW Natural RNG Holding Company, LLC	D	Holding company	100%	3
4	Lexington Renewable Energy LLC	I/J	Renewable natural gas	See Footnote 4	4
5	Dakota City Renewable Energy LLC	I/J	Renewable natural gas	See Footnote 5	5
1	Northwest Energy Corporation, is a wholly-owned subsid	l liary, prima	I rily used as a holding company of	I NWN Gas Reserv	res. LLC.
2					joint
3	NW Natural RNG Holding Company, LLC, a wholly-owned subsidiary formed on November 4, 2020, is a holding company that was established to invest in the development and procurement of renewable natural gas.				ny that
4	Lexington Renewable Energy LLC, a partnership with BioCarbN, was formed in November 2020 to facilitate a renewable natural gas development project in Nebraska. NW Natural RNG Holding Company, LLC owns 100% of the Class A Membership Units in Lexington Renewable Energy LLC as of December 28, 2020 and BioCarbn Cross River Biogas Lexington LLC owns 100% of the Class A Membership Units.			DUnits in	
5	Dakota City Renewable Energy LLC, a partnership with I gas development project in Nebraska. NW Natural RNG Dakota City Renewable Energy LLC as of December 3, 2 Class B Membership Units.	Holding Co	ompany, LLC owns 100% of the Cl	ass A Membership	Units in

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

SECURITY HOLDERS AND VOTING POWERS

1. Give the names and addresses of the 10 security holders of the respondent who, at the date of the latest closing of the stock book or compilation of list of stockholders of the respondent, prior to the end of the year, had the highest voting powers in the respondent, and state the number of votes which each would have had the right to cast on that date if a meeting were then in order. If any such holder held in trust, give in a footnote the known particulars of the trust (whether voting trust, etc.), duration of trust, and principal holders of beneficiary interests in the trust. If the stock book was not closed or a list of stock-holders was not compiled within one year prior to the end of the year, or if since the previous compilation of a list of stockholders, some other class of security has become vested with voting rights, then show such 10 security holders as of the close of the year. Arrange the names of the security holders in the order of voting power, commencing with the highest. Show in column (a) the titles of officers and directors included in such list of 10 security holders.

2. If any security other than stock carries voting rights, explain in a supplemental statement the circumstances whereby such security became vested with voting rights and give other important particulars (details) concerning the voting rights of such security. State whether voting rights are actual or contingent; if contingent, describe the contingency.

3. If any class or issue of security has any special privileges in the election of directors, trustees or managers, or in the determination of corporate action by any method, explain briefly in a footnote.

4. Furnish details concerning any options, warrants, or rights outstanding at the end of the year for others to purchase securities of the respondent or any securities or other assets owed by the respondent, including prices, expiration dates, and other material information relating to exercise of the options, warrants, or rights. Specify the amount of such securities or assets so entitled to be purchased by any officer, director, associated company, or any of the ten largest security holders. This instruction is inapplicable to convertible securities or to any securities substantially all of which are outstanding in the hands of the general public where the options, warrants, or rights were issued on a prorata basis.

prior to end of year, and, in a footnote, state the purpose of such closing:		2. State the total number of votes cast at the latest general meeting prior to the end of year for election of directors of the respondent and number of such votes cast by proxy.		3. Give the date and place of such meeting:Date:5/23/2022Place:See Note (3)Location:See Note (3)	
		Total: See Note (2) By Proxy: See Note (2	2)		
		VOTING SECURITIES	5		
		4. Number of votes as	of (date):		
Line	Name (Title) and Address of Security Holder	Total Votes	Common Stock	Preferred Stock	Other
No.	(a)	(b)	(c)	(d)	(e)
5	TOTAL votes of all voting securities	100	100		
6	TOTAL number of security holders	1 ⁽¹⁾	1 ⁽¹⁾		
7	Special Privileges	See Note (4)	See Note (4)	Limited Voting Junior Preferred	
8					
9	See page 107 B				
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Note 1: Effective October 1, 2018, NW Natural completed a reorganization into a holding company structure, as approved by the OPUC in 2017 pursuant to Order 17-526 (Reorganization). To effect the Reorganization, NWN Merger Sub, Inc., a wholly owned subsidiary of Northwest Natural Holding Company (NW Holdings), was merged with and into NW Natural and each outstanding share of NW Natural common stock was converted into one share of NW Holdings common stock and NW Natural became a wholly owned subsidiary of NW Holdings.

Note 2. Effective October 1, 2018, NW Natural completed a reorganization into a holding company structure, as approved by the OPUC in 2017 pursuant to Order 17-526 (Reorganization). As a result of the Reorganization, there are only 100 shares of Common Stock entitled to cast votes at a general meeting for the election of directors, all of which are held by a single shareholder, Northwest Natural Holding Company.

Note 3: In 2022, the directors of NW Natural were elected by written consent of the sole shareholder of its Common Stock.

Note 4: In addition to the common stock, effective as of the Reorganization, NW Natural also has authorized, issued and outstanding, one share of Limited Voting Preferred Stock (Golden Share), \$1 par value, held by GSS Holdings (NWN), Inc. As specified in OPUC Order 17-526, NW Natural is not entitled to file a voluntary petition for bankruptcy unless approved by the holder of the Golden Share, which must be an independent party. Except as provided in NW Natural's Amended and Restated Articles of Incorporation or as otherwise provided by law, the holder of the Golden Share has no voting rights for any other purpose.

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) D A Resubmission		December 31, 2022

SECURITY HOLDERS AND VOTING POWERS (Continued)					
Line	Name and Address (1a)	Shares of Common Stock	Percentage of Stock Outstanding (Voting Control)		
No.	(a)	(b)	(c)		
1	NW Natural Holding Company	100	100.00%		
2	250 S.W. Taylor Street				
3	Portland, OR 97204				
4					
5	Officers	Stock Options for Officers as of 12/31/22	Stock Rights for Officers as of 12/31/22		
6	None				
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21	Directors		Stock Rights for Directors as of 12/31/22		
22	None				
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

IMPORTANT CHANGES DURING THE YEAR

Give details concerning the matters indicated below. Make the statements explicit and precise, and number them in accordance with the inquiries. Answer each inquiry. Enter "none" or "not applicable" where applicable. If the answer is given elsewhere in the report, refer to the schedule in which it appears.

1. Changes in and important additions to franchise rights: Describe the actual consideration and state from whom the franchise rights were acquired. If the franchise rights were acquired without the payment of consideration, state that fact.

2. Acquisition of ownership in other companies by reorganization, merger, or consolidation with other companies: Give names of companies involved, particulars concerning the transactions, name of the Commission authorizing the transaction, and reference to Commission authorization.

3. Purchase or sale of an operating unit or system: Briefly describe the property, and the related transactions, and cite Commission authorization, if any was required. Give date journal entries called for by Uniform Systems of Accounts were submitted to the Commission.

4. Important leaseholds (other than leaseholds for natural gas lands) that have been acquired or given, assigned or surrendered: Give effective dates, lengths of terms, names of parties, rents, and other conditions. State name of Commission authorizing lease and give reference to such authorization.

5. Important extension or reduction or transmission or distribution system: State territory added or relinquished and date operations began or ceased and cite Commission authorization, if any was required. State also the approximate number of customers added or lost and approximate annual revenues of each class of service.

Each natural gas company must also state major new continuing sources of gas made available to it from purchases, development, purchase contract or otherwise, giving location and approximate total gas volumes available, period of contracts, and other parties to any such arrangements, etc.

6. Obligations incurred or assumed by respondent as guarantor for the performance by another of any agreement or obligation, including ordinary commercial paper maturing on demand or not later than one year after date of obligation. Cite commission authorization if any was required.

7. Changes in articles of incorporation or amendments to charter: Explain the nature and purpose of such changes or amendments.

8. State the estimated annual effect and nature of any important wage scale changes during the year.

9. State briefly the status of any materially important legal proceedings pending at the end of the year, and the results of any such proceedings.

10. Describe briefly any materially important transactions of the respondent not disclosed elsewhere in this report in which an officer, director, security holder, voting trustee, associated company or know associate of any of these persons was a party or in which any such person had a material interest.

11. Estimated increase or decrease in annual revenues caused by important rate changes: State effective date and approximate amount of increase or decrease for each revenue classification. State the number of customers affected.

12. Describe fully any changes in officers, directors, major security holders and voting powers of the respondent that may have occurred during the reporting period.

13. In the event that the respondent participates in a cash management program(s) and its proprietary capital ratio is less than 30 percent please describe the significant events or transactions causing the proprietary capital ratio to be less than 30 percent, and the extent to which the respondent has amounts loaned or money advanced to its parent, subsidiary, or affiliated companies through a cash management program(s).Additionally, please describe plans, if any to regain at least a 30 percent proprietary ratio.

See Page 108 B

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2)		December 31, 2022

	IMPORTANT CHANGES DURING THE YEAR (Continued)
1.	None
2.	None
3.	None
4.	None
5.	None
6.	None
7.	 On February 24, 2022, the Board of Directors (the "Board") of Northwest Natural Gas Company ("NW Natural") approved the amendment and restatement of NW Natural's Amended and Restated Bylaws (the "Bylaws"). The amendments were made to Article II, Section 1 of the Bylaws to provide more flexibility in setting the date of an annual meeting of shareholders. On July 22, 2022, the Board of NW Natural approved further amendments to the Bylaws. In addition to certain ministerial changes, the amendments to the Bylaws generally included the following changes: Article II, Sections 1 and 2 of the Bylaws were amended to allow NW Holdings flexibility to hold its annual meeting or any special meeting in the City of Portland, or such other place as determined by the Board of Directors. Article II, Section 9 of the Bylaws was amended to clarify that a shareholder must be a shareholder of record to properly bring notice of business to be conducted at the meeting. Article II, Section 1 of the Bylaws was amended to include additional procedural and informational requirements for shareholders to nominate director candidates and incorporate provisions related to the Securities and Exchange Commission's (SEC)'s new universal proxy rules. Article VII, Section 1 of the Bylaws was amended to eliminate the requirement that the Board annually elect the President and Secretary, consistent with other officer appointments.
8.	Bargaining unit employee pay increase of 3.50% effective June 1, 2022 Non-bargaining unit employee annual salary increase of approximately 4.00% effective March 1, 2022.
9.	Reference 10k disclosure is made to NOTE 16 - Commitment and Contingencies and NOTE 17 - Environmental Matters of the Notes to the Financial Statements.
10.	None

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IMPORTANT CHANGES DURING THE YEAR (Continued)

11. Increase or decrease in annual revenues caused by important rate changes:

OREGON

The new rates for Oregon customers reflect the combined effects of the 2022-23 annual PGA, which was approved by the Public Utility Commission of Oregon in Order 22-421, and the Oregon general rate case approved by the OPUC on October 24, 2022 in Order No. 22-388. Rates impacted by the PGA and rate case went into effective November 1, 2022. The approval of the general rate case increased revenues of \$59.4 million to recover operation costs and system investments. With the PGA, the general rate case, and other associated regulatory filing approvals, the Company's annual revenues increased by \$142.6 million, or 20.2 percent for changes in rate base, purchased gas costs and temporary rate adjustments to amortize balances in deferred accounts. As a result of the Oregon Senate Bill 98, NW Natural's PGA filing included commodity costs for three Renewable Natural Gas (RNG) offtake agreements, with a net RNG commodity cost of \$6.5 million. As of June 30, 2022, 694,580 customers were affected.

OREGON RATE CASES

2022 General Rate Case

On December 17, 2021, NW Natural filed a request for a general rate increase with the Public Utility Commission of Oregon (OPUC). The filing includes a requested \$73.5 million annual revenue requirement increase based upon the following assumptions or requests:

Capital structure of 50% long-term debt and 50% equity;

Return on equity of 9.5%;
Cost of capital of 6.886%; and

Average rate base of \$1.73 billion.

On May 31, 2022, NW Natural and other parties to the Rate Case, filed a stipulation with the OPUC addressing a number of issues in the Rate Case as well as a second docket, which was consolidated with the Rate Case (Stipulation). The Stipulation provides for a total revenue requirement increase of \$62.65 million over revenues from existing rates, subject to adjustment for capital additions and revenues related to new customers added in the test year and completion of capital projects identified as being placed in service prior to the rate effective date. The revenue requirement is based on the following assumptions:

Capital structure of 50% common equity and 50% long-term debt;

Return on equity of 9.4%;
Cost of capital of 6.836%; and

• Average rate base of \$1.77 billion or an increase of \$337 million since the last rate case.

On June 29, 2022, NW Natural, and other parties to the Rate Case, filed a second stipulation with the OPUC addressing a number of issues in the Rate Case that were not addressed in the first Stipulation (Second Stipulation). The Second Stipulation addressed the following:

· Elimination of deposits for new residential customers;

· Updates to the Oregon low-income energy efficiency program; and

Recovery of the COVID-19 deferral over two years starting November 1, 2022.

On August 19, 2022, NW Natural and other parties to the Rate Case, filed a third stipulation with the OPUC addressing the amortization period, interest accrual rate, and certain proposed tax adjustments related to NW Natural's Lexington renewable natural gas (RNG) project (Third Stipulation and together with the First Stipulation and Second Stipulation, the Rate Case Stipulations).

On October 24, 2022, the OPUC issued an order approving the Rate Case Stipulations. The OPUC ordered a downward adjustment of \$356,106 related to certain costs included in the First Stipulation, and adjusted NW Natural's current line extension allowance methodology to a five times margin approach (which for an average residential customer is currently approximately \$2,300), declining to four times margin on November 1, 2023, and three times margin on November 1, 2024. The OPUC further ordered that the costs NW Natural sought to recover related to its Lexington RNG project were reasonable and prudently incurred under Senate Bill 98 and adopted an automatic adjustment clause that allows for NW Natural's RNG project costs to be added to rates annually on November 1, with a mechanism for NW Natural to defer the difference between forecasted and actual RNG costs, subject to an earnings test that includes deadbands at 50 basis points below and above NW Natural's authorized ROE.

WASHINGTON

The new rates for Washington customers reflect the combined effects of the annual Purchased Gas Adjustment (PGA) approved by Washington Utilities and Transportation Commission (WUTC) via no action in docket UG-220697 on October 28, 2022, and the Washington multi-year rate case approved by the WUTC on October 21, 2021 in Order 05 dockets UG-200994, UG-200995, UG-200996, and UG-210085. Rates impacted by the PGA and the second year of the general rate case went into effect November 1, 2022. The second year rate case revenue increases of \$3.0M. With the PGA, the second year of the general rate case, and other associated regulatory filing approvals, the Company's annual revenues increased by \$21.4 million, or 25.7 percent. As of June 30, 2022, 94,977 customers were affected.

12. Sandra McDonough was appointed to the Board of Directors of NW Natural effective January 1, 2022. Zachary Kravitz was appointed Vice President of Rates and Regulatory of NW Natural effective August 3, 2022.

13. Not Applicable because there is no cash management program. Blank Page

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	COMPARATIVE BALANCE SHEET (ASS	ETS AND O	THER DEBITS)	
Line	Title of Account	Reference Page Number	Current Year End of Quarter/Balance Year	Prior Year End Balance 12/31/2021
No.	(a) UTILITY PLANT	(b)	(c)	(d)
1		200.201	4 244 702 521	2 044 106 585
2 3	Utility Plant (101-106, 114) Construction Work in Progress (107)	200-201	4,244,703,531 79,534,553	3,944,106,585 125,976,868
4	TOTAL Utility Plant (Total of lines 2 and 3)	200-201	4,324,238,084	
4 5		200-201		4,070,083,453
6	(Less) Accum. Prov. for Depr. Amort. Depl. (108, 111, 115) Net Utility Plant (Total of line 4 less 5)	200-201	(1,616,323,721) 2,707,914,363	(1,567,128,082) 2,502,955,371
7	Nuclear Fuel (120.1-120.4, 120.6)		2,707,914,303	2,502,955,571
8	(Less) Accum. Prov. for Amort. of Nucl. Fuel Assemblies (120.5)			
9	Net Nuclear Fuel (Total of line 7 less 8)			
10	Net Utility Plant (Total of lines 6 and 9)		2,707,914,363	2,502,955,371
11	Utility Plant Adjustments (116)			
12	Gas Stored-Base Gas (117.1)	220	25,405,239	25,405,239
13	System Balancing Gas (117.2)	220		
14	Gas Stored in Reservoirs and Pipelines-Noncurrent (117.3)	220	_	
15	Gas Owned to System Gas (117.4)	220	_	
16	OTHER PROPERTY AND INVESTMENTS			
17	Nonutility Property (121)	204-209	76,973,405	74,302,804
18	(Less) Accum. Prov. for Depreciation and Amortization (122)	219	(23,191,399)	(22,242,662)
19	Investments in Associated Companies (123)	222-223		(22,212,002)
20	Investment in Subsidiary Companies (123.1)	224-225	75,448,106	75,042,560
21	(For Cost of Account 123.1, See Footnote Page 224, line 40)			
22	Noncurrent Portion of Allowances	_	_	_
23	Other Investments (124)	222-223	49,357,643	48,177,808
24	Sinking Funds (125)			
25	Depreciation Fund (126)	_	_	_
26	Amortization Fund - Federal (127)	_	_	_
27	Other Special Funds (128)	_	_	_
28	Long-Term Portion of Derivative Assets (175)	_	5,045,031	10,730,151
29	Long-Term Portion of Derivative Assets - Hedges (176)	_	_	
30	TOTAL Other Property and Investments (Total of lines 17-20, 22-29)	_	183,632,786	186,010,661
31	CURRENT AND ACCRUED ASSETS			· · ·
32	Cash (131)	_	498,524	460,276
33	Special Deposits (132-134)	_	11,016,914	8,874,679
34	Working Funds (135)	_	206,060	205,292
35	Temporary Cash Investments (136)	222-223	11,693,997	8,561,135
36	Notes Receivable (141)	_	_	
37	Customer Accounts Receivable (142)		133,335,910	91,268,528
38	Other Accounts Receivable (143)	_	28,841,511	6,692,473
39	(Less) Accum. Prov. for Uncollectible Accounts-Credit (144)		(3,079,165)	(1,961,739)
40	Notes Receivable from Associated Companies (145)	—		
41	Accounts Receivable from Associated Companies (146)	_	675,689	459,715
42	Fuel Stock (151)			
43	Fuel Stock Expense Undistributed (152)			

Name of Respondent	This Report is:	Date of Report	Year of Report
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	COMPARATIVE BALANCE SHEET (ASSETS AND OTHER DEBITS)				
Line	Title of Account	Reference Page Number	Current Year End of Quarter/Balance Year	Prior Year End Balance 12/31/2021	
No.	(a)	(b)	(c)	(d)	
44	Residuals (Elec) and Extracted Products (Gas) (153)	_	—	_	
45	Plant Material and Operating Supplies (154)	_	21,444,107	18,212,515	
46	Merchandise (155)	_	1,184,949	1,160,801	
47	Other Material and Supplies (156)	_			
48	Nuclear Materials Held for Sale (157)	_			
49	Allowances (158.1 and 158.2)	_	1,703,611		
50	(Less) Noncurrent Portion of Allowances	_			
51	Stores Expenses Undistributed (163)	_	—	_	
52	Gas Stored Underground - Current (164.1)	220	55,522,014	33,350,964	
53	Liq. Natural Gas Stored and Held for Processing (164.2-164.3)	220	6,351,845	4,027,804	
54	Prepayments (165)	230	38,731,984	28,435,108	
55	Advances for Gas (166-167)	_	_	_	
56	Interest and Dividends Receivable (171)	_	_	_	
57	Rents Receivable (172)	_	_	_	
58	Accrued Utility Revenues (173)	_	87,481,779	82,028,211	
59	Miscellaneous Current and Accrued Assets (174)	_	1,294,317	1,517,689	
60	Derivative Instrument Assets (175)	_	199,281,503	58,859,994	
61	(Less) Long-Term Portion of Derivative Instrument Assets (175)	_	(5,045,031)	(10,730,151)	
62	Derivative Instrument Assets - Hedges (176)	_	_	_	
63	(Less) Long-Term Portion of Derivative Instrument Assets - Hedges (176)	_	_	_	
64	TOTAL Current and Accrued Assets (Total of lines 32 thru 63)	_	591,140,518	331,423,294	
65	DEFERRED DEBITS				
66	Unamortized Debt Expense (181)	259	10,195,888	9,935,274	
67	Extraordinary Property Losses (182.1)	230	_		
68	Unrecovered Plant and Regulatory Study Costs (182.2)	230	_		
69	Other Regulatory Assets (182.3)	232	13,151,756	14,817,643	
70	Prelim. Survey and Investigation Charges (Electric) (183)	_			
71	Prelim. Survey and Invest. Charges (Gas) (183.1, 183.2)	_	3,983,935	5,028,209	
72	Clearing Accounts (184)	_	(440,861)	208,880	
73	Temporary Facilities (185)	_			
74	Miscellaneous Deferred Debits (186)	233	388,073,666	344,529,926	
75	Def. Losses from Disposition of Utility Plant (187)	_			
76	Research, Devel. and Demonstration Expend. (188)				
77	Unamortized Loss on Reacquired Debt (189)	260	785,540	1,019,600	
78	Accumulated Deferred Income Taxes (190)	234-235			
79	Unrecovered Purchased Gas Costs (191)	_	55,308,858	50,852,420	
80	Total Deferred Debits (Total of lines 66 thru 79)		471,058,782	426,391,952	
81	Total Assets and Other Debits (Total of lines 10-15, 30, 64, and 80)		3,979,151,688	3,472,186,517	

Name of Respondent	This Report is:	Date of Report	Year of Report
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	COMPARATIVE BALANCE SHEET (LIABILITIES AND OTHER CREDITS)				
Line	Title of Account	Reference Page Number	Current Year End of Quarter/Balance Year	Prior Year End Balance 12/31/2021	
No.	(a)	(b)	(c)	(d)	
1	PROPRIETARY CAPITAL				
2	Common Stock Issued (201)	250-251	228,868,408	228,868,408	
3	Preferred Stock Issued (204)	250-251	1	1	
4	Capital Stock Subscribed (202, 205)	252	_	—	
5	Stock Liability for Conversion (203, 206)	252	_	—	
6	Premium on Capital Stock (207)	252	_	—	
7	Other Paid-In Capital (208-211)	253	390,152,614	210,764,800	
8	Installments Received on Capital Stock (212)	252	_	—	
9	(Less) Discount on Capital Stock (213)	254	_	—	
10	(Less) Capital Stock Expense (214)	254	(4,118,163)	(4,118,163)	
11	Retained Earnings (215, 215.1, 216)	118-119	582,949,208	553,475,444	
12	Unappropriated Undistributed Subsidiary Earnings (216.1)	118-119	(469,612)	(1,834)	
13	(Less) Reacquired Capital Stock (217)	250-251	_	—	
14	Accumulated Other Comprehensive Income (219)	117	(6,414,192)	(11,403,966)	
15	TOTAL Proprietary Capital (Total of lines 2 thru 14)	—	1,190,968,264	977,584,690	
16	LONG-TERM DEBT				
17	Bonds (221)	256-257	1,134,700,000	994,700,000	
18	(Less) Reacquired Bonds (222)	256-257	—	—	
19	Advances from Associated Companies (223)	256-257	_	—	
20	Other Long-Term Debt (224)	256-257	_	—	
21	Unamortized Premium on Long-Term Debt (225)	258-259	_	—	
22	(Less) Unamortized Discount on Long-Term Debt-Dr. (226)	258-259	—	—	
23	(Less) Current Portion of Long-Term Debt	256	(90,000,000)	—	
24	TOTAL Long-Term Debt (Total of lines 17 thru 23)	256	1,044,700,000	994,700,000	
25	OTHER NONCURRENT LIABILITIES				
26	Obligations Under Capital Leases - Noncurrent (227)		78,345,319	79,431,045	
27	Accumulated Provision for Property Insurance (228.1)		24,000	24,000	
28	Accumulated Provision for Injuries and Damages (228.2)	—	91,525,367	90,534,983	
29	Accumulated Provision for Pensions and Benefits (228.3)	—	170,991,351	188,629,227	
30	Accumulated Miscellaneous Operating Provisions (228.4)		—	_	
31	Accumulated Provision for Rate Refunds (229)	—	_	_	

Name of Respondent	This Report is:	Date of Report	Year of Report
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	COMPARATIVE BALANCE SHEET (LIABILITIES AND OTHER CREDITS)				
Line	Title of Account	Reference Page Number	Current Year End of Quarter/Balance Year	Prior Year End Balance 12/31/2021	
No.	(a)	(b)	(c)	(d)	
32	Long-Term Portion of Derivative Instrument Liabilities	_	20,838,212	411,607	
33	Long-Term Portion of Derivative Instrument Liabilities - Hedges	_	_	_	
34	Asset Retirement Obligations (230)	_	_	_	
35	TOTAL Other Noncurrent Liabilities (Total of lines 26 thru 34)	_	361,724,249	359,030,862	
36	CURRENT AND ACCRUED LIABILITIES				
37	Current Portion of Long-term Debt	256	90,000,000	_	
38	Notes Payable (231)	_	170,200,000	245,500,000	
39	Accounts Payable (232)	_	175,976,383	129,883,021	
40	Notes Payable to Associated Companies (233)	_			
41	Accounts Payable to Associated Companies (234)	_	11,401,589	14,851,210	
42	Customer Deposits (235)	_	1,716,926	1,534,781	
43	Taxes Accrued (236)	262-263	24,296,330	16,209,078	
44	Interest Accrued (237)	_	8,900,441	7,296,114	
45	Dividends Declared (238)	_	_	_	
46	Matured Long-Term Debt (239)	_	_	_	
47	Matured Interest (240)	_	_	_	
48	Tax Collections Payable (241)	_	8,318,394	6,748,247	
49	Miscellaneous Current and Accrued Liabilities (242)	268	49,713,237	42,702,519	
50	Obligations Under Capital Leases-Current (243)	_	1,363,141	1,527,261	
51	Derivative Instrument Liabilities (244)	_	49,565,739	10,813,279	
52	(Less) Long-Term Portion of Derivative Instrument Liabilities		(20,838,212)	(411,607)	
53	Derivative Instrument Liabilities - Hedges (245)	_	_	_	
54	(Less) Long-Term Portion of Derivative Instrument Liabilities - Hedges		—	—	
55	TOTAL Current and Accrued Liabilities (Total of lines 37 thru 54)		570,613,968	476,653,903	
56	DEFERRED CREDITS				
57	Customer Advances for Construction (252)	_	10,142,617	8,157,679	
58	Accumulated Deferred Investment Tax Credits (255)	_	_	_	
59	Deferred Gains from Disposition of Utility Plant (256)	_	_	_	
60	Other Deferred Credits (253)	269	4,974,563	5,369,079	
61	Other Regulatory Liabilities (254)	278	416,494,376	297,339,912	
62	Unamortized Gain on Reacquired Debt (257)	260			
63	Accumulated Deferred Income Taxes - Accelerated Amortization (281)				
64	Accumulated Deferred Income Taxes - Other Property (282)				
65	Accumulated Deferred Income Taxes - Other (283)	276-277	379,533,651	353,350,392	
66	TOTAL Deferred Credits (Total of lines 57 thru 65)		811,145,207	664,217,062	
67	TOTAL Liabilities and Other Credits (Total of lines 15, 24, 35, 55 and 66)	_	3,979,151,688	3,472,186,517	

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATEMENT OF INCOME FOR THE YEAR

1. Report amounts for accounts 412 and 413, Revenue and Expenses from Utility Plant Leased to Others, in another utility column (i,j) in a similar manner to a utility department. Spread the amounts(s) over lines 2 thru 26 as appropriate. Include these amounts in columns (c) and (d) totals.

2. Report amounts in account 414, Other Utility Operating Income, in the same manner as accounts 412 and 413 above.

3. Report data for lines 8, 10, and 11 for Natural Gas companies using accounts 404.1, 404.2, 404.3, 407.1, and 407.2.

Line	Account	(Ref.) Page No.	Total Current Year (in dollars)	Total Previous Year (in dollars)	Current Three Months Ended Quarterly Only No Fourth Quarter	Prior Three Months Ended Quarterly Only No Fourth Quarter
No.	(a)	(b)	(c)	(d)	(e)	(f)
1	UTILITY OPERATING INCOME					
2	Gas Operating Revenues (400)	300-301	972,573,505	803,284,430		
3	Operating Expenses	—				
4	Operation Expenses (401)	320-325	611,333,024	473,374,878		
5	Maintenance Expenses (402)	320-325	21,817,559	20,910,258		
6	Depreciation Expense (403)	336-338	115,976,498	109,474,658		
7	Depreciation Expense for Asset Retirement Costs (403.1)	_				
8	Amort. & Depl. of Utility Plant (404-405)	336-338				
9	Amort. of Utility Plant Acu. Adjustment (406)	336-338				
10	Amort of Prop. Losses, Unrecovered Plant and Regulatory Study Costs (407.1)	_		_		
11	Amort. of Conversion Expenses (407.2)	—	_	_		
12	Regulatory Debits (407.3)	—	12,389,043	9,937,553		
13	(Less) Regulatory Credits (407.4)	—	_			
14	Taxes Other Than Income Taxes (408.1)	262-263	63,118,849	57,184,722		
15	Income Taxes - Federal (409.1)	262-263	4,984,646	4,947,527		
16	Income Taxes - Other (409.1)	262-263	6,137,011	6,243,522		
17	Provision for Deferred Income Taxes (410.1)	276-277	50,279,271	36,126,545		
18	(Less) Provision for Deferred Income Taxes-Cr. (411.1)	276-277	34,389,012	23,166,388		
19	Investment Tax Credit Adj Net (411.4)	—				
20	(Less) Gains from Disp. of Utility Plant (411.6)	—				
21	Losses from Disp. of Utility Plant (411.7)	—				
22	(Less) Gains from Disposition of Allowances (411.8)	—				
23	Losses from Disposition of Allowances (411.9)	—				
24	Accretion Expense (411.10)	—				
25	TOTAL Utility Operating Expenses (Total of lines 4 thru 24)	_	851,646,889	695,033,275		
26	Net Utility Operating income (Enter Total of line 2 less 25) (Carry forward to page 116, line 27)	_	120,926,616	108,251,155		

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATEMENT OF INCOME FOR THE YEAR

4. Explain in a footnote if the previous year's figures are different from that reported in prior reports.

5. If the columns are insufficient for reporting additional utility departments, supply the appropriate account titles, line 2 to 23 and report the information in the blank space on page 122 or in a supplemental statement.

Elec. Utility	Elec. Utility	Gas Utility	Gas Utility	Other Utility	Other Utility	
Total Current Year (in dollars)	Total Previous Year (in dollars)	Total Current Year (in dollars)	Total Previous Year (in dollars)	Total Current Year (in dollars)	Total Previous Year (in dollars)	Line
(g)	(h)	(i)	(j)	(k)	(I)	No.
						1
		972,573,505	803,284,430			2
						3
		611,333,024	473,374,878			4
		21,817,559	20,910,258			5
		115,976,498	109,474,658			6
		-	—			7
		_	—			8
			—			9
		_	_			10
		_	_			11
		12,389,043	9,937,553			12
		_	_			13
		63,118,849	57,184,722			14
		4,984,646	4,947,527			15
		6,137,011	6,243,522			16
		50,279,271	36,126,545			17
		34,389,012	23,166,388			18
		_	_			19
		_	_			20
		_	_			21
		_	_			22
			_			23
						24
		851,646,889	695,033,275			25
		120,926,616	108,251,155			26

Name of Respondent	This Report is:	Date of Report	Year of Report
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Northwest Natural Gas Company	(2)		December 31, 2022

	STATEMENT OF INCOME (Continued)						
	STATEMENT OF			i)			
Line	Title of Account	Ref. Page No.	Total Current Year To Date Balance for Quarter/Year	Total Prior Year To Date Balance for Quarter/Year	Current Three Months Ended Quarterly Only No Fourth Quarter	Prior Three Months Ended Quarterly Only No Fourth Quarter	
No.	(a)	(b)	(c)	(d)	(e)	(f)	
27	Net Utility Operating Income (Carried forward from page 114)	_	120,926,616	108,251,155			
28	Other Income and Deductions						
29	Other Income						
30	Nonutility Operating Income				_	_	
31	Revenues From Merch, Jobbing and Contract Work (415)	_	5,842,762	5,975,571			
32	(Less) Costs and Exp. of Merch, Job & Contract Work (416)	_	5,500,958	5,468,978			
33	Revenues From Nonutility Operations (417)		51,244,695	65,853,212			
34	(Less) Expenses of Nonutility Operations (417.1)		35,953,719	49,900,055			
35	Nonoperating Rental Income (418)		583,520	552,555			
36	Equity in Earnings of Subsidiary Companies (418.1)	119	(467,778)	(1,834)			
37	Interest and Dividend Income (419)		5,104,390	5,338,149			
38	Allow. for Other Funds Used During Constr (419.1)		1,939,313	_			
39	Miscellaneous Nonoperating Income (421)		404,049	265,123			
40	Gain on disposition of Property (421.1)		-	_			
41	TOTAL Other Income (Total of lines 31 thru 40)		23,196,274	22,613,743			
42	Other Income Deductions						
43	Loss on Disposition of Property (421.2)		_				
44	Miscellaneous Amortization (425)		_				
45	Donations (426.1)	340	899,740	1,652,924			
46	Life Insurance (426.2)	340	(1,248,738)	(1,547,475)			
47	Penalties (426.3)	340	(20,197)	22,601			
48	Expenditures for Certain Civic, Political and Related Activities (426.4)	340	1,528,492	1,196,496			
49	Other Deductions (426.5)	340	—	2,496			
50	TOTAL Other Income Deductions (Total of Lines 43 thru 49)	—	1,159,297	1,327,042			
51	Taxes Applic. to Other Income and Deductions				_	_	
52	Taxes Other Than Income Taxes (408.2)	262-263	721,016	704,134			
53	Income Taxes - Federal (409.2)	262-263	2,761,927	2,622,928			
54	Income Taxes - Other (409.2)	262-263	1,278,259	1,296,777			
55	Provision for Deferred Inc. Taxes (410.2)	272-277	196,699	405,597			
56	(Less) Provision for Deferred Inc. Taxes - Cr. (411.2)	272-277	4,828	11,542			
57	Investment Tax Credit Adj Net (411.5)	—	—				
58	(Less) Investment Tax Credits (420)	_					
59	TOTAL Taxes on Other Inc. and Ded. (Total of 52 thru 58)	_	4,953,073	5,017,894			
60	Net Other Income and Deductions (Total of Lines 41, 50, 59)	_	17,083,904	16,268,807			
61	Interest Charges						
62	Interest on Long-Term Debt (427)	256-257	44,048,390	40,618,719			
63	Amortization of Debt Disc. and Expense (428)	258-259	856,170	836,376			
64	Amortization of Loss on Reacquired Debt (428.1)	260	234,060	241,916			
65	(Less) Amort. of Premium on Debt - Credit (429)	256-257					
66	(Less) Amortization of Gain on Reacquired Debt - Credit (429.1)						
67	Interest on Debt to Assoc. Companies (430)	340					
68	Other Interest Expense (431)	340	4,074,032	1,904,449			
69	(Less) Allow. for Borrowed Funds Used During ConstCr. (432)	—	2,874,957	618,468			

Name of Respondent	This Report is:	Date of Report	Year of Report
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	STATEMENT OF INCOME (Continued)						
Line	Title of Account	Ref. Page No.	Total Current Year To Date Balance for Quarter/Year	Total Prior Year To Date Balance for Quarter/Year	Current Three Months Ended Quarterly Only No Fourth Quarter	Prior Three Months Ended Quarterly Only No Fourth Quarter	
No.	(a)	(b)	(c)	(d)	(e)	(f)	
70	Net Interest Charges (Total of lines 62 thru 69)	_	46,337,695	42,982,992			
71	Income Before Extraordinary Items (Total of lines 27, 60 and 70)		91,672,825	81,536,970			
72	Extraordinary Items						
73	Extraordinary Income (434)		_				
74	(Less) Extraordinary Deductions (435)	_	_	_			
75	Net Extraordinary Items (Total of line 73 less 74)	_	_	_			
76	Income Taxes - Federal and Other (409.3)	262-263	_	_			
77	Extraordinary Items After Taxes (Total of line 75 less line 76)						
78	Net Income (Total of lines 71 and 77)	_	91,672,825	81,536,970			

Note 1:

Accounting standards allow for the capitalization of all or part of an incurred cost that would otherwise be charged to expense if a regulator provides orders that create probable recovery of past costs through future revenues. NW Natural Gas Company accrues interest as specified by regulatory order on certain regulatory balances at our authorized rate of return (ROR). This ROR includes both a debt and equity component, which we are allowed to recover from customers in the form of a carrying cost on regulatory deferred account balances. The equity component of our ROR is not an incurred cost that would otherwise be charged to expense, and therefore is not capitalized and recognized as income for financial reporting purposes. This leads to a difference in reported Net Income between the FERC Form 2 and the Form 10-K filed with the Securities & Exchange Commission (SEC).

Name of Respondent	This Report is:	Date of Report	Year of Report
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STATEMENT OF ACCUMULATED COMPREHENSIVE INCOME AND HEDGING ACTIVITIES

1. Report the amounts of accumulated other comprehensive income items, on a net-of-tax basis, where appropriate.

2. Report the amounts of other categories of other cash flow hedges.

3. For each category of hedges that have been accounted for as "fair value hedges", report the accounts affected and the related amounts in a footnote.

Line	Item	Current Year Amount
No.	(a)	(b)
1	Beginning AOCI Balance	(11,403,966)
2	Unrealized Gains/losses on available-for-sale securities, net of tax	—
3	Pension liability adjustment, net of tax	4,195,188
4	Amortization of pension liabilities, net of tax	794,586
5	Foreign currency hedges, net of tax	—
6	Change in unrealized loss from hedging, net of tax	—
7	Cash flow hedges, net of tax	—
8	Other adjustments, net of tax	_
9	Ending Balance of AOCI	(6,414,192)

Name of Respondent	This Report is:	Date of Report	Year of Report
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	STATEMENT OF RETAINED EARNINGS FOR THE YEAR						
	 Report all changes in appropriated retained earnings, unappropriated retained earnings, and unappropriated undistributed subsidiary earnings for the year. 						
	2. Each credit and debit during the year should be identified as to the retained earnings account in which recorded (Accounts 433, 436-439 inclusive). Show the contra primary account affected in column (b).						
3. Sta	3. State the purpose and amount for each reservation or appropriation of retained earnings.						
	at first Account 439, Adjustments to Retained Earnings, reflecting adjustments to the oper , then debit items, in that order.	ning balance of reta	ained earnings.	Follow by			
5. Sh	ow dividends for each class and series of capital stock.						
		Contra Primary	Current Year	Previous Year			
Line	Item	Account Affected	Amount	Amount			
No.	(a)	(b)	(c)	(d)			
	UNAPPROPRIATED RETAINED EARNINGS						
1	Balance - Beginning of Year		553,475,444	527,993,220			
2	Changes (Identify by prescribed retained earnings accounts)						
3	Adjustments to Retained Earnings (Account 439)						
4							
5							
6	Balance Transferred from Income (Account 433 less Account 418.1)		92,140,603	81,538,804			
7	Appropriations of Retained Earnings (Account 436)						
8							
9	Dividends Declared - Preferred Stock (Account 437))						
10							
11	Dividends Declared - Common Stock (Account 438)			-			
12	Common Stock - Cash Dividends		(62,666,839)	(56,056,580)			
12.1	Common Stock - Stock Dividends						
12.2	TOTAL Dividends Declared - Common Stock (Account 438) (Total of lines 12.1 thru 12.2)		(62,666,839)	(56,056,580)			
13	Transfers from Acct. 216.1, Unappropriated Undistributed Subsidiary Earnings			—			
13.1	Other Changes (Explain)			—			
14	Balance - End of Year (Total of lines 1, 4, 5, 6, 8, 10, 12, and 13)		582,949,208	553,475,444			
15	APPROPRIATED RETAINED EARNINGS (Account 215)						
16	TOTAL Appropriated Retained Earnings (Account 215)			—			
17	APPROPRIATED RETAINED EARNINGS - AMORTIZATION RESERVE, FEDERAL (Account 215.1)						
18	TOTAL Appropriated Retained Earnings - Amortization Reserve,						
19	TOTAL Appropriated Retained Earnings (Accounts 215, 215.1)						
20	TOTAL Retained Earnings (Account 215, 215.1, 216)		582,949,208	553,475,444			
21	UNAPPROPRIATED UNDISTRIBUTED SUBSIDIARY EARNINGS (ACCOUNT 216.1)						
	Report only on an Annual Basis No Quarterly						
22	Balance - Beginning of Year (Debit or Credit)		(1,834)	_			
23	Equity in Earnings for Year (Credit) (Account 418.1) (see Note 1)		(467,778)	(1,834)			
24	(Less) Dividends Received (Debit)		_	_			
25	Other Changes (Explain)						
26	Balance - End of year (Total of lines 20 thru 23)		(469,612)	(1,834)			
27	Note 1: This represents the loss from NW Natural's investment in NW Natural RNG Ho	Iding Company 11					

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
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STATEMENT OF CASH FLOWS

1. Codes to be used: (a) Net Proceeds or Payments;(b) Bonds, debentures and other long-term debt;(c) Include commercial paper; (d) Identify separately such items as investments, fixed assets, intangibles,etc.

2. Information about noncash investing and financing activities should be provided on page 122. Provide also on page 122 a reconciliation between "Cash and Cash Equivalents at End of Year" with related amounts on the balance sheet.

3. Operating Activities-Other: Include gains and losses pertaining to operating activities only. Gains and losses pertaining to investing and financing activities should be reported in those activities. Show on page 122 the amounts of interest paid (net of amounts capitalized)and income taxes paid.

4. Investing Activities: Include at Other (line 25) net cash outflow to acquire other companies. Provide a reconciliation of assets acquired with liabilities assumed on page 122. Do not include on this statement the dollar amount of leases capitalized per the USofA General Instruction 20; instead provide a reconciliation of the dollar amount of leases capitalized with the plant cost.

	provide a reconcilitation of the dollar amount of reases capitalized with the plant cost.		
Line	DESCRIPTION (See Instructions for Explanation of Codes)	Current Year Amount	Previous Year Amount
No.	(a)	(b)	(C)
1	Net Cash Flow from Operating Activities:		
2	Net Income (Line 78(c) on page 116)	91,672,825	81,536,970
3	Noncash Charges (Credits) to Income:		
4	Depreciation and Depletion	117,019,884	110,503,851
5	Amortization of Debt	1,090,230	1,078,292
5.01	FAS 109 Deferred Taxes	(1,665,887)	
5.02	FAS 109 Regulatory Asset	1,665,887	2,286,144
6	Deferred Income Taxes (Net)	16,082,130	13,534,212
7	Investment Tax Credit Adjustments (Net)		
8	Net (Increase) Decrease in Receivables	(63,243,128)	(17,747,739)
9	Net (Increase) Decrease in Inventory	(25,059,800)	
10	Net (Increase) Decrease in Allowances Inventory	(20,000,000)	(12,002,102)
10	Net Increase (Decrease) in Payables and Accrued Expenses	68,598,048	10,956,494
12	Minimum Pension Liability Adjustment	6,786,394	2,037,763
12	Unrealized (gain)/loss from price risk management activities	(101,669,049)	
13		· · · · · · · · · · · · · · · · · · ·	
	(Less) Allowance for Other Funds Used During Construction	(4,814,270)	
15	(Less) Undistributed Earnings from Subsidiary Companies (See Note 1)	(7,457,143)	
16	Other: Net (Increase) Decrease in Unbilled Revenues	(5,453,568)	
16.01	Deferred Debits - Net	(58,601,818)	()
16.02	Net (Increase) Decrease in Other Current Assets & Liab.	(5,784,223)	
16.03	Other - Noncurrent Liab., Deferred Credits, & Other Invest.	71,079,702	16,379,800
17	Net Cash Provided by (Used in) Operating Activities		1
18	(Total of lines 2 thru 16.04)	100,246,214	132,120,533
19		_	
20	Cash Flows from Investment Activities:	_	
21	Construction and Acquisition of Plant (including land):		1
22	Gross Additions to Utility Plant (less nuclear fuel)	(285,312,190)	(268,133,042)
23	Gross Additions to Nuclear Fuel		_
24	Gross Additions to Common Utility Plant		_
25	Gross Additions to Nonutility Plant	(2,833,958)	(2,970,364)
26	(Less) Allowance for Other Funds Used During Construction	4,814,270	618,468
27	Other	870,117	999,204
28	Cash Outflows for Plant (Total of lines 22 thru 27)	(282,461,761)	(269,485,734)
29			
30	Acquisition of Other Noncurrent Assets (d)	_	_
31	Proceeds from Disposal of Noncurrent Assets (d)		310,432
32			· · · ·
33	Investments in & Advances to Assoc. & Sub. Companies	(5,391,315)	(8,959,277)
34	Contributions & Advances from Assoc. & Sub. Companies (See Note 1)	11,500,000	, , ,
35	Disposition of Investments in (and Advances to)		
36	Associated and Subsidiary Companies	_	_
37			
38	Purchase of Investment Securities (a)		
39	Proceeds from Sales of Investment Securities (a)	+	
29	r roceeus nom dales or mivesument decuntites (d)		<u> </u>

Name of Respondent	This Report is:	Date of Report	Year of Report
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Northwest Natural Gas Company	(2)		December 31, 2022

Line	DESCRIPTION (See Instructions for Explanation of Codes)	Current Year Amount	Previous Year Amount
No.	(a)	(b)	(c)
40	Loans Made or Purchased	_	_
41	Collections on Loans	_	
42			
43	Net (Increase) Decrease in Receivables		_
44	Net (Increase) Decrease in Inventory	-	_
45	Net (Increase) Decrease in Allowances Held for Speculation	-	_
46	Net Increase (Decrease) in Payables and Accrued Expenses	-	_
47		-	_
48	Net Cash Provided by (Used in) Investing Activities		
49	(Total of lines 28 thru 47)	(276,353,076)	(273,134,579
50			
51	Cash Flows from Financing Activities:		
52	Proceeds from Issuance of:		
53	Long-Term Debt (b)	140,000,000	130,000,000
54	Preferred Stock	-	_
55	Common Stock		_
56	Other: Capital Contribution from Parent	179,387,814	116,009,544
57	Net Increase in Short-Term Debt (c)	(75,300,000)	13,975,000
58			
59	Cash Provided by Outside Sources (Total of lines 53 thru 58)	244,087,814	259,984,544
60			
61	Payments for Retirement of:		
62	Long-Term Debt (b)	_	(60,000,000
63	Preferred Stock	_	_
64	Common Stock		_
65	Other: Capital Leases		_
66	Net Increase (Decrease) in Short-Term Debt (c)		_
67	Capital Stock Expense	-	_
68	Dividends on Preferred Stock	-	_
69	Dividends on Common Stock	(62,666,839)	(56,056,580
70	Net Cash Provided by (Used in) Financing Activities		
71	(Total of lines 59 thru 69)	181,420,975	143,927,964
72			
73	Net Increase (Decrease) in Cash and Cash Equivalents		
74	(Total of lines 18, 49, and 71)	5,314,113	2,913,918
75			
76	Cash and Cash Equivalents at Beginning of Period	18,101,382	15,187,464
77			
78	Cash and Cash Equivalents at End of Period	23,415,495	18,101,382

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

NOTES TO FINANCIAL STATEMENTS

1. Provide important disclosures regarding the Balance Sheet, Statement of Income for the Year, Statement of Retained Earnings for the Year, and Statement of Cash Flow, or any account thereof. Classify the disclosures according to each financial statement, providing a subheading for each statement except where a disclosure is applicable to more than one statement. The disclosures must be on the same subject matters and in the same level of detail that would be required if the respondent issued general purpose financial statements to the public or shareholders.

2. Furnish details as to any significant contingent assets or liabilities existing at year end, and briefly explain any action initiated by the Internal Revenue Service involving possible assessment of additional income taxes of material amount, or a claim for refund of income taxes of a material amount initiated by the utility. Also, briefly explain any dividends in arrears on cumulative preferred stock.

3. Furnish details on the respondent's pension plans, post-retirement benefits other than pensions (PBOP) plans, and post-employment benefit plans as required by instruction no. 1 and, in addition, disclose for each individual plan the current year's cash contributions. Furnish details on the accounting for the plans and any changes in the method of accounting for them. Include details on the accounting for transition obligations or assets, gains or losses, the amounts deferred and the expected recovery periods. Also, disclose any current year's plan or trust curtailments, terminations, transfers, or reversions of assets. Entities that participate in multiemployer postretirement benefit plans (e.g. parent company sponsored pension plans) disclose in addition to the required disclosures for the consolidated plan, (1) the amount of cost recognized in the respondent's financial statements for each plan for the period presented, and (2) the basis for determining the respondent's share of the total plan costs.

4. Furnish details on the respondent's asset retirement obligations (ARO) as required by instruction no. 1 and, in addition, disclose the amounts recovered through rates to settle such obligations. Identify any mechanism or account in which recovered funds are being placed (i.e. trust funds, insurance policies, surety bonds). Furnish details on the accounting for the asset retirement obligations and any changes in the measurement or method of accounting for the obligations. Include details on the accounting for settlement of the obligations and any gains or losses expected or incurred on the settlement.

5. Provide a list of all environmental credits received during the reporting period.

6. Provide a summary of revenues and expenses for each tracked cost and special surcharge.

7. Where Account 189, Unamortized Loss on Reacquired Debt, and 257, Unamortized Gain on Reacquired Debt, are not used, give an explanation, providing the rate treatment given these item. See General Instruction 17 of the Uniform System of Accounts.

8. Explain concisely any retained earnings restrictions and state the amount of retained earnings affected by such restrictions.

9. Disclose details on any significant financial changes during the reporting year to the respondent or the respondent's consolidated group that directly affect the respondent's gas pipeline operations, including: sales, transfers or mergers of affiliates, investments in new partnerships, sales of gas pipeline facilities or the sale of ownership interests in the gas pipeline to limited partnerships, investments in related industries (i.e., production, gathering), major pipeline investments, acquisitions by the parent corporation(s), and distributions of capital.

10. Explain concisely unsettled rate proceedings where a contingency exists such that the company may need to refund a material amount to the utility's customers or that the utility may receive a material refund with respect to power or gas purchases. State for each year affected the gross revenues or costs to which the contingency relates and the tax effects and explain the major factors that affect the rights of the utility to retain such revenues or to recover amounts paid with respect to power and gas purchases.

11. Explain concisely significant amounts of any refunds made or received during the year resulting from settlement of any rate proceeding affecting revenues received or costs incurred for power or gas purchases, and summarize the adjustments made to balance sheet, income, and expense accounts.

12. Explain concisely only those significant changes in accounting methods made during the year which had an effect on net income, including the basis of allocations and apportionments from those used in the preceding year. Also give the approximate dollar effect of such changes.

13. For the 3Q disclosures, respondent must provide in the notes sufficient disclosures so as to make the interim information not misleading. Disclosures which would substantially duplicate the disclosures contained in the most recent FERC Annual Report may be omitted.

14. For the 3Q disclosures, the disclosures shall be provided where events subsequent to the end of the most recent year have occurred which have a material effect on the respondent. Respondent must include in the notes significant changes since the most recently completed year in such items as: accounting principles and practices; estimates inherent in the preparation of the financial statements; status of long-term contracts; capitalization including significant new borrowings or modifications of existing financing agreements; and changes resulting from business combinations or dispositions. However where material contingencies exist, the disclosure of such matters shall be provided even though a significant change since year end may not have occurred.

15. Finally, if the notes to the financial statements relating to the respondent appearing in the annual report to the stockholders are applicable and furnish the data required by the above instructions, such notes may be included herein.

Note: The Notes to Consolidated Financial Statements included herein appear in the annual report to shareholders as filed with the Securities and Exchange Commission (SEC) on Form 10-K dated February 25, 2022. The annual report to shareholders is prepared on a combined-basis with NW Natural's parent company, Northwest Natural Holding Company (NW Holdings). As such, the Notes herein may contain information relating to NW Holdings or its other subsidiaries that are not relevant to this filing and may differ in presentation and classification, as appropriate, from FERC requirements.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

1. ORGANIZATION AND PRINCIPLES OF CONSOLIDATION

The accompanying consolidated financial statements represent the respective, consolidated financial results of NW Holdings and NW Natural and all respective companies that each registrant directly or indirectly controls, either through majority ownership or otherwise. This is a combined report of NW Holdings and NW Natural, which includes separate consolidated financial statements for each registrant.

NW Natural's regulated natural gas distribution activities are reported in the natural gas distribution (NGD) segment. The NGD segment is NW Natural's core operating business and serves residential, commercial, and industrial customers in Oregon and southwest Washington. The NGD segment is the only reportable segment for NW Holdings and NW Natural. All other activities, water and wastewater businesses, and other investments are aggregated and reported as other at their respective registrant.

NW Holdings and NW Natural consolidate all entities in which they have a controlling financial interest. Investments in corporate joint ventures and partnerships that NW Holdings does not directly or indirectly control, and for which it is not the primary beneficiary, include NNG Financial's investment in Kelso-Beaver Pipeline and NWN Water's investment in Avion Water Company, Inc., which are accounted for under the equity method. NW Natural RNG Holding Company, LLC holds an investment in Lexington Renewable Energy, LLC, which is also accounted for under the equity method. See Note 13 for activity related to equity method investments. NW Holdings and its direct and indirect subsidiaries are collectively referred to herein as NW Holdings, and NW Natural and its direct and indirect subsidiaries are collectively referred to herein as NW Natural. The consolidated financial statements of NW Holdings and NW Natural are presented after elimination of all intercompany balances and transactions.

In June 2018, NWN Gas Storage, a wholly-owned subsidiary of NW Natural at the time and now a wholly-owned subsidiary of NW Holdings, entered into a Purchase and Sale Agreement that provided for the sale of all of the membership interests in its wholly-owned subsidiary, Gill Ranch Storage, LLC (Gill Ranch). We concluded that the sale of Gill Ranch qualified as assets and liabilities held for sale and discontinued operations. As such, the results of Gill Ranch were presented as a discontinued operation for NW Holdings for all periods presented on the consolidated statements of comprehensive income and cash flows, and the assets and liabilities associated with Gill Ranch were classified as discontinued operations assets and liabilities on the NW Holdings consolidated balance sheet. The sale closed on December 4, 2020. See Note 18 for additional information.

Notes to the consolidated financial statements reflect the activity of continuing operations for both NW Holdings and NW Natural for all periods presented, unless otherwise noted. Certain reclassifications have been made to conform prior period information to the current presentation. The reclassifications did not have a material effect on our consolidated financial statements.

2. SIGNIFICANT ACCOUNTING POLICIES

Use of Estimates

The preparation of financial statements in conformity with generally accepted accounting principles in the United States of America (U.S. GAAP) requires management to make estimates and assumptions that affect reported amounts in the consolidated financial statements and accompanying notes. Actual amounts could differ from those estimates, and changes would most likely be reported in future periods. Management believes the estimates and assumptions used are reasonable.

Industry Regulation

NW Holdings' principal business is to operate as a holding company for NW Natural and its other subsidiaries. NW Natural's principal business is the distribution of natural gas, which is regulated by the OPUC and WUTC. NW Natural also has natural gas storage services, which are regulated by the FERC, and to a certain extent by the OPUC and WUTC. Additionally, certain of NW Holdings' subsidiaries own water businesses, which are regulated by the public utility commission in the state in which the water utility is located, which is currently Oregon, Washington, Idaho, Texas and Arizona. Wastewater businesses, to the extent they are regulated, are generally regulated by the public utility commissions in the state in which the wastewater utility is located, which is currently Texas and Arizona. Accounting records and practices of the regulated businesses conform to the requirements and uniform system of accounts prescribed by these regulatory authorities in accordance with U.S. GAAP. The businesses in which customer rates are regulated by the OPUC, WUTC, IPUC, PUTC, ACC and FERC have approved cost-based rates which are intended to allow such businesses to earn a reasonable return on invested capital.

In applying regulatory accounting principles, NW Holdings and NW Natural capitalize or defer certain costs and revenues as regulatory assets and liabilities pursuant to orders of the applicable state public utility commission, which provide for the recovery of revenues or expenses from, or refunds to, utility customers in future periods, including a return or a carrying charge in certain cases.

Amounts NW Natural deferred as regulatory assets and liabilities were as follows:

		Regulato	ory Assets		
In thousands		2022		2021	
NW Natural:					
Current:					
Unrealized loss on derivatives ⁽¹⁾	\$	28,728	\$	10,40	
Gas costs		61,223		35,64	
Environmental costs ⁽²⁾		7,392		6,69	
Decoupling ⁽³⁾		—		96	
Pension balancing ⁽⁴⁾		7,131		7,13	
Income taxes		2,208		2,56	
Other ⁽⁵⁾		10,809		8,98	
Total current	\$	117,491	\$	72,39	
Non-current:				,	
Unrealized loss on derivatives ⁽¹⁾	\$	20,838	\$	41	
Pension balancing ⁽⁴⁾	Ψ	32,997	Ψ	38,30	
Income taxes		10,943		12,60	
Pension and other postretirement benefit liabilities		101,413		116,44	
Environmental costs ⁽²⁾		101,413		94,63	
Gas costs		22,355		15,47	
Other ⁽⁵⁾		47,608		36,66	
Total non-current	\$	340,407	¢	314,53	
	<u>\$</u>	25	<u>⊅</u>	<u> </u>	
Other (NW Holdings)	<u>¢</u>		¢		
Total non-current -NW Holdings	<u>\$</u>	340,432	\$	314,57	
	_	Regulator	⁻y Lia	bilities	
In thousands		2022		2021	
NW Natural:					
Current:					
Gas costs	\$	4,121	\$	7	
Unrealized gain on derivatives ⁽¹⁾		194,236		48,13	
Decoupling ⁽³⁾		14,026		4,47	
Income taxes ⁽⁶⁾		7,166		8,19	
Asset optimization revenue sharing		26,368		45,12	
Other ⁽⁵⁾		2,636		6,29	
Total current - NW Natural	\$	248,553	\$	112,28	
Other (NW Holdings)	<u> </u>	29	. <u> </u>		
Total current - NW Holdings	\$	248,582	\$	112,28	
Non-current:	<u> </u>	210,002	: 🗕	112,20	
Gas costs	\$	12,644	\$	25	
Unrealized gain on derivatives ⁽¹⁾	Ψ	5,045	Ψ	10,73	
Decoupling ⁽³⁾		3,814		3,4	
Income taxes ⁽⁶⁾					
Accrued asset removal costs ⁽⁷⁾		174,212		181,40	
		467,742		445,95	
Asset optimization revenue sharing		8,401		1,8	
Other ⁽⁵⁾	*	16,741	. <u> </u>	13,79	
	\$	688,599	\$	657,35	
Total non-current - NW Natural	<u> </u>		- <u>-</u>		
Otar non-current - NW Natural Other (NW Holdings) Fotal non-current -NW Holdings	\$	979 689,578	\$	98 658,33	

⁽¹⁾ Unrealized gains or losses on derivatives are non-cash items and, therefore, do not earn a rate of return or a carrying charge. These amounts are recoverable through natural gas distribution rates as part of the annual Purchased Gas Adjustment (PGA) mechanism when realized at settlement.

⁽²⁾ Refer to the Environmental Cost Deferral and Recovery table in Note 17 for a description of environmental costs.

⁽³⁾ This deferral represents the margin adjustment resulting from differences between actual and expected volumes.

⁽⁴⁾ Refer to Note 10 for information regarding the deferral of pension expenses.

- ⁽⁵⁾ Balances consist of deferrals and amortizations under approved regulatory mechanisms and typically earn a rate of return or carrying charge.
- ⁽⁶⁾ This balance represents estimated amounts associated with the Tax Cuts and Jobs Act. See Note 11.
- ⁽⁷⁾ Estimated costs of removal on certain regulated properties are collected through rates. See "Accounting Policies—*Plant, Property, and Accrued Asset Removal Costs*" below.

The amortization period for NW Natural's regulatory assets and liabilities ranges from less than one year to an indeterminable period. Regulatory deferrals for gas costs payable are generally amortized over 12 months beginning each November 1 following the gas contract year during which the deferred gas costs are recorded. Similarly, most other regulatory deferred accounts are amortized over 12 months. However, certain regulatory account balances, such as income taxes, environmental costs, pension liabilities, and accrued asset removal costs, are large and tend to be amortized over longer periods once NW Natural has agreed upon an amortization period with the respective regulatory agency.

We believe all costs incurred and deferred at December 31, 2022 are prudent. All regulatory assets are reviewed annually for recoverability, or more often if circumstances warrant. If we should determine that all or a portion of these regulatory assets no longer meet the criteria for continued application of regulatory accounting, then NW Natural would be required to write-off the net unrecoverable balances in the period such determination is made.

Regulatory interest income of \$7.0 million and \$6.1 million and regulatory interest expense of \$2.0 million and \$1.3 million was recognized within other income (expense), net for the years ended December 31, 2022 and 2021, respectively.

Environmental Regulatory Accounting

See Note 17 for information about the SRRM and OPUC orders regarding implementation.

COVID-19 Impact

During 2020, our regulated utilities received approval in their respective jurisdictions to defer certain financial impacts associated with COVID-19 such as bad debt expense, financing costs to secure liquidity, lost revenues related to late fees and reconnection fees, and other COVID-19 related costs, net of offsetting direct expense reductions associated with COVID-19. As of December 31, 2022, we believe that approximately \$18.7 million of the financial effects related to COVID-19 are recoverable. As part of the 2022 Oregon general rate case, NW Natural received approval from the OPUC to recover the 2020 and 2021 COVID-19 deferral beginning November 1, 2022. Approximately \$10.9 million will be amortized over a two-year period and NW Natural may request recovery of the remaining amount in the third year. Included in the total balance is approximately \$3.4 million of forgone late fee revenue that will be recognized in future periods as billed. Beginning January 2023, NW Natural will no longer defer any COVID-19 related costs in Oregon. NW Natural expects to recover its COVID-19 deferrals in Washington in a future proceeding.

New Accounting Standards

NW Natural and NW Holdings consider the applicability and impact of all accounting standards updates (ASUs) issued by the Financial Accounting Standards Board (FASB). ASUs not listed below were assessed and determined to be either not applicable or are expected to have minimal impact on consolidated financial position or results of operations.

Recently Adopted Accounting Pronouncements

REFERENCE RATE REFORM. In March 2020, the FASB issued ASU 2020-04, "Reference Rate Reform (Topic 848): Facilitation of the Effects of Reference Rate Reform on Financial Reporting." The purpose of the amendment is to provide optional expedients and exceptions for applying generally accepted accounting principles (GAAP) to contracts, hedging relationships, and other transactions affected by reference rate reform if certain criteria are met. The amendments in this ASU apply only to contracts, hedging relationships, and other transactions that reference London Inter-Bank Offered Rate (LIBOR) or another reference rate expected to be discontinued because of reference rate reform.

In January 2021, the FASB issued ASU 2021-01, "Reference Rate Reform (Topic 848): Scope." The purpose of the amendment is to clarify guidance on reference rate reform activities, specifically related to accounting for derivative contracts and certain hedging relationships affected by changes in the interest rates used for discounting, margining, and contract price alignment (the "discounting transition"). The amendments in ASUs 2020-04 and 2021-01 are effective for all entities as of March 12, 2020 through December 31, 2022.

In December 2022, the FASB issued ASU 2022-06, "Reference Rate Reform (Topic 848): Deferral of the Sunset Date of Topic 848." The purpose of the amendment is to defer the sunset date of Topic 848 from December 31, 2022, to December 31, 2024, after which entities will no longer be permitted to apply the relief in Topic 848. The objective of the guidance in Topic 848 is to provide temporary relief during the transition period. The Board included a sunset provision within Topic 848 based on expectations of when the London Interbank Offered Rate (LIBOR) would cease being published. We do not expect the ASUs to materially affect the financial statements and disclosures of NW Holdings or NW Natural.

LEASES. In July 2021, the FASB issued ASU 2021-05, "Leases (Topic 842), Lessors - Certain Leases with Variable Lease Payments." The purpose of the amendment is to require lessors to account for certain lease transactions that contain variable lease payments as operating leases. The amendments in this ASU are intended to eliminate the recognition of any day-one loss

associated with certain sales-type and direct-financing lease transactions. The changes do not impact lessee accounting. The new guidance was effective on January 1, 2022 and adopted using a prospective approach. The adoption did not materially affect the financial statements and disclosures of NW Holdings or NW Natural.

Accounting Policies

The accounting policies discussed below apply to both NW Holdings and NW Natural.

Plant, Property, and Accrued Asset Removal Costs

Plant and property are stated at cost, including capitalized labor, materials, and overhead. In accordance with regulatory accounting standards, the cost of acquiring and constructing long-lived plant and property generally includes an allowance for funds used during construction (AFUDC) or capitalized interest. AFUDC represents the regulatory financing cost incurred when debt and equity funds are used for construction (see "*AFUDC*" below). When constructed assets are subject to market-based rates rather than cost-based rates, the financing costs incurred during construction are included in capitalized interest in accordance with U.S. GAAP, not as regulatory financing costs under AFUDC.

In accordance with long-standing regulatory treatment, our depreciation rates consist of three components: one based on the average service life of the asset, a second based on the estimated salvage value of the asset, and a third based on the asset's estimated cost of removal. We collect, through rates, the estimated cost of removal on certain regulated properties through depreciation expense, with a corresponding offset to accumulated depreciation. These removal costs are non-legal obligations as defined by regulatory accounting guidance. Therefore, we have included these costs as non-current regulatory liabilities rather than as accumulated depreciation on our consolidated balance sheets. In the rate setting process, the liability for removal costs is treated as a reduction to the net rate base on which the NGD business has the opportunity to earn its allowed rate of return.

The costs of NGD plant retired or otherwise disposed of are removed from NGD plant and charged to accumulated depreciation for recovery or refund through future rates. Gains from the sale of regulated assets are generally deferred and refunded to customers. For assets not related to NGD, we record a gain or loss upon the disposal of the property, and the gain or loss is recorded in operating income or loss in the consolidated statements of comprehensive income.

The provision for depreciation of NGD property, plant, and equipment is recorded under the group method on a straight-line basis with rates computed in accordance with depreciation studies approved by regulatory authorities. The weighted-average depreciation rate for NGD assets in service was approximately 3.0% for 2022, 2021 and 2020, reflecting the approximate weighted-average economic life of the property. This includes 2022 weighted-average depreciation rates for the following asset categories: 2.5% for transmission and distribution plant, 2.1% for gas storage facilities, 6.1% for general plant, and 6.7% for intangible and other fixed assets.

AFUDC. Certain additions to NGD plant include AFUDC, which represents the net cost of debt and equity funds used during construction. AFUDC is calculated using actual interest rates for debt and authorized rates for ROE, if applicable. If short-term debt balances are less than the total balance of construction work in progress, then a composite AFUDC rate is used to represent interest on all debt funds, shown as a reduction to interest charges, and on ROE funds, shown as other income. While cash is not immediately recognized from recording AFUDC, it is realized in future years through rate recovery resulting from the higher NGD cost of service. Our composite AFUDC rate was 2.8% in 2022, 0.7% in 2021, and 1.9% in 2020.

IMPAIRMENT OF LONG-LIVED ASSETS. We review the carrying value of long-lived assets whenever events or changes in circumstances indicate the carrying amount of the assets may not be recoverable. Factors that would necessitate an impairment assessment of long-lived assets include a significant adverse change in the extent or manner in which the asset is used, a significant adverse change in legal factors or business climate that could affect the value of the asset, or a significant decline in the observable market value or expected future cash flows of the asset, among others.

When such factors are present, we assess the recoverability by determining whether the carrying value of the asset will be recovered through expected future cash flows. An asset is determined to be impaired when the carrying value of the asset exceeds the expected undiscounted future cash flows from the use and eventual disposition of the asset. If an impairment is indicated, we record an impairment loss for the difference between the carrying value and the fair value of the long-lived assets. Fair value is estimated using appropriate valuation methodologies, which may include an estimate of discounted cash flows.

Cash and Cash Equivalents

For purposes of reporting cash flows, cash and cash equivalents include cash on hand plus highly liquid investment accounts with original maturity dates of three months or less. At December 31, 2022, NW Holdings had outstanding checks of \$5.8 million, substantially all of which is recorded at NW Natural, and at December 31, 2021, NW Holdings had no outstanding checks. These balances are included in accounts payable in the NW Holdings and NW Natural balance sheets.

Restricted cash is primarily comprised of funds from public purpose charges for programs that assist low-income customers with bill payments or energy efficiency. These balances are included in other current assets in the NW Holdings and NW Natural balance sheets. There were no transfers between restricted cash and cash and cash equivalents during the years ended December 31, 2022 and 2021. Prior period amounts have been reclassified to conform prior period information to the current presentation.

The following table provides a reconciliation of the cash, cash equivalents and restricted cash balances at NW Holdings as of December 31, 2022 and 2021:

	Decem	31,	
In thousands	2022		2021
Cash and cash equivalents	\$ 29,270	\$	18,559
Restricted cash included in other current assets	11,694		8,561
Cash, cash equivalents and restricted cash	\$ 40,964	\$	27,120

The following table provides a reconciliation of the cash, cash equivalents and restricted cash balances at NW Natural as of December 31, 2022 and 2021:

	Decem	31,	
In thousands	2022		2021
Cash and cash equivalents	\$ 12,977	\$	12,271
Restricted cash included in other current assets	11,694		8,561
Cash, cash equivalents and restricted cash	\$ 24,671	\$	20,832

Revenue Recognition and Accrued Unbilled Revenue

Revenues, derived primarily from the sale and transportation of natural gas, are recognized upon delivery of gas or water, or service to customers. Revenues include accruals for gas or water delivered but not yet billed to customers based on estimates of deliveries from meter reading dates to month end (accrued unbilled revenue). Accrued unbilled revenue is dependent upon a number of factors that require management's judgment, including total natural gas receipts and deliveries, customer use of natural gas or water by billing cycle, and weather factors. Accrued unbilled revenue is reversed the following month when actual billings occur. NW Holdings' accrued unbilled revenue at December 31, 2022 and 2021 was \$89.0 million and \$82.2 million, respectively, substantially all of which is accrued unbilled revenue at NW Natural.

Revenues not related to NGD are derived primarily from Interstate Storage Services, asset management activities at the Mist gas storage facility, and other investments and business activities. At the Mist underground storage facility, revenues are primarily firm service revenues in the form of fixed monthly reservation charges. In addition, we also have asset management service revenue from an independent energy marketing company that optimizes commodity, storage, and pipeline capacity release transactions. Under this agreement, guaranteed asset management revenue is recognized using a straight-line, pro-rata methodology over the term of each contract. Revenues earned above the guaranteed amount are recognized as they are earned.

Revenue Taxes

Revenue-based taxes are primarily franchise taxes, which are collected from customers and remitted to taxing authorities. Revenue taxes are included in operating expenses in the statements of comprehensive income for NW Holdings and NW Natural. Revenue taxes at NW Holdings were \$41.8 million, \$34.7 million, and \$30.3 million for 2022, 2021, and 2020, respectively.

Accounts Receivable and Allowance for Uncollectible Accounts

Accounts receivable consist primarily of amounts due for natural gas sales and transportation services to NGD customers, plus amounts due for gas storage services. NW Holdings and NW Natural establish allowances for uncollectible accounts (allowance) for trade receivables, including accrued unbilled revenue, based on the aging of receivables, collection experience of past due account balances including payment plans, and historical trends of write-offs as a percent of revenues. A specific allowance is established and recorded for large individual customer receivables when amounts are identified as unlikely to be partially or fully recovered. Inactive accounts are written-off against the allowance after they are 120 days past due or when deemed uncollectible. Differences between the estimated allowance and actual write-offs will occur based on a number of factors, including changes in economic conditions, customer creditworthiness, and natural gas prices. The allowance for uncollectible accounts is adjusted quarterly, as necessary, based on information currently available.

ALLOWANCE FOR TRADE RECEIVABLES. The payment term of our NGD receivables is generally 15 days. For these short-term receivables, it is not expected that forecasted economic conditions would significantly affect the loss estimates under stable economic conditions. For extreme situations like a financial crisis, natural disaster, and the economic slowdown caused by the COVID-19 pandemic, we enhanced our review and analysis.

For the 2022 residential and commercial uncollectible provision, we primarily followed our standard methodology, which includes assessing historical write-off trends and current information on delinquent accounts. Beginning October 1, 2022, new collection rules from the OPUC applied to residential and commercial customers. This included enhanced protections for low-income customers, a return to pre-pandemic time payment arrangements terms, revised disconnection rules during the heating season, and other items. As a result of these Oregon rule changes and our recent collection process experience, we augmented our

provision review in the third and fourth quarter for Oregon accounts in the following categories: closed or inactive accounts aged less than 120 days, accounts on payment plans, and all other open accounts not on payment plans. For industrial accounts, we continue to assess the provision on an account-by-account basis with specific reserves taken as necessary. NW Natural will continue to closely monitor and evaluate our accounts receivable and the provision for uncollectible accounts.

The following table presents the activity related to the NW Holdings provision for uncollectible accounts by pool, substantially all of which is related to NW Natural's accounts receivable:

	As of	December 31, 2021	Year ended Dece	· 31, 2022	As	of December 31, 2022	
In thousands	Begin	ning Balance	ision recorded, of adjustments	rec	Write-offs ognized, net of recoveries	E	Ending Balance
Allowance for uncollectible accounts:							
Residential	\$	1,460	\$ 1,974	\$	(1,062)	\$	2,372
Commercial		178	546		(324)		400
Industrial		67	186		(65)		188
Accrued unbilled and other		313	185		(162)		336
Total	\$	2,018	\$ 2,891	\$	(1,613)	\$	3,296

ALLOWANCE FOR NET INVESTMENTS IN SALES-TYPE LEASES. NW Natural currently holds two net investments in sales-type leases, with substantially all of the net investment balance related to the North Mist natural gas storage agreement with Portland General Electric (PGE) which is billed under an OPUC-approved rate schedule. See Note 7 for more information on the North Mist lease. Due to the nature of this service, PGE may recover the costs of the lease through general rate cases. Therefore, we expect the risk of loss due to the credit of this lessee to be remote. As such, no allowance for uncollectibility was recorded for our sales-type lease receivables. NW Natural will continue monitoring the credit health of the lessees and the overall economic environment, including the economic factors closely tied to the financial health of our current and future lessees.

Inventories

NGD gas inventories, which consist of natural gas in storage for NGD customers, are stated at the lower of weighted-average cost or net realizable value. The regulatory treatment of these inventories provides for cost recovery in customer rates. NGD gas inventories injected into storage are priced in inventory based on actual purchase costs, and those withdrawn from storage are charged to cost of gas during the period they are withdrawn at the weighted-average inventory cost.

Gas storage inventories mainly consist of natural gas received as fuel-in-kind from storage customers. Gas storage inventories are valued at the lower of average cost or net realizable value. Cushion gas is not included in inventory balances, is recorded at original cost, and is classified as a long-term plant asset.

Materials and supplies inventories consist of inventories both related to and unrelated to NGD and are stated at the lower of average cost or net realizable value.

NW Natural's NGD and gas storage inventories totaled \$61.9 million and \$37.4 million at December 31, 2022 and 2021, respectively. At December 31, 2022 and 2021, NW Holdings' materials and supplies inventories, which are comprised primarily of NW Natural's materials and supplies, totaled \$23.5 million and \$19.9 million, respectively.

During 2022 and 2021, NW Natural entered into certain agreements to purchase renewable thermal certificates (RTCs). RTCs are initially recorded at cost and subsequently assessed for impairment based on the lower-of-cost or market model. NW Natural's RTCs inventory totaled \$1.7 million at December 31, 2022, and all RTCs purchased during 2021 were retired or used on customers behalf prior to December 31, 2021.

Gas Reserves

Gas reserves are payments to acquire and produce natural gas reserves. Gas reserves are stated at cost, adjusted for regulatory amortization, with the associated deferred tax benefits recorded as liabilities on the balance sheet. The current portion is calculated based on expected gas deliveries within the next fiscal year. NW Natural recognizes regulatory amortization of this asset on a volumetric basis calculated using the estimated gas reserves and the estimated therms extracted and sold each month. The amortization of gas reserves is recorded to cost of gas along with gas production revenues and production costs. See Note 13.

Derivatives

NW Natural's derivatives are measured at fair value and recognized as either assets or liabilities on the balance sheet. Changes in the fair value of the derivatives are recognized in earnings unless specific regulatory or hedge accounting criteria are met. Accounting for derivatives and hedges provides an exception for contracts intended for normal purchases and normal sales for which physical delivery is probable. In addition, certain derivative contracts are approved by regulatory authorities for recovery or refund through customer rates. Accordingly, the changes in fair value of these approved contracts are deferred as regulatory

assets or liabilities pursuant to regulatory accounting principles. NW Natural's financial derivatives generally qualify for deferral under regulatory accounting. NW Natural's index-priced physical derivative contracts also qualify for regulatory deferral accounting treatment.

Derivative contracts entered into for NGD requirements after the annual PGA rate has been set and maturing during the PGA year are subject to the PGA incentive sharing mechanism. In Oregon, NW Natural participates in a PGA sharing mechanism under which it is required to select either an 80% or 90% deferral of higher or lower gas costs such that the impact on current earnings from the gas cost sharing is either 20% or 10% of gas cost differences compared to PGA prices, respectively. For each of the PGA years in Oregon beginning November 1, 2022, 2021, and 2020, NW Natural selected the 90% deferral of gas cost differences. In Washington, 100% of the differences between the PGA prices and actual gas costs are deferred. See Note 15.

NW Holdings and NW Natural have financial derivative policies that set forth guidelines for using selected derivative products to support prudent risk management strategies within designated parameters. NW Natural's objective for using derivatives is to decrease the volatility of gas prices and cash flows without speculative risk. The use of derivatives is permitted only after the risk exposures have been identified, are determined to exceed acceptable tolerance levels, and are determined necessary to support normal business activities. NW Natural does not enter into derivative instruments for trading purposes. All commodity and foreign exchange derivatives are currently held at NW Natural, and interest rate swaps are held at NW Holdings and NWN Water.

Fair Value

In accordance with fair value accounting, we use the following fair value hierarchy for determining inputs for our debt, pension plan assets, and derivative fair value measurements:

- Level 1: Valuation is based on quoted prices for identical instruments traded in active markets;
- Level 2: Valuation is based on quoted prices for similar instruments in active markets, quoted prices for identical or similar instruments in markets that are not active, and model-based valuation techniques for which all significant assumptions are observable in the market; and
- Level 3: Valuation is generated from model-based techniques that use significant assumptions not observable in the market. These unobservable assumptions reflect our own estimates of assumptions market participants would use in valuing the asset or liability.

In addition, the fair value for certain pension trust investments is determined using Net Asset Value per share (NAV) as a practical expedient, and therefore they are not classified within the fair value hierarchy. These investments primarily consist of institutional investment products.

When developing fair value measurements, it is our policy to use quoted market prices whenever available or to maximize the use of observable inputs and minimize the use of unobservable inputs when quoted market prices are not available. Fair values are primarily developed using industry-standard models that consider various inputs including: (a) quoted future prices for commodities; (b) forward currency prices; (c) time value; (d) volatility factors; (e) current market and contractual prices for underlying instruments; (f) market interest rates and yield curves; (g) credit spreads; and (h) other relevant economic measures. NW Natural considers liquid points for natural gas hedging to be those points for which there are regularly published prices in a nationally recognized publication or where the instruments are traded on an exchange.

Goodwill and Business Combinations

NW Holdings, through its wholly-owned subsidiary NWN Water and NWN Water's wholly-owned subsidiaries, has completed various acquisitions that resulted in the recognition of goodwill. Goodwill is measured as the excess of the acquisition-date fair value of the consideration transferred over the acquisition-date fair value of the net identifiable assets assumed. Adjustments are recorded during the measurement period to finalize the allocation of the purchase price. The carrying value of goodwill is reviewed annually during the fourth quarter, or whenever events or changes in circumstance indicate that such carrying values may not be recoverable. The goodwill assessment policy begins with a qualitative analysis in which events and circumstances are evaluated, including macroeconomic conditions, industry and market conditions, regulatory environments, and overall financial performance of the reporting unit. If the qualitative assessment indicates that the carrying value may be at risk of recoverability, a quantitative evaluation is performed to measure the carrying value of the goodwill against the fair value of the reporting unit. The reporting unit is determined primarily based on current operating segments and the level of review provided by the Chief Operating Decision Maker (CODM) and/or segment management on the operating segment's financial results. Reporting units are evaluated periodically for changes in the corporate environment.

As of December 31, 2022 and 2021, NW Holdings had goodwill of \$149.3 million and \$70.6 million, respectively. All of NW Holdings' goodwill was acquired through the business combinations completed by NWN Water and its wholly-owned subsidiaries. No impairment charges were recorded as a result of the fourth quarter goodwill impairment assessment.

Business combinations are accounted for using the acquisition method. The cost of an acquisition is measured as the aggregate of the consideration transferred, measured at fair value at the acquisition date, and the fair value of any non-controlling interest in the acquiree. Acquisition-related costs are expensed as incurred. When NW Natural acquires a business, it assesses the financial assets acquired and liabilities assumed for appropriate classification and designation in accordance with the contractual terms, economic circumstances and pertinent conditions as of the acquisition date. When there is substantial judgment or

uncertainty around the fair value of acquired assets, we may engage a third party expert to assist in determining the fair values of certain assets or liabilities.

Income Taxes

We account for income taxes under the asset and liability method, which requires the recognition of deferred tax assets and liabilities for the expected future tax consequences of events that have been included in the financial statements. Under this method, deferred tax assets and liabilities are determined on the basis of the differences between the financial statement and tax basis of assets and liabilities using enacted tax rates in effect for the year in which the differences are expected to reverse. The effect of a change in tax rates on deferred tax assets and liabilities is recognized in income in the enactment date period unless, for NW Natural, a regulatory order specifies deferral of the effect of the change in tax rates over a longer period of time.

For NW Natural, deferred income tax assets and liabilities are also recognized for temporary differences where the deferred income tax benefits or expenses have previously been flowed through in the ratemaking process of the NGD business. Regulatory tax assets and liabilities are recorded on these deferred tax assets and liabilities to the extent it is believed they will be recoverable from or refunded to customers in future rates.

Investment tax credits associated with rate regulated plant additions are deferred for financial statement purposes and amortized over the estimated useful lives of the related plant.

NW Holdings files consolidated or combined income tax returns that include NW Natural. Income tax expense is allocated on a separate company basis incorporating certain consolidated return considerations. Subsidiary income taxes payable or receivable are generally settled with NW Holdings, the common agent for income tax matters.

Interest and penalties related to unrecognized tax benefits, if any, are recognized within income tax expense and accrued interest and penalties are recognized within the related tax liability line in the consolidated balance sheets. No accrued interest or penalties for uncertain tax benefits have been recorded. See Note 11.

Environmental Contingencies

Loss contingencies are recorded as liabilities when it is probable a liability has been incurred and the amount of the loss is reasonably estimable in accordance with accounting standards for contingencies. Estimating probable losses requires an analysis of uncertainties that often depend upon judgments about potential actions by third parties. Accruals for loss contingencies are recorded based on an analysis of potential results.

With respect to environmental liabilities and related costs, estimates are developed based on a review of information available from numerous sources, including completed studies and site specific negotiations. NW Natural's policy is to accrue the full amount of such liability when information is sufficient to reasonably estimate the amount of probable liability. When information is not available to reasonably estimate the probable liability, or when only the range of probable liabilities can be estimated and no amount within the range is more likely than another, it is our policy to accrue at the low end of the range. Accordingly, due to numerous uncertainties surrounding the course of environmental remediation and the preliminary nature of several site investigations, in some cases, it may not be possible to reasonably estimate the high end of the range of possible loss. In those cases, the nature of the potential loss and the fact that the high end of the range cannot be reasonably estimated is disclosed. See Note 17.

Unconsolidated Affiliates

NW Holdings, NW Natural and NWN Water have equity interests in businesses which we account for under the equity method as we do not exercise control of the major operating and financial policies. The carrying value of these investments was \$23.4 million and \$14.5 million as of December 31, 2022 and 2021, respectively. The business transactions with our equity method investments are not significant. We regularly assesses the profitability and valuation of our investments for any potential impairment. See Note 13.

Cloud Computing Arrangements

Implementation costs associated with its cloud computing arrangements are capitalized consistent with costs capitalized for internal-use software. Capitalized implementation costs are included in other assets in the consolidated balance sheets. The implementation costs are amortized over the term of the related hosting agreement, including renewal periods that are reasonably certain to be exercised. Amortization expense of implementation costs are recorded as operations and maintenance expenses in the consolidated statements of comprehensive income. The implementation costs are included within operating activities in the consolidated statements of cash flows.

Subsequent Events

We monitor significant events occurring after the balance sheet date and prior to the issuance of the financial statements to determine the impacts, if any, of events on the financial statements to be issued.

3. EARNINGS PER SHARE

Basic earnings or loss per share are computed using NW Holdings' net income or loss and the weighted average number of common shares outstanding for each period presented. Diluted earnings per share are computed in the same manner, except using the weighted average number of common shares outstanding plus the effects of the assumed exercise of stock options and the payment of estimated stock awards from other stock-based compensation plans that are outstanding at the end of each period presented. Anti-dilutive stock awards are excluded from the calculation of diluted earnings or loss per common share.

NW Holdings' diluted earnings or loss per share are calculated as follows:

In thousands, except per share data	2022	2021	2020
Net income from continuing operations	\$ 86,303	\$ 78,666	\$ 70,273
Income from discontinued operations, net of tax	 —	 —	 6,508
Net income	\$ 86,303	\$ 78,666	\$ 76,781
Average common shares outstanding - basic	33,934	30,702	30,541
Additional shares for stock-based compensation plans (See Note 8)	50	50	58
Average common shares outstanding - diluted	 33,984	 30,752	 30,599
Earnings from continuing operations per share of common stock:			
Basic	\$ 2.54	\$ 2.56	\$ 2.30
Diluted	2.54	2.56	2.30
Earnings from discontinued operations per share of common stock:			
Basic	\$ _	\$ _	\$ 0.21
Diluted	_	—	0.21
Earnings per share of common stock:			
Basic	\$ 2.54	\$ 2.56	\$ 2.51
Diluted	2.54	2.56	2.51
Additional information:			
Anti-dilutive shares	2	7	1

4. SEGMENT INFORMATION

We primarily operate in one reportable business segment, which is NW Natural's local gas distribution business and is referred to as the NGD segment. NW Natural and NW Holdings also have investments and business activities not specifically related to the NGD segment, which are aggregated and reported as other and described below for each entity.

No individual customer accounts for over 10% of NW Holdings' or NW Natural's operating revenues.

Natural Gas Distribution

NW Natural's local gas distribution segment (NGD) is a regulated utility principally engaged in the purchase, sale, and delivery of natural gas and related services to customers in Oregon and southwest Washington. The NGD business is responsible for building and maintaining a safe and reliable pipeline distribution system, purchasing sufficient gas supplies from producers and marketers, contracting for firm and interruptible transportation of gas over interstate pipelines to bring gas from the supply basins into its service territory, and re-selling the gas to customers subject to rates, terms, and conditions approved by the OPUC or WUTC. NGD also includes taking customer-owned gas and transporting it from interstate pipeline connections, or city gates, to the customers' end-use facilities for a fee, which is approved by the OPUC or WUTC. Approximately 88% of NGD customers are located in Oregon and 12% in Washington. On an annual basis, residential and commercial customers typically account for around 60% of total NGD volumes delivered and around 90% of NGD margin. Industrial customers largely account for the remaining volumes and NGD margin. A small amount of the margin is also derived from miscellaneous services, gains or losses from an incentive gas cost sharing mechanism, and other service fees.

Industrial sectors served by the NGD business include: pulp, paper, and other forest products; the manufacture of electronic, electrochemical and electrometallurgical products; the processing of farm and food products; the production of various mineral products; metal fabrication and casting; the production of machine tools, machinery, and textiles; the manufacture of asphalt, concrete, and rubber; printing and publishing; nurseries; and government and educational institutions.

In addition to NW Natural's local gas distribution business, the NGD segment also includes the portion of the Mist underground storage facility used to serve NGD customers, the North Mist gas storage expansion in Oregon, NWN Gas Reserves, which is a wholly-owned subsidiary of Energy Corp, and NW Natural RNG Holding Company, LLC, a holding company established to invest in the development and procurement of regulated renewable natural gas for NW Natural.

NW Natural

NW Natural's activities in Other include Interstate Storage Services and third-party asset management services for the Mist facility in Oregon, appliance retail center operations, and corporate operating and non-operating revenues and expenses that cannot be allocated to NGD operations.

Earnings from Interstate Storage Services assets are primarily related to firm storage capacity revenues. Earnings from the Mist facility also include revenue, net of amounts shared with NGD customers, from management of NGD assets at Mist and upstream pipeline capacity when not needed to serve NGD customers. Under the Oregon sharing mechanism, NW Natural retains 80% of the pre-tax income from these services when the costs of the capacity were not included in NGD rates, or 10% of the pre-tax income when the costs have been included in these rates. The remaining 20% and 90%, respectively, are recorded to a deferred regulatory account for crediting back to NGD customers.

NW Holdings

NW Holdings' activities in Other include all remaining activities not associated with NW Natural, specifically NWN Water, which consolidates the water and wastewater utility operations and is pursuing other investments in the water and wastewater sector through itself and wholly-owned subsidiaries; NWN Water's equity investment in Avion Water Company, Inc.; NWN Gas Storage, a wholly-owned subsidiary of NWN Energy; NWN Energy's equity investment in Trail West Holdings, LLC (TWH) through August 6, 2020; other pipeline assets in NNG Financial; and NW Natural Renewables Holdings, LLC and its non-regulated renewable natural gas activities. For more information on the sale of TWH, see Note 13. Other also includes corporate revenues and expenses that cannot be allocated to other operations, including certain business development activities.

Segment Information Summary

Inter-segment transactions were immaterial for the periods presented. The following table presents summary financial information concerning the reportable segment and other for continuing operations. See Note 18 for information regarding discontinued operations for NW Holdings.

In thousands	NGD	(N)	Other W Natural)	NW Natural	(N)	Other N Holdings)	N	IW Holdings
2022	-		,					
Operating revenues	\$ 989,752	\$	24,587	\$ 1,014,339	\$	23,014	\$	1,037,353
Depreciation	111,871		1,086	112,957		3,750		116,707
Income (loss) from operations	152,839		16,535	169,374		(1,897)		167,477
Net income (loss) from continuing operations	79,690		11,874	91,564		(5,261)		86,303
Capital expenditures	315,979		2,707	318,686		19,916		338,602
Total assets at December 31, 2022	4,392,699		60,019	4,452,718		295,608		4,748,326
2021								
Operating revenues	\$ 816,887	\$	26,170	\$ 843,057	\$	17,343	\$	860,400
Depreciation	109,475		1,029	110,504		3,030		113,534
Income (loss) from operations	147,902		17,331	165,233		(2,116)		163,117
Net income (loss) from continuing operations	68,988		12,184	81,172		(2,506)		78,666
Capital expenditures	275,267		2,970	278,237		15,655		293,892
Total assets at December 31, 2021	3,846,112		52,260	3,898,372		166,232		4,064,604
2020								
Operating revenues	\$ 741,072	\$	17,676	\$ 758,748	\$	14,931	\$	773,679
Depreciation	100,591		995	101,586		2,097		103,683
Income (loss) from operations	137,724		9,916	147,640		711		148,351
Net income (loss) from continuing operations	63,555		7,008	70,563		(290)		70,273
Capital expenditures	263,777		2,271	266,048		6,968		273,016
Total assets at December 31, 2020	3,549,868		49,468	3,599,336		157,043		3,756,379

Natural Gas Distribution Margin

NGD margin is the primary financial measure used by the CODM, consisting of NGD operating revenues, reduced by the associated cost of gas, environmental remediation expense, and revenue taxes. The cost of gas purchased for NGD customers is generally a pass-through cost in the amount of revenues billed to regulated NGD customers. Environmental remediation expense represents collections received from customers through environmental recovery mechanisms in Oregon and Washington as well as adjustments for the Oregon environmental earnings test when applicable. This is offset by environmental remediation expense presented in operating expenses. Revenue taxes are collected from NGD customers and remitted to taxing authorities. The collections from customers are offset by the expense recognition of the obligation to the taxing authority. By subtracting cost of gas, environmental remediation expense, and revenue taxes from NGD operating revenues, NGD margin provides a key metric used by the CODM in assessing the performance of the NGD segment.

The following table presents additional segment information concerning NGD margin:

	-			
In thousands		2022	2021	2020
NGD margin calculation:				
NGD operating revenues	\$	970,124	\$ 797,800	\$ 721,950
Other regulated services		19,628	19,087	19,122
Total NGD operating revenues		989,752	 816,887	 741,072
Less: NGD cost of gas		429,861	292,538	262,980
Environmental remediation expense		12,389	9,938	9,691
Revenue taxes		41,627	34,600	30,291
NGD margin	\$	505,875	\$ 479,811	\$ 438,110

5. COMMON STOCK

As of December 31, 2022 and 2021, NW Holdings had 100 million shares of common stock authorized. As of December 31, 2022, NW Holdings had 319,777 shares reserved for issuance of common stock under the Employee Stock Purchase Plan (ESPP) and 394,102 shares reserved for issuance under the Dividend Reinvestment and Direct Stock Purchase Plan (DRPP). At NW Holdings' election, shares sold through the DRPP may be purchased in the open market or through original issuance of shares reserved for issuance under the DRPP.

In August 2021, NW Holdings initiated an at-the-market (ATM) equity program by entering into an equity distribution agreement under which NW Holdings may issue and sell from time to time shares of common stock, no par value, having an aggregate gross sales price of up to \$200 million. NW Holdings is under no obligation to offer and sell common stock under the ATM equity program, which expires in August 2024. Any shares of common stock offered under the ATM equity program are registered on NW Holdings' universal shelf registration statement filed with the SEC. During the year ended December 31, 2022, NW Holdings issued and sold 1,381,728 shares of common stock pursuant to the ATM equity program resulting in cash proceeds of \$69.7 million, net of fees and commissions paid to agents of \$1.4 million. As of December 31, 2022, NW Holdings had \$111.1 million of equity available for issuance under the program. The ATM equity program was initiated to raise funds for general corporate purposes, including equity contributions to NW Holdings' subsidiaries, NW Natural and NW Natural Water. Contributions to NW Natural and NW Natural Water will be used for general corporate purposes.

On April 1, 2022, NW Holdings issued and sold 2,875,000 shares of its common stock pursuant to a registration statement on Form S-3 and related prospectus settlement. NW Holdings received net offering proceeds, after deducting the underwriter's discounts and commissions and estimated expenses payable by NW Holdings, of approximately \$138.6 million. The proceeds are to be used for general corporate purposes, including repayment of its short-term indebtedness and/or making equity contributions to NW Holdings' subsidiaries, NW Natural, NW Natural Water and NW Natural Renewables. Contributions to NW Natural, NW Natural, NW Natural Renewables are to be used for general corporate purposes are to be used for general corporate purposes. Of the contributions received by NW Natural, \$130.0 million was used to repay its short-term indebtedness.

Stock Repurchase Program

NW Holdings has a share repurchase program under which it may purchase its common shares on the open market or through privately negotiated transactions. NW Holdings currently has Board authorization to repurchase up to an aggregate of the greater of 2.8 million shares or \$100 million. No shares of common stock were repurchased pursuant to this program during the year ended December 31, 2022. Since the plan's inception in 2000 under NW Natural, a total of 2.1 million shares have been repurchased at a total cost of \$83.3 million.

The following table summarizes the changes in the number of shares of NW Holdings' common stock issued and outstanding:

In thousands	Shares
Balance, December 31, 2019	30,472
Sales to employees under ESPP	3
Stock-based compensation	46
Sales to shareholders under DRPP	68
Balance, December 31, 2020	30,589
Sales to employees under ESPP	48
Stock-based compensation	49
Equity issuance	376
Sales to shareholders under DRPP	67
Balance, December 31, 2021	31,129
Sales to employees under ESPP	36
Stock-based compensation	42
Equity issuance	4,257
Sales to shareholders under DRPP	61
Balance, December 31, 2022	35,525

6. REVENUE

The following table presents disaggregated revenue from continuing operations:

				Year e	nde	d December 3 ⁻	1,202	22		
In thousands		Other NGD (NW Natural) NW Nat		NW Natural	Other (NW Holdings)			W Holdings		
Natural gas sales	\$	989,654	\$	—	\$	989,654	\$	—	\$	989,654
Gas storage revenue, net		_		11,792		11,792		—		11,792
Asset management revenue, net		_		6,965		6,965		_		6,965
Appliance retail center revenue		—		5,830		5,830		—		5,830
Other revenue		2,510		_		2,510		23,014		25,524
Revenue from contracts with customers	_	992,164		24,587		1,016,751		23,014		1,039,765
Alternative revenue		(19,605)		_		(19,605)		_		(19,605)
Leasing revenue		17,193		_		17,193		_		17,193
Total operating revenues	\$	989,752	\$	24,587	\$	1,014,339	\$	23,014	\$	1,037,353

			Year e	nded	December 3	1, 202	1		
In thousands	Other NGD (NW Natural)		NW Natural		Other (NW Holdings)		NV	V Holdings	
Natural gas sales	\$ 783,027	\$	_	\$	783,027	\$		\$	783,027
Gas storage revenue, net	—		10,830		10,830				10,830
Asset management revenue, net	—		9,387		9,387				9,387
Appliance retail center revenue	—		5,953		5,953				5,953
Other revenue	 1,615				1,615		17,343		18,958
Revenue from contracts with customers	 784,642		26,170		810,812		17,343		828,155
Alternative revenue	14,694				14,694				14,694
Leasing revenue	 17,551		_		17,551				17,551
Total operating revenues	\$ 816,887	\$	26,170	\$	843,057	\$	17,343	\$	860,400

			Year e	ndec	December 3	1, 20	20		
In thousands	Other NGD (NW Natural) NW Natural			(N	Other W Holdings)	NW Holding			
Natural gas sales	\$ 710,422	\$	_	\$	710,422	\$	_	\$	710,422
Gas storage revenue, net	—		9,759		9,759		—		9,759
Asset management revenue, net	—		2,532		2,532		—		2,532
Appliance retail center revenue	—		5,385		5,385		—		5,385
Other revenue	 1,337		_		1,337		14,931		16,268
Revenue from contracts with customers	711,759		17,676		729,435		14,931		744,366
Alternative revenue	10,870		—		10,870		—		10,870
Leasing revenue	18,443		—		18,443		—		18,443
Total operating revenues	\$ 741,072	\$	17,676	\$	758,748	\$	14,931	\$	773,679

NW Natural's revenue represents substantially all of NW Holdings' revenue and is recognized for both registrants when the obligation to customers is satisfied and in the amount expected to be received in exchange for transferring goods or providing services. Revenue from contracts with customers contains one performance obligation that is generally satisfied over time, using the output method based on time elapsed, due to the continuous nature of the service provided. The transaction price is determined by a set price agreed upon in the contract or dependent on regulatory tariffs. Customer accounts are settled on a monthly basis or paid at time of sale and based on historical experience. It is probable that we will collect substantially all of the consideration to which we are entitled. We evaluated the probability of collection in accordance with the current expected credit losses standard.

NW Holdings and NW Natural do not have any material contract assets, as net accounts receivable and accrued unbilled revenue balances are unconditional and only involve the passage of time until such balances are billed and collected. NW Holdings and NW Natural do not have any material contract liabilities.

Revenue taxes are included in operating revenues with an equal and offsetting expense recognized in operating expenses in the consolidated statements of comprehensive income. Revenue-based taxes are primarily franchise taxes, which are collected from NGD customers and remitted to taxing authorities.

Natural Gas Distribution

Natural Gas Sales

NW Natural's primary source of revenue is providing natural gas to customers in the NGD service territory, which includes residential, commercial, industrial and transportation customers. NGD revenue is generally recognized over time upon delivery of the gas commodity or service to the customer, and the amount of consideration received and recognized as revenue is dependent on the Oregon and Washington tariffs. Customer accounts are to be paid in full each month, and there is no right of return or warranty for services provided. Revenues include firm and interruptible sales and transportation services, franchise taxes recovered from the customer, late payment fees, service fees, and accruals for gas delivered but not yet billed (accrued unbilled revenue). The accrued unbilled revenue balance is based on estimates of deliveries during the period from the last meter reading and management judgment is required for a number of factors used in this calculation, including customer use and weather factors.

We applied the significant financing practical expedient and have not adjusted the consideration NW Natural expects to receive from NGD customers for the effects of a significant financing component as all payment arrangements are settled annually. Due to the election of the right to invoice practical expedient, we do not disclose the value of unsatisfied performance obligations.

Alternative Revenue

Weather normalization (WARM) and decoupling mechanisms are considered to be alternative revenue programs. Alternative revenue programs are considered to be contracts between NW Natural and its regulator and are excluded from revenue from contracts with customers.

Leasing Revenue

Leasing revenue primarily consists of revenues from NW Natural's North Mist Storage contract with Portland General Electric (PGE) in support of PGE's gas-fired electric power generation facilities under an initial 30-year contract with options to extend, totaling up to an additional 50 years upon mutual agreement of the parties. The facility is accounted for as a sales-type lease with regulatory accounting deferral treatment. The investment is included in rate base under an established cost-of-service tariff schedule, with revenues recognized according to the tariff schedule and as such, profit upon commencement was deferred and will be amortized over the lease term. Leasing revenue also contains rental revenue from small leases of property owned by NW Natural to third parties. The majority of these transactions are accounted for as operating leases and the revenue is recognized over the term of the lease agreement. Lease revenue is excluded from revenue from contracts with customers. See Note 7 for additional information.

NW Natural Other

Gas Storage Revenue

NW Natural's other revenue includes gas storage activity, which includes Interstate Storage Services used to store natural gas for customers. Gas storage revenue is generally recognized over time as the gas storage service is provided to the customer and the amount of consideration received and recognized as revenue is dependent on set rates defined per the storage agreements. Noncash consideration in the form of dekatherms of natural gas is received as consideration for providing gas injection services to gas storage customers. This noncash consideration is measured at fair value using the average spot rate. Customer accounts are generally paid in full each month, and there is no right of return or warranty for services provided. Revenues include firm and interruptible storage services, net of the profit sharing amount refunded to NGD customers.

Asset Management Revenue

Revenues include the optimization of storage assets and pipeline capacity and are provided net of the profit sharing amount refunded to NGD customers. Certain asset management revenues received are recognized over time using a straight-line approach over the term of each contract, and the amount of consideration received and recognized as revenue is dependent on a variable pricing model. Variable revenues earned above guaranteed amounts are estimated and recognized at the end of each period using the most likely amount approach. Additionally, other asset management revenues may be based on a fixed rate. Generally, asset management accounts are settled on a monthly basis.

As of December 31, 2022, unrecognized revenue for the fixed component of the transaction price related to gas storage and asset management revenue was approximately \$81.4 million. Of this amount, approximately \$20.3 million will be recognized in 2023, \$16.2 million in 2024, \$13.5 million in 2025, \$9.4 million in 2026, and \$22.0 million thereafter. The amounts presented here are calculated using current contracted rates.

Appliance Retail Center Revenue

NW Natural owns and operates an appliance store that is open to the public, where customers can purchase natural gas home appliances. Revenue from the sale of appliances is recognized at the point in time in which the appliance is transferred to the third party responsible for delivery and installation services and when the customer has legal title to the appliance. It is required that the sale be paid for in full prior to transfer of legal title. The amount of consideration received and recognized as revenue varies with changes in marketing incentives and discounts offered to customers.

NW Holdings Other

NW Holdings' primary source of other revenue is providing water and wastewater services to customers. Water and wastewater service revenue is generally recognized over time upon delivery of the water commodity or service to the customer, and the amount of consideration received and recognized as revenue is dependent on the tariffs established in the state we operate. Customer accounts are to be paid in full each month, and there is no right of return or warranty for services provided.

We applied the significant financing practical expedient and have not adjusted the consideration we expect to receive from water distribution and wastewater collection customers for the effects of a significant financing component as all payment arrangements are settled annually. Due to the election of the right to invoice practical expedient, we do not disclose the value of unsatisfied performance obligations.

7. LEASES

Lease Revenue

Leasing revenue primarily consists of NW Natural's North Mist natural gas storage agreement with PGE which is billed under an OPUC-approved rate schedule and includes an initial 30-year term beginning May 2019 with options to extend, totaling up to an additional 50 years upon mutual agreement of the parties. Under U.S. GAAP, this agreement is classified as a sales-type lease and qualifies for regulatory accounting deferral treatment. The investment in the storage facility is included in rate base under a separately established cost-of-service tariff, with revenues recognized according to the tariff schedule. As such, the selling profit that was calculated upon commencement as part of the sale-type lease recognition was deferred and will be amortized over the lease term. Billing rates under the cost-of-service tariff will be updated annually to reflect current information including depreciable asset levels, forecasted operating expenses, and the results of regulatory proceedings, as applicable, and revenue received under this agreement is recognized as operating revenue on the consolidated statements of comprehensive income. There are no variable payments or residual value guarantees. The lease does not contain an option to purchase the underlying assets.

NW Natural also maintains a sales-type lease for specialized compressor facilities to provide high pressure compressed natural gas (CNG) services. Lease payments are outlined in an OPUC-approved rate schedule over a 10-year term. There are no variable payments or residual value guarantees. The selling profit computed upon lease commencement was not significant.

Our lessor portfolio also contains small leases of property owned by NW Natural to third parties. These transactions are accounted for as operating leases and the revenue is recognized over the term of the lease agreement.

The components of lease revenue at NW Natural were as follows:

	 Ň	lear er	nded December 31	,	
In thousands	2022		2021		2020
Lease revenue					
Operating leases	\$ 74	\$	80	\$	88
Sales-type leases	17,119		17,471		18,355
Total lease revenue	\$ 17,193	\$	17,551	\$	18,443

Additionally, lease revenue of \$0.6 million, \$0.5 million and \$0.5 million was recognized for each of the years ended December 31, 2022, 2021, and 2020, respectively, related to operating leases associated with non-utility property rentals. Lease revenue related to these leases was presented in other income (expense), net on the consolidated statements of comprehensive income as it is non-operating income.

Total future minimum lease payments to be received under non-cancelable leases at December 31, 2022 are as follows:

In thousands	Operating	Sales-Type	Total
NW Natural:			
2023 \$	621	\$ 16,557	\$ 17,178
2024	612	15,867	16,479
2025	603	15,306	15,909
2026	36	14,901	14,937
2027	22	14,521	14,543
Thereafter	—	222,299	222,299
Total minimum lease payments \$	1,894	\$ 299,451	\$ 301,345
Less: imputed interest		165,272	
Total leases receivable		\$ 134,179	
Other NW Holdings:			-
2023 \$	51	\$ —	\$ 51
2024	52	—	52
2025	53	—	53
2026	56	—	56
2027	57	—	57
Thereafter	857	—	857
Total minimum lease payments	1,126	\$ —	\$ 1,126
NW Holdings:			
2023 \$	672	\$ 16,557	\$ 17,229
2024	664	15,867	16,531
2025	656	15,306	15,962
2026	92	14,901	14,993
2027	79	14,521	14,600
Thereafter	857	222,299	223,156
Total minimum lease payments	3,020	\$ 299,451	\$ 302,471
Less: imputed interest		165,272	
Total leases receivable		\$ 134,179	_

The total leases receivable above is reported under the NGD segment and the short- and long-term portions are included within other current assets and assets under sales-type leases on the consolidated balance sheets, respectively. The total amount of unguaranteed residual assets was \$5.1 million and \$4.7 million at December 31, 2022 and 2021, respectively, and is included in assets under sales-type leases on the consolidated balance sheets. Additionally, under regulatory accounting, the revenues and expenses associated with these agreements are presented on the consolidated statements of comprehensive income such that their presentation aligns with similar regulated activities at NW Natural.

Lease Expense

Operating Leases

We have operating leases for land, buildings and equipment. Our primary lease is for NW Natural's headquarters and operations center. Our leases have remaining lease terms of nine months to 17 years. Many of our lease agreements include options to

extend the lease, which we do not include in our minimum lease terms unless they are reasonably certain to be exercised. Short-term leases with a term of 12 months or less are not recorded on the balance sheet.

As most of our leases do not provide an implicit rate and are entered into by NW Natural, we use an estimated discount rate representing the rate we would have incurred to finance the funds necessary to purchase the leased asset and is based on information available at the lease commencement date in determining the present value of lease payments.

The components of lease expense, a portion of which is capitalized, were as follows:

	Year ended December 31, 2022					
In thousands		Other NW Natural (NW Holdings)				NW Holdings
Operating lease expense	\$	7,003	\$	31	\$	7,034
Short-term lease expense		880		—		880

	 Year ended December 31, 2021					
In thousands	Other NW Natural (NW Holdings) NW H					
Operating lease expense	\$ 6,859	\$	58	\$	6,917	
Short-term lease expense	1,220		_		1,220	

	 Year ended December 31, 2020					
In thousands	 Other NW Natural (NW Holdings) NW Holdir					
Operating lease expense	\$ 4,381	\$	125	\$	4,506	
Short-term lease expense	1,010				1,010	

Supplemental balance sheet information related to operating leases as of December 31, 2022 is as follows:

In thousands	NW Natural	Other (NW Holdings)	NW Holdings
Operating lease right of use assets	\$ 72,720	\$ 709	\$ 73,429
Operating lease liabilities - current liabilities	\$ 1,363	\$ 151	\$ 1,514
Operating lease liabilities - non-current liabilities	78,345	620	78,965
Total operating lease liabilities	\$ 79,708	\$ 771	\$ 80,479

Supplemental balance sheet information related to operating leases as of December 31, 2021 is as follows:

In thousands	,	NW Natural	NW Holdings		
Operating lease right of use assets	\$	74,987	\$ (NW Holdings) 62	\$	75,049
Operating lease liabilities - current liabilities	\$	1,273	\$ 23	\$	1,296
Operating lease liabilities - non-current liabilities		79,431	37		79,468
Total operating lease liabilities	\$	80,704	\$ 60	\$	80,764

The weighted-average remaining lease terms and weighted-average discount rates for the operating leases at NW Natural were as follows:

	2022	2021
Weighted-average remaining lease term (years)	17.2	18.2
Weighted-average discount rate	7.3 %	7.2 %

Headquarters and Operations Center Lease

NW Natural commenced a 20-year operating lease agreement in March 2020 for a new headquarters and operations center in Portland, Oregon. There is an option to extend the term of the lease for two additional periods of seven years. There is a material timing difference between the minimum lease payments and expense recognition as calculated under operating lease accounting rules. OPUC issued an order allowing us to align our expense recognition with cash payments for ratemaking purposes. We recorded the difference between the minimum lease payments and the aggregate of the imputed interest on the finance lease

obligation and amortization of the right-of-use asset as a regulatory asset on our balance sheet. The balance of the regulatory asset was \$6.9 million and \$5.7 million as of December 31, 2022 and 2021, respectively. Maturities of operating lease liabilities at December 31, 2022 were as follows:

In thousands	NW Natural	Other (NW Holdings)	NW Holdings
2023	\$ 7,169	\$ 195	\$ 7,364
2024	7,299	196	7,495
2025	7,185	184	7,369
2026	7,353	140	7,493
2027	7,530	107	7,637
Thereafter	108,901	12	108,913
Total lease payments	145,437	834	146,271
Less: imputed interest	65,729	63	65,792
Total lease obligations	79,708	771	80,479
Less: current obligations	1,363	151	1,514
Long-term lease obligations	\$ 78,345	\$ 620	\$ 78,965

As of December 31, 2022, there were no finance lease liabilities at NW Natural.

Cash Flow Information

Supplemental cash flow information related to leases was as follows:

	 Year	ended	December 31	, 202	22
In thousands	NW Natural	(NV	Other V Holdings)	NW Holdings	
Cash paid for amounts included in the measurement of lease liabilities					
Operating cash flows from operating leases	\$ 6,993	\$	64	\$	7,057
Finance cash flows from finance leases	524		—		524
Right of use assets obtained in exchange for lease obligations					
Operating leases	\$ 309	\$	668	\$	977
Finance leases	270		—		270
	 Year	ended I	December 31,	202	1
In thousands	NW Natural	(NV	Other V Holdings)		NW Holdings
Cash paid for amounts included in the measurement of lease liabilities					
Operating cash flows from operating leases	\$ 6,840	\$	58	\$	6,898
Finance cash flows from finance leases	801		—		801
Right of use assets obtained in exchange for lease obligations					
Operating leases	\$ 223	\$	_	\$	223
Finance leases	314		_		314
	Year	ended I	December 31,	202	0
In thousands	NW Natural	(NV	Other V Holdings)		NW Holdings
Cash paid for amounts included in the measurement of lease liabilities					
Operating cash flows from operating leases	\$ 4,466	\$	131	\$	4,597
Finance cash flows from finance leases	835		_		835
Right of use assets obtained in exchange for lease obligations					
Operating leases	\$ 78,539	\$	51	\$	78,590
Finance leases	1,386				1,386

Finance Leases

NW Natural also leases building storage spaces for use as a gas meter room in order to provide natural gas to multifamily or mixed use developments. These contracts are accounted for as finance leases and typically involve a one-time upfront payment with no remaining liability. The right of use asset for finance leases was \$2.3 million and \$2.1 million at December 31, 2022 and 2021, respectively.

8. STOCK-BASED COMPENSATION

Stock-based compensation plans are designed to promote stock ownership in NW Holdings by employees and officers of NW Holdings and its affiliates. These compensation plans include a Long Term Incentive Plan (LTIP) and an ESPP.

Long Term Incentive Plan

The LTIP is intended to provide a flexible, competitive compensation program for eligible officers and key employees. Under the LTIP, shares of NW Holdings common stock are authorized for equity incentive grants in the form of stock, restricted stock, restricted stock units, stock options, or performance shares. An aggregate of 1,100,000 shares were authorized for issuance as of December 31, 2022. Shares awarded under the LTIP may be purchased on the open market or issued as original shares.

Of the 1,100,000 shares of common stock authorized for LTIP awards at December 31, 2022, there were 247,666 shares available for issuance under any type of award. This assumes market, performance, and service-based grants currently outstanding are awarded at the target level. There were no outstanding grants of restricted stock or stock options under the LTIP at December 31, 2022 or 2021. The LTIP stock awards are compensatory awards for which compensation expense is based on the fair value of stock awards, with expense being recognized over the performance and vesting period of the outstanding awards. Forfeitures are recognized as they occur.

Performance Shares

LTIP performance shares incorporate a combination of market, performance, and service-based factors. The following table summarizes performance share expense information:

Dollars in thousands	Shares ⁽¹⁾	Exp Aw	ense During vard Year ⁽²⁾	Tot	al Expense for Award
Estimated award:					
2020-2022 grant ⁽³⁾	29,472	\$	888	\$	888
Actual award:					
2019-2021 grant	37,430	\$	1,323	\$	1,323
2018-2020 grant	31,600	\$	2,137	\$	2,137

⁽¹⁾ In addition to common stock shares, a participant also receives a dividend equivalent cash payment equal to the number of shares of common stock received on the award payout multiplied by the aggregate cash dividends paid per share during the performance period.

(2) Amount represents the expense recognized in the third year of the vesting period noted above. For the 2019-2021 and 2020-2022 grants, mutual understanding of the award's key terms was established in the third year of the vesting period, triggering full expense recognition in 2021 and 2022, respectively.

⁽³⁾ This represents the estimated number of shares to be awarded as of December 31, 2022 as certain performance share measures have been achieved. Amounts are subject to change with final payout amounts authorized by the Board of Directors in February 2023.

The aggregate number of performance shares granted and outstanding at the target and maximum levels were as follows:

Dollars in thousands	Performance Share Awards Outstanding			2022
Performance Period	Target	Maximum		Expense
2020-22	31,160	62,320	\$	888
2021-23		_		_
2022-24	_	_		
Total	31,160	62,320	\$	888

Performance share awards are based on the achievement of a three-year ROIC threshold that must be met and a cumulative EPS factor, which can be modified by a TSR factor relative to the performance of the Russell 2500 Utilities Index (2020-2022 performance share awards) or a specified peer group (2021-2023 and 2022-2024 performance share awards) over the three-year performance period. The performance period allows for one of the performance factors to remain variable until the first quarter of the third year of the award period. As the performance factor will not be approved until the first quarter of 2023 and 2024, there is not a mutual understanding of the awards' key terms and conditions between NW Natural and the participants as of December 31, 2022, and therefore, no expense was recognized for the 2021-2023 and 2022-2024 performance period. NW Natural will calculate the grant date fair value and recognize expense once the final performance factor has been approved. If the target is achieved for the 2021-2023 and 2022-2024 awards, NW Holdings would grant for accounting purposes 55,250 and 55,870 shares in the first quarter of 2023 and 2024, respectively.

Compensation expense is recognized in accordance with accounting standards for stock-based compensation and calculated based on performance levels achieved and an estimated fair value using the Monte-Carlo method. Due to there not being a mutual understanding of the 2021-2023 and 2022-2024 awards' key terms and conditions as noted above, the grant date fair value has not yet been determined and no non-vested shares existed at December 31, 2022. The weighted-average grant date fair value of non-vested shares associated with the 2020-2022 awards was \$38.63 per share at December 31, 2022. The

weighted-average grant date fair value of shares vested during the year was \$38.63 per share and there were no performance shares granted during the year and no unrecognized compensation expense for accounting purposes as of December 31, 2022.

Restricted Stock Units

In 2012, RSUs began being granted under the LTIP instead of stock options under the Restated SOP. Generally, the RSUs awarded are forfeitable and include a performance-based threshold as well as a vesting period of four years from the grant date. The majority of our RSU grants obligate NW Holdings, upon vesting, to issue the RSU holder one share of common stock. The grant may also include a cash payment equal to the total amount of dividends paid per share between the grant date and vesting date of that portion of the RSU depending on the structure of the award agreement. The fair value of an RSU is equal to the closing market price of NW Holdings' common stock on the grant date. During 2022, total RSU expense was \$2.1 million compared to \$2.0 million in 2021 and \$2.0 million in 2020. As of December 31, 2022, there was \$3.5 million of unrecognized compensation cost from grants of RSUs, which is expected to be recognized over a period extending through 2026.

Information regarding the RSU activity is summarized as follows:

	Number of RSUs	Weighted - Average Price Per RSU
Nonvested, December 31, 2019	79,733	\$ 61.17
Granted	33,594	55.58
Vested	(29,273)	59.29
Forfeited	(1,590)	69.71
Nonvested, December 31, 2020	82,464	59.40
Granted	38,160	49.16
Vested	(31,733)	60.06
Forfeited	(1,164)	46.82
Nonvested, December 31, 2021	87,727	54.87
Granted	48,212	46.50
Vested	(33,054)	55.90
Forfeited	(3,037)	56.34
Nonvested, December 31, 2022	99,848	\$ 50.44

Employee Stock Purchase Plan

NW Holdings' ESPP allows employees of NW Holdings, NW Natural and certain designated subsidiaries to purchase common stock at 85% of the closing price on the trading day immediately preceding the initial offering date, which is set annually. For the 2022-2023 ESPP period, each eligible employee may purchase up to \$21,223 worth of stock through payroll deductions over a period defined by the Board of Directors, with shares issued at the end of the subscription period.

Stock-Based Compensation Expense

Stock-based compensation expense is recognized as operations and maintenance expense or is capitalized as part of construction overhead at the entity at which the award recipient is employed. The following table summarizes the NW Holdings' financial statement impact, substantially all of which was recorded at NW Natural, of stock-based compensation under the LTIP and ESPP:

In thousands	2022	2021	2020
Operations and maintenance expense, for stock-based compensation	\$ 2,877	\$ 3,272	\$ 3,525
Income tax benefit	 (762)	(866)	 (933)
Net stock-based compensation effect on net income	2,115	2,406	 2,592
Amounts capitalized for stock-based compensation	\$ 351	\$ 344	\$ 841

Short-Term Debt

The primary source of short-term liquidity for NW Holdings is cash balances, dividends from its operating subsidiaries, in particular NW Natural, available cash from a multi-year credit facility, and short-term credit facilities it may enter into from time to time.

The primary source of short-term liquidity for NW Natural is from the sale of commercial paper, available cash from a multi-year credit facility, and short-term credit facilities it may enter into from time to time. In addition to issuing commercial paper or entering into bank loans to meet working capital requirements, including seasonal requirements to finance gas purchases and accounts receivable, short-term debt may also be used to temporarily fund capital requirements. For NW Natural, commercial paper and bank loans are periodically refinanced through the sale of long-term debt or equity contributions from NW Holdings. Commercial paper, when outstanding, is sold through two commercial banks under an issuing and paying agency agreement and is supported by one or more unsecured revolving credit facilities. See "Credit Agreements" below.

At December 31, 2022 and 2021, NW Natural's short-term debt consisted of the following:

	r 31, 2022		December 31, 2021				
Balance Outstanding	Weighted Average Interest Rate ⁽¹⁾		Balance Outstanding	Weighted Average Interest Rate ⁽¹⁾			
\$ 170.2	4.6 %	\$	245.5	0.3 %			
88.0	5.3 %		144.0	1.1 %			
\$ 258.2		\$	389.5				
\$	Outstanding \$ 170.2 	Outstanding Interest Rate ^{(1)*} \$ 170.2 4.6 % 88.0 5.3 %	Outstanding Interest Rate ^{(1)**} \$ 170.2 4.6 % \$ 88.0 5.3 %	Outstanding Interest Rate ^{(1)*} Outstanding \$ 170.2 4.6 % \$ 245.5 88.0 5.3 % 144.0			

⁽¹⁾ Weighted average interest rate on outstanding short-term debt

The carrying cost of commercial paper approximates fair value using Level 2 inputs. See Note 2 for a description of the fair value hierarchy. At December 31, 2022, NW Natural's commercial paper had a maximum remaining maturity of 6 days and an average remaining maturity of 5 days.

Credit Agreements

NW Holdings

In November 2021, NW Holdings entered into an amended and restated \$200.0 million credit agreement, with a feature that allows NW Holdings to request increases in the total commitment amount, up to a maximum of \$300.0 million. The maturity date of the agreement is November 3, 2026, with an available extension of commitments for two additional one-year periods, subject to lender approval. Interest charges on the NW Holdings credit agreement were indexed to the London Interbank Offered Rate (LIBOR) through January 31, 2023. The agreement was amended to replace LIBOR with the secured overnight financing rate (SOFR) beginning February 2023. The SOFR is subject to a 10 basis point spread adjustment.

The NW Holdings credit agreement permits the issuance of letters of credit in an aggregate amount of up to \$40.0 million. The principal amount of borrowings under the credit agreement is due and payable on the maturity date. The credit agreement requires NW Holdings to maintain a consolidated indebtedness to total capitalization ratio of 70% or less. Failure to comply with this covenant would entitle the lenders to terminate their lending commitments and accelerate the maturity of all amounts outstanding. NW Holdings was in compliance with this covenant at December 31, 2022 and 2021.

The NW Holdings credit agreement also requires NW Holdings to maintain debt ratings (which are defined by a formula using NW Natural's credit ratings in the event NW Holdings does not have a credit rating) with Standard & Poor's (S&P) and Moody's Investors Service, Inc. (Moody's) and notify the lenders of any change in its senior unsecured debt ratings or senior secured debt ratings, as applicable, by such rating agencies. A change in NW Holdings' debt ratings by S&P or Moody's is not an event of default, nor is the maintenance of a specific minimum level of debt rating a condition of drawing upon the credit agreement. Rather, interest rates on any loans outstanding under the credit agreements are tied to debt ratings and therefore, a change in the debt rating would increase or decrease the cost of any loans under the credit agreements when ratings are changed. NW Holdings does not currently maintain ratings with S&P or Moody's.

There was \$88.0 million and \$144.0 million of outstanding balances under the NW Holdings agreement at December 31, 2022 and 2021, respectively. No letters of credit were issued or outstanding under the NW Holdings agreement at December 31, 2022 and 2021.

NW Natural

In November 2021, NW Natural entered into an amended and restated credit agreement for unsecured revolving loans totaling \$400.0 million, with a feature that allows NW Natural to request increases in the total commitment amount, up to a maximum of \$600.0 million. The maturity date of the agreement is November 3, 2026 with an available extension of commitments for two additional one-year periods, subject to lender approval. The credit agreement permits the issuance of letters of credit in an

aggregate amount of up to \$60.0 million. The principal amount of borrowings under the credit agreement is due and payable on the maturity date. Interest charges on the NW Natural credit agreement were indexed to the LIBOR through January 31, 2023. The agreement was amended to replace LIBOR with the SOFR beginning February 2023. The SOFR is subject to a 10 basis point spread adjustment.

NW Natural's credit agreement requires NW Natural to maintain a consolidated indebtedness to total capitalization ratio of 70% or less. Failure to comply with this covenant would entitle the lenders to terminate their lending commitments and accelerate the maturity of all amounts outstanding. NW Natural was in compliance with this covenant at December 31, 2022 and 2021.

The NW Natural credit agreement also requires NW Natural to maintain credit ratings with S&P and Moody's and notify the lenders of any change in NW Natural's senior unsecured debt ratings or senior secured debt ratings, as applicable, by such rating agencies. A change in NW Natural's debt ratings by S&P or Moody's is not an event of default, nor is the maintenance of a specific minimum level of debt rating a condition of drawing upon the credit agreement. Rather, interest rates on any loans outstanding under the credit agreement are tied to debt ratings and therefore, a change in the debt rating would increase or decrease the cost of any loans under the credit agreement when ratings are changed.

There were no outstanding balances under NW Natural's credit agreement and no letters of credit issued or outstanding at December 31, 2022 and 2021. In February 2023, NW Natural issued a \$14 million letter of credit through its existing credit agreement. There were no other letters of credit outstanding under the credit agreement.

Long-Term Debt

NW Holdings

At December 31, 2022 and 2021, NW Holdings long-term debt consisted of the following:

	 Decembe	r 31, 2022	 Decembe	r 31, 2021
In millions	 Balance Outstanding	Weighted Average Interest Rate ⁽¹⁾	 Balance Outstanding	Weighted Average Interest Rate ⁽¹⁾
NW Natural first mortgage bonds	\$ 1,134.7	4.5 %	\$ 994.7	4.4 %
NW Holdings credit agreement	100.0	4.2 %	—	— %
NWN Water credit agreement	50.0	4.2 %	—	— %
NWN Water term loan	55.0	2.5 %	55.0	0.8 %
Other long-term debt	 6.2	_	 3.5	
Long-term debt, gross	\$ 1,345.9		\$ 1,053.2	
Less: unamortized debt issuance costs	9.0		8.3	
Less: current maturities	90.7	_	0.3	
Total long-term debt	\$ 1,246.2		\$ 1,044.6	

⁽¹⁾ Weighted average interest rate for the years ended December 31, 2022 and 2021.

Long-term debt at NWN Water is primarily comprised of a five-year term loan agreement for \$55.0 million, due in 2026. NWN Water entered into this agreement in June 2021 and the interest rate is based upon the one-month SOFR rate. The loan is guaranteed by NW Holdings and requires NW Holdings to maintain a consolidated indebtedness to total capitalization ratio of 70% or less. Failure to comply with this covenant would entitle the lenders to terminate their lending commitments and accelerate the maturity of all amounts outstanding. NW Holdings was in compliance with this covenant at December 31, 2022 and 2021, with a consolidated indebtedness to total capitalization ratio of 57.6% and 60.5%, respectively. In December 2022, NW Holdings entered into a swap to fix the interest rate on this debt beginning in January 2023 through the loan's maturity. See "Interest Rate Swap Agreements" below for more detail.

In September 2022, NW Holdings entered into an 18-month credit agreement for \$100.0 million and borrowed the full amount. The interest rate is based on the SOFR. The loan is due and payable on March 15, 2024. The credit agreement prohibits NW Holdings from permitting consolidated indebtedness to be greater than 70% of total capitalization, each as defined therein and calculated as of the end of each fiscal quarter. Failure to comply with this financial covenant would entitle the lenders to accelerate the maturity of the amounts outstanding under the credit agreement. NW Holdings was in compliance with this financial covenant as of December 31, 2022. In December 2022, NW Holdings entered into a swap to fix the interest rate on this debt beginning in January 2023 through the loan's maturity. See "Interest Rate Swap Agreements" below for more detail.

In September 2022, NWN Water entered into an 18-month credit agreement for \$50.0 million and borrowed the full amount. The interest rate is based on the SOFR. The loan is due and payable on March 15, 2024. The credit agreement prohibits NWN Water and NW Holdings from permitting consolidated indebtedness to be greater than 70% of total capitalization, each as defined therein and calculated as of the end of each fiscal quarter. Failure to comply with this financial covenant would entitle the lenders to accelerate the maturity of the amounts outstanding under the credit agreement. NWN Water and NW Holdings were in compliance with this financial covenant as of December 31, 2022.

Interest Rate Swap Agreements

NW Holdings and NWN Water entered into interest rate swap agreements with major financial institutions that effectively convert variable-rate debt to a fixed rate. Interest payments made between the effective date and expiration date are hedged by the swap agreements. The notional amount, effective date, expiration date and rate of the swap agreements are shown in the table below:

In millions	Notior	nal Amount	Effective Date	Expiration Date	Fixed Rate
NW Holdings	\$	100.0	1/17/2023	3/15/2024	4.7 %
NWN Water	\$	55.0	1/19/2023	6/10/2026	3.8 %

NW Natural

NW Natural's issuance of First Mortgage Bonds (FMBs), which includes NW Natural's medium-term notes, under the Mortgage and Deed of Trust (Mortgage) is limited by eligible property, adjusted net earnings, and other provisions of the Mortgage. The Mortgage constitutes a first mortgage lien on certain gas properties owned from time to time by NW Natural, including substantially all of NW Natural's NGD property.

In July 2022, NW Natural entered into a Bond Purchase Agreement between NW Natural and the institutional investors named as purchasers therein (the Bond Purchase Agreement). The Bond Purchase Agreement provides for the issuance of \$140.0 million aggregate principal amount of NW Natural's FMBs due in 2052 (the Bonds). The Bonds were issued on September 30, 2022. The Bonds bear interest at the rate of 4.78% per annum, payable semi-annually on March 30 and September 30 of each year, commencing March 30, 2023, and will mature on September 30, 2052. The Bonds are subject to redemption prior to maturity at the option of NW Natural, in whole or in part, (i) at any time prior to March 30, 2052, at a redemption price equal to 100% of the principal amount thereof plus a "make-whole" premium and accrued and unpaid interest thereon to the date of redemption, and (ii) at any time on and after March 30, 2052, at 100% of the principal amount thereof plus accrued and unpaid interest thereon to the date of redemption.

Maturities and Outstanding Long-Term Debt

Retirement of long-term debt for each of the annual periods through December 31, 2027 and thereafter are as follows:

In thousands	Lo	ng-term debt maturities
NW Natural:		
2023	\$	90,000
2024		_
2025		30,000
2026		55,000
2027		64,700
Thereafter		895,000
Total	\$	1,134,700

The following table presents debt outstanding as of December 31:

In thousands	2022	2021
NW Natural:		
First Mortgage Bonds:		
3.542% Series due 2023	50,000	50,000
5.620% Series due 2023	40,000	40,000
7.720% Series due 2025	20,000	20,000
6.520% Series due 2025	10,000	10,000
7.050% Series due 2026	20,000	20,000
3.211% Series due 2026	35,000	35,000
7.000% Series due 2027	20,000	20,000
2.822% Series due 2027	25,000	25,000
6.650% Series due 2027	19,700	19,700
6.650% Series due 2028	10,000	10,000
3.141% Series due 2029	50,000	50,000
7.740% Series due 2030	20,000	20,000
7.850% Series due 2030	10,000	10,000
5.820% Series due 2032	30,000	30,000
5.660% Series due 2033	40,000	40,000
5.250% Series due 2035	10,000	10,000
4.000% Series due 2042	50,000	50,000
4.136% Series due 2046	40,000	40,000
3.685% Series due 2047	75,000	75,000
4.110% Series due 2048	50,000	50,000
3.869% Series due 2049	90,000	90,000
3.600% Series due 2050	150,000	150,000
3.078% Series due 2051	130,000	130,000
4.780% Series due 2052	140,000	
Long-term debt, gross	1,134,700	994,700
Less: current maturities	90,000	
Total long-term debt	\$ 1,044,700	\$ 994,700

Fair Value of Long-Term Debt

NW Holdings' and NW Natural's outstanding debt does not trade in active markets. The fair value of debt is estimated using the value of outstanding debt at natural gas distribution companies with similar credit ratings, terms, and remaining maturities to NW Holdings' and NW Natural's debt that actively trade in public markets. Substantially all outstanding debt at NW Holdings is comprised of NW Natural debt. These valuations are based on Level 2 inputs as defined in the fair value hierarchy. See Note 2.

The following table provides an estimate of the fair value of long-term debt, including current maturities of long-term debt, using market prices in effect on the valuation date:

	 Decem	nber 31,			
In thousands	2022		2021		
NW Natural:					
Gross long-term debt	\$ 1,134,700	\$	994,700		
Unamortized debt issuance costs	(8,823)		(8,205)		
Carrying amount	\$ 1,125,877	\$	986,495		
Estimated fair value ⁽¹⁾	\$ 944,383	\$	1,110,741		
NW Holdings:					
Gross long-term debt	\$ 1,345,851	\$	1,053,241		
Unamortized debt issuance costs	(8,987)		(8,309)		
Carrying amount	\$ 1,336,864	\$	1,044,932		
Estimated fair value ⁽¹⁾	\$ 1,148,395	\$	1,174,500		

⁽¹⁾ Estimated fair value does not include unamortized debt issuance costs.

10. PENSION AND OTHER POSTRETIREMENT BENEFIT COSTS

NW Natural maintains a qualified non-contributory defined benefit pension plan (Pension Plan) for all eligible employees, nonqualified supplemental pension plans for eligible executive officers and other key employees, and other postretirement employee benefit plans. NW Natural also has a qualified defined contribution plan (Retirement K Savings Plan) for all eligible employees. The Pension Plan and Retirement K Savings Plan have plan assets, which are held in qualified trusts to fund retirement benefits.

Effective January 1, 2007 and 2010, the Pension Plan and postretirement benefits for non-union employees and union employees, respectively, were closed to new participants. Non-union and union employees hired or re-hired after December 31, 2006 and 2009, respectively, and employees of NW Natural subsidiaries are provided an enhanced Retirement K Savings Plan benefit.

The following table provides a reconciliation of the changes in NW Natural's benefit obligations and fair value of plan assets, as applicable, for NW Natural's pension and other postretirement benefit plans, excluding the Retirement K Savings Plan, and a summary of the funded status and amounts recognized in NW Holdings' and NW Natural's consolidated balance sheets as of December 31:

	Postretirement Benefit Plans							
	Pension Benefits					Other B	Benefits	
In thousands		2022		2021		2022		2021
Reconciliation of change in benefit obligation:								
Obligation at January 1	\$	542,618	\$	566,147	\$	27,223	\$	29,039
Service cost		5,933		6,982		193		238
Interest cost		14,593		13,447		724		684
Net actuarial gain		(122,168)		(18,587)		(6,234)		(688)
Benefits paid		(27,563)		(25,371)		(2,026)		(2,050)
Obligation at December 31	\$	413,413	\$	542,618	\$	19,880	\$	27,223
Reconciliation of change in plan assets:								
Fair value of plan assets at January 1	\$	399,217	\$	373,932	\$	_	\$	
Actual return on plan assets		(93,703)		38,712		_		_
Employer contributions		2,353		11,944		2,026		2,050
Benefits paid		(27,563)		(25,371)		(2,026)		(2,050)
Fair value of plan assets at December 31	\$	280,304	\$	399,217	\$	_	\$	_
Funded status at December 31	\$	(133,109)	\$	(143,401)	\$	(19,880)	\$	(27,223)

At December 31, 2022, the net liability (benefit obligations less market value of plan assets) for the Pension Plan decreased \$3.3 million compared to 2021. The decrease in the net pension liability is primarily due to the \$118.9 million decrease in plan assets and the \$122.3 million decrease to the pension benefit obligation. The liability for non-qualified plans decreased \$6.9 million, and the liability for other postretirement benefits decreased \$7.3 million in 2022.

NW Natural's Pension Plan had a projected benefit obligation of \$381.6 million and \$503.9 million at December 31, 2022 and 2021, respectively, and fair values of plan assets of \$280.3 million and \$399.2 million, respectively. The plan had an accumulated benefit obligation of \$353.4 million and \$464.4 million at December 31, 2022 and 2021, respectively.

The following table presents amounts realized through regulatory assets or in other comprehensive loss (income) for the years ended December 31:

Regulatory Assets							Other Com	orehensive Los	s (Income)
	Pe	ension Benefi	its	Other P	ostretiremen	t Benefits	P	ension Benefit	S
In thousands	2022	2021	2020	2022	2021	2020	2022	2021	2020
Net actuarial (gain) loss	\$ 2,833	\$ (32,258)	\$ 16,170	\$ (6,234)	\$ (688)	\$ 145	\$ (5,706)	\$ (812)	\$ 3,873
Amortization of:									
Prior service credit	_	_	_	333	468	468	_	_	_
Actuarial loss	(11,531)	(21,250)	(18,627)	(426)	(645)	(607)	(1,081)	(1,225)	(923)
Total	\$ (8,698)	\$ (53,508)	\$ (2,457)	\$ (6,327)	\$ (865)	\$6	\$ (6,787)	\$ (2,037)	\$ 2,950

The following table presents amounts recognized in regulatory assets and accumulated other comprehensive loss (AOCL) at December 31:

	Regulatory Assets							AOCL			
	Pension Benefits Other Postretirement Benefits			s Pension Benefits			efits				
In thousands	2022		2021		2022		2021		2022		2021
Prior service credit	\$ _	\$	_	\$	_	\$	(333)	\$	_	\$	
Net actuarial loss (gain)	 102,240		112,182		(826)		5,834		8,717		15,399
Total	\$ 102,240	\$	112,182	\$	(826)	\$	5,501	\$	8,717	\$	15,399

The following table presents amounts recognized by NW Holdings and NW Natural in AOCL and the changes in AOCL related to NW Natural's non-qualified employee benefit plans:

	Year ended December 31,						
In thousands	 2022		2021				
Beginning balance	\$ (11,404)	\$	(12,902)				
Amounts reclassified to AOCL	5,706		812				
Amounts reclassified from AOCL:							
Amortization of actuarial losses	1,081		1,225				
Total reclassifications before tax	6,787		2,037				
Tax benefit	(1,797)		(539)				
Total reclassifications for the period	4,990		1,498				
Ending balance	\$ (6,414)	\$	(11,404)				

In 2023, NW Natural will not amortize any estimated costs from regulatory assets to net periodic benefit costs.

The assumed discount rates for NW Natural's Pension Plan and other postretirement benefit plans were determined independently based on the FTSE Above Median Curve (discount rate curve), which uses high quality corporate bonds rated AA-or higher by S&P or Aa3 or higher by Moody's. The discount rate curve was applied to match the estimated cash flows in each of the plans to reflect the timing and amount of expected future benefit payments for these plans.

The assumed expected long-term rate of return on plan assets for the Pension Plan was developed using a weighted-average of the expected returns for the target asset portfolio. In developing the expected long-term rate of return assumption, consideration was given to the historical performance of each asset class in which the plan's assets are invested and the target asset allocation for plan assets.

The investment strategy and policies for Pension Plan assets held in the retirement trust fund were approved by the NW Natural Retirement Committee, which is composed of senior management with the assistance of an outside investment consultant. The policies set forth the guidelines and objectives governing the investment of plan assets. Plan assets are invested for total return with appropriate consideration for liquidity, portfolio risk, and return expectations. All investments are expected to satisfy the prudent investments rule under the Employee Retirement Income Security Act of 1974. The approved asset classes may include cash and short-term investments, fixed income, common stock and convertible securities, absolute and real return strategies, and real estate. Plan assets may be invested in separately managed accounts or in commingled or mutual funds. Investment rebalancing takes place periodically as needed, or when significant cash flows occur, in order to maintain the allocation of assets within the stated target ranges. The retirement trust fund for the Pension Plan is not currently invested in NW Holdings or NW Natural securities.

The following table presents the Pension Plan asset target allocation at December 31, 2022:

Asset Category	Target Allocation
Long government/credit	20 %
U.S. large cap equity	18
Non-U.S. equity	18
Absolute return strategies	12
U.S. small/mid cap equity	10
Real estate funds	7
High yield bonds	5
Emerging markets equity	5
Emerging market debt	5

Non-qualified supplemental defined benefit plan obligations were \$31.8 million and \$38.7 million at December 31, 2022 and 2021, respectively. These plans are not subject to regulatory deferral, and the changes in actuarial gains and losses, prior service costs, and transition assets or obligations are recognized in AOCL, net of tax until they are amortized as a component of net periodic benefit cost. These are unfunded, non-qualified plans with no plan assets; however, a significant portion of the obligations is indirectly funded with company and trust-owned life insurance and other assets.

Other postretirement benefit plans are unfunded plans but are subject to regulatory deferral. The actuarial gains and losses, prior service costs, and transition assets or obligations for these plans are recognized as a regulatory asset.

Net periodic benefit costs consist of service costs, interest costs, the expected returns on plan assets, and the amortization of gains and losses and prior service costs. The gains and losses are the sum of the actuarial and asset gains and losses throughout the year and are amortized over the average remaining service period of active participants. The asset gains and losses are based in part on a market-related valuation of assets. The market-related valuation reflects differences between expected returns and actual investment returns with the differences recognized over a two-year period from the year in which they occur, thereby reducing year-to-year net periodic benefit cost volatility.

The service cost component of net periodic benefit cost for NW Natural pension and other postretirement benefit plans is recognized in operations and maintenance expense in the consolidated statements of comprehensive income. The other nonservice cost components are recognized in other income (expense), net in the consolidated statements of comprehensive income. The following table provides the components of net periodic benefit cost for NW Natural's pension and other postretirement benefit plans for the years ended December 31:

	 Pension Benefits						Other Postretirement Benefits						
In thousands	 2022		2021		2020		2022		2021		2020		
Service cost	\$ 5,933	\$	6,981	\$	6,614	\$	193	\$	238	\$	258		
Interest cost	14,593		13,448		16,161		724		684		905		
Expected return on plan assets	(25,698)		(24,232)		(21,865)		_		_		_		
Amortization of prior service credit	_		_		_		(333)		(468)		(468)		
Amortization of net actuarial loss	 12,612		22,475		19,550		426		645		607		
Net periodic benefit cost	 7,440		18,672		20,460		1,010		1,099		1,302		
Amount allocated to construction	 (2,621)		(3,015)		(2,798)		(76)		(93)		(98)		
Net periodic benefit cost charged to expense	 4,819		15,657		17,662		934		1,006		1,204		
Amortization of regulatory balancing account	 7,131		7,131		7,131						_		
Net amount charged to expense	\$ 11,950	\$	22,788	\$	24,793	\$	934	\$	1,006	\$	1,204		

Net periodic benefit costs are reduced by amounts capitalized to NGD plant. In addition, a certain amount of net periodic benefit costs were recorded to the regulatory balancing account, representing net periodic pension expense for the Pension Plan above the amount set in rates, as approved by the OPUC, from 2011 through October 31, 2018. Total amortization of the regulatory balancing account of \$7.1 million was recognized in each of the years ended December 31, 2022 and 2021, of which \$2.6 million was charged to operations and maintenance expense and \$4.5 million was charged to other income (expense).

The following table provides the assumptions used in measuring periodic benefit costs and benefit obligations for the years ended December 31:

	Pe	nsion Benefits	8	Other Po	stretirement Ber	nefits
	2022	2021	2020	2022	2021	2020
Assumptions for net periodic benefit cost:						
Weighted-average discount rate	2.71 %	2.40 %	3.18 %	2.72 %	2.34 %	3.11 %
Rate of increase in compensation	3.50 %	3.50 %	3.50 %	n/a	n/a	n/a
Expected long-term rate of return	7.00 %	7.25 %	7.25 %	n/a	n/a	n/a
Assumptions for year-end funded status:						
Weighted-average discount rate	5.18 %	2.71 %	2.36 %	5.19 %	2.72 %	2.34 %
Rate of increase in compensation ⁽¹⁾	4.00-6.00%	3.50 %	3.50-6.50%	n/a	n/a	n/a
Expected long-term rate of return	7.50 %	7.00 %	7.25 %	n/a	n/a	n/a

⁽¹⁾ Rate assumption ranges from 4.5% to 5.0% in 2023, 4.0% to 6.0% in 2024 and 4.0% thereafter.

The assumed annual increase in health care cost trend rates used in measuring other postretirement benefits as of December 31, 2022 was 7.00%. These trend rates apply to both medical and prescription drugs. Medical costs and prescription drugs are assumed to decrease gradually each year to a rate of 4.00% by 2029.

Assumed health care cost trend rates can have a significant effect on the amounts reported for the health care plans; however, other postretirement benefit plans have a cap on the amount of costs reimbursable by NW Natural. Mortality assumptions are reviewed annually and are updated for material changes as necessary. In 2022, mortality rate assumptions remained consistent with 2021, using Pri-2012 mortality tables using scale MP-2021.

The following table provides information regarding employer contributions and benefit payments for NW Natural's Pension Plan, non-qualified pension plans, and other postretirement benefit plans for the years ended December 31, and estimated future contributions and payments:

In thousands	Pension Benefits		Other	Benefits
Employer Contributions:				
2021	\$	11,944	\$	2,050
2022		2,353		2,026
2023 (estimated)		2,333		1,586
Benefit Payments:				
2020		25,073		1,837
2021		25,371		2,050
2022		27,563		2,026
Estimated Future Benefit Payments:				
2023		26,499		1,586
2024		27,029		1,591
2025		27,541		1,586
2026		27,981		1,560
2027		36,485		1,552
2028-2032		145,486		7,345

Employer Contributions to Company-Sponsored Defined Benefit Pension Plan

NW Natural makes contributions to its Pension Plan based on actuarial assumptions and estimates, tax regulations, and funding requirements under federal law. The Pension Plan was underfunded by \$101.3 million at December 31, 2022. NW Natural made no cash contributions to its Pension Plan for 2022. The American Rescue Plan, which was signed into law on March 11, 2021, includes a provision for pension relief that extends the amortization period for required contributions from 7 to 15 years and provides for the stabilization of interest rates used to calculate future required contributions. As a result, NW Natural does not expect to make any plan contributions during 2023.

Multiemployer Pension Plan

In addition to the NW Natural-sponsored Pension Plan presented above, prior to 2014 NW Natural contributed to a multiemployer pension plan for its NGD union employees known as the Western States Office and Professional Employees International Union Pension Fund (Western States Plan). That plan's employer identification number is 94-6076144. Effective December 22, 2013, NW Natural withdrew from the plan, which was a noncash transaction. Vested participants will receive all benefits accrued through the date of withdrawal. As the plan was underfunded at the time of withdrawal, NW Natural was assessed a withdrawal liability of \$8.3 million, plus interest, which requires NW Natural to pay \$0.6 million each year to the plan for 20 years beginning in July 2014. The cost of the withdrawal liability was deferred to a regulatory account on the balance sheet.

Payments were \$0.6 million for 2022, and as of December 31, 2022, the liability balance was \$5.4 million. For 2021 and 2020, contributions to the plan were \$0.4 million and \$0.7 million, respectively, which was approximately 3% to 5% of the total contributions to the plan by all employer participants in those years.

Defined Contribution Plan

NW Natural's Retirement K Savings Plan is a qualified defined contribution plan under Internal Revenue Code Sections 401(a) and 401(k). NW Natural contributions totaled \$9.6 million, \$8.8 million, and \$8.3 million for 2022, 2021, and 2020, respectively.

Deferred Compensation Plans

NW Natural's supplemental deferred compensation plans for eligible officers and senior managers are non-qualified plans. These plans are designed to enhance the retirement savings of employees and to assist them in strengthening their financial security by providing an incentive to save and invest regularly.

Fair Value

Below is a description of the valuation methodologies used for assets measured at fair value. In cases where NW Natural's Pension Plan is invested through a collective trust fund or mutual fund, the fund's market value is utilized. Market values for investments directly owned are also utilized.

U.S. EQUITY. These are non-published net asset value (NAV) assets. The non-published NAV assets consist of commingled trusts where NAV is not published but the investment can be readily disposed of at NAV or market value. The underlying investments in this asset class includes investments primarily in U.S. common stocks.

INTERNATIONAL/GLOBAL EQUITY. These are Level 1 and non-published NAV assets. The Level 1 asset is a mutual fund, and the non-published NAV assets consist of commingled trusts where the NAV/unit price is not published, but the investment can be readily disposed of at the NAV/unit price. The mutual funds has a readily determinable fair value, including a published NAV, and the commingled trusts are valued at unit price. This asset class includes investments primarily in foreign equity common stocks.

LIABILITY HEDGING. These are non-published NAV assets. The non-published NAV assets consist of commingled trusts where NAV is not published but the investment can be readily disposed of at NAV or market value. The underlying investments in this asset class include long duration fixed income investments primarily in U.S. treasuries, U.S. government agencies, municipal securities, mortgage-backed securities, asset-backed securities, as well as U.S. and international investment-grade corporate bonds.

OPPORTUNISTIC. These are non-published NAV assets. The non-published NAV assets consist of commingled trusts where NAV is not published but the investment can be readily disposed of at NAV or market value. The underlying investments in this asset class include real estate investment trust equities, high yield bonds, floating rate debt, emerging market debt and a commodity index pool.

CASH AND CASH EQUIVALENTS. These are Level 1 and non-published NAV assets. The Level 1 assets consist of cash in U.S. dollars, which can be readily disposed of at face value. The non-published NAV assets represent mutual funds without published NAV's but the investment can be readily disposed of at the NAV. The mutual funds are valued at the NAV of the shares held by the plan at the valuation date.

The preceding valuation methods may produce a fair value calculation that is not indicative of net realizable value or reflective of future fair values. Although we believe these valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain investments could result in a different fair value measurement at the reporting date.

Investment securities are exposed to various financial risks including interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is reasonably possible that changes in the values of NW Natural's investment securities will occur in the near term and such changes could materially affect NW Natural's investment account balances and the amounts reported as plan assets available for benefit payments.

The following tables present the fair value of NW Natural's Pension Plan assets, including outstanding receivables and liabilities, of NW Natural's retirement trust fund

In thousands	December 31, 2022											
Investments	Level	1	Level 2		Level 3	No	n-Published NAV ⁽¹⁾		Total			
US equity	\$	— \$; _	\$	_	\$	68,729	\$	68,729			
International / Global equity	26	,677	—		_		63,827		90,504			
Liability hedging		_	_		_		94,823		94,823			
Opportunistic			_		_		23,903		23,903			
Cash and cash equivalents		_	_		_		2,345		2,345			
Total investments	\$ 26	,677 \$;	\$		\$	253,627	\$	280,304			

			Dec	ember 31, 20	21			
Investments	Level 1	Level 2		Level 3	Nc	n-Published NAV ⁽¹⁾		Total
US equity	\$ _	\$ _	\$	_	\$	121,090	\$	121,090
International / Global equity	35,456	_		_		88,078		123,534
Liability hedging	_	_		_		118,464		118,464
Opportunistic	—	_		_		33,808		33,808
Cash and cash equivalents	_	_		_		2,321		2,321
Total investments	\$ 35,456	\$ _	\$	_	\$	363,761	\$	399,217
						Decem	ber :	31,
						2022		2021
Receivables:								
Accrued interest and dividend income					\$	7,703	\$	_
Total receivables						7,703		_
Liabilities:								

 Due to broker for securities purchased
 (7,701)
 —

 Total investment in retirement trust
 \$ 280,306
 \$ 399,217

 (1)
 The fair value for these investments is determined using Net Asset Value per share (NAV) as of December 31, as a practical expedient, and

 therefore they are not element truther fair value biotecture.

therefore they are not classified within the fair value hierarchy. These investments primarily consist of institutional investment products, for which the NAV is generally not publicly available.

11. INCOME TAX

The following table provides a reconciliation between income taxes calculated at the statutory federal tax rate and the provision for income taxes reflected in the NW Holdings and NW Natural statements of comprehensive income or loss for December 31:

	NW Holdings					NW Natural						
Dollars in thousands		2022		2021		2020		2022		2021		2020
Income taxes at federal statutory rate	\$	24,241	\$	22,275	\$	19,185	\$	25,746	\$	22,996	\$	19,248
Increase (decrease):												
State income tax, net of federal		10,139		9,962		6,389		10,504		10,150		6,385
Differences required to be flowed-through by regulatory commissions		(4,748)		(4,655)		(3,960)		(4,746)		(4,738)		(3,960)
Other, net		(502)		(176)		(532)		(468)		(75)		(578)
Total provision for income taxes	\$	29,130	\$	27,406	\$	21,082	\$	31,036	\$	28,333	\$	21,095
Effective tax rate		25.2%	_	25.8%	_	23.1%	_	25.3%		25.9%	_	23.0%

The NW Holdings and NW Natural effective income tax rates for 2022 compared to 2021 changed primarily due to lower income tax amortization in 2022 of the 2020 Oregon Corporate Activity Tax (CAT), which was subject to regulatory deferral when it became effective on January 1, 2020 and then amortized in income tax expense as recovery began in late 2020, 2021, and 2022.

The NW Holdings and NW Natural effective income tax rates for 2021 compared to 2020 changed primarily due to Oregon CAT, the majority of which is incurred because of Oregon regulated operations and for which rate recovery began on November 1, 2020.

The provision for current and deferred income taxes consists of the following at December 31:

	NW Holdings					NW Natural						
In thousands		2022		2021		2020		2022		2021		2020
Current												
Federal	\$	5,172	\$	6,508	\$	10,106	\$	7,442	\$	7,570	\$	11,092
State		6,551		6,281		5,971		7,307		7,540		5,357
Total current income taxes		11,723		12,789		16,077		14,749		15,110		16,449
Deferred												
Federal		11,124		8,289		2,888		10,298		7,915		1,921
State		6,283		6,328		2,117		5,989		5,308		2,725
Total deferred income taxes		17,407		14,617		5,005		16,287		13,223		4,646
Income tax provision	\$	29,130	\$	27,406	\$	21,082	\$	31,036	\$	28,333	\$	21,095

The following table summarizes the tax effect of significant items comprising NW Holdings and NW Natural's deferred income tax balances recorded at December 31:

	 NW Holdings				NW N	latu	lural	
In thousands	2022		2021		2022		2021	
Deferred tax liabilities:								
Plant and property	\$ 326,326	\$	310,471	\$	320,121	\$	303,928	
Leases receivable	36,873		38,123		36,873		38,123	
Pension and postretirement obligations	22,973		23,097		22,973		23,097	
Income tax regulatory asset	13,152		14,818		13,152		14,818	
Lease right of use assets	21,272		21,362		21,084		21,350	
Other	17,050		7,793		17,314		8,003	
Total deferred income tax liabilities	\$ 437,646	\$	415,664	\$	431,517	\$	409,319	
Deferred income tax assets:								
Income tax regulatory liability	\$ 48,270	\$	50,447	\$	48,018	\$	50,193	
Lease liabilities	21,306		21,376		21,102		21,365	
Other intangible assets	1,947		3,484		—			
Net operating losses and credits carried forward	 101		126		44		44	
Total deferred income tax assets	\$ 71,624	\$	75,433	\$	69,164	\$	71,602	
Total net deferred income tax liabilities	\$ 366,022	\$	340,231	\$	362,353	\$	337,717	

At December 31, 2022 and 2021, regulatory income tax assets of \$10.2 million and \$12.4 million, respectively, were recorded by NW Natural, a portion of which is recorded in current assets. These regulatory income tax assets primarily represent future rate recovery of deferred tax liabilities, resulting from differences in NGD plant financial statement and tax bases and NGD plant removal costs, which were previously flowed through for rate making purposes and to take into account the additional future taxes, which will be generated by that recovery. These deferred tax liabilities, and the associated regulatory income tax assets, are currently being recovered through customer rates. At December 31, 2022 and 2021, regulatory income tax assets of \$2.9 million and \$2.4 million, respectively, were recorded by NW Natural, representing future recovery of deferred tax liabilities resulting from the equity portion of AFUDC. At December 31, 2021, a regulatory income tax asset of \$0.4 million was recorded by NW Natural, representing future recovery 1, 2020 and October 31,2020. In October 2020, the OPUC issued an order providing for recovery of deferred Oregon CAT as well as CAT incurred prospectively beginning November 1, 2020. This asset was fully recovered as of December 31, 2022.

At December 31, 2022 and 2021, deferred tax assets of \$48.0 million and \$50.2 million, respectively, were recorded by NW Natural representing the future income tax benefit associated with the excess deferred income tax regulatory liability recorded as a result of the lower federal corporate income tax rate provided for by the TCJA. At December 31, 2022 and 2021, regulatory liability balances representing the benefit of the change in deferred taxes as a result of the TCJA of \$181.4 million and \$189.6 million, respectively, were recorded by NW Natural.

NW Holdings and NW Natural assess the available positive and negative evidence to estimate if sufficient taxable income will be generated to utilize their respective existing deferred tax assets. Based upon this assessment, NW Holdings and NW Natural determined that it is more likely than not that all of their respective deferred tax assets recorded as of December 31, 2022 will be realized.

The Company estimates it has net operating loss (NOL) carryforwards of \$0.1 million for federal taxes and \$0.1 million for state taxes at December 31, 2022. The federal NOLs do not expire and we anticipate fully utilizing the state NOL carryforward

balances before they begin to expire in 2040. California alternative minimum tax (AMT) credits of \$56 thousand are also available. The AMT credits do not expire.

Uncertain tax positions are accounted for in accordance with accounting standards that require an assessment of the anticipated settlement outcome of material uncertain tax positions taken in a prior year, or planned to be taken in the current year. Until such positions are sustained, the uncertain tax benefits resulting from such positions would not be recognized. No reserves for uncertain tax positions were recorded as of December 31, 2022, 2021, or 2020.

The federal income tax returns for tax years 2018 and earlier are closed by statute. The IRS Compliance Assurance Process (CAP) examination of the 2019 and 2020 tax years have been completed. There were no material changes to these returns as filed. The 2021 and 2022 tax years are currently under IRS CAP examination. The 2023 CAP application has been filed. Under the CAP program, NW Holdings and NW Natural work with the IRS to identify and resolve material tax matters before the tax return is filed each year.

As of December 31, 2022, income tax years 2018 through 2021 remain open for examination by the State of California. Income tax years 2019 through 2021 are open for examination by the States of Oregon, Idaho, and Texas.

12. PROPERTY, PLANT, AND EQUIPMENT

The following table sets forth the major classifications of property, plant, and equipment and accumulated depreciation of continuing operations at December 31:

In thousands	2022	2021
NW Natural:		
NGD plant in service	\$ 3,992,676	\$ 3,721,939
NGD construction work in progress	78,897	135,398
Less: Accumulated depreciation	1,115,690	1,098,715
NGD plant, net	 2,955,883	 2,758,622
Other plant in service	 70,368	 69,332
Other construction work in progress	6,606	4,971
Less: Accumulated depreciation	21,541	20,646
Other plant, net	 55,433	 53,657
Total property, plant, and equipment	\$ 3,011,316	\$ 2,812,279
Other (NW Holdings):		
Other plant in service	\$ 92,979	\$ 57,184
Other construction work in progress	20,040	8,419
Less: Accumulated depreciation	 9,935	6,512
Other plant, net	 103,084	 59,091
NW Holdings:		
Total property, plant, and equipment	\$ 3,114,400	\$ 2,871,370
NW Natural:		
Capital expenditures in accrued liabilities	\$ 24,584	\$ 37,537
NW Holdings:		
Capital expenditures in accrued liabilities	\$ 25,318	\$ 38,333

Accumulated depreciation does not include the accumulated provision for asset removal costs of \$467.7 million and \$446.0 million at December 31, 2022 and 2021, respectively. These accrued asset removal costs are reflected on the balance sheet as regulatory liabilities. See Note 2.

NW Holdings

Other plant balances include long-lived assets associated with water and wastewater operations and non-regulated activities not held by NW Natural or its subsidiaries.

NW Natural

Other plant balances include non-utility gas storage assets at the Mist facility and other long-lived assets not related to NGD.

The weighted average depreciation rate for NGD assets was 3.0% in 2022, 2021, and 2020. The weighted average depreciation rate for assets not related to NGD was 1.8% in 2022, 2021, and 2020.

13. INVESTMENTS

Investments include gas reserves, financial investments in life insurance policies, and equity method investments. The following table summarizes other investments at December 31:

	 NW H	olding	js	NW Natural						
In thousands	 2022		2021		2022		2021			
Investments in life insurance policies	\$ 49,358	\$	48,178	\$	49,358	\$	48,178			
Investments in gas reserves, non-current	22,970		26,608		22,970		26,608			
Investments in unconsolidated affiliates	 23,376		14,492		7,782		_			
Total other investments	\$ 95,704	\$	89,278	\$	80,110	\$	74,786			

Investment in Life Insurance Policies

NW Natural has invested in key person life insurance contracts to provide an indirect funding vehicle for certain long-term employee and director benefit plan liabilities. The amount in the above table is reported at cash surrender value, net of policy loans.

NW Natural Gas Reserves

NW Natural has invested \$188 million through the gas reserves program in the Jonah Field located in Wyoming as of December 31, 2022. Gas reserves are stated at cost, net of regulatory amortization, with the associated deferred tax benefits of \$5.2 million and \$6.9 million, which are recorded as liabilities in the December 31, 2022 and 2021 consolidated balance sheets, respectively. NW Natural's investment is included in NW Holdings' and NW Natural's consolidated balance sheets under other current assets and other investments (non-current portion) with the maximum loss exposure limited to the investment balance. The amount of gas reserves included in other current assets was \$3.4 million and \$5.4 million as of December 31, 2022 and 2021, respectively. The investment in gas reserves provides long-term price protection and acted to hedge the cost of gas for approximately 3% and 4% of NGD gas supplies for the years ended December 31, 2022 and 2021, respectively.

Investments in Unconsolidated Affiliates

In December 2021, NW Natural Water purchased a 37.3% ownership stake in Avion Water Company, Inc. (Avion Water), an investor-owned water utility for \$14.5 million. In July 2022, NW Natural Water increased its ownership stake in Avion Water to 40.3% for an additional \$1.0 million. Avion Water operates in Bend, Oregon and the surrounding communities, serving approximately 15,000 customer connections and employing 35 people. The carrying value of the equity method investment is \$9.4 million higher than the underlying equity in the net assets of the investee at December 31, 2022 due to equity method goodwill. Equity in earnings (loss) of Avion Water is included in other income (expense), net.

On August 6, 2020, NWN Energy completed the sale of 100% of its interest in Trail West Holdings, LLC (TWH) to an unrelated third party for a purchase price of \$14.0 million, \$7.0 million of which was paid upon closing the transaction, and \$7.0 million of which was paid upon the one-year anniversary of the close date. The completion of the sale resulted in an after-tax gain of approximately \$0.5 million for the year ended December 31, 2020. TWH was a variable interest entity reported under equity method accounting through its sale. The investment in TWH did not meet the criteria to be classified as held for sale or discontinued operations.

In 2020, NW Natural began a partnership with BioCarbN to invest in up to four separate RNG development projects that are designed to access biogas derived from water treatment at Tyson Foods' processing plants, subject to approval by all parties. During the construction phase of the projects, NW Natural determined it is the primary beneficiary and fully consolidates each entity.

In 2022, commissioning of the first project, Lexington Renewable Energy LLC (Lexington), was completed and NW Natural determined it was no longer the primary beneficiary and deconsolidated the variable interest entity and recorded the investment in Lexington as an equity method investment. NW Natural accounts for its interest in Lexington using the equity method of accounting because NW Natural does not control but has the ability to exercise significant influence over Lexington's operations after commissioning. There was no gain or loss recognized upon deconsolidation. NW Natural determined the fair value of the investment approximated the carrying value which was primarily comprised of cash and property, plant and equipment. As of December 31, 2022, NW Natural had an investment balance in Lexington of \$7.8 million. Equity in earnings (loss) of Lexington is included in cost of gas.

14. BUSINESS COMBINATIONS

2022 Business Combinations

Far West Water & Sewer, Inc.

On October 5, 2022, NWN Water completed the acquisition of the water and wastewater utilities of Far West Water & Sewer, Inc. (Far West), which has a combined approximately 25,000 connections in Yuma, Arizona. The acquisition-date fair value of the total consideration transferred, after closing adjustments, was approximately \$97.0 million, of which \$88.4 million was cash consideration transferred at closing, \$8.1 million was contingent consideration, and \$0.5 million was deferred consideration.

The contingent consideration is an earnout payment in an amount equal to the product of (i) the amount, if any, by which the average annual System Operating Revenue for the 2026, 2027, and 2028 years exceeds \$13.0 million (ii) multiplied by 4 but shall not exceed \$12.0 million. As of the acquisition date, the contingent consideration had a fair value of \$8.1 million and was included in other non-current liabilities. The fair value as of the acquisition date was determined using a scenario-based technique using management's best estimate of forecast revenue for the years 2026, 2027, and 2028 discounted to present value. The inputs to determine the fair value of the contingent consideration include estimated future revenue and a risk-adjusted discount rate. The fair value measurement is based on significant inputs that are not observable in the market and thus represents a fair value measurement categorized within Level 3 of the fair value hierarchy per ASC Topic 820.

The Far West acquisition met the criteria of a business combination, and as such a preliminary allocation of the consideration to the acquired net assets based on their estimated fair value as of the acquisition date was performed. In accordance with U.S. GAAP, the fair value determination involves management judgment in determining the significant estimates and assumptions used and was made using existing regulatory conditions for net assets associated with Far West. This allocation is considered preliminary as of December 31, 2022, as facts and circumstances that existed as of the acquisition date may be discovered as we continue to integrate Far West. As a result, subsequent adjustments to the preliminary valuation of tangible assets, contract assets and liabilities, tax positions, and goodwill may be required. Subsequent adjustments are not expected to be significant, and any such adjustments are expected to be completed within the one-year measurement period. The acquisition costs were expensed as incurred.

Preliminary goodwill of \$70.8 million was recognized from this acquisition. The goodwill recognized is attributable to Far West's regulated water utility service territory, experienced workforce, and the strategic benefits for both the water utility and wastewater services expected from growth in its service territory. No intangible assets aside from goodwill were recognized. The amount of goodwill that is expected to be deductible for income tax purposes is approximately \$61.8 million

The preliminary purchase price for the acquisition has been allocated to the net assets acquired as of the acquisition date and is as follows:

In thousands	December 31, 2022
Current assets	\$ 1,281
Property, plant and equipment	25,744
Goodwill	70,842
Non-current assets	684
Current liabilities	(1,136)
Non-current liabilities	(9,011)
Total net assets acquired	\$ 88,404

The amount of Far West revenues included in NW Holdings' consolidated statements of comprehensive income is \$2.9 million for the year ended December 31, 2022. Earnings from Far West activities for the year ended December 31, 2022 were not material to the results of NW Holdings. Far West is referred to as Foothills Utilities following the closure of the acquisition.

Other 2022 Business Combinations

During the year ended December 31, 2022, NWN Water and its subsidiaries acquired the assets of six additional businesses qualifying as business combinations. The aggregate fair value of the preliminary consideration transferred for these acquisitions was \$8.7 million, most of which was preliminarily allocated to property, plant and equipment and goodwill. These transactions align with NW Holdings' water and wastewater sector strategy as it continues to expand its water and wastewater service territories and included:

- Belle Oaks Water and Sewer Co., Inc in Texas
- Northwest Water Services, LLC in Washington
- Aquarius Utilities, LLC in Washington
- · Valiant Idaho, LLC (The Idaho Club Sewer) in Idaho
- Caney Creek in Texas
- Water Necessities, Inc. and Rural Water Co. in Texas

2021 Business Combinations

During the year ended December 31, 2021, NWN Water and its subsidiaries completed four acquisitions qualifying as business combinations. The aggregate fair value of the consideration transferred for these acquisitions were not material and are not significant to NW Holdings' results of operations.

2020 Business Combinations

During the year ended December 31, 2020, NWN Water and its subsidiaries completed two significant acquisitions qualifying as business combinations. The aggregate fair value of the total cash consideration transferred for these acquisitions was \$38.1 million, most of which was allocated to property, plant and equipment and goodwill. These transactions align with NW Holdings' water sector strategy as it continues to expand its water services territories in the Pacific Northwest and beyond and included:

- Suncadia Water Company, LLC and Suncadia Environmental Company, LLC which were acquired by NWN Water of Washington on January 31, 2020, and
- T&W Water Service Company which was acquired by NWN Water of Texas on March 2, 2020. T&W Water Service Company is referred to as Blue Topaz Utilities following the closure of the acquisition.

Other 2020 Business Combinations

During the year ended December 31, 2020, NWN Water completed three additional acquisitions, comprised of four water systems and one wastewater system, which qualified as business combinations. The aggregate fair value of the consideration transferred for these acquisitions was approximately \$1.5 million. These business combinations were not significant to NW Holdings' results of operations.

Goodwill

NW Holdings allocates goodwill to reporting units based on the expected benefit from the business combination. We perform an annual impairment assessment of goodwill at the reporting unit level, or more frequently if events and circumstances indicate that goodwill might be impaired. An impairment loss is recognized if the carrying value of a reporting unit's goodwill exceeds its fair value.

As a result of all acquisitions completed, total goodwill was \$149.3 million as of December 31, 2022 and \$70.6 million as of December 31, 2021. The increase in the goodwill balance was primarily due to additions associated with our acquisitions in the water and wastewater sector. All of our goodwill is related to water and wastewater acquisitions and is included in the other category for segment reporting purposes. The annual impairment assessment of goodwill occurs in the fourth quarter of each year. There have been no impairments recognized to date.

15. DERIVATIVE INSTRUMENTS

NW Natural

NW Natural enters into financial derivative contracts to hedge a portion of the NGD segment's natural gas sales requirements. These contracts include swaps, options, and combinations of option contracts. These derivative financial instruments are primarily used to manage commodity price variability. A small portion of NW Natural's derivative hedging strategy involves foreign currency forward contracts.

NW Natural enters into these financial derivatives, up to prescribed limits, primarily to hedge price variability related to term physical gas supply contracts as well as to hedge spot purchases of natural gas. The foreign currency forward contracts are used to hedge the fluctuation in foreign currency exchange rates for pipeline demand charges paid in Canadian dollars.

In the normal course of business, NW Natural also enters into indexed-price physical forward natural gas commodity purchase contracts and options to meet the requirements of NGD customers. These contracts qualify for regulatory deferral accounting treatment.

NW Natural also enters into exchange contracts related to the third-party asset management of its gas portfolio, some of which are derivatives that do not qualify for hedge accounting or only partial regulatory deferral, but are subject to NW Natural's regulatory sharing agreement. These derivatives are recognized in operating revenues, net of amounts shared with NGD customers.

Notional Amounts

The following table presents the absolute notional amounts related to open positions on NW Natural derivative instruments:

	 At December 31,									
In thousands	2022		2021							
Natural gas (in therms):										
Financial	852,435		618,815							
Physical	463,254		431,628							
Foreign exchange	\$ 7,617	\$	6,268							

Purchased Gas Adjustment (PGA)

Under the PGA mechanism in Oregon, derivatives entered into by NW Natural for the procurement or hedging of natural gas for future gas years generally receive regulatory deferral accounting treatment. In general, commodity hedging for the current gas year is completed prior to the start of the gas year, and hedge prices are reflected in the weighted-average cost of gas in the PGA filing. Rates and hedging approaches may vary between states due to different rate structures and mechanisms. In addition, as required with the Washington PGA filing, NW Natural incorporated and began implementing risk-responsive hedging strategies for its Washington gas supplies. Hedge contracts entered into after the start of the PGA period are subject to the PGA incentive sharing mechanism in Oregon. NW Natural entered the 2022-23 and 2021-22 gas years with forecasted sales volumes hedged at 67% and 60% in financial swap and option contracts, and 17% and 19% in physical gas supplies, respectively. Hedge contracts entered into after the PGA for the 2022-23 gas year. Hedge contracts entered into after the PGA for the 2022-23 gas year. Hedge contracts entered into after the PGA for the 2022-23 gas year. Hedge contracts entered into after the PGA for the 2022-23 gas year. Hedge contracts entered into after the PGA filing, and related to subsequent gas years, may be included in future PGA filings and qualify for regulatory deferral.

Unrealized and Realized Gain/Loss

The following table reflects the income statement presentation for the unrealized gains and losses from NW Natural's derivative instruments:

	 December 31, 2022				December 31, 2021			
In thousands	latural gas commodity		Foreign exchange		atural gas ommodity		Foreign exchange	
Benefit (expense) to cost of gas	\$ 119,935	\$	(165)	\$	36,539	\$	(26)	
Operating revenues (expense)	_		—		(26)		_	
Amounts deferred to regulatory accounts on balance sheet	(119,935)		165		(36,517)		26	
Total gain (loss) in pre-tax earnings	\$ _	\$		\$	(4)	\$		

Unrealized Gain/Loss

Outstanding derivative instruments related to regulated NGD operations are deferred in accordance with regulatory accounting standards. The cost of foreign currency forward and natural gas derivative contracts are recognized immediately in the cost of gas; however, costs above or below the amount embedded in the current year PGA are subject to a regulatory deferral tariff and therefore, are recorded as a regulatory asset or liability.

Realized Gain/Loss

NW Natural realized net gains of \$107.8 million and \$50.9 million for the years ended December 31, 2022 and 2021, respectively, from the settlement of natural gas financial derivative contracts. Realized gains and losses offset the higher or lower cost of gas purchased, resulting in no incremental amounts to collect or refund to customers.

Credit Risk Management of Financial Derivatives Instruments

No collateral was posted with or by NW Natural counterparties as of December 31, 2022 or 2021. NW Natural attempts to minimize the potential exposure to collateral calls by diversifying counterparties and using credit limits to manage liquidity risk. Counterparties generally allow a certain credit limit threshold before requiring NW Natural to post collateral against unrealized loss positions. Given NW Natural's credit ratings, counterparty credit limits and portfolio diversification, it was not subject to collateral calls in 2022 or 2021. The collateral call exposure is set forth under credit support agreements, which generally contain credit limits. NW Natural could also be subject to collateral call exposure where it has agreed to provide adequate assurance, which is not specific as to the amount of credit limit allowed, but could potentially require additional collateral posting by NW Natural in the event of a material adverse change.

NW Natural's financial derivative instruments are subject to master netting arrangements; however, they are presented on a gross basis in the consolidated balance sheets. NW Natural and its counterparties have the ability to set-off obligations to each other under specified circumstances. Such circumstances may include a defaulting party, a credit change due to a merger affecting either party, or any other termination event.

If netted by counterparty, NW Natural's physical and financial derivative position would result in an asset of \$153.3 million and a liability of \$3.6 million as of December 31, 2022, and an asset of \$51.8 million and a liability of \$3.8 million as of December 31, 2021.

NW Natural is exposed to derivative credit and liquidity risk primarily through securing fixed price natural gas commodity swaps with financial counterparties. NW Natural utilizes master netting arrangements through International Swaps and Derivatives Association contracts to minimize this risk along with collateral support agreements with counterparties based on their credit ratings. Additionally, NW Natural uses counterparty, industry, sector and country diversification to minimize credit risk. In certain cases, NW Natural may require counterparties to post collateral, guarantees, or letters of credit to maintain its minimum credit requirement standards.

NW Natural's financial derivatives policy requires counterparties to have an investment-grade credit rating at the time the derivative instrument is entered into, and specifies limits on the contract amount and duration based on each counterparty's credit rating. NW Natural does not speculate in derivatives. Derivatives are used to reduce NW Natural's net market risk and hedge exposure above risk tolerance limits. It is required that increases in market risk created by the use of derivatives is offset by the exposures they modify.

We actively monitor NW Natural's derivative credit exposure and place counterparties on hold for trading purposes or require other forms of credit assurance, such as letters of credit, cash collateral, or guarantees as circumstances warrant. The ongoing assessment of counterparty credit risk includes consideration of credit ratings, credit default swap spreads, bond market credit spreads, financial condition, government actions, and market news. A Monte Carlo simulation model is used to estimate the change in credit and liquidity risk from the volatility of natural gas prices. The results of the model are used to establish trading limits. NW Natural's outstanding financial derivatives at December 31, 2022 mature by November 1, 2025.

We could become materially exposed to credit risk with one or more of our counterparties if natural gas prices experience a significant increase. If a counterparty were to become insolvent or fail to perform on its obligations, we could suffer a material loss; however, we would expect such a loss to be eligible for regulatory deferral and rate recovery, subject to a prudence review. All of our existing counterparties currently have investment-grade credit ratings.

Fair Value

In accordance with fair value accounting, NW Natural includes non-performance risk in calculating fair value adjustments. This includes a credit risk adjustment based on the credit spreads of NW Natural counterparties when in an unrealized gain position, or on NW Natural's own credit spread when it is in an unrealized loss position. The inputs in our valuation models include natural gas futures, volatility, credit default swap spreads, and interest rates. Additionally, the assessment of non-performance risk is generally derived from the credit default swap market and from bond market credit spreads. The impact of the credit risk adjustments for all financial derivatives outstanding was immaterial to the fair value calculation at December 31, 2022. As of December 31, 2022 and 2021, the net fair value was an asset of \$149.7 million and \$48.0 million, respectively, using significant other observable, or Level 2, inputs. No Level 3 inputs were used in our derivative valuations during the years ended December 31, 2022 and 2021.

NW Holdings

NW Holdings and NWN Water entered into interest rate swap agreements with major financial institutions that effectively convert variable-rate debt to a fixed rate. Interest payments made between the effective date and expiration date are hedged by the swap agreements. The notional amount, effective date, expiration date and rate of the swap agreements are shown in the table below:

In millions	Notio	nal Amount	Effective Date	Expiration Date	Fixed Rate
NW Holdings	\$	100.0	1/17/2023	3/15/2024	4.7 %
NWN Water	\$	55.0	1/19/2023	6/10/2026	3.8 %

Unrealized gains and losses related to these interest rate swap agreements are recorded in AOCI on the consolidated balance sheet and totaled \$129 thousand, net of tax, as of December 31, 2022. There were no amounts reclassified from AOCI to net income during the year ended December 31, 2022.

16. COMMITMENTS AND CONTINGENCIES

Gas Purchase and Pipeline Capacity Purchase and Release Commitments

NW Natural has signed agreements providing for the reservation of firm pipeline capacity under which it is required to make fixed monthly payments for contracted capacity. The pricing component of the monthly payment is established, subject to change, by U.S. or Canadian regulatory bodies, or is established directly with private counterparties, as applicable. In addition, NW Natural has entered into long-term agreements to release firm pipeline capacity. NW Natural also enters into short-term and long-term gas purchase agreements.

In November 2021, NW Natural and a subsidiary of Archaea Energy entered into a long-term RNG purchase and sale agreement. Under the agreement, NW Natural committed to purchase the environmental attributes generated by Archaea related to up to ten million therms of RNG annually from its portfolio of RNG production facilities for a fixed fee for a period of 21 years. The agreement commenced in 2022, with the full annual quantity beginning in 2025.

The aggregate amounts of these agreements at NW Natural were as follows at December 31, 2022:

In thousands	Gas Purchase Agreements ⁽¹⁾		Pipeline Capacity Purchase Agreements		Pipeline Capacity Release Agreements
2023	\$ 400,370	\$	81,691	\$	8,154
2024	6,376		77,327		7,474
2025	6,426		78,493		3,397
2026	12,003		66,782		—
2027	11,330		66,906		—
Thereafter	 189,050		432,464		_
Total	625,555		803,663		19,025
Less: Amount representing interest	 86,250		200,243		989
Total at present value	\$ 539,305	\$	603,420	\$	18,036

⁽¹⁾ Gas purchase agreements include environmental attributes of RNG.

Total fixed charges under capacity purchase agreements were \$90.2 million for 2022, \$82.9 million for 2021, and \$81.8 million for 2020, of which \$8.3 million, \$7.7 million, and \$4.8 million, respectively, related to capacity releases. In addition, per-unit charges are required to be paid based on the actual quantities shipped under the agreements. In certain take-or-pay purchase commitments, annual deficiencies may be offset by prepayments subject to recovery over a longer term if future purchases exceed the minimum annual requirements.

<u>Leases</u>

Refer to Note 7 for a discussion of lease commitments and contingencies.

Environmental Matters

Refer to Note 17 for a discussion of environmental commitments and contingencies.

17. ENVIRONMENTAL MATTERS

NW Natural owns, or previously owned, properties that may require environmental remediation or action. The range of loss for environmental liabilities is estimated based on current remediation technology, enacted laws and regulations, industry experience gained at similar sites, and an assessment of the probable level of involvement and financial condition of other potentially responsible parties (PRPs). When amounts are prudently expended related to site remediation of those sites described herein, NW Natural has recovery mechanisms in place to collect 96.7% of remediation costs allocable to Oregon customers and 3.3% of costs allocable to Washington customers.

These sites are subject to the remediation process prescribed by the Environmental Protection Agency (EPA) and the Oregon Department of Environmental Quality (ODEQ). The process begins with a remedial investigation (RI) to determine the nature and extent of contamination and then a risk assessment (RA) to establish whether the contamination at the site poses unacceptable risks to humans and the environment. Next, a feasibility study (FS) or an engineering evaluation/cost analysis (EE/CA) evaluates various remedial alternatives. It is at this point in the process when NW Natural is able to estimate a range of remediation costs and record a reasonable potential remediation liability, or make an adjustment to the existing liability. From this study, the regulatory agency selects a remedy and issues a Record of Decision (ROD). After a ROD is issued, NW Natural would seek to negotiate a consent decree or consent judgment for designing and implementing the remedy. NW Natural would have the ability to further refine estimates of remediation liabilities at that time.

Remediation may include treatment of contaminated media such as sediment, soil and groundwater, removal and disposal of media, institutional controls such as legal restrictions on future property use, or natural recovery. Following construction of the remedy, the EPA and ODEQ also have requirements for ongoing maintenance, monitoring and other post-remediation care that may continue for many years. Where appropriate and reasonably known, NW Natural will provide for these costs in the remediation liabilities described below.

Due to the numerous uncertainties surrounding the course of environmental remediation and the preliminary nature of several site investigations, in some cases, NW Natural may not be able to reasonably estimate the high end of the range of possible loss. In those cases, the nature of the possible loss has been disclosed, as has the fact that the high end of the range cannot be reasonably estimated where a range of potential loss is available. Unless there is an estimate within the range of possible losses that is more likely than other cost estimates within that range, NW Natural records the liability at the low end of this range. It is likely changes in these estimates and ranges will occur throughout the remediation process for each of these sites due to the continued evaluation and clarification concerning responsibility, the complexity of environmental laws and regulations and the determination by regulators of remediation alternatives. In addition to remediation costs, NW Natural could also be subject to

Natural Resource Damages (NRD) claims. NW Natural will assess the likelihood and probability of each claim and recognize a liability if deemed appropriate. Refer to "Other Portland Harbor" below.

Environmental Sites

The following table summarizes information regarding liabilities related to environmental sites, which are recorded in other current liabilities and other noncurrent liabilities in NW Natural's balance sheet at December 31:

	Current Liabilities			Non-Curren			abilities	
In thousands	2022		2021		2022		2021	
Portland Harbor site:								
Gasco/Siltronic Sediments	\$	9,744	\$	7,582	\$	42,120	\$	42,076
Other Portland Harbor		2,634		2,592		11,270		9,570
Gasco/Siltronic Upland site		16,067		15,711		35,457		36,215
Front Street site		457		1,100		879		811
Oregon Steel Mills						179		179
Total	\$	28,902	\$	26,985	\$	89,905	\$	88,851

Portland Harbor Site

The Portland Harbor is an EPA listed Superfund site that is approximately 10 miles long on the Willamette River and is adjacent to NW Natural's Gasco uplands site. NW Natural is one of over one hundred PRPs, each jointly and severally liable, at the Superfund site. In January 2017, the EPA issued its Record of Decision, which selects the remedy for the clean-up of the Portland Harbor site (Portland Harbor ROD). The Portland Harbor ROD estimates the present value total cost at approximately \$1.05 billion with an accuracy between -30% and +50% of actual costs.

NW Natural's potential liability is a portion of the costs of the remedy for the entire Portland Harbor Superfund site. The cost of that remedy is expected to be allocated among more than one hundred PRPs. NW Natural is participating in a non-binding allocation process with other PRPs in an effort to resolve its potential liability. The Portland Harbor ROD does not provide any additional clarification around allocation of costs among PRPs; accordingly, NW Natural has not modified any of the recorded liabilities at this time as a result of the issuance of the Portland Harbor ROD.

NW Natural manages its liability related to the Superfund site as two distinct remediation projects, the Gasco Sediments Site and Other Portland Harbor projects.

GASCO SEDIMENTS. In 2009, NW Natural and Siltronic Corporation entered into a separate Administrative Order on Consent with the EPA to evaluate and design specific remedies for sediments adjacent to the Gasco uplands and Siltronic uplands sites. NW Natural submitted a draft EE/CA to the EPA in May 2012 to provide the estimated cost of potential remedial alternatives for this site. In March 2020, NW Natural and the EPA amended the Administrative Order on Consent to include additional remedial design activities downstream of the Gasco sediments site and in the navigation channel. Siltronic Corporation is not a party to the amended order. In the second quarter of 2021, NW Natural began preliminary design discussions with the EPA for the Gasco sediments site. These preliminary design discussions did not include a cost estimate for cleanup. No design alternatives are more likely than the EE/CA alternatives at this time, and NW Natural expects further design discussion and iteration with the EPA.

The estimated costs for the various sediment remedy alternatives in the draft EE/CA for the additional studies and design work needed before the cleanup can occur, and for regulatory oversight throughout the cleanup range from \$51.9 million to \$350 million. NW Natural has recorded a liability of \$51.9 million for the Gasco sediment clean-up, which reflects the low end of the range. At this time, we believe sediments at the Gasco sediments site represent the largest portion of NW Natural's liability related to the Portland Harbor site discussed above.

OTHER PORTLAND HARBOR. While we believe liabilities associated with the Gasco sediments site represent NW Natural's largest exposure, there are other potential exposures associated with the Portland Harbor ROD, including NRD costs and harborwide remedial design and cleanup costs (including downstream petroleum contamination), for which allocations among the PRPs have not yet been determined.

NW Natural and other parties have signed a cooperative agreement with the Portland Harbor Natural Resource Trustee council to participate in a phased NRD assessment to estimate liabilities to support an early restoration-based settlement of NRD claims. One member of this Trustee council, the Yakama Nation, withdrew from the council in 2009, and in 2017, filed suit against NW Natural and 29 other parties seeking remedial costs and NRD assessment costs associated with the Portland Harbor site, set forth in the complaint. The complaint seeks recovery of alleged costs totaling \$0.3 million in connection with the selection of a remedial action for the Portland Harbor site as well as declaratory judgment for unspecified future remedial action costs and for costs to assess the injury, loss or destruction of natural resources resulting from the release of hazardous substances at and from the Portland Harbor site. The Yakama Nation has filed two amended complaints addressing certain pleading defects and

dismissing the State of Oregon. On the motion of NW Natural and certain other defendants the federal court has stayed the case pending the outcome of the non-binding allocation proceeding discussed above. NW Natural has recorded a liability for NRD claims which is at the low end of the range of the potential liability; the high end of the range cannot be reasonably estimated at this time. The NRD liability is not included in the aforementioned range of costs provided in the Portland Harbor ROD.

Gasco Uplands Site

A predecessor of NW Natural, Portland Gas and Coke Company, owned a former gas manufacturing plant that was closed in 1958 (Gasco site) and is adjacent to the Portland Harbor site described above. The Gasco site has been under investigation by NW Natural for environmental contamination under the ODEQ Voluntary Cleanup Program (VCP). It is not included in the range of remedial costs for the Portland Harbor site noted above. The Gasco site is managed in two parts, the uplands portion and the groundwater source control action.

NW Natural submitted a revised Remedial Investigation Report for the uplands to ODEQ in May 2007. In March 2015, ODEQ approved the Risk Assessment (RA) for this site, enabling commencement of work on the FS in 2016. NW Natural has recognized a liability for the remediation of the uplands portion of the site which is at the low end of the range of potential liability; the high end of the range cannot be reasonably estimated at this time.

In October 2016, ODEQ and NW Natural agreed to amend their VCP agreement for the Gasco uplands to incorporate a portion of the Siltronic property formerly owned by Portland Gas & Coke between 1939 and 1960 into the Gasco RA and FS. Previously, NW Natural was conducting an investigation of manufactured gas plant constituents on the entire Siltronic uplands for ODEQ. Siltronic will be working with ODEQ directly on environmental impacts to the remainder of its property.

In September 2013, NW Natural completed construction of a groundwater source control system, including a water treatment station, at the Gasco site. NW Natural has estimated the cost associated with the ongoing operation of the system and has recognized a liability which is at the low end of the range of potential cost. NW Natural cannot estimate the high end of the range at this time due to the uncertainty associated with the duration of running the water treatment station, which is highly dependent on the remedy determined for both the upland portion as well as the final remedy for the Gasco sediments site.

Other Sites

In addition to those sites above, NW Natural has environmental exposures at three other sites: Central Service Center, Front Street and Oregon Steel Mills. NW Natural may have exposure at other sites that have not been identified at this time. Due to the uncertainty of the design of remediation, regulation, timing of the remediation and in the case of the Oregon Steel Mills site, pending litigation, liabilities for each of these sites have been recognized at their respective low end of the range of potential liability; the high end of the range could not be reasonably estimated at this time.

FRONT STREET SITE. The Front Street site was the former location of a gas manufacturing plant NW Natural operated (the former Portland Gas Manufacturing site, or PGM). At ODEQ's request, NW Natural conducted a sediment and source control investigation and provided findings to ODEQ. In December 2015, an FS on the former Portland Gas Manufacturing site was completed.

In July 2017, ODEQ issued the PGM ROD. The ROD specifies the selected remedy, which requires a combination of dredging, capping, treatment, and natural recovery. In addition, the selected remedy also requires institutional controls and long-term inspection and maintenance. Construction of the remedy began in July 2020 and was completed in October 2020. The first year of post-construction monitoring was completed in 2021 and demonstrated that the cap was intact and performing as designed. NW Natural has recognized an additional liability of \$1.3 million for costs associated with the discovery during construction of World War II-era munitions, design costs, regulatory and permitting issues, and post-construction work.

OREGON STEEL MILLS SITE. Refer to "Legal Proceedings," below.

Environmental Cost Deferral and Recovery

NW Natural has authorizations in Oregon and Washington to defer costs related to remediation of properties that are owned or were previously owned by NW Natural. In Oregon, a Site Remediation and Recovery Mechanism (SRRM) is currently in place to recover prudently incurred costs allocable to Oregon customers, subject to an earnings test. On October 21, 2019 the WUTC authorized an Environmental Cost Recovery Mechanism (ECRM) for recovery of prudently incurred costs allocable to Washington customers beginning November 1, 2019.

The following table presents information regarding the total regulatory asset deferred as of December 31:

In thousands	2022		2021
Deferred costs and interest ⁽¹⁾	\$ 47,666	\$	45,122
Accrued site liabilities ⁽²⁾	118,763		115,773
Insurance proceeds and interest	(54,784)	(59,564)
Total regulatory asset deferral ⁽¹⁾	\$ 111,645	\$	101,331
Current regulatory assets ⁽³⁾	\$ 7,392	\$	6,694
Long-term regulatory assets ⁽³⁾	\$ 104,253	\$	94,636

⁽¹⁾ Includes pre-review and post-review deferred costs, amounts currently in amortization, and interest, net of amounts collected from customers.

- (2) Excludes 3.3% of the Front Street site liability as the OPUC only allows recovery of 96.7% of costs for those sites allocable to Oregon, including those that historically served only Oregon customers. Amounts excluded from regulatory assets were \$43 thousand in 2022 and \$62 thousand in 2021.
- (3) Environmental costs relate to specific sites approved for regulatory deferral by the OPUC and WUTC. In Oregon, NW Natural earns a carrying charge on cash amounts paid, whereas amounts accrued but not yet paid do not earn a carrying charge until expended. It also accrues a carrying charge on insurance proceeds for amounts owed to customers. In Washington, neither the cash paid nor insurance proceeds received accrue a carrying charge. Current environmental costs represent remediation costs management expects to collect from customers in the next 12 months. Amounts included in this estimate are still subject to a prudence and earnings test review by the OPUC and do not include the \$5.0 million tariff rider. The amounts allocable to Oregon are recoverable through NGD rates, subject to an earnings test. See "Oregon SRRM" below.

Oregon SRRM

Collections From Oregon Customers

Under the SRRM collection process, there are three types of deferred environmental remediation expense:

- Pre-review This class of costs represents remediation spend that has not yet been deemed prudent by the OPUC. Carrying
 costs on these remediation expenses are recorded at NW Natural's authorized cost of capital. NW Natural anticipates the
 prudence review for annual costs and approval of the earnings test prescribed by the OPUC to occur by the third quarter of
 the following year.
- Post-review This class of costs represents remediation spend that has been deemed prudent and allowed after applying the earnings test, but is not yet included in amortization. NW Natural earns a carrying cost on these amounts at a rate equal to the five-year treasury rate plus 100 basis points.
- Amortization This class of costs represents amounts included in current customer rates for collection and is generally calculated as one-fifth of the post-review deferred balance. NW Natural earns a carrying cost equal to the amortization rate determined annually by the OPUC, which approximates a short-term borrowing rate.

In addition to the collection amount noted above, an order issued by the OPUC provides for the annual collection of \$5.0 million from Oregon customers through a tariff rider. As NW Natural collects amounts from customers, it recognizes these collections as revenue and separately amortizes an equal and offsetting amount of its deferred regulatory asset balance through the environmental remediation operating expense line shown separately in the operating expense section of the income statement.

NW Natural received total environmental insurance proceeds of approximately \$150 million as a result of settlements from litigation that was dismissed in July 2014. Under a 2015 OPUC order which established the SRRM, one-third of the Oregon allocated proceeds were applied to costs deferred through 2012 with the remaining two-thirds applied to costs at a rate of \$5.0 million per year plus interest over the following 20 years. NW Natural accrues interest on the Oregon allocated insurance proceeds in the customer's favor at a rate equal to the five-year treasury rate plus 100 basis points. As of December 31, 2022, NW Natural has applied \$95.0 million of insurance proceeds to prudently incurred remediation costs allocated to Oregon.

Environmental Earnings Test

To the extent NW Natural earns at or below its authorized Return on Equity (ROE) as defined by the SRRM, remediation expenses and interest in excess of the \$5.0 million tariff rider and \$5.0 million insurance proceeds are recoverable through the SRRM. To the extent NW Natural earns more than its authorized ROE in a year, it is required to cover environmental expenses and interest on expenses greater than the \$10.0 million with those earnings that exceed its authorized ROE.

Washington ECRM

Washington Deferral

On October 21, 2019, the WUTC issued an order (WUTC Order) establishing the ECRM which allows for recovery of past deferred and future prudently incurred environmental remediation costs allocable to Washington customers through application of insurance proceeds and collections from customers. Environmental remediation expenses relating to sites that previously served both Oregon and Washington customers are allocated between states with Washington customers receiving 3.3% percent of the costs and insurance proceeds.

In accordance with the WUTC Order, insurance proceeds were fully applied to costs incurred between December 2018 and June 2019 that were deemed prudent. Remaining insurance proceeds will be amortized over a 10.5 year period ending December 31, 2029. As of December 31, 2022, approximately \$3.9 million of proceeds have been applied to prudently incurred costs.

On an annual basis, NW Natural files for a prudence determination and a request to amortize costs to the extent that remediation expenses exceed the insurance amortization. After insurance proceeds are fully amortized, if in a particular year the request to collect deferred amounts exceeds one percent of Washington normalized revenues, then the excess will be collected over three years with interest.

Legal Proceedings

NW Holdings is not currently party to any direct claims or litigation, though in the future it may be subject to claims and litigation arising in the ordinary course of business.

NW Natural is subject to claims and litigation arising in the ordinary course of business, including the matters discussed above. Although the final outcome of any of these legal proceedings cannot be predicted with certainty, including the matter relating to the Oregon Steel Mills site referenced below, NW Natural and NW Holdings do not expect that the ultimate disposition of any of these matters will have a material effect on their financial condition, results of operations, or cash flows. See also Part II, Item 1, "Legal Proceedings".

Oregon Steel Mills Site

In 2004, NW Natural was served with a third-party complaint by the Port of Portland (the Port) in a Multnomah County Circuit Court case, Oregon Steel Mills, Inc. v. The Port of Portland. The Port alleges that in the 1940s and 1950s petroleum wastes generated by NW Natural's predecessor, Portland Gas & Coke Company, and 10 other third-party defendants, were disposed of in a waste oil disposal facility operated by the United States or Shaver Transportation Company on property then owned by the Port and now owned by Evraz Oregon Steel Mills. The complaint seeks contribution for unspecified past remedial action costs incurred by the Port regarding the former waste oil disposal facility as well as a declaratory judgment allocating liability for future remedial action costs. No date has been set for trial. In August 2017, the case was stayed pending the outcome of the Portland Harbor allocation process or other mediation. Although the final outcome of this proceeding cannot be predicted with certainty, NW Natural and NW Holdings do not expect the ultimate disposition of this matter will have a material effect on NW Natural's or NW Holdings' financial condition, results of operations, or cash flows.

For additional information regarding other commitments and contingencies, see Note 16.

18. DISCONTINUED OPERATIONS

NW Holdings

On June 20, 2018, NWN Gas Storage, then a wholly-owned subsidiary of NW Natural, entered into a Purchase and Sale Agreement (the Agreement) that provided for the sale by NWN Gas Storage of all of the membership interests in Gill Ranch. Gill Ranch owns a 75% interest in the natural gas storage facility located near Fresno, California known as the Gill Ranch Gas Storage Facility.

On December 4, 2020, NWN Gas Storage closed the sale of all of the membership interests in Gill Ranch and received payment of the initial cash purchase price of \$13.5 million less the \$1.0 million deposit previously paid. Furthermore, additional payments to NWN Gas Storage may be made subject to a maximum amount of \$15.0 million in the aggregate (subject to a working capital adjustment) based on the economic performance of Gill Ranch for each full gas storage year (April 1 of one year through March 31 of the following year) occurring after the closing and the remaining portion of the 2020-2021 gas storage year and will continue until such time as the maximum amount has been paid. The fair value of this arrangement at the closing date was zero based on a discounted cash flow forecast. Subsequent changes in the fair value will be recorded in earnings. The completion of the sale resulted in an after-tax gain of \$5.9 million for the year ended December 31, 2020.

The following table presents the operating results of Gill Ranch and is presented net of tax on NW Holdings' consolidated statements of comprehensive income:

	NW Holdings continued Operations	
In thousands	2020	
Revenues	\$ 10,193	
Expenses		
Operations and maintenance	7,931	
General taxes	198	
Depreciation	391	
Other expenses and interest	848	
Total expenses	9,368	
Income from discontinued operations	 825	
Gain on sale of discontinued operations	8,027	
Income from discontinued operations before income tax	 8,852	
Income tax expense ⁽¹⁾	2,344	
Income from discontinued operations, net of tax	\$ 6,508	

⁽¹⁾ Includes income tax expense of \$2.1 million related to the sale of Gill Ranch for the year ended December 31, 2020.

As a result of the disposition of the membership interests of Gill Ranch, there were no assets or liabilities classified as held for sale at December 31, 2020.

19. SUBSEQUENT EVENT

On January 6, 2023, NW Natural issued and sold \$100.0 million aggregate principal amount of its FMBs, 5.43% Series due January 6, 2053 (the Bonds), to certain institutional investors pursuant to a Bond Purchase Agreement dated December 13, 2022. The Bonds bear interest at the rate of 5.43% per annum, payable semi-annually on January 6 and July 6 of each year, commencing July 6, 2023, and will mature on January 6, 2053. The Bonds will be subject to redemption prior to maturity at the option of NW Natural, in whole or in part, (i) at any time prior to July 6, 2052, at a redemption price equal to 100% of the principal amount thereof plus a "make-whole" premium and accrued and unpaid interest thereon to the date of redemption, and (ii) at any time on and after July 6, 2052, at 100% of the principal amount thereof plus accrued and unpaid interest thereon to the date of redemption.

The Bond Purchase Agreement also provides for the issuance of \$80.0 million aggregate principal amount of NW Natural's FMBs, 5.18% Series due 2034 (5.18% Bonds) and \$50.0 million aggregate principal amount of NW Natural's FMBs, 5.23% Series due 2038 (5.23% Bonds). The 5.18% Bonds and the 5.23% Bonds are expected to be issued on or about August 4, 2023.

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Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🛛 A Resubmission		December 31, 2022

SUN	IMARY OF UTILITY PLANT AND ACCUMULATED PROVISIONS FOR DEPRECIATION, AND DEPLETION	AMORTIZATION
Line	Item	Total
No.	(a)	(b)
1	UTILITY PLANT	
2	In Service	
3	Plant in Service (Classified)	2,941,420,612
4	Property Under Capital Leases	88,409,922
5	Plant Purchased or Sold	
6	Completed Construction not Classified	1,213,902,929
7	Experimental Plant Unclassified	
8	TOTAL Utility Plant (Total of lines 3 thru 7)	4,243,733,463
9	Leased to Others	
10	Held for Future Use	970,068
11	Construction Work in Progress	79,534,553
12	Acquisition Adjustments	
13	TOTAL Utility Plant (Total of lines 8 thru 12)	4,324,238,084
14	Accumulated Provisions for Depreciation, Amortization, & Depletion	1,616,323,721
15	Net Utility Plant (Enter Total of line 13 less 14)	2,707,914,363
16	DETAIL OF ACCUMULATED PROVISIONS FOR DEPRECIATION, AMORTIZATION AND DEPLETION	
17	In Service:	
18	Depreciation	1,586,308,843
19	Amortization and Depl. of Producing Natural Gas Land and Land Rights	
20	Amortization. of Underground Storage Land and Land Rights	68,207
21	Amortization. of Other Utility Plant	96,710,861
22	Salvage Work In Progress	
23	Less Removal Work In Progress	66,764,190
24	TOTAL In Service (Total of lines 18 thru 22 less line 23)	1,616,323,721
25	Leased to Others	
26	Depreciation	_
27	Amortization and Depletion	_
28	TOTAL Leased to Others (Total of lines 26 and 27)	_
29	Held for Future Use	
30	Depreciation	_
31	Amortization	_
32	TOTAL Held for Future Use (Total of lines 30 and 31)	_
33	Abandonment of Leases (Natural Gas)	_
34	Amortization of Plant Acquisition Adjustment	
35	TOTAL Accumulated Provisions (Should agree with line 14 above) (Total of lines 24, 28, 32, 33, and 34)	1,616,323,721

Name of Respondent	This Report is:	Date of Report	Year of Report	
	(1) 🗵 An Original	(Mo, Da, Yr)		
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022	

SUMMARY OF UTILITY F	LANT AND ACCUMULATED	PROVISIONS FOR DEP	RECIATION, AMORT	IZATION
Electric	Gas	Other (Specify)	Common	Line
(c)	(d)	(e)	(f)	No.
				1
				2
	2,941,420,612			3
	88,409,922			4
				5
	1,213,902,929			6
				7
	4,243,733,463			8
				9
	970,068			10
	79,534,553			11
				12
	4,324,238,084			13
	1,616,323,721			14
	2,707,914,363			15
				16
				17
	1,586,308,843			18
				19
	68,207			20
	96,710,861			21
				22
	66,764,190			23
	1,616,323,721			24
	· · · ·			25
	_			26
	_			27
	_			28
				29
				30
	_			31
	_			32
	_			33
	_			34
	1,616,323,721			35

Name of Respondent	This Report is:	Date of Report	Year of Report	
	(1) 🗵 An Original	(Mo, Da, Yr)		
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022	

Gas Plant in Service (Accounts 101, 102, 103, and 106)

1. Report below the original cost of gas plant in service according to the prescribed accounts.

2. In addition to Account 101, Gas Plant in Service (Classified), this page and the next include Account 102, Gas Plant Purchased or Sold, Account 103, Experimental Gas Plant Unclassified, and Account 106, Completed Construction Not Classified-Gas.

3. Include in column (c) and (d), as appropriate corrections of additions and retirements for the current or preceding year.

4. Enclose in parenthesis credit adjustments of plant accounts to indicate the negative effect of such accounts.

5. Classify Account 106 according to prescribed accounts, on an estimated basis if necessary, and include the entries in column (c). Also to be included in column (c) are entries for reversals of tentative distributions of prior year reported in column (b). Likewise, if the respondent has a significant amount of plant retirements which have not been classified to primary accounts at the end of the year, include in column (d) a tentative distribution of such retirements, on an estimated basis, with appropriate contra entry to the account for accumulated depreciation provision. Include also in column (d) reversals of tentative distributions of prior year's unclassified retirements. Attach supplemental statement showing the account distributions of these tentative classifications in columns (c) and (d), including the reversals of the prior years tentative account distributions of these amounts. Careful observance of the above instructions and the texts of Account 101 and 106 will avoid serious omissions of respondent's reported amount for plant actually in service at end of year.

6. Show in column (f) reclassifications or transfers within utility plant accounts. Include also in column (f) the additions or reductions of primary account classifications arising from distribution of amounts initially recorded in Account 102. In showing the clearance of Account 102, include in column (e) the amounts with respect to accumulated provision for depreciation, acquisition adjustments, etc., and show in column (f) only the offset to the debits or credits to primary account classifications.

7. For Account 399, state the nature and use of plant included in this account and if substantial in amount submit a supplementary statement showing subaccount classification of such plant conforming to the requirements of these pages.

8. For each amount comprising the reported balance and changes in Account 102, state the property purchased or sold, name of vendor or purchaser, and date of transaction. If proposed journal entries have been filed with the Commission as required by the Uniform System of Accounts, give date of such filing.

SEE FOLLOWING PAGES

ACCOUNT SUMMARY BY FUNCTIONAL CLASS

NW Natural

						Period Beginning: Period Ending:	January 202 December 202
Functional	l Class	Beginning					Ending
FERC PI	ant Account	Balance	Additions	Retirements	Transfers	Adjustments	Balance*
UTILITY							
Intangible	Plant						
301	ORGANIZATION	1,174	_	_	_	_	1,174
302	FRANCHISES & CONSENTS	83,621	_	_	_	_	83,62
303.1	COMPUTER SOFTWARE	129,271,831	15,030,652	(27,842,196)	_	_	116,460,287
303.11	COMPUTER SW HORIZON	_	47,100,838	_	_	_	47,100,838
303.12	COMPUTER SW TSA SECURITY DIRECTIVE	_	6,653,764	_	_	_	6,653,764
303.2	CUSTOMER INFORMATION SYSTEM	32,348,168	_	_	_	_	32,348,168
303.3	INDUSTRIAL & COMMERCIAL BIL	4,146,951	_	_	_	_	4,146,95 [,]
303.6	NMEP COMPUTER SOFTWARE	784,350	_	_		_	784,350
303.7	CLOUD-BASED SOFTWARE	11,671,585	4,970,971	_	_	_	16,642,55
303.71	CLOUD-BASED SW HORIZON	_	23,987,694	_		_	23,987,694
303.72	CLOUD-BASED SW TSA SECURITY DIRECTIVE	_	1,128,717	_	_	_	1,128,717
303.8	NWN ONLY NMEP COMPUTER SSOFTWARE	1,741	· · · _	_	_	_	1,74
	Intangible Plant Subtotal*	178,309,420	98,872,636	(27,842,196)		_	249,339,860
Production	n Plant - Oil Gas						
303.1	COMPUTER SOFTWARE	_	_	_		_	_
304.1	LAND	24,998	_	_		_	24,998
305.2	P P O G STRU & IMPR-SEWER S		_	_		_	24,000
305.5	P P O G STRU & IMPR-OTHER Y	13,156	_	_		_	13,150
312.3	P P O G FUEL HANDLING AND S		_	_	_	_	
318.3	P P O G LIGHT OIL REFINING	144,896	_	_	_	_	144,890
318.5	P P O G TAR PROCESSING	243,551	_	_	_	_	243,55 ⁴
325	NATURAL GAS PROD AND GATHER	· —	_	_	_	_	_
327	NATURAL GAS PROD & GATHERIN	_	_	_	_	_	_
328	NATURAL GAS PROD AND GATHER	_	_	_	_	_	-
331	NATURAL GAS PROD & GATHERIN	_	—	_	_	_	-
332	NATURAL GAS PROD & GATHERIN	—	—	_	_	_	-
333	NATURAL GAS PROD & GATHERIN	—	—	—	_	—	_
334	NATURAL GAS PROD & GATHERIN	_					
	Production Plant - Oil Gas Subtotal*	426,601	—	—	_	—	426,601
Production	n Plant - Other						
305.11	GAS PRODUCTION - COTTAGE G	8,320	—	_	_	—	8,320
305.17	STRUCTURES MIXING STATION	46,587	—	_	_	—	46,587
311	P P OTHER-LIQUEFIED PETROLE	_	_	—	_	_	-
311.4	P P OTHER-L P G GRANGER	—	_	—	_	—	-
311.7	LIQUIFIED GAS EQUIPMENT COO	4,033	_	—	_	_	4,033
311.8	LIQUIFIED GAS EQUIPMENT LIN	4,209	_	—	_	—	4,209
319	GAS MIXING EQUIPMENT GASCO	185,448	_	_			185,448
	Production Plant - Other Subtotal*	248,597				_	248,597

* May not foot due to rounding. Oregon and Washington - Account 101/106

ACCOUNT SUMMARY BY FUNCTIONAL CLASS

NW Natural

						Period Beginning: Period Ending:	January 2022 December 2022
Functional Class		Beginning					Ending
FERC PI	lant Account	Balance	Additions	Retirements	Transfers	Adjustments	Balance*
UTILITY							
Natural Ga	as Underground Storage						
350.1	LAND	106,549	_	_	_	_	106,549
350.2	RIGHTS-OF-WAY	109,625	_	_	_	_	109,625
350.3	NMEP RIGHTS-OF-WAY	538,145	_	_	_	_	538,14
350.4	NMEP LAND	461,268	_	_	_	_	461,268
350.5	NWN ONLY NMEP RIGHTS-OF-WAY	2,611	_	_	_	_	2,61 ⁻
350.6	NWN ONLY NMEP LAND	3,047	_	_	_	_	3,047
351	STRUCTURES AND IMPROVEMENTS	8,919,522	232,028	_	_	_	9,151,550
351.1	NMEP STRUCTURES AND IMPROVEMENTS	11,709,397	1,742,515	_	_	_	13,451,912
351.2	NWN ONLY NMEP STRUCTURES AND IMPROVEMENTS	34,890	_	_	_	_	34,890
352	WELLS	31,497,831	4,189,394	_	_	_	35,687,22
352.1	STORAGE LEASEHOLD & RIGHTS	3,938,491	_	_	_	_	3,938,49 [.]
352.2	RESERVOIRS	7,272,553	_	_	_	_	7,272,55
352.3	NON-RECOVERABLE NATURAL GAS	6,440,890	_	_	_	_	6,440,89
352.4	NMEP WELLS	17,119,662	5,617	_	_	_	17,125,27
352.5	NMEP STORAGE LEASEHOLD & RIGHTS	2,642,483	6,054	_	_	_	2,648,53
352.6	NMEP RESERVOIRS	2,642,483	6,054	_	_	_	2,648,53
352.7	NMEP NON-RECOVERABLE NATURAL GAS	2,696,233	6,237	_	_	_	2,702,47
352.8	NWN ONLY NMEP WELLS	89,656	_	_	_	_	89,65
352.9	NWN ONLY NMEP STORAGE LEASEHOLD & RIGHTS	15,450	_	_	_	_	15,45
352.10	NWN ONLY NMEP RESERVOIRS	15,450	_	_	_	_	15,450
352.11	NWN ONLY NMEP NON-RECOVERABLE NATURAL GAS	15,886	_	_	_	_	15,880
353	LINES	8,211,418	1,348,338	_	_	_	9,559,750
353.1	NMEP LINES	459,584	—	—	_	_	459,584
353.2	NWN ONLY NMEP LINES	1,741	_	_	_	_	1,74
354	COMPRESSOR STATION EQUIPMENT	27,592,775	2,644,786	—	_	_	30,237,56
354.7	NMEP COMPRESSOR STATION EQUIPMENT	23,166,410	—	—	_	_	23,166,41
354.8	NWN ONLY NMEP COMPRESSOR STATION EQUIPMENT	238,430	—	—	_	_	238,43
355	MEASURING / REGULATING EQUIPM	17,013,339	11,169,468	—	_	_	28,182,80
355.1	NMEP MEASURING / REGULATING EQUIPMENT	10,762,340	889,077	—	—	_	11,651,41
355.2	NWN ONLY NMEP MEASURING / REGULATING EQUIPM	67,604	—	—	—	_	67,604
356	PURIFICATION EQUIPMENT	28,464,761	345,224	_	_	_	28,809,98
356.1	NMEP PURIFICATION EQUIPMENT	6,652,661	335,530	_	_	_	6,988,19
357	OTHER EQUIPMENT	5,084,949	113,567	—	—	—	5,198,51
	Natural Gas Underground Storage Subtotal*	223,988,136	23,033,888	_	_	_	247,022,023

ACCOUNT SUMMARY BY FUNCTIONAL CLASS NW Natural

Functional Class Beginning Ending TUTLITY Balance Additions Retirements Transfers Adjustments Balance' UTLITY LOCAL STORAGE PLANT 33.5938 - - - 35.633 360.11 LAND - LNG LINNTON \$3.5938 - - - 35.6433 360.12 LAND - LNG NEWPORT \$36.633 - - - 108.557 360.11 STRUCTURES & MIROVEMENTS 12.86.441 - - - 12.284.771 361.12 STRUCTURES & MIROVEMENTS 28.757 - - - 12.284.713 362.12 GAS HOLDERS - LNG NEWFORT 5.927.104 - - - 4.585.664 362.21 GAS HOLDERS - LNG NEWFORT 5.927.104 - - - 2.93.713 363.21 VADRIZHA COMPRET 1.600 - - - 4.43.85.664 363.22 VADRIZHO NE GUIP - LINNTON 1.991.93.66.562.936 - - 2.95.73.33.3.5.3.5.5.5.5.5.3.3.5.5.5.5.5.							Period Beginning: Period Ending:	January 2022 December 2022
FERC Plant Account Balance Additions Retirements Transfers Adjustments Balance 300.11 LAND - LNA ELINNTON 83.398 – – – 83.583 300.12 LAND - LNA ELINNTON 83.6433 – – – 936.433 300.12 LAND - CON ENPORT 10.6557 – – – 112.254.77 361.11 STRUCTURES & IMPROVEMENTS 10.802.745 1.452.034 – – 12.195.41 361.11 STRUCTURES & IMPROVEMENTS 12.565.064 – – – 26.757 362.12 GAS HOLDERS - LNG UNETON 4.556.064 – – – 1.206.937 363.21 LOB RES - LNG OTHER 1.600 – – – 1.900 363.11 LUDEFACTION EQUIP - LEWPORT 5.927.104 – – 1.900 363.21 CAS HOLDERS - LNG OTHER 1.600 – – – 2.253.33 363.21 LOBEFACTION EQUIP - LEWPORT 6.718.209 – <th>Functiona</th> <th>l Class</th> <th>Beginning</th> <th></th> <th></th> <th></th> <th>r enoù Ending.</th> <th></th>	Functiona	l Class	Beginning				r enoù Ending.	
UTULITY LOCAL STORAGE PLANT 360.11 LAND - LNG LINNTON 83.596 360.12 LAND - UNG INEWPORT 536.433 360.22 LAND - OTHER 106.557 361.11 STRUCTURES & IMPROVEMENTS 10.802.745 361.22 STRUCTURES & IMPROVEMENTS 12.196.541 361.21 STRUCTURES & IMPROVEMENTS 28.757 362.11 GAS HOLDERS - LNG NEWPORT 5.927.104 362.21 GAS HOLDERS - LNG NEWPORT 5.927.904 362.21 GAS HOLDERS - LNG NEWPORT 1.900 362.21 GAS HOLDERS - LNG NEWPORT 1.900 363.21 LADEFACTINE DOLIP - LINNTON 4458.615 363.22 VAPORIZING EQUIP - LINNTON 1.917.9161 223.033 363.21 VAPORIZING EQUIP - LINNTON 1.917.9161 23.016.927.91 363.31 COMPRESSOR EQUIP - LINNTON 1.917.9163 -				Additions	Retirements	Transfers	Adjustments	•
180.11 LAND - LNG LUNNTON 83,598 — — — — — 33,393 350.12 LAND - UNG KUPPORT 156,433 — — — — 106,557 361.11 STRUCTURES & IMPROVEMENTS 10,602,745 1,452,034 — — — 12,284,77 361.2 STRUCTURES & IMPROVEMENTS 12,064,41 — — — 2,6757 361.1 STRUCTURES & IMPROVEMENTS 26,757 — — — 2,6757 362.11 GAS HOLDERS - LNG NEWPORT 5,927,104 — — — 4,556,064 362.2 GAS HOLDERS - LNG NEWPORT 1,600 — — — 2,927,333 353.21 LAUGEFACTION EQUIP - LINNTON 4,458,618 — — — 2,927,333 353.21 LAUDEFACTION EQUIP - LINNTON 4,458,618 — — — 4,428,83 363.22 COMPRESSOR EQUIP - LINNTON 4,458,618 — — — 4,428,83 363.22 COMPRESSOR EQUIP - LINNTON 4,748,89 — — — 4,42	UTILITY						•	
1960.12 LAND - LIND NEWPORT 536,433 536,433 360.2 LAND - OTHER 106,557 12,254,773 361.11 STRUCTURES & IMPROVEMENTS 12,196,541 12,254,773 361.12 STRUCTURES & MPROVEMENTS 12,196,541 12,254,773 361.21 GAS HOLDERS - LING INMTON 4,555,064 4,556,064 362.12 GAS HOLDERS - LING NEWPORT 5,927,104 4,556,064 363.11 LIQUEFACTION EQUIP - LINNTON 4,558,016 2,927,133 363.21 VAPORIZING EQUIP - LINNTON 4,458,016 4,458,017 363.21 VAPORIZING EQUIP - LINNTON 4,458,018 4,458,013 363.22 VAPORIZING EQUIP - LINNTON 179,151 233,033 - 4,764,031 363.23 COMPRESSOR	LOCAL ST	ORAGE PLANT						
360.12 LAND - LIND NEWPORT 536,433 536,433 360.2 LAND - OTHER 106,657 12,254,773 361.11 STRUCTURES & IMPROVEMENTS 12,196,541 12,254,773 361.12 STRUCTURES & IMPROVEMENTS 12,196,541 26,757 362.12 GAS HOLDERS - LING INMTON 4,556,064 4,566,064 362.12 GAS HOLDERS - LING INMERVOPRT 5,927,104 4,566,064 363.11 LIQUEFACTION EQUIP - LINN 3,911,724 2,937,333 363.21 VAPORIZING EQUIP - LINNTON 4,456,618 4,458,611 363.22 VAPORIZING EQUIP - LINNTON 179,151 123,030 4,458,613 363.21 VAPORIZING EQUIP - NEWPORT 5,162,285 13,113 5,178,303 363.21 VAPORIZING EQUIP - LINNTON 179,151 233,030 - 4,12,164	360.11	LAND - LNG LINNTON	83,598	_	_	_	_	83,598
381.11 STRUCTURES & IMPROVEMENTS 10,802,745 1.452,034 12,195,541 381.12 STRUCTURES & IMPROVEMENTS 28,757 - 28,755 362.11 GAS HOLDERS - LING INNTON 4,556,064 4,556,064 362.12 GAS HOLDERS - LING NEWPORT 5,227,104 5,927,104 363.11 LIQUEFACTION EQUIP - LINN 3,911,724 2,933,333 363.21 LIQUEFACTION EQUIP - NEWPORT 5,977,036 6,562,936 4,458,611 352.21 VAPORIZING EQUIP - NEWPORT 6,718,209 4,458,613 363.22 VAPORZING EQUIP - NEWPORT 6,718,209 442,863 363.22 COMPRESSOR EQUIP - NEWPORT 6,718,209 442,864 363.23 COMPRESSOR EQUIP - NEWPORT 6,718,209 442,864 363.24 MEASURING & REGULATING EQU 10,35,103 3,343,30	360.12			_	_		_	536,433
361.12 STRUCTURES & IMPROVEMENTS 12,196,541 - - - 12,196,541 361.2 STRUCTURES & IMPROVEMENTS 26,757 - - - 26,757 362.11 GAS HOLDERS - LNG LINNTON 4,556,064 - - - 4,566,064 362.21 GAS HOLDERS - LNG CHIPORT 5,927,104 - - - 1,600 362.21 GAS HOLDERS - LNG OTHER 1,600 - - - 3,911,724 - - - 2,253,333 363.21 VAPORZING EQUIP - LINNTON 4,458,618 - - - - 4,458,618 363.22 VAPORZING EQUIP - NEWPORT 6,718,209 - - - 4,458,618 363.31 COMPRESSOR EQUIP - NEWPORT 6,718,209 - - - 4,718,618 363.34 MEASURING & REGULATING EQU 3,357,521 1,919,653 - - - 5,778,393 363.44 MEASURING & REGULATING EQU 10,657,937 1,919,653 - - - 1,94,497 363.5 CON REFUSCINE FACILITIES	360.2	LAND - OTHER		_	_		_	106,557
381.2 STRUCTURES & IMPROVEMENTS 26,757 — — — — 26,757 382.11 GAS HOLDERS - LING INITYON 4,556,064 — — — — 4,556,064 382.2 GAS HOLDERS - LING NUMPORT 5,927,104 — — — 5,927,104 383.11 LIQUEFACTION EQUIP - LINN 3,911,724 — — — 3,911,724 383.12 LIQUEFACTION EQUIP - NEWPORT 6,718,209 — — — 4,458,613 363.21 VAPORIZING EQUIP - LINNTON 4,458,618 — — — 4,718,203 363.22 VAPORIZING EQUIP - LINNTON 179,151 23,3035 — — — 4,718,203 363.31 COMPRESSOR EQUIP MENT NE 5,55,285 13,113 — — 5,738,393 363.41 MEASURING & REGULATING EQU 10,852,123 3,34,330 — — 14,156,433 365.5 CN REFUELING FACILITIES 39,473 — — 79,473 16.6 <td>361.11</td> <td>STRUCTURES & IMPROVEMENTS</td> <td>10,802,745</td> <td>1,452,034</td> <td>_</td> <td>_</td> <td>_</td> <td>12,254,779</td>	361.11	STRUCTURES & IMPROVEMENTS	10,802,745	1,452,034	_	_	_	12,254,779
382.11 GAS HOLDERS - LNG INNTON 4,556,064 - - - - 4,556,064 382.12 GAS HOLDERS - LNG NEWPORT 5,927,104 - - - 1,600 362.2 GAS HOLDERS - LNG OTHER 1,600 - - - 1,600 363.11 LIQUEFACTION EQUIP - LINN 3,911,724 - - - 2,253,333 363.21 VAPORZING EQUIP - NEWPO 15,570,396 - - 2,253,333 363.21 VAPORZING EQUIP - LINNTON 4,458,618 - - - 6,718,200 363.31 COMPRESSOR EQUIP - LINNTON 179,151 233,035 - - 4,428,613 363.32 COMPRESSOR EQUIP - LINNTON 179,151 233,035 - - 5,678,397 363.41 MEASURING & REGULATING EQU 3,651,295 - - - 3,051,295 363.5 CON REFUELING FACILITIES 39,612,95 - - - 1,02,774,072 1 Local Storage Plant Subtotal * 89,259,977 1,515,101 - - 6,455,177 <t< td=""><td>361.12</td><td>STRUCTURES & IMPROVEMENTS</td><td>12,196,541</td><td>_</td><td>_</td><td>_</td><td>_</td><td>12,196,541</td></t<>	361.12	STRUCTURES & IMPROVEMENTS	12,196,541	_	_	_	_	12,196,541
382.12 GAS HOLDERS - LING NEWPORT 5,927,104 — — — — — — — 5,927,104 362.22 GAS HOLDERS - LING NEWPORT 1,600 — — — — … 1,600 363.11 LIQUEFACTION EQUIP - LINN 3,911,724 — — — — … 2,253,333 363.12 LIQUEFACTION EQUIP - NEWPO 15,970,396 6,562,936 — — — … 4,458,618 363.22 VAPORZING EQUIP - LINNTON 179,151 233,035 — — … … … 4,458,618 … … … … … 4,458,618 … … … … … 4,458,618 … … … … … 4,458,618 … … … … 4,458,618 … … … … … … … 4,458,618 … … … … … … … … … … … … … … … … … … …	361.2	STRUCTURES & IMPROVEMENTS	26,757	_	_	_	_	26,757
382.2 GAS HOLDERS - LING OTHER 1,600 — — — — — — — 1,600 363.11 LIQUEFACTION EQUIP - LINN 3,911,724 — — — 3,911,724 363.21 VAPORZING EQUIP - LINNTON 4,458,618 — — — — 4,458,611 363.22 VAPORZING EQUIP - NEWPORT 6,718,209 — — — 4,458,616 363.31 COMPRESSOR EQUIP - NEWPORT 6,718,209 — — — 4,428,616 363.31 COMPRESSOR EQUIP - NEWPORT 6,566,255 13,113 — — — 5,758,393 363.41 MEASURING & REGULATING EQU 10,852,103 3,334,330 — — — 1,416,643 363.5 CNG REFUELING FACILITIES 3,951,295 — — — 3,051,295 363.6 LAN REFUELING FACILITIES 739,473 — — — 102,774,072 TRANSMISSION PLANT 1.015,597 — — — — 102,774,072 365.1 LAND 1.015,597 —	362.11	GAS HOLDERS - LNG LINNTON	4,556,064	_	_	_	_	4,556,064
363.11 LIQUEFACTION EQUIP - LINN 3.911.724 — — — 3.911.724 363.12 LIQUEFACTION EQUIP - NEWPO 15.970.396 6.562.936 — — — 2.253.333 363.21 VAPORZING EQUIP - LINNTON 4.458.618 — — — 4.458.613 363.31 COMPRESSOR EQUIP NEWPORT 6.718.209 — — — 4.458.613 363.31 COMPRESSOR EQUIP NEWT NEW 5.565.285 13.113 — — — 5.578.393 363.41 MEASURING & REGULATING EQU 10.557.321 1.919.653 — — — 4.418.643 363.42 MCASURING & REGULATING EQU 10.685.2103 3.334.300 — — — 4.418.643 363.5 CING REFUELING FACILITIES 3.051.295 — — — 1.017.470.777 363.6 LANG FACULING FACILITIES 73.9473 — — — 1.02.774.073 365.2 LAND 1.015.597 — — — 1.015.597 365.4 LAND 1.015.597 — — —<	362.12	GAS HOLDERS - LNG NEWPORT	5,927,104	_	_	_	_	5,927,104
383.12 LIQUEFACTION EQUIP - NEWPO 15,970,396 6,562,936 - - - 22,533,333 363.21 VAPORZING EQUIP - LINNTON 4458,618 - - - - 4,4458,618 363.22 VAPORZING EQUIP - LINNTON 179,151 233,035 - - - 4,718,000 363.31 COMPRESSOR EQUIP - LINNTON 179,151 233,035 - - - 4,718,000 363.41 MEASURING & REGULATING EQU 3,575,521 1,919,653 - - - 5,768,397 363.4 MEASURING & REGULATING EQU 10,852,103 3,334,330 - - - 1,919,653 - - - 3,051,295 363.4 LING REFUELING FACILITIES 739,473 - - - 102,774,077 TRANSMISSION PLANT - - - - 10,015,597 - - - 10,015,597 365.1 LAND 1,015,597 - - - 10,015,597 - - - 10,015,597 365.3 STRUCTURES & IMPROVEMENTS	362.2	GAS HOLDERS - LNG OTHER	1,600	_	_	_	_	1,600
363.21 VAPORIZING EQUIP - LINNTON 4,458,618 — — — — — 4,458,618 363.22 VAPORIZING EQUIP - NEWPORT 6,718,209 — — — — 6,718,203 363.31 COMPRESSOR EQUIP MENT - NE 5,565,285 13,113 — — — 5,578,397 363.41 MEASURING & REGULATING EQU 3,575,321 1,919,653 — — — 1,5498,974 363.42 MEASURING & REGULATING EQU 10,852,103 3,334,300 — — — 1,4186,433 363.5 CNG REFUELING FACILITIES 3,091,295 — — — 1,0174,072 363.6 LNG REFUELING FACILITIES 739,473 — — — 739,473 Local Storage Plant Subtotal * 89,258,977 13,515,101 — — — 6,455,177 365.1 LAND 1,015,597 — — — — 6,455,177 366.3 STRUCTURES & IMPROVEMENTS 1,546,073 — — — 1,94,549,264 367.22 SOUTH MIST TRANSMISSION LI	363.11	LIQUEFACTION EQUIP LINN	3,911,724	_	_	_	_	3,911,724
363.22 VAPORIZING EQUIP - NEWPORT 6,718,209 — — — — — — — 6,718,209 363.31 COMPRESSOR EQUIP - LINNTON 179,151 233,035 — — — 412,186 363.32 COMPRESSOR EQUIP HUNT - NE 5,565,255 13,113 — — — 5,573,997 363.41 MEASURING & REGULATING EQU 3,575,321 1,919,653 — — — 5,494,997 363.42 MEASURING & REGULATING EQU 10,852,103 3,334,330 — — — 14,166,433 363.5 C.GR REFUELING FACILITIES 3,0473 — — — 739,477 363.6 LNG REFUELING FACILITIES 3,0473 — — — 102,770,072 TCANSINSSION PLANT 89,258,977 13,515,101 — — — 102,770,072 365.1 LAND 1,015,597 — — — — 6,551,773 365.2 LAND RIGHTS 6,455,177 — — — — 1,945,602 366.3 STRUCTURES	363.12	LIQUEFACTION EQUIP - NEWPO	15,970,396	6,562,936	_	_	_	22,533,333
363.31 COMPRESSOR EQUIP - LINNTON 179,151 233,035 - - - 412,186 363.32 COMPRESSOR EQUIPMENT - NE 5,565,285 13,113 - - 5,578,397 363.41 MEASURING & REGULATING EQU 10,852,103 3,334,330 - - - 14,186,433 363.5 CNG REFUELING FACILITIES 3,091,295 - - - 3,051,295 363.6 LNG REFUELING FACILITIES 3,091,295 - - - 3,051,295 363.6 LNG REFUELING FACILITIES 739,473 - - - 7,036,726 363.6 LNG REFUELING FACILITIES 739,473 - - - 102,774,076 TRANSMISSION PLANT 1015,597 - - - 1,015,597 365.1 LAND 1,015,597 - - - 6,455,177 365.3 STRUCTURES & IMPROVEMENTS 1,546,073 - - - 3,337 366.3 STRUCTURES & IMPROVEMENTS 1,546,073 - - - 2,19,560,564 3,6721 NORTH MIST	363.21	VAPORIZING EQUIP - LINNTON	4,458,618	_	_	_	_	4,458,618
363.32 COMPRESSOR EQUIPMENT - NE 5,565,285 13,113 - - - 5,575,391 363.41 MEASURING & REGULATING EQU 3,375,321 1,919,653 - - - 5,494,973 363.42 MEASURING & REGULATING EQU 10,852,103 3,334,330 - - - 14,186,463 363.5 CNG REFUELING FACILITIES 3,051,295 - - - 7,39,473 Local Storage Plant Subtotal * 89,258,977 13,515,101 - - - 102,774,076 TRANSMISSION PLANT - - - 10,015,597 - - - 10,015,597 365.1 LAND 1,015,597 - - - 6,455,177 365.4 NWN ONLY MEP LAND RIGHTS 5,337 - - - 3,333 366.3 STRUCTURES & IMPROVEMENTS 1,546,073 - - - 1,949,466,453 367.21 NORTH MIST TRANSMISSION LI 1,94,862,32 - - - 1,949,466,456,723 367.22 SOUTH MIST TRANSMISSION LI 1,94,862,451 -<	363.22	VAPORIZING EQUIP - NEWPORT	6,718,209	_	_	_	_	6,718,209
363.41 MEASURING & REGULATING EQU 3,575,321 1,919,653 - - 5,494,974 363.42 MEASURING & REGULATING EQU 10,852,103 3,334,330 - - - 14,186,433 363.5 CNG REFUELING FACILITIES 3,051,295 - - - 3,051,295 363.6 LNG REFUELING FACILITIES 739,473 - - - 102,774,076 TRANSMISSION PLANT 365.1 LAND 1,015,597 - - - 1,015,597 365.5 LAND RIGHTS 6,455,177 - - - 6,455,177 365.3 NMEP LAND RIGHTS 3,337 - - - 3,333 366.3 STRUCTURES & IMPROVEMENTS 1,546,073 - - 219,546,073 - - 219,546,073 - - 1,994,582 - - 219,546,073 - - 1,994,582 - - 1,994,582 - - 1,994,582 - - 1,994,582 - - 1,994,582 - - - 1,994,582 </td <td>363.31</td> <td>COMPRESSOR EQUIP - LINNTON</td> <td>179,151</td> <td>233,035</td> <td>_</td> <td>_</td> <td>_</td> <td>412,186</td>	363.31	COMPRESSOR EQUIP - LINNTON	179,151	233,035	_	_	_	412,186
363.42 MEASURING & REGULATING EQU 10,852,103 3,334,330 14,186,433 363.5 CNG REFUELING FACILITIES 3,051,295 3,051,295 363.6 LNG REFUELING FACILITIES 739,473 703,7473 Local Storage Plant Subtotal * 89,258,977 13,515,101 703,7473 365.1 LAND 1,015,597 1,015,597 365.2 LAND RIGHTS 6,455,177 6,455,177 365.4 NWEP LAND RIGHTS 5,377,199 6,456,073 366.3 STRUCTURES & IMPROVEMENTS 1,546,073 1,946,063 367.21 NORTH MIST TRANSMISSION LI 1,94,582 1,946,073 367.22 SOUTH MIST TRANSMISSION LI 14,949,264 1,949,582 367.21 NORTH SIST TRANSMISSION LI 34,881,341 1,949,562 3	363.32	COMPRESSOR EQUIPMENT - NE	5,565,285	13,113	_	_	_	5,578,397
363.5 CNG REFUELING FACILITIES 3,051,295 — — — — — 3,051,295 363.6 LNG REFUELING FACILITIES 739,473 — — — — 739,473 Local Storage Plant Subtotal * 89,256,977 13,515,101 — — — — 739,473 TRANSMISSION PLANT 365.1 LAND 1,015,597 — — — — 1,015,597 365.2 LAND RIGHTS 6,455,177 — — — — 6,455,177 365.3 NEP LAND RIGHTS 577,199 — — — — 3,337 366.4 STRUCTURES & IMPROVEMENTS 1,546,073 — — — 1,546,054 367.21 NORTH MIST TRANSMISSION LI 1,94,966,333 24,714,621 — — — 1,949,562 367.22 SOUTH MIST TRANSMISSION LI 14,949,264 — — — 1,494,949,264	363.41	MEASURING & REGULATING EQU	3,575,321	1,919,653	_	_	_	5,494,974
363.6 LNG REFUELING FACILITIES 739,473 — — — — — 739,473 Local Storage Plant Subtotal * 89,258,977 13,515,101 — — — — 102,774,076 TRANSMISSION PLANT 365.1 LAND 1,015,597 — — — — — 102,774,076 365.1 LAND RIGHTS 6,455,177 — — — — 6,455,177 365.3 NMEP LAND RIGHTS 577,199 — — — — 577,199 366.3 STRUCTURES & IMPROVEMENTS 1,546,073 — — — 1,546,073 367 MAINS 194,866,333 24,714,621 — — 1,949,526 367.21 NORTH MIST TRANSMISSION LI 1,949,264 — — 1,949,264 367.22 SOUTH MIST TRANSMISSION LI 34,881,341 — — — 14,949,264 367.25 12M NORTH S MIST TRANS 16,613,651 — — — 14,	363.42	MEASURING & REGULATING EQU	10,852,103	3,334,330	_	_	_	14,186,433
Local Storage Plant Subtotal * 89,258,977 13,515,101 — — — — — 102,774,076 TRANSMISSION PLANT 365.1 LAND 1,015,597 — — — — 1,015,597 365.2 LAND RIGHTS 6,455,177 — — — — 6,455,177 365.3 NMEP LAND RIGHTS 577,199 — — — — 577,199 365.4 NWN ONLY NMEP LAND RIGHTS 3,337 — — — — 577,199 366.3 STRUCTURES & IMPROVEMENTS 1,546,073 — — — 1,546,073 367 MAINS 194,866,333 24,714,621 — — 1,994,582 367.21 NORTH MIST TRANSMISSION LI 1,994,582 — — — 1,994,582 367.22 SOUTH MIST TRANSMISSION LI 14,949,264 — — — 149,496,264 367.25 12M NORTH S MIST TRANS 18,613,651 — — — 17,46	363.5	CNG REFUELING FACILITIES	3,051,295	_	_	_	_	3,051,295
TRANSMISSION PLANT 365.1 LAND 1,015,597 - - - 1,015,597 365.2 LAND RIGHTS 6,455,177 - - - 6,455,177 365.3 NMEP LAND RIGHTS 577,199 - - - 6,455,177 365.4 NWN ONLY NMEP LAND RIGHTS 3,337 - - - 3,337 366.3 STRUCTNES & IMPROVEMENTS 1,546,073 - - - 1,546,073 367 MAINS 194,866,333 24,714,621 - - 1,994,582 367.21 NORTH MIST TRANSMISSION LI 1,994,582 - - 1,994,582 367.22 SOUTH MIST TRANSMISSION LI 14,949,264 - - 14,949,264 367.23 SOUTH MIST TRANSMISSION LI 34,81,341 - - 14,849,264 367.24 11.7M NORTH S MIST TRANS 18,613,651 - - 17,466,182 367.25 12M NORTH S MIST TRANS 18,613,651 - - 18,613,651 367.26 38M NORTH S MIST TRANS 66,923,170 - <	363.6	LNG REFUELING FACILITIES	739,473	—	_	_	_	739,473
365.1 LAND 1,015,597 - - - 1,015,597 365.2 LAND RIGHTS 6,455,177 - - - 6,455,177 365.3 NMEP LAND RIGHTS 577,199 - - - 6,455,177 365.4 NWN ONLY NMEP LAND RIGHTS 3,337 - - - 3,337 366.3 STRUCTURES & IMPROVEMENTS 1,546,073 - - - 1,546,073 367 MAINS 194,866,333 24,714,621 - - - 1,994,582 367.21 NORTH MIST TRANSMISSION LI 1,994,582 - - - 1,994,582 367.22 SOUTH MIST TRANSMISSION LI 14,949,264 - - - 14,949,264 367.23 SOUTH MIST TRANSMISSION LI 34,881,341 - - - 14,949,264 367.24 11.7M NORTH S MIST TRANS 17,466,182 - - - 17,466,182 367.25 12M NORTH S MIST TRANS 18,613,651 - - - 18,613,651 367.26 38M NORTH S MIST TRANS		Local Storage Plant Subtotal *	89,258,977	13,515,101	_	_	_	102,774,078
365.2 LAND RIGHTS 6,455,177 - - - 6,455,177 365.3 NMEP LAND RIGHTS 577,199 - - - 577,199 365.4 NWN ONLY NMEP LAND RIGHTS 3,337 - - - 3,337 366.3 STRUCTURES & IMPROVEMENTS 1,546,073 - - - 1,546,073 367 MAINS 194,866,333 24,714,621 - - 219,580,954 367.21 NORTH MIST TRANSMISSION LI 1,994,582 - - 14,949,264 367.22 SOUTH MIST TRANSMISSION LI 14,949,264 - - - 14,949,264 367.23 SOUTH MIST TRANSMISSION LI 34,881,341 - - - 14,949,264 367.24 11.7M NORTH S MIST TRANS 17,466,182 - - - 17,466,182 367.25 12M NORTH S MIST TRANS 18,613,651 - - - 18,613,651 367.26 38M NORTH S MIST TRANS 66,923,170 - - - 66,923,170 367.27 NMEP MAINS 630,841	TRANSMI	SSION PLANT						
365.3 NMEP LAND RIGHTS 577,199 — — — — — — 577,199 365.4 NWN ONLY NMEP LAND RIGHTS 3,337 — — — — 3,337 366.3 STRUCTURES & IMPROVEMENTS 1,546,073 — — — — 1,546,073 367 MAINS 194,866,333 24,714,621 — — — 219,580,954 367.21 NORTH MIST TRANSMISSION LI 1,994,582 — — — 1,994,582 367.22 SOUTH MIST TRANSMISSION LI 14,949,264 — — — 14,949,264 367.23 SOUTH MIST TRANSMISSION LI 34,881,341 — — — 14,494,264 367.24 11.7M NORTH S MIST TRANS 17,466,182 — — — 14,494,264 367.25 SOUTH MIST TRANS 17,466,182 — — — 14,494,264 367.25 12M NORTH S MIST TRANS 18,613,651 — — — 14,494,264 367.26 38M NORTH S MIST TRANS 18,613,651 — — <			1,015,597	_	_	_	_	1,015,597
365.4 NWN ONLY NMEP LAND RIGHTS 3,337 3,337 366.3 STRUCTURES & IMPROVEMENTS 1,546,073 1,546,073 367 MAINS 194,866,333 24,714,621 219,580,954 367.21 NORTH MIST TRANSMISSION LI 1,994,582 1,994,582 367.22 SOUTH MIST TRANSMISSION LI 14,949,264 14,949,264 367.23 SOUTH MIST TRANSMISSION LI 34,881,341 14,949,264 367.24 11.7M NORTH S MIST TRANS 17,466,182 17,466,185 367.25 12M NORTH S MIST TRANS 18,613,651 18,613,651 367.26 38M NORTH S MIST TRANS 68,232,676 68,232,676 367.27 NMEP MAINS 68,232,676 66,923,170 367.27 NMEP MAINS 330,841 30,841 368 <t< td=""><td>365.2</td><td>LAND RIGHTS</td><td>6,455,177</td><td>_</td><td>_</td><td>_</td><td>_</td><td>6,455,177</td></t<>	365.2	LAND RIGHTS	6,455,177	_	_	_	_	6,455,177
366.3 STRUCTURES & IMPROVEMENTS 1,546,073 — — — — 1,546,073 367 MAINS 194,866,333 24,714,621 — — — 219,580,954 367.21 NORTH MIST TRANSMISSION LI 1,994,582 — — — — 194,494,9264 367.22 SOUTH MIST TRANSMISSION LI 14,949,264 — — — — 14,949,264 367.23 SOUTH MIST TRANSMISSION LI 34,881,341 — — — — 14,949,264 367.24 11.7M NORTH S MIST TRANS 17,466,182 — — — 17,466,182 367.25 12M NORTH S MIST TRANS 18,613,651 — — — 18,613,651 367.26 38M NORTH S MIST TRANS 68,232,676 — — — 66,923,170 367.27 NMEP MAINS 66,923,170 — — — — 30,841 368 TRANSMISSION COMPRESSOR — — — — — 30,841 369 MEASURING & REGULATE STATION 3,969,549 —	365.3	NMEP LAND RIGHTS	577,199	_	_	_	_	577,199
367 MAINS 194,866,333 24,714,621 - - - 219,580,954 367.21 NORTH MIST TRANSMISSION LI 1,994,582 - - - 1,994,582 367.22 SOUTH MIST TRANSMISSION LI 14,949,264 - - - 14,949,264 367.23 SOUTH MIST TRANSMISSION LI 34,881,341 - - - 34,881,341 367.24 11.7M NORTH S MIST TRANS 17,466,182 - - - 17,466,182 367.25 12M NORTH S MIST TRANS 18,613,651 - - - 18,613,651 367.26 38M NORTH S MIST TRANS 68,232,676 - - - 68,232,676 367.27 NMEP MAINS 66,923,170 - - - 66,923,170 368 TRANSMISSION COMPRESSOR - - - - 330,841 368 TRANSMISSION COMPRESSOR - - - - 39,69,549 370 COMMUNICATION EQUIPMENT - - - - - - -	365.4	NWN ONLY NMEP LAND RIGHTS	3,337	_	_	_	_	3,337
367.21 NORTH MIST TRANSMISSION LI 1,994,582 - - - 1,994,582 367.22 SOUTH MIST TRANSMISSION LI 14,949,264 - - - 14,949,264 367.23 SOUTH MIST TRANSMISSION LI 34,881,341 - - - 34,881,341 367.24 11.7M NORTH S MIST TRANS 17,466,182 - - - 17,466,182 367.25 12M NORTH S MIST TRANS 18,613,651 - - - 18,613,651 367.26 38M NORTH S MIST TRANS 68,232,676 - - - 68,232,676 367.27 NMEP MAINS 66,923,170 - - - 66,923,170 367.28 NWN ONLY NMEP MAINS 330,841 - - - 330,841 368 TRANSMISSION COMPRESSOR - - - - 30,841 369 MEASURING & REGULATE STATION 3,969,549 - - - 3,969,549 370 COMMUNICATION EQUIPMENT - - - - - -	366.3	STRUCTURES & IMPROVEMENTS	1,546,073	_	_	_	_	1,546,073
367.22 SOUTH MIST TRANSMISSION LI 14,949,264 — — — — 14,949,264 367.23 SOUTH MIST TRANSMISSION LI 34,881,341 — — — — 34,881,341 367.24 11.7M NORTH S MIST TRANS 17,466,182 — — — — 17,466,182 367.25 12M NORTH S MIST TRANS 18,613,651 — — — 18,613,651 367.26 38M NORTH S MIST TRANS 68,232,676 — — — 68,232,676 367.27 NMEP MAINS 66,923,170 — — — 66,923,170 367.28 NWN ONLY NMEP MAINS 330,841 — — — 330,841 368 TRANSMISSION COMPRESSOR — — — — 330,841 369 MEASURING & REGULATE STATION 3,969,549 — — — 3,969,549 370 COMMUNICATION EQUIPMENT — — — — — — —	367	MAINS	194,866,333	24,714,621	_	_	_	219,580,954
367.23 SOUTH MIST TRANSMISSION LI 34,881,341 - - - 34,881,341 367.24 11.7M NORTH S MIST TRANS 17,466,182 - - - 17,466,182 367.25 12M NORTH S MIST TRANS 18,613,651 - - - 18,613,651 367.26 38M NORTH S MIST TRANS 68,232,676 - - - 68,232,676 367.27 NMEP MAINS 66,923,170 - - - 66,923,170 367.28 NWN ONLY NMEP MAINS 330,841 - - - 30,841 368 TRANSMISSION COMPRESSOR - - - - - 30,841 369 MEASURING & REGULATE STATION 3,969,549 - - - 3,969,549 370 COMMUNICATION EQUIPMENT - - - - - -	367.21	NORTH MIST TRANSMISSION LI	1,994,582	_	_	_	_	1,994,582
367.24 11.7M NORTH S MIST TRANS 17,466,182 — — — — — 17,466,182 367.25 12M NORTH S MIST TRANS 18,613,651 — — — — 18,613,651 367.26 38M NORTH S MIST TRANS 68,232,676 — — — — 68,232,676 367.27 NMEP MAINS 66,923,170 — — — 66,923,170 367.28 NWN ONLY NMEP MAINS 330,841 — — — — 66,923,170 368 TRANSMISSION COMPRESSOR — — — — — 30,841 369 MEASURING & REGULATE STATION 3,969,549 — — — — 3,969,549 370 COMMUNICATION EQUIPMENT — — — — — — — —	367.22	SOUTH MIST TRANSMISSION LI	14,949,264	_	_	_	_	14,949,264
367.25 12M NORTH S MIST TRANS 18,613,651 — — — — 18,613,651 367.26 38M NORTH S MIST TRANS 68,232,676 — — — — 68,232,676 367.27 NMEP MAINS 66,923,170 — — — — 66,923,170 367.28 NWN ONLY NMEP MAINS 330,841 — — — — 66,923,170 368 TRANSMISSION COMPRESSOR — — — — — 330,841 369 MEASURING & REGULATE STATION 3,969,549 — — — — 3,969,549 370 COMMUNICATION EQUIPMENT — — — — — — —	367.23	SOUTH MIST TRANSMISSION LI	34,881,341	_	_	_	_	34,881,341
367.26 38M NORTH S MIST TRANS 68,232,676 — — — — 68,232,676 367.27 NMEP MAINS 66,923,170 — — — — 66,923,170 367.28 NWN ONLY NMEP MAINS 330,841 — — — — 66,923,170 368 TRANSMISSION COMPRESSOR — — — — — 330,841 369 MEASURING & REGULATE STATION 3,969,549 — — — — 3,969,549 370 COMMUNICATION EQUIPMENT — — — — — — — —	367.24	11.7M NORTH S MIST TRANS	17,466,182	_	_	_	_	17,466,182
367.27 NMEP MAINS 66,923,170 - - - 66,923,170 367.28 NWN ONLY NMEP MAINS 330,841 - - - 330,841 368 TRANSMISSION COMPRESSOR - - - - 330,841 369 MEASURING & REGULATE STATION 3,969,549 - - - 3,969,549 370 COMMUNICATION EQUIPMENT - - - - - -	367.25	12M NORTH S MIST TRANS	18,613,651	_	_	_	_	18,613,651
367.28 NWN ONLY NMEP MAINS 330,841 — — — — 330,841 368 TRANSMISSION COMPRESSOR — — — — — 330,841 368 TRANSMISSION COMPRESSOR — — — — — 330,841 369 MEASURING & REGULATE STATION 3,969,549 — — — — 3,969,549 370 COMMUNICATION EQUIPMENT — — — — — —	367.26	38M NORTH S MIST TRANS	68,232,676	_	_	_	_	68,232,676
368 TRANSMISSION COMPRESSOR — 3,969,549 — — — 3,969,549 — — — 3,969,549 — — — 3,969,549 — — — 3,969,549 — — — 3,969,549 — — — — 3,969,549 — — — — 3,969,549 — — — — 3,969,549 — — — — 3,969,549 — — — — 3,969,549 … … … … 3,969,549 … … … … … … 3,969,549 …	367.27	NMEP MAINS	66,923,170	_	_	_	_	66,923,170
369 MEASURING & REGULATE STATION 3,969,549 — — — — 3,969,549 370 COMMUNICATION EQUIPMENT — — — — — — 3,969,549	367.28	NWN ONLY NMEP MAINS	330,841	_	_	_	_	330,841
<u>370 COMMUNICATION EQUIPMENT</u> — — — — — — — —	368	TRANSMISSION COMPRESSOR	_	_	_	_	_	_
	369	MEASURING & REGULATE STATION	3,969,549	_	_	_	_	3,969,549
Transmission Plant Subtotal * 431,824,973 24,714,621 — — — 456,539,594	370	COMMUNICATION EQUIPMENT						
		Transmission Plant Subtotal *	431,824,973	24,714,621		_		456,539,594

* May not foot due to rounding.

Oregon and Washington - Account 101/106

ACCOUNT SUMMARY BY FUNCTIONAL CLASS

NW Natural

						Period Beginning: Period Ending:	January 2022 December 2022
Functiona	l Class	Beginning					Ending
FERC I	Plant Account	Balance	Additions	Retirements	Transfers	Adjustments	Balance*
UTILITY							
Distributio	on Plant						
374.1	LAND	211,692	_	_	_	_	211,692
374.2	LAND RIGHTS	1,886,181	_	_	_	_	1,886,181
375	STRUCTURES & IMPROVEMENTS	1,519,558	_	_	_	_	1,519,558
376.11	MAINS < 4"	682,850,695	20,671,903	(318,067)	_	_	703,204,531
376.12	MAINS 4" & >	696,927,806	56,260,959	(317,628)	_	_	752,871,137
376.13	NMEP MAINS HP 4" & >	664,080	_	_	_	_	664,080
377	COMPRESSOR STATION EQUIPMENT	818,380	_	_	_	_	818,380
378	MEASURING & REG EQUIP - GENER	45,938,812	4,254,835	_	_	_	50,193,647
378.1	MEASURING & REG EQUIP - RNG	438,033	(779,381)	_	_	_	(341,349)
379	MEASURING & REG EQUIP - GATE	19,704,761	1,657,757	_	_	_	21,362,518
380	SERVICES	919,560,854	37,852,031	(2,709,157)	_	_	954,703,727
381	METERS	112,889,629	2,662,820	(2,543,509)	_	_	113,008,941
381.1	METERS (ELECTRONIC)	1,696,938	_	_	_	_	1,696,938
381.2	ERT (ENCODER RECEIVER TRANS	44,468,522	1,172,677	(5,021,163)	_	_	40,620,036
382	METER INSTALLATIONS	63,616,756	2,392,401	(2,969,507)	_	_	63,039,650
382.1	METER INSTALLATIONS (ELECTR	481,020	_	_	_	_	481,020
382.2	ERT INSTALLATION (ENCODER	9,507,585	2,764,348	(257,923)	_	_	12,014,009
383	HOUSE REGULATORS	2,679,217	141,552	_	_	_	2,820,769
386	OTHER PROPERTY ON CUSTOMERS P	1,162,110	_	_	_	_	1,162,110
386.1	MULTI-FAMILY METER ROOMS	_	_	_	_	_	_
387.1	CATHODIC PROTECTION TESTING	173,859	_	_	_	_	173,859
387.2	CALORIMETERS @ GATE STATIONS	96,424	_	_	_	_	96,424
387.3	METER TESTING EQUIPMENT	72,671	_	_	_	_	72,671
	Distribution Plant Subtotal	2,607,365,582	129,051,900	(14,136,955)	_	_	2,722,280,528

ACCOUNT SUMMARY BY FUNCTIONAL CLASS

NW Natural

Functional Class Beginning Ending Ending FERC Plant Account Balance Additions Retirements Transfers Adjustments Balance* 330 Campan Line 12,668,415 11,247 — — — 12,678,667 330 STRUCTURES & IMPROVEMENTS 109,091,180 26,361,807 — — — 13,642,283 330.1 <source control="" plant<="" td=""/> 22,433,764 599,801 — — — 22,033,563 391.1 <oftrce equipmen<="" furnitures="" td=""> 17,786,611 226,436 (114,83,791) — — 2,198,614 391.1<oftrce &="" equipmen<="" furniture="" td=""> 7,786,614 — — 2,4,886,345 — — 2,4,886,345 — — 2,4,886,345 — — 2,4,886,345 3,417 — — 2,4,886,345 … — 2,4,886,345 … … … 2,4,886,345 … … … 2,4,886,345 … … … 2,4,886,345 … … … 2,4,886,34</oftrce></oftrce>						Period Beginning: Period Ending:	January 2022 December 2022
FERC Plant Account Balance Additions Retirements Transfers Adjustments Balance* UTILITY General Plant	Functional Class	Beginning				r choù Ehang.	
General Plant 12,666,415 11,247			Additions	Retirements	Transfers	Adjustments	•
338 LAND 12,668,415 11,247 - - - 12,679,662 390 STUCTURES & INPOVEMENTS 103,091,100 26,361,007 - - - 23,033,665 391.1 <ofice &="" equipmen<="" furnture="" td=""> 17,886,911 226,438 (15,0625) - - 44,229,122 391.2 COMPUTERS 51,130,073 4,612,845 (11,483,791) - - 42,289,122 391.2 COMPUTERS FORIZON - 2,198,614 - - 2,198,614 391.5 INEP COMPUTERS TSA SECURITY DIRECTIVE - 24,886,345 - - 63,14 391.5 INEP COMPUTERS TSA SECURITY DIRECTIVE - 24,886,345 - - - 63,14 391.5 INEP COMPUTERS TSA SECURITY DIRECTIVE - 247,810 - - 63,13 391.5 NARP COMPUTERS 56,619 - - - 63,14 391.5 NARP COMPUTERS 56,191 13,087,491 (2,112,903) - - 6,613 391.5 NARP CARARED EQUIPMENT 119,404 30,87,614</ofice>	UTILITY						
338 LAND 12,668,415 11,247 - - - 12,679,662 390 STUCTURES & INPOVEMENTS 103,091,100 26,361,007 - - - 23,033,665 391.1 <ofice &="" equipmen<="" furnture="" td=""> 17,886,911 226,438 (15,0625) - - 44,229,122 391.2 COMPUTERS 51,130,073 4,612,845 (11,483,791) - - 42,289,122 391.2 COMPUTERS FORIZON - 2,198,614 - - 2,198,614 391.5 INEP COMPUTERS TSA SECURITY DIRECTIVE - 24,886,345 - - 63,14 391.5 INEP COMPUTERS TSA SECURITY DIRECTIVE - 24,886,345 - - - 63,14 391.5 INEP COMPUTERS TSA SECURITY DIRECTIVE - 247,810 - - 63,13 391.5 NARP COMPUTERS 56,619 - - - 63,14 391.5 NARP COMPUTERS 56,191 13,087,491 (2,112,903) - - 6,613 391.5 NARP CARARED EQUIPMENT 119,404 30,87,614</ofice>	General Plant						
390 STRUCTURES & IMPROVEMENTS 109,091,180 26,361,807 - - - - 23,033,662 390.1 SOURCE CONTROL PLANT 12,848,911 226,436 (150,625) - - 23,033,662 391.1 OFICE FURNTURE & EQUIPMEN 17,868,911 226,436 - - 44,259,727 391.2 COMPUTERS NORZON - 2,198,614 - - - 2,486,544 391.2 COMPUTERS TSA SECURITY DIRECTIVE - 24,863,345 - - - 24,866,344 391.5 NMEP COMPUTERS TSA SECURITY DIRECTIVE - 24,7810 - - - 63,141 391.4 NUM ONLY MIEP COMPUTERS 56,516,971 3,087,491 (2,112,903) - 5,741,563 391.4 TORNES EQUIPMENT 15,802,536 607,647 - - - 16,890,418 391.6 NMEP OWER OFERATED EQUIPMENT 15,22,829 (730,921) - - 16,14,440 391.6 NOMEP OPERATED EQUIPMENT 15,22,829 (730,921) - - 16,14,20,491 39,711,393,714,391,791		12.668.415	11.247	_	_	_	12,679,662
390.1 SOURCE CONTROL PLANT 22,433,764 999,801 23,033,62 391.1 OFICE FURNTURE & EQUIPMEN 17,866,911 22,6438 (11,483,791) 42,493,73 391.2 COMPUTERS S0,807,33 4,612,845 2,198,614 2,198,614 2,198,614 2,198,614 2,198,614 2,198,614 2,4,863,445 2,4,863,445 2,4,863,445 2,4,863,445 2,4,863,445 2,4,863,445 2,4,863,445 2,4,863,445 2,4,863,445 2,4,863,445	390 STRUCTURES & IMPROVEMENTS		,	_	_	_	135,452,987
3312 COMPUTERS 51,100,073 4,612,845	390.1 SOURCE CONTROL PLANT	22,433,764	599,801	_	_	_	23,033,565
331.21 COMPUTERS SHORIZON	391.1 OFFICE FURNITURE & EQUIPMEN	17,886,911	226,438	(150,625)	_	_	17,962,724
391.22 COMPUTERS TSA SECURITY DIRECTIVE — 24.886.345 — — — 24.886.345 391.51 NMEP COMPUTERS TSA SECURITY DIRECTIVE 247,510 — — — 6.813 391.51 NMEP COMPUTERS 6.619 247,510 — — — 6.631 391.51 NMEP COMPUTERS 6.619 247,510 — — — 6.631 391.51 NMEP COMPUTERS 6.619 247,510 — — — 6.613 392 TRANSPORTATION EQUIPMENT 119,406 — — — — 6.613 393 TORES EQUIPMENT 119,406 — — — — — 119,406 394 TOOLS - SHOP & GARAGE EQUIPMENT 15,222,139 1,552,829 (730,921) — — 16,114,044 396 POWRO PERATED EQUIPMENT 12,22,314 54 — — 4,286,103 397.51 TELEMETERINO - OTHER 9,075,692 2,890,443 (53,242) — — 1,912,694 397.51 TELEMETERINO - MICROWAVE 5,664,170 336,547 (61,120) — — 4,350,998 <td>391.2 COMPUTERS</td> <td>51,130,073</td> <td>4,612,845</td> <td>(11,483,791)</td> <td>_</td> <td>_</td> <td>44,259,127</td>	391.2 COMPUTERS	51,130,073	4,612,845	(11,483,791)	_	_	44,259,127
3915 NMEP COMPUTERS 546,467 86,674 633,471 3915 NMEP COMPUTERS 56,516,971 3,087,491 247,810 3915 NMEP COMPUTERS 56,516,971 3,087,491 (2,112,903) 6,813 392 TRANSPORTATION EQUIPMENT 56,516,971 3,087,491 (2,112,903) 6,813 393 STORES EQUIPMENT 118,406 119,400 394 TOOLS - SHOP & GARAGE EQUIPMENT 12,22,314 607,647 122,366 395 LABORATORY EQUIPMENT 12,22,314 544 222,366 396.1 NMEP POWER OPERATED EQUIPMENT 12,22,314 544 428,6109 397.1 MOBILE 4,286,109 42,861,09 397.3 TELEMETERING - OTHER 9,0558 42,861,09 397.3 TELEMETERING - OTHER 9,0559 569,4170 336,547	391.21 COMPUTERS HORIZON	· · · _	2,198,614	_	_	_	2,198,614
331 51 NMEP COMPUTERS TSA SECURITY DIRECTIVE 247,810	391.22 COMPUTERS TSA SECURITY DIRECTIVE	_	24,886,345	_	_	_	24,886,345
3316 NWN ONLY NMEP COMPUTERS 6,819	391.5 NMEP COMPUTERS	546,467	86,674	_	_	_	633,141
332 TRANSPORTATION EQUIPMENT 56,516,971 3,087,491 (2,112,903) - - 57,491,560 333 STORES EQUIPMENT 119,406 - - - 119,400 334 TOOLS - SHOP & GARAGE EQUIPUI 18,082,536 607,647 - - - 18,090,183 335 LABORATORY EQUIPMENT 15,292,139 1,552,292 (730,921) - - 16,114,044 336 POWER OPERATED EQUIPMENT 12,22,314 54 - - - 222,366 337.1 MOBILE 4,266,109 - - - 4,286,109 337.3 TELEMETERING - OTHER 9,075,692 2,890,443 (53,242) - - 11,91,29 337.3 TELEMETERING - MICROWAVE 5,694,170 336,547 (61,120) - - 34,067 338.1 PRINT SHOP 4,339 - - - - 4,356 339.5 TELEMETERING - MICROWAVE 5,694,170 336,547 (61,120) - - 4,356 339.5 TELEMETONE OUIPMENT	391.51 NMEP COMPUTERS TSA SECURITY DIRECTIVE	_	247,810	_	_	_	247,810
333 STORES EQUIPMENT 119,406 119,406 334 TOOLS - SHOP & GARAGE EQUIPUI 18,082,536 607,647 18,690,182 395 LABORATORY EQUIPMENT 15,292,139 1,552,829 (730,921) 16,114,043 396.1 NMEP POWER OPERATED EQUIPMENT 222,314 54 222,360 397.1 MOBILE 4,286,109 49,713 397.2 OTHER THAN MOBILE & TELEMET 9,958 49,861 397.3 TELEMETERING - MICROWAVE 5,594,170 336,547 (61,120) 34,667 397.5 TELEPHONE EQUIPMENT 340,671 340,677 397.5 TELEPHONE EQUIPMENT 28,865 <t< td=""><td>391.6 NWN ONLY NMEP COMPUTERS</td><td>6,819</td><td>_</td><td>_</td><td>_</td><td>_</td><td>6,819</td></t<>	391.6 NWN ONLY NMEP COMPUTERS	6,819	_	_	_	_	6,819
333 STORES EQUIPMENT 119,406 119,406 334 TOOLS - SHOP & GARAGE EQUIPUI 18,082,536 607,647 18,690,182 395 LABORATORY EQUIPMENT 15,292,139 1,552,829 (730,921) 16,114,043 396.1 NMEP POWER OPERATED EQUIPMENT 222,314 54 222,360 397.1 MOBILE 4,286,109 49,713 397.2 OTHER THAN MOBILE & TELEMET 9,958 49,861 397.3 TELEMETERING - MICROWAVE 5,594,170 336,547 (61,120) 34,667 397.5 TELEPHONE EQUIPMENT 340,671 340,677 397.5 TELEPHONE EQUIPMENT 28,865 <t< td=""><td>392 TRANSPORTATION EQUIPMENT</td><td>56,516,971</td><td>3,087,491</td><td>(2,112,903)</td><td>_</td><td>_</td><td>57,491,560</td></t<>	392 TRANSPORTATION EQUIPMENT	56,516,971	3,087,491	(2,112,903)	_	_	57,491,560
395 LABORATORY EQUIPMENT	393 STORES EQUIPMENT	119,406	_	_	_	_	119,406
396 POWER OPERATED EQUIPMENT 15,292,139 1,552,829 (730,921) 16,114,044 396.1 NMEP POWER OPERATED EQUIPMENT 222,314 54 222,364 397.6 GEN PLANT-COMMUNICATION EQU 67,401 (17,683) 4,286,109 397.1 MOBILE 4,286,109 4,286,103 397.3 TELEMETERING - OTHER 9,958 9,956 397.3 TELEMETERING - OTHER 9,075,692 2,890,443 (53,242) 11,912,894 397.4 TELEMETERING - MICROWAVE 5,694,170 336,547 (61,120) 340,677 398.5 GEN PLANT-MISCELLANEOUS EQU 43,657 398.4 INTALED NULASEQUIPMENT 28,865 28,868 398.4 INSTALLED IN LEASED BUILDINGS 10,120 - 10,122 398.4 INSTALLED IN LEASED BUILDINGS 10,121 </td <td>394 TOOLS - SHOP & GARAGE EQUIPUI</td> <td>18,082,536</td> <td>607,647</td> <td>_</td> <td>_</td> <td>_</td> <td>18,690,183</td>	394 TOOLS - SHOP & GARAGE EQUIPUI	18,082,536	607,647	_	_	_	18,690,183
396.1 NMEP POWER OPERATED EQUIPMENT 222,314 54 222,366 397 GEN PLANT-COMMUNICATION EQU 67,401 - (17,683) - - 49,713 397.1 MOBILE 4,286,109 - - - 9,958 - - - 9,956 397.3 TELEMETERING - OTHER 9,075,692 2,890,443 (53,242) - - 11,912,894 397.5 TELEMETERING - MICROWAVE 5,694,170 336,547 (61,120) - - 5,969,592 397.5 TELEPHONE EQUIPMENT 340,671 - - - - - - - - - - - - - 340,671 336,547 (61,120) - - - - - - - - - - - - - - - - - - 4,353 - - - - - 4,353 - - - - 16,733 - - - - 16,733	395 LABORATORY EQUIPMENT	_	_	_	_	_	_
397 GEN PLANT-COMMUNICATION EQU 67,401 - (17,683) - - 49,713 397.1 MOBILE 4,286,109 - - - 42,86,109 397.3 TELEMET 9,958 - - - 9,953 397.3 TELEMETERING - OTHER 9,075,692 2,890,443 (53,242) - - 11,912,894 397.4 TELEMETERING - MICROWAVE 5,694,170 336,547 (61,120) - - 340,671 397.5 TELEPHONE EQUIPMENT 340,671 - 340,671 - - - - - 340,671 - - - - 2,866 - - - - 2,856 - - - - 2,865 - - - - 14,873 - - -	396 POWER OPERATED EQUIPMENT	15,292,139	1,552,829	(730,921)	_	_	16,114,048
397.1 MOBILE 4,286,109 - - - - 4,286,109 397.2 OTHER THAN MOBILE & TELEMET 9,958 - - - 9,953 397.3 TELEMETERING - OTHER 9,056 - - - 11,912,894 397.4 TELEMETERING - MICROWAVE 5,694,170 336,547 (61,120) - - 11,912,894 397.5 TELEPHONE EQUIPMENT 340,671 - - - - 340,671 398.6 GEN PLANT-MISCELLANEOUS EQU - 28,865 - - - - - 28,865 - - - - 28,865 - - - 14,873 - - - 14,873 - - 16,6739 - - 6,6	396.1 NMEP POWER OPERATED EQUIPMENT	222,314	54	_	_	_	222,368
397.2 OTHER THAN MOBILE & TELEMET 9,958 — — — — — — 9,956 397.3 TELEMETERING - OTHER 9,075,692 2,890,443 (53,242) — — 11,912,859 397.4 TELEMETERING - MICROWAVE 5,694,170 336,547 (61,120) — — 5,969,590 397.5 TELEPHONE EQUIPMENT 340,671 — — — — 340,671 398.4 RENT SHOP 4,359 — — — — 4,355 398.2 KITCHEN EQUIPMENT 28,865 — — — — 4,359 398.4 NISTALLED IN LEASED BUILDINGS 10,120 — — — 14,873 398.5 OTHER MISCELLANEOUS EQUIPMENT 14,873 — — — 14,873 398.5 OTHER MISCELLANEOUS EQUIPMENT 66,739 — — — 66,733 General Plant Subtotal 323,595,5952 67,706,592 (14,610,284) — — 4,155,323,544 Vtillity Property Grand Total* 3,855,018,238 35	397 GEN PLANT-COMMUNICATION EQU	67,401	_	(17,683)	_	_	49,718
397.3 TELEMETERING - OTHER 9,075,692 2,890,443 (53,242) - - 11,912,894 397.4 TELEMETERING - MICROWAVE 5,694,170 336,547 (61,120) - - 5,969,596 397.5 TELEPHONE EQUIPMENT 340,671 - - - - 340,671 398 GEN PLANT-MISCELLANEOUS EQU - - - - - - - - - 340,671 - - - - - - 340,671 - - - - - - - - - - - - 340,671 - - - - - - - - - - - - - - 2,896,503 - - - - 2,896,536 - - - - 2,896,536 - - - - 14,873 - - - 10,120 - - 10,120 - - - 10,120 - - 376,692,267 -	397.1 MOBILE	4,286,109	_	_	_	_	4,286,109
397.4 TELEMETERING - MICROWAVE 5,694,170 336,547 (61,120) - - 5,969,596 397.5 TELEPHONE EQUIPMENT 340,671 - - - - 340,671 398 GEN PLANT-MISCELLANEOUS EQU - - - - - - - 398.1 PRINT SHOP 4,359 - - - - 4,353 398.2 KITCHEN EQUIPMENT 28,865 - - - - 4,873 398.3 JANITORIAL EQUIPMENT 14,873 - - - 10,120 398.4 INSTALLED IN LEASED BUILDINGS 10,120 - - - 10,120 398.5 OTHER MISCELLANEOUS EQUIPMENT 66,739 - - - 376,692,261 9101 Subtotal 323,595,952 67,706,592 (14,610,284) - - 4,155,323,547 Utility Property Grand Total* 3,855,018,238 356,894,738 (56,589,434) - - 4,155,323,547 FERC 101 - GL Accoount 160010	397.2 OTHER THAN MOBILE & TELEMET	9,958	_	_	_	_	9,958
397.5 TELEPHONE EQUIPMENT 340,671 28,865 14,873 14,873 14,873 10,120 10,120 10,120 10,120 66,733 376,592,595 67,706,592 (14,610,284) 4,155,323,547	397.3 TELEMETERING - OTHER	9,075,692	2,890,443	(53,242)	_	_	11,912,894
398 GEN PLANT-MISCELLANEOUS EQU	397.4 TELEMETERING - MICROWAVE	5,694,170	336,547	(61,120)	_	_	5,969,596
398.1 PRINT SHOP 4,359 4,359 398.2 KITCHEN EQUIPMENT 28,865 28,865 398.3 JANITORIAL EQUIPMENT 14,873 14,873 398.4 INSTALLED IN LEASED BUILDINGS 10,120 14,873 398.5 OTHER MISCELLANEOUS EQUIPMENT 66,739 66,739 398.5 OTHER MISCELLANEOUS EQUIPMENT 66,739 66,739 General Plant Subtotal 323,595,952 67,706,592 (14,610,284) 4,155,323,547 FERC 101 - GL Account 160005 85,966,407 4,155,323,547 FERC 101 - GL Account 160010 (22,203) FERC 101 - GL Account 142105 1,897,662 2,415,440 Utility Property Under Capital Leases 88,118,279 Utility Property Under Capital Leases 88,118,279 <	397.5 TELEPHONE EQUIPMENT	340,671	_	_	_	_	340,671
398.2 KITCHEN EQUIPMENT 28,865 - - - - 28,865 398.3 JANITORIAL EQUIPMENT 14,873 - - - 14,873 398.4 INSTALLED IN LEASED BUILDINGS 10,120 - - - 10,120 398.5 OTHER MISCELLANEOUS EQUIPMENT 66,739 - - - - 66,739 General Plant Subtotal 323,595,952 67,706,592 (14,610,284) - - 4,155,323,547 Utility Property Grand Total* 3,855,018,238 356,894,738 (56,589,434) - - 4,155,323,547 FERC 101 - GL Account 160005 85,966,407 - - 62,203 (22,203 FERC 101 - GL Account 160005 85,966,407 - - - - - - - (22,203 - <	398 GEN PLANT-MISCELLANEOUS EQU	_	_	_	_	_	_
398.3 JANITORIAL EQUIPMENT 14,873 - - - - 14,873 398.4 INSTALLED IN LEASED BUILDINGS 10,120 - - - 10,120 398.5 OTHER MISCELLANEOUS EQUIPMENT 66,739 - - - - 66,733 General Plant Subtotal 323,595,952 67,706,592 (14,610,284) - - 4,155,323,541 Utility Property Grand Total* 3,855,018,238 356,894,738 (56,589,434) - - 4,155,323,541 FERC 101 - GL Account 160005 85,966,407 - 66,730 - (22,203) FERC 101 - GL Account 160000 - - - (22,203) - - - - - - 2,415,446 -	398.1 PRINT SHOP	4,359	_	_	_	_	4,359
398.4 INSTALLED IN LEASED BUILDINGS 10,120 10,120 398.5 OTHER MISCELLANEOUS EQUIPMENT 66,739 66,739 General Plant Subtotal 323,595,952 67,706,592 (14,610,284) 376,692,261 Utility Property Grand Total* 3,855,018,238 356,894,738 (56,589,434) 4,155,323,541 FERC 101 - GL Account 160005 85,966,407 86,016,680 (22,203) (22,203) FERC 101 - GL Account 160010 (22,203) FERC 101 - GL Account 142105 1,897,662 2,415,446 4,155,323,541 <t< td=""><td>398.2 KITCHEN EQUIPMENT</td><td>28,865</td><td>_</td><td>_</td><td>_</td><td>_</td><td>28,865</td></t<>	398.2 KITCHEN EQUIPMENT	28,865	_	_	_	_	28,865
398.5 OTHER MISCELLANEOUS EQUIPMENT 66,739 - - - - - 66,739 General Plant Subtotal 323,595,952 67,706,592 (14,610,284) - - 376,692,261 Utility Property Grand Total* 3,855,018,238 356,894,738 (56,589,434) - - 4,155,323,541 FERC 101 - GL Account 160005 85,966,407 86,016,680 (22,203) - (22,203) FERC 101 - GL Account 160010 - - - (22,203) - - - 2,415,446 - <t< td=""><td>398.3 JANITORIAL EQUIPMENT</td><td>14,873</td><td>_</td><td>_</td><td>_</td><td>_</td><td>14,873</td></t<>	398.3 JANITORIAL EQUIPMENT	14,873	_	_	_	_	14,873
General Plant Subtotal 323,595,952 67,706,592 (14,610,284) — — — — 376,692,261 Utility Property Grand Total* 3,855,018,238 356,894,738 (56,589,434) — — 4,155,323,541 FERC 101 - GL Account 160005 85,966,407 86,016,680 86,016,680 (22,203) FERC 101 - GL Account 160010 — — — 4,155,323,541 86,016,680 (22,203) (22,203) 86,016,680 (22,203) 86,016,680 (22,203) 86,016,680 (22,203) (23,213) (24,213) (24,213) (24,213) (24,213) (24,213) (24,213) (24,213) (24,213) (24,213) (24,213) (24,213) (24,213) (24,213) (24,213) (24,213) (24,213) (24,213) (24,213)	398.4 INSTALLED IN LEASED BUILDINGS	10,120	_	_	_	_	10,120
Utility Property Grand Total* 3,855,018,238 356,894,738 (56,589,434) 4,155,323,541 FERC 101 - GL Account 160005 85,966,407 86,016,680 (22,203) FERC 101 - GL Account 160010 (22,203) (22,203) FERC 101 - GL Account 142105 1,897,662 2,415,446 (24,210) FERC 101 - GL Account 142110 254,210 Utility Property Under Capital Leases 88,118,279	398.5 OTHER MISCELLANEOUS EQUIPMENT	66,739	_	_	_	_	66,739
FERC 101 - GL Account 160005 85,966,407 86,016,680 FERC 101 - GL Account 160010 — (22,203) FERC 101 - GL Account 142105 1,897,662 2,415,446 FERC 101 - GL Account 142110 254,210 — Utility Property Under Capital Leases 88,118,279 88,409,922	General Plant Subtotal	323,595,952	67,706,592	(14,610,284)	_	_	376,692,261
FERC 101 - GL Account 160010 — (22,203 FERC 101 - GL Account 142105 1,897,662 2,415,446 FERC 101 - GL Account 142110 254,210 — Utility Property Under Capital Leases 88,118,279 88,409,922	Utility Property Grand Total*	3,855,018,238	356,894,738	(56,589,434)		_	4,155,323,541
FERC 101 - GL Account 160010 — (22,203 FERC 101 - GL Account 142105 1,897,662 2,415,446 FERC 101 - GL Account 142110 254,210 — Utility Property Under Capital Leases 88,118,279 88,409,922							00.040.000
FERC 101 - GL Account 142105 1,897,662 2,415,446 FERC 101 - GL Account 142110 254,210 Utility Property Under Capital Leases 88,118,279 88,409,922							
FERC 101 - GL Account 142110 254,210							(22,203)
Utility Property Under Capital Leases 88,118,279 88,409,922							2,415,446
		,				_	_
TOTAL Utility Plant * 3,943,136,517 4,243,733,463	Utility Property Under Capital Lease	s <u> </u>				=	88,409,922
	TOTAL Utility Plant	*				_	4,243,733,463

ACCOUNT SUMMARY BY FUNCTIONAL CLASS NW Natural

							I
						Period Beginning: Period Ending:	January 2022 December 2022
Functional C	lass	Beginning				i onou Liunigi	Ending
FERC Plant	t Account	Balance	Additions	Retirements	Transfers	Adjustments	Balance*
NON-UTILITY	1						
Intangible Pla	ant						
303.1	COMPUTER SOFTWARE	163,357	_	(163,357)	_	_	_
303.2	CUSTOMER INFORMATION SYSTEM	61,429	_	_	_	_	61,429
Non Utility	Intangible Plant Subtotal*	224,786	_	(163,357)	_	_	61,429
Natural Gas	Underground Storage						
352	WELLS	20,999,793	930,325	—	—	—	21,930,118
352.1	STORAGE LEASEHOLD & RIGHTS	1,020	—	—	—	—	1,020
352.2	RESERVOIRS	3,561,501	_	_	_	_	3,561,501
353	LINES	2,575,844	_	_	_	_	2,575,844
354	COMPRESSOR STATION EQUIPMENT	12,836,305	274,817	_	_	_	13,111,121
355	MEASURING / REGULATING EQUIPMENT	9,025,709	_	_	_	_	9,025,709
357	OTHER EQUIPMENT	63,256	_	_	—	_	63,256
Non Utility	Natural Gas Underground Storage Subtotal*	49,063,429	1,205,141	_	-	-	50,268,570
Transmissio	n Plant						
368	TRANSMISSION COMPRESSOR	7,723,454	_	_	_	_	7,723,454
Non Utility	Transmission Plant Subtotal*	7,723,454	_	_	_	_	7,723,454
Distribution I	Plant						
376.12	MAINS 4" & >	—	—	—	—	—	_
Non Utility	Distribution Plant Subtotal*	—	—	—	—	—	-
General Plan	t						
389	LAND	438,739	—	—	—	—	438,739
390	STRUCTURES & IMPROVEMENTS	250,296					250,296
Non Utility	General Plant Subtotal*	689,035	_	_	_	_	689,035

ACCOUNT SUMMARY BY FUNCTIONAL CLASS NW Natural

						Period Beginning:	January 2022
						Period Ending:	December 2022
Functional Cla	ass	Beginning					Ending
FERC Plant	Account	Balance	Additions	Retirements	Transfers	Adjustments	Balance*
NON-UTILITY							
Non Utility Ot	her						
121.1	NON-UTIL PROP-DOCK	1,946,033	_	—	_	—	1,946,033
121.2	NON-UTIL PROP-LAND	125,102	_	_	—	—	125,102
121.3	NON-UTIL PROP-OIL ST	5,891,879	(6,304)	_	—	—	5,885,574
121.7	NON-UTIL PROP-APPL CENTER	64,906	_	—	_	_	64,906
121.8	NON-UTIL PROP-STORAGE	96,038	—	_	_	_	96,038
Non Utility	Other*	8,123,958	(6,304)	_	-	_	8,117,654
	Non Utility Property Grand Total*	65,824,662	1,198,837	(163,357)	_	_	66,860,143

Non Utility Property Summary

	Non Utility Property Grand Total	66,860,143
121117	Gas Stored Underground - St. Helens	3,507,590
121707-8	Construction Work in Progress Non Utility	6,605,673
Balance Sheet To	76,973,406	

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🛛 A Resubmission		December 31, 2022

	Gas Property And Capacity Leased From Others						
4			· ·				
	port below the information called for concerning gas						
2. For	2. For all leases in which the average annual lease payment over the initial term of the lease exceeds \$500,000, describe in column (c), if applicable: the property or capacity leased. Designate associated companies with an asterisk in column (b).						
Line	Name of Lessor	*	Description of Lease	Lease Payments for Current Year			
No.	(a)	(b)	(C)	(d)			
1	Northwest Pipeline		Pipeline Capacity	48,727,639			
2	Tenaska Marketing Canada "Nova and Foothills"		Pipeline Capacity	13,268,197			
3	Fortis BC		Pipeline Capacity	12,149,806			
4	AB PR QOZB I Property LLC		Corporate Headquarter Building	6,610,215			
5	TransCanada "Gas Transmission NW"		Pipeline Capacity	4,113,829			
6	Tenaska Marketing Canada "Southern Crossing"		Pipeline Capacity	3,814,250			
7	Tenaska Marketing Ventures		Pipeline Capacity	1,926,937			
8	International Paper		Pipeline Capacity	478,880			
9	Coos County Pipeline		Pipeline Capacity	416,693			
10	KB Pipeline	*	Pipeline Capacity	224,258			
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34 35	Total			04 720 704			
55	וטנמו			91,730,704			

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

Gas Plant Held for Future Use (Account 105)

1. Report separately each property held for future use at end of the year having an original cost of \$1,000,000 or more. Group property held for future use.

2. For property having an original cost of \$1,000,000 or more previously used in utility operations, now held for future use, give in column (a), in addition to other required information, the date that utility use of such property was discontinued, and the date the original cost was transferred to Account 105.

to Acc	ount 105.			
Line	Description and Location of Property	Date Originally Included in this account	Date Expected to be Used in Utility Service	Balance at End of Year
No.	(a)	(b)	(c)	(d)
1	Underground Storage	07/2009	Undetermined	127,921
2	Easement	11/2011	Undetermined	136,720
3	Willamette River Crossing - Engineering Costs	05/2015	Undetermined	705,427
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35	Total			970,068

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

Construction Work in Progress - Gas (Account 107)

1. Report below descriptions and balances at end of year of projects in process of construction (Account 107)

2. Show items relating to "research, development, and demonstration" projects last, under a caption Research, Development, and Demonstration (see Account 107 of the Uniform System of Accounts).

3. Minor projects (less than \$1,000,000) may be grouped.

0.1011			
Line	Description of Project	Construction Work in Progress - Gas (Account 107)	Estimated Additional Cost of Project
No.	(a)	(b)	(C)
1	Misc Information Services Projects	27,745,900	26,683,672
2	Mains and Services Jobs	27,141,540	17,357,166
3	Other	14,237,310	4,513,156
4	Portland LNG Readiness	4,013,879	6,280,726
5	Mist Projects	3,224,976	9,808,500
6	Misc Facilities Projects	1,598,761	15,673,813
7	Newport LNG Readiness	1,023,643	7,163,221
8	North Mist Projects	548,544	3,751,000
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34	Total	79,534,553	91,231,254

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

GENERAL DESCRIPTION OF CONSTRUCTION OVERHEAD PROCEDURE

1. For each construction overhead explain: (a) the nature and extent of work,etc., the overhead charges are intended to cover, (b) the general procedure for determining the amount capitalized, (c) the method of distribution to construction jobs, (d) whether different rates are applied to different types of construction, (e) basis of differentiation in rates for different types of construction, and (f) whether the overhead is directly or indirectly assigned.

2. Show below the computation of allowance for funds used during construction rates, in accordance with the provisions of Gas Plant Instructions 3 917) of the Uniform System of Accounts.

3. Where a net-of-tax rate for borrowed funds is used, show the appropriate tax effect adjustment to the computations below in a manner that clearly indicates the amount of reduction in the gross rate for tax effects.

GENERAL DESCRIPTION OF CONSTRUCTION OVERHEAD PROCEDURE

1. <u>Engineering Department</u> overhead covers transmission and distribution system planning, design work, drafting and platting of construction a) work.

Distribution Department overhead covers transmission and distribution system work scheduling, field supervision and processing of work completed.

Administrative work overhead includes Purchasing, Accounting and general office expense.

General Services Department overhead covers planning and supervision of general plant improvements and facilities.

b) Charges during the year are segregated into overhead accounts based on the proportion of activity devoted to construction work.
 Construction Overheads are being charged to individual work orders based upon overhead rates for different types of projects. Rates are

2022

- c) determined by type of project using the annual capital budget and annual construction overhead budget.
- d) Different rates are applied to different types of construction based on the annual capital budget for each type of plant.
- e) Actual construction overhead rates applied to types of work in:

a. Production, Storage, Transmission ar	nd Distribution plant	37%
b. Meters		91%
c. General Plant		5%
d. Non-Utility Property		21%
Direct assignment of construction overhe	ead capitalized during:	2022
		66,367,091

2. ALLOWANCE FOR FUNDS USED DURING CONSTRUCTION (AFUDC)

AFUDC is applied to previous month's ending balance plus half of current month's expenditures of Construction Work in Progress (CWIP).

3. N/A

f)

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

GENERAL DESCRIPTION OF CONSTRUCTION OVERHEAD PROCEDURE (CONTINUED)

COMPUTATION OF ALLOWANCE FOR FUNDS USED DURING CONSTRUCTION RATES

1. For Line (5), column (d) below, enter the rate granted in the last rate proceeding. If not available, use the average rate earned during the preceding 3 years.

2. Identify, in a footnote, the specific entity used as the source for the capital structure figures.

3. Indicate, in a footnote, if the reported rate of return is one that has been approved in a rate case, black-box settlement rate, or an actual three-year average rate.

Line	Title	Amount		Capitalization Ration (percent)	Cost	Rate Percentage		
No.	(a)	(b)		(C)		(d)		
	(1) Average Short-Term Debt	S 127	7,131,622					
	(2) Short-Term Interest				s	2.56%		
	(3) Long-Term Debt	D 994	4,700,000		d	4.42%		
	(4) Preferred Stock	Р	—		р	—		
	(5) Common Equity	C 977	7,500,000		с	9.40%		
	(6) Total Capitalization		—	100.00%				
	(7) Average Construction Work in Progress	W 163	3,426,109					
2.	Gross Rates for Borrowed Funds s(S/W)	+d[(D/(D+P+C))(1-(S/V	V)]	2.49 %	1			
3.	Rate for Other Funds [1-(S/W)] [p(P/(D+P+C)+c(C/(D+F	P+C)]	1.03 %				
4.	Weighted Average Rate Actually Used for th	e Year						
		a. Rate for Borrowed	d Funds -	1.73 %	1			
		b. Rate for Other Fu	nds -	1.08 %	1			
NOTE	: Capital structure figures are for NW Natural	Gas Company and rat	te of return	was approved by the OPUC rate	e case.			

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

Accumulated Provision for Depreciation of Gas Utility Plant (Account 108)

1. Explain in a footnote any important adjustments during year.

2. Explain in a footnote any difference between the amount for book cost of plant retired, line 10, column (c), and that reported for gas plant in service, page 204-209, column (d), excluding retirements of nondepreciable property.

3. The provisions of Account 108 in the Uniform System of Accounts require that retirements of depreciable plant be recorded when such plant is removed from service. If the respondent has a significant amount of plant retired at year end which has not been recorded and/or classified to the various reserve functional classifications, make preliminary closing entries to tentatively functionalize the book cost of the plant retired. In addition, include all costs included in retirement work in progress at year end in the appropriate functional classifications.

4. Show separately interest credits under a sinking fund or similar method of depreciation accounting.

5. At lines 7 and 14, add rows as necessary to report all data. Additional rows should be numbered in sequence, e.g., 7.01, 7.02, etc.

SEE FOLLOWING PAGES

RESERVE BALANCES AND ACTIVITY BY FUNCTIONAL CLASS

NW NATURAL

Period Beginning: January 2022

								Period Ending:	December 2022
Function	al Class	Beginning			Cost of	Salvage and	Transfers and		Ending
FERC I	Plant Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
UTILITY									
Intangibl	e Plant								
301	ORGANIZATION	_	_	_	_	_	_	_	_
302	FRANCHISES & CONSENTS	_	_	_	_	_	_	_	_
303.1	COMPUTER SOFTWARE	41,180,817	6,711,593	(25,564,654)	_	_	_	_	22,327,755
303.11	COMPUTER SW HORIZON	_	813,380	_	_	_	_	_	813,380
303.12	COMPUTER SW TSA SECURITY DIRECTIVE	_	221,249	_	_	_	_	_	221,249
303.2	CUSTOMER INFORMATION SYSTEM	32,348,168	539	_	_	_	_	_	32,348,707
303.3	INDUSTRIAL & COMMERCIAL BIL	4,146,951	—	_	_	_	—	_	4,146,951
303.4	CRMS	_	—	_	_	_	—	_	_
303.5	POWERPLANT SOFTWARE	_	—	_	_	_	—	_	_
303.6	NMEP COMPUTER SOFTWARE	409,117	139,131	—	—	_	—	—	548,248
303.7	CLOUD-BASED SOFTWARE	2,416,859	3,403,972	_	_	_	_	_	5,820,831
303.71	CLOUD-BASED SW HORIZON	_	793,126	_	_	_	_	_	793,126
303.8	NWN ONLY NMEP COMPUTER SOFTW	276	311	_	_	_	_	_	586
	Intangible Plant Subtotal*	80,502,188	12,083,300	(25,564,654)	_	_	_	_	67,020,834
Producti	on Plant - Oil Gas	, ,							
304.1	LAND	_	_	_	_	_	_	_	_
305.2	P P O G STRU & IMPR-SEWER S	_	_	_	_	_	_	_	_
305.5	P P O G STRU & IMPR-OTHER Y	13,814	_	_	_	_	_	_	13,814
312.3	P P O G FUEL HANDLING AND S	_	_	_	_	_	_	_	
318.3	P P O G LIGHT OIL REFINING	152,141	_	_	_	_	_	_	152,141
318.5	P P O G TAR PROCESSING	255,729	_	_	_	_	_	_	255,729
325	NATURAL GAS PROD AND GATHER	_	_	_	_	_	_	_	_
327	NATURAL GAS PROD & GATHERIN	_	_	_	_	_	_	_	_
328	NATURAL GAS PROD AND GATHER	_	_	_	_	_	_	_	_
331	NATURAL GAS PROD & GATHERIN	_	_	_	_	_	_	_	_
332	NATURAL GAS PROD & GATHERIN	_	_	_	_	_	_	_	_
333	NATURAL GAS PROD & GATHERIN	_	_	_	_	_	_	_	_
334	NATURAL GAS PROD & GATHERIN	_	_	_	_	_	_	_	_
	Production Plant - Oil Gas Subtotal*	421,683	_	_	_	_	_	_	421,683
Producti	on Plant - Other								
305.11		8,736	_	_	_	_	_	_	8,736
	STRUCTURES MIXING STATION	51,246	_	_	_	_	_	_	51,246
311	P P OTHER-LIQUEFIED PETROLE		_	_	_	_	_	_	
311.4	P P OTHER-L P G GRANGER	_	_	_	_	_	_	_	_
311.7	LIQUIFIED GAS EQUIPMENT COO	8,066	_	_	_	_	_	_	8,066
311.8	LIQUIFIED GAS EQUIPMENT LIN	6,585	_	_	_	_	_	_	6,585
319	GAS MIXING EQUIPMENT GASCO	194,720	_	_	_	_	_	_	194,720
	Production Plant - Other Subtotal*	269,353	_	_	_	_	_	_	269,353

* May not foot due to rounding.

Oregon and Washington Provision for Depreciation

RESERVE BALANCES AND ACTIVITY BY FUNCTIONAL CLASS NW NATURAL

				WNATURAL				Period Beginning:	January 2022
								Period Ending:	December 2022
Function	al Class	Beginning			Cost of	Salvage and	Transfers and		Ending
FERC F	Plant Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
UTILITY									
Natural G	Gas Underground Storage								
350.1	LAND	_	_	_	_	_	_	_	_
350.2	RIGHTS-OF-WAY	35,139	1,564		_	_	_	_	36,703
350.3	NMEP RIGHTS-OF-WAY	22,887	8,539		_	_	_	_	31,426
350.4	NMEP LAND	3	1		_	—	_	-	3
350.5	NWN ONLY NMEP RIGHTS-OF-WAY	33	41		_	—	_	-	75
350.6	NWN ONLY NMEP- LAND	—	—		_	—	_	-	—
351	STRUCTURES AND IMPROVEMENTS	3,315,503	136,062		_	_	_	_	3,451,565
351.1	NMEP STRUCTURES AND IMPROVEMENTS	907,107	300,729		_	—	_	-	1,207,836
351.2	NWN ONLY NMEP STRUCTURES & IMPROVM	472	584		_	—	_	-	1,057
352	WELLS	13,451,111	480,076		_	—	_	-	13,931,187
352.1	STORAGE LEASEHOLD & RIGHTS	1,942,698	62,819		_	_	_	_	2,005,517
352.2	RESERVOIRS	3,051,185	122,421		_	_	_	_	3,173,606
352.3	NON-RECOVERABLE NATURAL GAS	3,862,011	99,834		_	—	_	-	3,961,845
352.4	NMEP WELLS	873,034	342,060		_	_	_	_	1,215,093
352.5	NMEP STORAGE LEASEHOLD & RIGHTS	134,636	49,718		_	_	_	_	184,354
352.6	NMEP RESERVOIRS	139,104	51,580		_	_	_	_	190,684
352.7	NMEP NON-RECOVERABLE NATURAL GAS	133,029	49,745		_	_	_	_	182,774
352.8	NWN ONLY NMEP WELLS	1,469	1,745	_	_	_	_	_	3,215
352.9	NWN ONLY NMEP STOR LEASEH & RIGHTS	239	282	_	_	_	_	_	521
352.10		246	296	_	_	_	_	_	542
		236	287		_	_	_	_	524
353	LINES	3,804,224	190,932	_	_	_	_	_	3,995,156
353.1		24,566	9,493	_		_	_	_	34,059
353.2	NWN ONLY NMEP LINES	(201,976)	32	_	_	_	_	_	(201,944
354	COMPRESSOR STATION EQUIPMENT	16,600,158	526,151	_	_	_	_	_	17,126,309
354.7	NMEP COMPRESSOR STATION EQUIPMENT	1,607,300	582,996			_	_	_	2,190,296
354.7	NWN ONLY NMEP COMPRES STATEQUIP	4,436	5,528		_	_	_	_	2,190,290
354.8	MEASURING / REGULATING EQUIPM	4,430 5,342,581	468,931		_	_	_	_	5,811,511
				—	_	—	_		
355.1		583,498	233,327	_	_	_	_	-	816,825
355.2	NWN ONLY NMEP MEASURING / REG EQUIP	1,012	1,352	_	_	_	—	-	2,364
356		718,262	438,405	_	_	_	_	-	1,156,666
356.1		448,537	156,369	_	_	_	_	_	604,906
357	OTHER EQUIPMENT Natural Gas Underground Storage Subtotal*	1,138,826 57,941,566	115,035 4,436,933	_					1,253,861 62,378,499

RESERVE BALANCES AND ACTIVITY BY FUNCTIONAL CLASS NW NATURAL

			NW NATURAL					
							Period Beginning: Period Ending:	January 2022 December 2022
Functional Class	Beginning			Cost of	Salvage and	Transfers and	Period Ending.	Ending
FERC Plant Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
UTILITY							2000/(00)	
Local Storage Plant								
360.11 LAND - LNG LINNTON	_	_	_	_	_	_	_	_
360.12 LAND - LNG NEWPORT	(242)	_	_	_	_	_	_	(242)
360.2 LAND - OTHER	(,	_	_	_	_	_	_	(,
361.11 STRUCTURES & IMPROVEMENTS	3,976,852	454,753	_	_	_	_	_	4,431,605
361.12 STRUCTURES & IMPROVEMENTS	4,194,877	513,474	_	_	_	_	_	4,708,351
361.2 STRUCTURES & IMPROVEMENTS -	13,312	464	_	_	_	_	_	13,776
362.11 GAS HOLDERS - LNG LINNTON	2,805,308	129,316	_	_	_	_	_	2,934,624
362.12 GAS HOLDERS - LNG NEWPORT	6,326,012	96,019	_	_	_	_	_	6,422,031
362.2 GAS HOLDERS - LNG OTHER	1,282	16	_	_	_	_	_	1,297
363.11 LIQUEFACTION EQUIP LINN	2,785,740	53,851	_	_	_	_	_	2,839,591
363.12 LIQUEFACTION EQUIP - NEWPO	7,548,919	208,490	_	_	_	_	_	7,757,409
363.21 VAPORIZING EQUIP - LINNTON	2,514,871	42,431	_	_	_	_	_	2,557,302
363.22 VAPORIZING EQUIP - NEWPORT	770,419	224,949	_	_	_	_	_	995,368
363.31 COMPRESSOR EQUIP - LINNTON	208,476	3,540	_	_	_	_	_	212,017
363.32 COMPRESSOR EQUIPMENT - NE	1,865,737	387,061	_	_	_	_	_	2,252,798
363.41 MEASURING & REGULATING EQU	999,163	191,186	_	_	_	_	_	1,190,349
363.42 MEASURING & REGULATING EQU	293,023	125,808	_	_	_	_	_	418,832
363.5 CNG REFUELING FACILITIES	1,671,865	79,842	_	_	_	_	_	1,751,707
363.6 LNG REFUELING FACILITIES	739,473	592	_	_	_	_	_	740,065
Local Storage Plant Subtotal*	36,715,086	2,511,793	_	_	_	_	_	39,226,879
Transmission Plant								
365.1 LAND	_	_	_	_	_	_	_	_
365.2 LAND RIGHTS	2,420,713	95,752	_	_	_	_	_	2,516,465
365.3 NMEP LAND RIGHTS	29,040	10,439	_	_	_	_	_	39,479
365.4 NWN ONLY NMEP LAND RIGHTS	50	60	_	_	_	_	_	110
366.3 STRUCTURES & IMPROVEMENTS -	439,926	27,056	_	_	_	_	_	466,982
367 MAINS	46,820,441	3,806,076	_	_	_	_	_	50,626,517
367.21 NORTH MIST TRANSMISSION LI	1,280,286	33,443	_	_	_	_	_	1,313,728
367.22 SOUTH MIST TRANSMISSION LI	11,728,110	230,717	_	_	_	_	_	11,958,827
367.23 SOUTH MIST TRANSMISSION LI	16,607,368	662,164	_	_	_	_	_	17,269,532
367.24 11.7M S MIST TRANS LINE	7,174,133	332,149	_	_	_	_	_	7,506,282
367.25 12M NORTH S MIST TRANS	7,347,231	356,141	_	_	_	_	_	7,703,372
367.26 38M NORTH S MIST TRANS	27,112,628	1,304,381	_	_	_	_	_	28,417,009
367.27 NMEP MAINS	4,550,464	1,655,199	_	_	_	_	_	6,205,663
367.28 NWN ONLY NMEP MAINS	4,819	6,446	_	_	_	_	_	11,265
368 TRANSMISSION COMPRESSOR	(9)	_	_	_	_	_	_	(9)
369 MEASURING & REGULATE STATION	1,907,740	82,433	_	_	_	_	_	1,990,173
370 COMMUNICATION EQUIPMENT	_	_	_	_	_	_	_	_
Transmission Plant Subtotal*	127,422,941	8,602,454	_	_	_	_	_	136,025,395

RESERVE BALANCES AND ACTIVITY BY FUNCTIONAL CLASS NW NATURAL

									I
								Period Beginning: Period Ending:	January 202 December 202
Function	al Class	Beginning			Cost of	Salvage and	Transfers and		Ending
FERC I	Plant Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
UTILITY									
Distribut	ion Plant								
374.1	LAND	_	_	_	_	_	_	_	_
374.2	LAND RIGHTS	1,712,848	9,305	_	_	_	_	_	1,722,154
375	STRUCTURES & IMPROVEMENTS	156,745	27,082	_	_	_	_	_	183,82
376.11	MAINS < 4"	385,875,772	16,692,397	(84,499)	(1,425,051)	15,409	_	_	401,074,02
376.12	MAINS 4" & >	277,888,565	16,251,584	(174,429)	(1,269,315)	16,823	_	_	292,713,22
376.13	MNEP MAINS 4" & >	39,367	15,379	_	_	_	_	_	54,74
377	COMPRESSOR STATION EQUIPMENT	699,564	10,516	_	_	_	_	_	710,08
378	MEASURING & REG EQUIP - GENER	15,627,763	1,047,448	_	_	_	_	_	16,675,21
378.1	MEASURING & REG EQUIP - RNG	1,847	(5,058)	_	_	_	_	_	(3,21
379	MEASURING & REG EQUIP - GATE	4,011,022	444,705	_	_	_	_	_	4,455,72
380	SERVICES	484,656,492	24,517,207	(208,254)	(4,137,277)	_	_	_	504,828,16
381	METERS	19,026,190	202,874	—	_	11,177	_	_	19,240,24
381.1	METERS (ELECTRONIC)	2,091,193	(380,000)	—	_	_	_	_	1,711,19
381.2	ERT (ENCODER RECEIVER TRANS	19,433,251	(2,607,835)	—	_	_	_	_	16,825,41
382	METER INSTALLATIONS	4,667,816	1,206,375	(1,216,290)	—	—	—	—	4,657,90
382.1	METER INSTALLATIONS (ELECTR	204,240	43,027	—	—	—	—	-	247,26
382.2	ERT INSTALLATION (ENCODER	6,075,640	195,670	(84,095)	—	—	—	-	6,187,21
383	HOUSE REGULATORS	543,787	79,082	—	—	—	—	-	622,86
386	OTHER PROPERTY ON CUSTOMERS P	511,391	122,656	—	—	—	—	-	634,04
386.1	MULTI-FAMILY METER ROOMS	—	_	—	—	—	_	—	-
387.1	CATHODIC PROTECTION TESTING	147,699	1,469	—	—	—	—	—	149,16
387.2	CALORIMETERS @ GATE STATIONS	96,424	—	—	—	—	—	—	96,42
387.3	METER TESTING EQUIPMENT	72,671							72,67
	Distribution Plant Subtotal*	1,223,540,280	57,873,887	(1,767,567)	(6,831,643)	43,409	—	_	1,272,858,36

RESERVE BALANCES AND ACTIVITY BY FUNCTIONAL CLASS NW NATURAL

Period Beginning: January 2022

								Period Ending:	December 2022
Function	al Class	Beginning			Cost of	Salvage and	Transfers and		Ending
FERC I	Plant Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
UTILITY									
General F	Plant								
389	LAND	426,129	_		_	_	_	—	426,129
390	STRUCTURES & IMPROVEMENTS	16,190,755	2,567,821	_	_	_	—	—	18,758,576
390.1	SOURCE CONTROL PLANT	6,528,063	479,783	_	_	_	—	—	7,007,847
391.1	OFFICE FURNITURE & EQUIPMEN	6,597,384	702,850	(150,625)	_	_	_	—	7,149,609
391.2	COMPUTERS	26,058,461	7,822,105	(10,028,626)	_	_	_	_	23,851,940
391.21	COMPUTERS HORIZON	_	108,802	_	_	_	_	_	108,802
391.22	COMPUTERS TSA SECURITY DIRECTIVE	_	1,064,346	_	_	_	_	_	1,064,346
391.3	ON SITE BILLING	_	_		_	_	_	_	_
391.4	CUSTOMER INFORMATION SYSTEM	_	_	_	_	_	_	_	_
391.5	NMEP COMPUTERS	261,454	122,834		_	_	_	_	384,288
391.6	NMEP POWER OPERATED EQUIPMENT	1,080	1,364		_	_	_	_	2,443
392	TRANSPORTATION EQUIPMENT	16,719,520	2,603,457	(810,292)	_	481,303	_	_	18,993,988
393	STORES EQUIPMENT	119,406	_	_	_	_	_	_	119,406
394	TOOLS - SHOP & GARAGE EQUIPUI	6,653,407	615,044		_	28,913	_	_	7,297,364
395	LABORATORY EQUIPMENT	(32)	(8)		_	_	_	_	(39
396	POWER OPERATED EQUIPMENT	2,882,211	112,301	(283,891)	_	316,493	_	_	3,027,114
396.1	NMEP POWER OPERATED EQUIPMENT	5,857	11,206	_	_	· —	_	_	17,064
397	GEN PLANT-COMMUNICATION EQU	47,828	6,439	(17,683)	_	_	_	_	36,584
397.1	MOBILE	997,861	407,251		_	_	_	_	1,405,112
397.2	OTHER THAN MOBILE & TELEMET	(45,361)	(13,462)	_	_	_	_	_	(58,823
397.3	TELEMETERING - OTHER	1,352,933	749,673	(53,242)	_	_	_	_	2,049,364
397.4	TELEMETERING - MICROWAVE	1,055,153	399,152	(61,120)	_	_	_	_	1,393,185
397.5	TELEPHONE EQUIPMENT	352,519	5,350	(, , , , , , , , , , , , , , , , , , ,	_	_	_	_	357,869
398	GEN PLANT-MISCELLANEOUS EQU			_	_	_	_	_	
398.1	PRINT SHOP	2,795	(410)	_	_	_	_	_	2,385
398.2	KITCHEN EQUIPMENT	10,006	2,253	_	_	_	_	_	12,259
398.3	JANITORIAL EQUIPMENT	14,873	_,	_	_	_	_	_	14,873
398.4	INSTALLED IN LEASED BUILDINGS	10,120	_	_	_	_	_	_	10,120
398.5	OTHER MISCELLANEOUS EQUIPMENT	66,739	_	_	_	_	_	_	66,739
	General Plant Subtotal*	86,309,163	17,768,151	(11,405,478)	_	826,709	_	_	93,498,545
	Utility Property Grand Total*	1,613,122,259	103,276,518	(38,737,699)	(6,831,643)	870,118		_	1,671,699,553

RESERVE BALANCES AND ACTIVITY BY FUNCTIONAL CLASS

NW NATURAL

Period Beginning: January 2022 Beriod Ending: December 2022

								Period Ending:	December 2022
Functional Cl	ass	Beginning			Cost of	Salvage and	Transfers and		Ending
FERC Plan	t Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
NON UTILITY									
Intangible Pla	ant								
303.1	COMPUTER SOFTWARE	93,273	9,714	(163,357)	—	_	—	—	(60,369)
303.2	CUSTOMER INFORMATION SYSTEM	50,086	5	_	_	_	_	_	50,091
Non Utility	Intangible Plant Subtotal*	143,359	9,719	(163,357)	_	_	-	—	(10,278)
Natural Gas L	Inderground Storage								
352	WELLS	5,104,880	312,986	_	_	_	_	_	5,417,866
352.1	STORAGE LEASEHOLD & RIGHTS	292	16	_	_	_	_	_	308
352.2	RESERVOIRS	1,129,473	59,952	_	_	_	_	_	1,189,425
353	LINES	580,269	53,019	_	_	_	_	_	633,289
354	COMPRESSOR STATION EQUIPMENT	5,115,683	246,714	_	_	_	_	_	5,362,396
355	MEASURING / REGULATING EQUIPM	2,723,663	204,366	_	_	_	_	_	2,928,029
357	OTHER EQUIPMENT	17,147	1,409	_	_	_	_	_	18,555
Non Utility	Natural Gas Underground Storage Subtotal*	14,671,406	878,461	_	_	_	_	_	15,549,867
Transmissior	n Plant								
368	TRANSMISSION COMPRESSOR	3,050,541	164,768	_	_	_	_	_	3,215,308
Non Utility	Transmission Plant Subtotal*	3,050,541	164,768	_	_	_	_	_	3,215,308
Distribution F	Plant								
376.12	MAINS 4" & >	1,365	157	_	_	_	_	_	1,522
Non Utility	Distribution Plant Subtotal*	1,365	157	_	_			_	1,522
General Plant									
389	LAND	_	_	_	_	_	_	_	_
390	STRUCTURES & IMPROVEMENTS	55,496	5,611	_	_	_	_	_	61,106
Non Utility	General Plant Subtotal*	55,496	5,611	_	_	_	_	_	61,106
Non Utility Of	ther								
121.1	NON-UTIL PROP-DOCK	1,947,067	13,752	_	_	_	_	_	1,960,819
121.2	NON-UTIL PROP-LAND	· · · —	· —	_	_	_	_	_	_
121.3	NON-UTIL PROP-OIL ST	2,317,342	35,771	_	_	_	_	_	2,353,113
121.7	NON-UTIL PROP-APPL CENTER	56,088	3,854	_	_	_	_	_	59,943
121.8	NON-UTIL PROP-STORAGE	(1)	· —	_	_	_	_	_	(1)
Non Utility	Other*	4,320,496	53,377	_	_	_	_	—	4,373,873
	Non Utility Property Grand Total*	22 242 662	1,112,093.61	(163,356.63)	_				23,191,398.71
	Non Ounty Property Orana Total	22,272,302	1,112,033.01	(100,000.00)					20,101,000.71

RESERVE BALANCES AND ACTIVITY BY FUNCTIONAL CLASS NW NATURAL

Period Beginning: January 2022

Functional Class	Beginning			Cost of	Salvage and	Transfers and		Ending
FERC Plant Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve
TOTAL SUMMARY ALL UTILITY DEPRECIA		12/31/2022	Retirementa	Removal	Other Oreans	Aujustments	Loss/(Call)	Reserve
		12/31/2022						
UTILITY 145006	(10 205 277)							
145009	(10,385,377) (263,551)							
145009	967,454							
145012	(230,024)							
145018	(4,758,646)							
145021	(84,018,499)							
145024	1,265,187,738							
145027	24,304,964							
145030	(5,319,363)							
145033	(1,645,265)							
145036	3,712,352							
145039	11,611,469							
169010	6,613,957							
145045	_							
260005	463,559,290							
260010	2,532,234							
145048	31,848							
145051 145060	(202,000) 971							
	9/1	4 024 000 220						
SUBTOTAL*	-	1,671,699,553						
ADD:								
145003 REMOVAL WORK IN PROCESS		(66,764,190)						
160205 ROU UTIL LEAS ACC DE		13,274,179						
145205 FIN UTIL LEA ACC DEP		132,879						
145060 COST OF REMOVAL		—						
145063 OR METER/ERT's		(1,775,148)						
145066 WA METER/ERT's	_	(243,552)						
TOTAL UTILITY DEPRECIATIO	N*	1,616,323,721						
TOTAL SUMMARY ALL NON-UTILITY RESI	ERVES DEPRECIATION							
NON UTILITY								
145405	(124,325)							
145410	1,034							
145415	4,582,025							
145420	17,846,564							
145425	(764,395)							
260015								
TOTAL NON UTILITY DEPRECIA	1,650,496 TION*	23,191,399						
I UTAL NON UTILITT DEPRECIA		23,191,399						

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

GAS STORED (ACCOUNTS 117.1, 117.2, 117.3, 117.4, 164.1, 164.2, AND 164.3)

1. If during the year adjustments were made to the stored gas inventory reported in columns (d), (f), (g) and (h) (such as to correct cumulative inaccuracies of gas measurements), explain in a footnote the reason for the adjustments, the Dth and dollar amount of adjustment, and account charged or credited.

2. Report in column (e) all encroachments during the year upon the volumes designated as base gas, column (b), and system balancing gas, column (c), and gas property recordable in the plant accounts.

3. State in a footnote the basis of segregation of inventory between current and noncurrent portions. Also, state in a footnote the method used to report storage (i.e.., fixed asset method or inventory method).

Line	Description	Base Gas (Account 117.1 - 117.8)	System Balancing (Account)	Non Current (Account)	Account	Current Underground (Account 164.21 - 164.23)	LNG (Account 164.21 - 164.23)	LNG (Account 164.35, 164.36)	Total
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1	Balance at Beginning of Year	\$25,405,239		_	_	\$ 33,350,964	\$ 4,027,804		\$62,784,007
2	Gas Delivered to Storage	\$ —				\$ 73,234,339	\$ 5,488,303		\$78,722,642
3	Gas Withdrawn from Storage	\$ —				\$ 51,063,289	\$ 3,164,262		\$54,227,551
4	Other Debits and Credits	\$ —				\$ —	\$ —		\$ —
5	Balance at End of Year	\$25,405,239	\$	\$ —	\$ —	\$ 55,522,014	\$ 6,351,845	\$	\$87,279,098
6	Dekatherms	9,057,244		_	_	10,393,279	1,284,943		20,735,466
7	Amount Per Dekatherm	\$ 2.80	\$	\$ —	\$ —	\$ 5.34	\$ 4.94	\$	\$ 4.21
E a a fra	-1								

Footnotes:

1. Independent engineering studies are the basis for separation between noncurrent and current inventory.

2. See Notes to Consolidated Financial Statements for method used to report inventories of gas in storage (page 122-A).

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2)		December 31, 2022

INVESTMENTS (Accounts 123, 124, 136)

1. Report below investments in Accounts 123, Investments in Associated Companies, 124, Other Investments, and 136, Temporary Cash Investments.

2. Provide a subheading for each account and list thereunder the information called for:

(a) Investment in Securities - List and describe each security owned, giving name of issuer, date acquired and date of maturity. For bonds, also give principal amount, date of issue, maturity, and interest rate. For capital stock (including capital stock of respondent reacquired under a definite plan for resale pursuant to authorization by the Board of Directors, and included in Account 124, Other Investments, state number of shares, class, and series of stock. Minor investments may be grouped by classes. Investments included in Account 136, Temporary Cash Investments, also may be grouped by classes.

(b) Investment Advances - Report separately for each person or company the amounts of loans or investment advances which are properly includable in Account 123. Include advances subject to current repayment in account 145 and 146. With respect to each advance, show whether the advance is a note or open account.

			Book Cost at Beginning of Year (If book cost is different from cost to respondent, give cost to respondent in a footnote and explain	Purchases or Additions
Line	Description of Investment	*	difference.)	During the Year
No.	(a)	(b)	(c)	(d)
1	Account 123 Investments in Associated Companies		None	None
2				
3	Account 124 Other Investments - Investment in Life Insurance (1)		48,177,808	1,240,097
4				
5	Account 136 Temporary Cash Investments			
6	Marketable Securities			
7	Oregon Low Income Gas Assistance (OLGA) Investment Account		1,611,113	3,605,174
8	Oregon Low Income Energy Efficiency (OLIEE) Investment Account		6,587,276	5,826,840
9	Smart Energy Environmental Program Investment Account		362,746	4,650,478
10	Total Account 136 Temporary Cash Investments		8,561,135	14,082,492
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30				
⁽¹⁾ Pure	chases and additions represent the change in cash surrender value not additiona	l purch	ases of life insurance pol	licies.

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

INVESTMENTS (Accounts 123, 124, 136) (continued)

List each note giving date of issuance, maturity date, and specifying whether note is a renewal. Designate any advances due from officers, directors, stockholders, or employees.

3. Designate with an asterisk in column (b) any securities, notes or accounts that were pledged, and in a footnote state the name of pledges and purpose of the pledge.

4. If Commission approval was required for any advance made or security acquired, designate such fact in a footnote and cite Commission, date of authorization, and case or docket number.

5. Report in column (h) interest and dividend revenues from investments including such revenues from securities disposed of during the year.

6. In column (i) report for each investment disposed of during the year the gain or loss represented by the difference between cost of the investment (or the other amount at which carried in the books of account if different from cost) and the selling price thereof, not including any dividend or interest adjustment includible in column (h).

		Book Cost at End of Year of Year			
Sales or Other Dispositions During Year	Principal Amount or No. of Shares at End of Year	(If book cost is different from cost to respondent, give cost to respondent in a footnote and explain difference.)	Revenues for Year	Gain or Loss from Investment Disposed of	Line
(e)	(f)	(g)	(h)	(i)	No.
					1
					2
60,261	49,357,644	49,357,644	_	13,334	3
					4
					5
_	_	_	_	_	6
3,080,836	2,135,451	2,135,451		_	7
3,304,312	9,109,804	9,109,804	_	_	8
4,564,482	448,742	448,742	_	_	9
10,949,630	11,693,997	11,693,997	_	_	10
				_	11
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					30

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

INVESTMENT IN SUBSIDIARY COMPANIES (Account 123.1)

1. Report below investments in Accounts 123.1, Investments in Subsidiary Companies.

2. Provide a subheading for each company and list thereunder the information called for below. Sub-total by company and give a total in columns (e), (f), (g) and (h).

(a) Investment in Securities - List and describe each security owned. For bonds give also principal amount, date of issue, maturity, and interest rate.

(b) Investment Advances - Report separately the amounts of loans or investment advances which are subject to repayment, but which are not subject to current settlement. With respect to each advance show whether the advance is a note or open account. List each note giving date of issuance, maturity date, and specifying whether note is a renewal.

3. Report separately the equity in undistributed subsidiary earnings since acquisition. The total in column (e) should equal the amount entered for Account 418.1.

Line	Description of Investment	Date Acquired	Date of Maturity	Amount of Investment at Beginning of Year
No.	(a)	(b)	(c)	(d)
1	Northwest Energy Corporation ⁽¹⁾ - (Holding Company)	11/1/2001		63,403,206
2	NW Natural RNG Holding Company, LLC - (Holding Company)	11/4/2020		11,639,354
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30	TOTAL Cost of Account 123.1		TOTAL	75,042,560

⁽¹⁾ Earnings for Year for NWN Gas Reserves, a wholly-owned subsidiary of Northwest Energy Corporation, is included in Cost of Gas within Operation Expenses and is therefore excluded from Equity in Subsidiary Earnings for Year.

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

INVESTMENT IN SUBSIDIARY COMPANIES (Account 123.1) (Continued)

4. Designate in a footnote any securities, notes, or accounts that were pledged and purpose of pledge.

5. If commission approval was required for any advance made or security acquired, designate such fact in a footnote and give name of Commission, date of authorization, and case or docket number.

6. Report column (f) interest and dividend revenues from investments, including such revenues from securities disposed of during the year.

7. In column (h) report for each investment disposed of during the year, the gain or loss represented by the difference between cost of the investment (or the other amount at which carried in the books of account if different from cost) and the selling price thereof, not including interest adjustment includible in column (f).

8. Report on Line 40, column (a) the total cost of Account 123.1

1			Gain or Loss from	
Equity in Subsidiary Earnings for Year	Additional Investment for Year	Amount of Investment at End of Year	Investment Disposed of	Line
(e)	(f)	(g)	(h)	No.
6,353,325	(11,500,000)	58,256,531	_	1
(467,779)	6,020,000	17,191,575	_	2
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				29
5,885,546	(5,480,000)	75,448,106	_	30

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

Prepayments (acct 165), Extraordinary Property Losses (Acct 182.1), Unrecovered Plant and Regulatory Study Costs (Acct 182.2)

	PREPAYMENTS (Account 165)					
1. Re	1. Report below the particulars (details) on each prepayment.					
Line	Nature of Payment	Balance at End of Year (in dollars)				
No.	(a)	(b)				
1	Prepaid Taxes	16,226,985				
2	Prepaid Rents	451,923				
3	Prepaid Insurance	4,940,148				
4	Miscellaneous Prepayments	17,112,928				
5						
6						
7	TOTAL	38,731,984				

EXTRAORDINARY PROPERTY LOSSES (Account 182.1)										
Line	Description of Extraordinary Loss [Include the date of loss, the date of Commission authorization to use Account 182.1 and period of amortization (mo, yr, to mo, yr)] Add rows as necessary to report all data.	Balance at Beginning of Year	Total amount of loss	Losses Recognized During Year	Written off During Year Account charged	Written off During Year Amount	Balance at End of Year			
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)			
8	None	_	—	_	_	_	—			
9										
10										
11										
12										
13										
14										
15										
16	Total						_			

UNRECOVERED PLANT AND REGULATORY STUDY COSTS (Account 182.2)											
Line	Description of Unrecovered Plant and Regulatory Study Costs [Include in the description of costs, the date of Commission authorization to use Account 182.2 and period of amortization (mo, yr, to mo, yr)] Add rows as necessary to report all data. Number rows in sequence beginning with the next row number after the last row number used for extraordinary property losses.	Balance at Beginning of Year	Total amount of loss	Losses Recognized During Year	Written off During Year Account charged	Written off During Year Amount	Balance at End of Year				
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)				
17	None	—	—	_	—	—	—				
18											
19											
20											
21											
22											
23											
24											
25	Total						_				

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

OTHER REGULATORY ASSETS (ACCOUNT 182.3)

1. Report below the details called for concerning other regulatory assets which are created through the ratemaking actions of regulatory agencies (and not includable in other accounts).

2. For regulatory assets being amortized, show period of amortization in column (a).

3. Minor items (5% of the Balance at End of Year for account 182.3 or amounts less than \$250,000, whichever is less) may be grouped

4. Report separately any "Deferred Regulatory Commission Expenses" that are also reported on pages 350-351, Regulatory Commission Expenses.

						Written off	
				Written off During Period	Written off During Period	During Period	
	Description and Purpose of Other	Balance at Beginning of		Account	Amount	Amount Deemed	Balance at
Line	Regulatory Assets	Year	Debit (Credit)	charged	Recovered	Unrecoverable	End of Year
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	Deferred Income Taxes - Utility Plant	12,431,681	_	283	2,208,426	_	10,223,255
2	AFUDC Equity Deferred Taxes	2,385,962	626,085	283	83,546		2,928,501
3							
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29		44.047.040			0.004.070		40.454.750
30	Total	14,817,643	626,085		2,291,972	—	13,151,756

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2)		December 31, 2022

MISCELLANEOUS DEFERRED DEBITS (Account 186) 1. Report below the details called for concerning miscellaneous deferred debits. 2. For any deferred debit being amortized, show period of amortization in column (a). 3. Minor items (less than \$250,000) may be grouped by classes. Credits Balance at Credits Balance at End Beginning of Account Debits Line Description of Miscellaneous Deferred Debits Year Charged Amount of Year No. (b) (c) (d) (e) (f) (a) Pension and Other Retirement Benefits 116,439,880 2.988.418 18,014,803 101,413,495 1 Pension Deferral 1.826.742 2 45.432.722 7,131,060 40.128.404 3 Environmental - Accrued Future Liability 115,834,961 77,230,852 74,259,437 118,806,376 OR Environmental - Deferred Expenditures and 3rd Party 6,292,602 (960,842) (6,662,133) 4 Proceeds (13,915,577) WA Environmental - Deferred Expenditures and 3rd Party 5 Proceeds (588, 638)1,217,338 1,127,918 (499, 218)6 Deferred Derivative Activity 10,813,278 117,363,588 78,611,128 49,565,738 Leasehold Improvements Amortized Over Remaining Life 37,172,164 4,631,616 4,252,080 37,551,700 7 8 **Unbilled Revenue** (4,163,618) 29.814.202 25.730.561 (79,977 9 Headquarters Lease Deferral 5,660,562 1,260,478 6,921,040 10 **OR** - Decoupling (6,917,196) 34,131,393 45,054,916 (17, 840, 719)OR - Deferred Industrial DSM 9,394,597 10,532,049 11 8,003,842 11,922,804 12 OR - Warm 3,334,227 1,178,092 4,673,177 (160,858) 13 OR - Corporate Activity Tax (CAT) 359,488 2,322,743 2,682,231 14 **OR - Hood River Service Restoration** 569.348 569.348 15 **OR - Low Income Discount** 431,091 23,687 407,404 4,416,275 (2,272,008) 16 **OR - CPP Compliance** 2,144,267 17 WA - Low Income 509,039 984,612 760,615 733,036 18 **OR - Pension Withdrawal** 5,154,613 12,452 353,685 4,813,380 19 WA - Pension Withdrawal 595,094 1,438 40,832 555,700 20 **OR** - Energy Efficiency 657,447 43,215 700,662 21 WA - Energy Efficiency 2,116,520 4,431,041 5.839.184 708.377 22 OR - COVID Deferred Costs, Revenues & Cost Savings 6,944,594 10,120,596 6,764,948 10,300,242 WA - COVID Deferred Costs, Revenues & Cost Savings 23 470,311 565,117 269,949 765,479 OR - COVID Late Fee - Reserve⁽¹⁾ 24 (2,517,765) 1,759,751 2,401,015 (3, 159, 029)WA - COVID Late Fee - Reserve⁽¹⁾ 25 (132,999)78,552 (211,551) 3,730,918 5,565,743 1,911,880 7,384,781 26 **OR - Arrearage Management Plan** 27 WA - Arrearage Management Plan 67,339 198.484 1.952 263,871 940,409 10,222,669 5,679,453 28 **OR - TSA Security Directive** 5,483,625 29 WA - TSA Security Directive 82,077 1,022,472 321,729 782,820 30 OR - Horizon Program 5,951,927 12,836,473 10,469,605 8,318,795 31 WA - Horizon Program 763.537 1,641,002 1,356,544 1,047,995 10,844,541 10,769,946 32 **OR - Rate Mitigation** 74,595 7.966 33 WA - Rate Mitigation 776.395 768.429 7,446,593 936,477 34 Other 1,161,422 7,221,502 35 36 37 Total 344,529,926 363,003,729 319,460,135 388.073.666 (1) Reserve account represents a contra asset to the deferred late fees included within the COVID Deferral accounts. Accounting rules do not allow us to recognize the deferred forgone late fees until the Commissions approve amortization of the deferrals in customer rates

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Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

Accumulated Deferred Income Taxes (Account 190)

1. Report the information called for below concerning the respondent's accounting for deferred income taxes.

2. At Other (specify), include deferrals relating to other income and deductions.

3. Provide in a footnote a summary of the type and amount of deferred income taxes reported in the beginning-of-year and end-of-year balances for deferred income taxes that the respondent estimates could be included in the development of jurisdictional recourse rates.

			Changes During Year	Changes During Year
Line	Account Subdivisions	Balance at Beginning of Year	Amounts Debited to Account 410.1	Amounts Credited to Account 411.1
No.	(a)	(b)	(c)	(d)
1	Account 190			
2	Electric			
3	Gas	_	_	_
4				
5	Total (Total of lines 2 thru 4)	_	_	_
6				
7	TOTAL Account 190 (Total of lines 5 thru 6)	_	_	_
8	Classification of TOTAL			
9	Federal Income Tax			
10	State Income Tax			
11	Local Income Tax			

See FERC Annual Report pages 276-277

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

Accumulated Deferred Income Taxes (Account 190) (Continued)							
Changes During Year	Changes During Year	Adjustments Debits	Adjustments Debits	Adjustments Credits	Adjustments Credits		
Amounts Debited to Account 410.2	Amounts Credited to Account 411.2	Account No.	Amount	Account No.	Amount	Balance at End of Year	Line
(e)	(f)	(g)	(h)	(i)	(j)	(k)	No.
_	_	_	_	_	_	_	;
_	_	_	_	_	_	_	
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_	_	_	_	_	_	_	1
	•				-	•	
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_	_	_	_	_	_	_	1(
_	_	_	_	_	_	_	1

See FERC Annual Report pages 276-277

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

	CAPITAL STOCK (Acc	ount 201 and 204)					
1. Rep Show	1. Report below the detail called for concerning common and preferred stock at end of year, distinguishing separate series of any general class. Show separate totals for common and preferred stock.						
	2. Entries in column (b) should represent the number of shares authorized by the articles of incorporation as amended to end of year.						
	e details concerning shares of any class and series of stock authorize						
Issueu							
		Number of Shares	Par of Stated Value	Call Price at			
Line	Class and Series of Stock and Name of Stock Exchange	Authorized by Charter	per Share	End of Year			
No.	(a)	(b)	(C)	(d)			
1	Common Stock	100,000,000	N/A				
2	Preferred Stock (unissued and undesignated)	3,500,000	N/A				
3	Limited Voting Junior Preferred Stock ⁽¹⁾	1	1				
4							
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6							
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	I Natural has authorized, issued and outstanding, one share of Limite	ed Voting Preferred Stock (Go	u olden Share), \$1 par valu	ue, held by			

(1) NW Natural has authorized, issued and outstanding, one share of Limited Voting Preferred Stock (Golden Share), \$1 par value, held by GSS Holdings (NWN), Inc. As specified in OPUC Order 17-526, NW Natural is not entitled to file a voluntary petition for bankruptcy unless approved by the holder of the Golden Share, which must be an independent party. Except as provided in NW Natural's Amended and Restated Articles of Incorporation or as otherwise provided by law, the holder of the Junior Preferred Stock has no voting rights for any other purpose. The Golden Share is not entitled to receive or participate in dividends. The Golden Share is entitled in preference to the Common Stock, upon dissolution, liquidation or winding up of the Company, to payment of up to \$100 out of the net assets of the Company, and may be redeemed by the Company, at its election expressed by resolution of the Board of Directors and subject to the consent of the Commission, for \$100.

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

CAPITAL STOCK (Accounts 201 and 204) (Continued)						
4. The identification of each class of pre	4. The identification of each class of preferred stock should show the dividend rate and whether the dividends are cumulative or noncumulative.					
5. State in a footnote if any capital stock which has been nominally issued is nominally outstanding at end of year.						
6. Give particulars (details) in column (pledged, stating name of pledgee and p	a) of any nominal ourpose of pledge	lly issued capital sto	ck, reacquired stock	k, or stock in sinking	and other funds wh	ich is
Outstanding per Bal. Sheet (total amount outstanding without reduction for amts held by respondent)	Outstanding Per Bal. Sheet	Held by Respondent as Reacquired Stock (Acct 217)	Held by Respondent as Reacquired Stock (Acct 217)	Held by Respondent in Sinking and Other Funds	Held by Respondent in Sinking and Other Funds	
Shares	Amount	Shares	Cost	Shares	Amount	Line
(e)	(f)	(g)	(h)	(i)	(j)	No.
100	228,868,408					1
						2
1	1					3
						4
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Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2)		December 31, 2022

CAPITAL STOCK SUBSCRIBED, CAPITAL STOCK LIABILITY FOR CONVERSION, PREMIUM ON CAPITAL STOCK, AND INSTALLMENTS RECEIVED ON CAPITAL STOCK (Accounts 202, 203, 205, 206, 207 and 212)

1. Show for each of the above accounts the amounts applying to each class and series of capital stock.

2. For Account 202, Common Stock Subscribed, and Account 205, Preferred Stock Subscribed, show the subscription price and the balance due on each class at the end of year.

3. Describe in a footnote the agreement and transactions under which a conversion liability existed under Account 203, Common Stock Liability for Conversion, or Account 206, Preferred Stock Liability for Conversion, at the end of the year.

4. For Premium on Account 207, Capital Stock, designate with an asterisk any amounts representing the excess of consideration received over stated values of stocks without par value.

2 Account 205 - Preferred Stock Subscribed None 3 Account 203 and 206 - Capital Stock Liability for Conversion None 4 Account 207 - Premium on Capital Stock: None	otatoa				
1 Account 202 - Common Stock Subscribed None 2 Account 205 - Preferred Stock Subscribed None 3 Account 206 - Capital Stock Liability for Conversion None 4 Account 207 - Premium on Capital Stock: None 5 Account 212 - Installments Received on Capital Stock None 6 Image: Conversion of Capital Stock None 7 Image: Conversion of Capital Stock None 8 Image: Conversion of Capital Stock Image: Conversion of Capital Stock 9 Image: Conversion of Capital Stock Image: Conversion of Capital Stock 10 Image: Conversion of Capital Stock Image: Conversion of Capital Stock 11 Image: Conversion of Capital Stock Image: Conversion of Capital Stock 12 Image: Conversion of Capital Stock Image: Conversion of Capital Stock 14 Image: Conversion of Capital Stock Image: Conversion of Capital Stock 15 Image: Conversion of Capital Stock Image: Conversion of Capital Stock 16 Image: Conversion of Capital Stock Image: Conversion of Capital Stock 17 Image: Conversion of Capital Stock Image: Conversion of Capital Stock	Line	Name of Account and Description of Item	*	Number of Shares	Amount
2 Account 205 - Preferred Stock Liability for Conversion None 3 Account 203 and 206 - Capital Stock Liability for Conversion None 4 Account 207 - Premium on Capital Stock: None 5 Account 212 - Installments Received on Capital Stock None 6 Image: Conversion in the capital Stock in the capital St	No.	(a)	(b)	(c)	(d)
3 Account 203 and 206 - Capital Stock: None 4 Account 207 - Premium on Capital Stock: None 5 Account 212 - Installments Received on Capital Stock None 6 Image: Comparison of Capital Stock None 7 Image: Comparison of Capital Stock Image: Comparison of Capital Stock None 8 Image: Comparison of Capital Stock Image: Comparison of Capital Stock Image: Comparison of Capital Stock 9 Image: Comparison of Capital Stock Image: Comparison of Capital Stock Image: Comparison of Capital Stock 9 Image: Comparison of Capital Stock 9 Image: Comparison of Capital Stock of Capital Stock Image: Comparison of Capital Stock Image: Comparison of Capital Stock of C	1	Account 202 - Common Stock Subscribed			None
4 Account 207 - Premium on Capital Stock: Image: Comparison of Capital Stock	2	Account 205 - Preferred Stock Subscribed			None
5 Account 212 - Installments Received on Capital Stock Image: Constraint of the state of th	3	Account 203 and 206 - Capital Stock Liability for Conversion			None
6	4	Account 207 - Premium on Capital Stock:			None
7Image: constraint of the symbol is and t	5	Account 212 - Installments Received on Capital Stock			None
8	6				
9	7				
10 Image: Constraint of the second secon	8				
11	9				
12	10				
13Image: constraint of the symbol	11				
14Image: constraint of the symbol constraint o	12				
15Image: constraint of the symbol	13				
16Image: sector sec	14				
17Image: sector sec	15				
18Image: selection of the select	16				
19 Image: Constraint of the second secon	17				
20 Image: Constraint of the second secon	18				
21 22 22 23 23 24 24 25 26 26 27 28 29 29	19				
22	20				
23 <	21				
24 <	22				
25 <	23				
26 27 28 29	24				
27	25				
28 29 </td <td>26</td> <td></td> <td></td> <td></td> <td></td>	26				
29					
	28				
30 Total –	29				
	30	Total			—

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

OTHER PAID IN CAPITAL (Accounts 208 - 211) 1. Report below the balance at the end of the year and the information specified below for the respective other paid-in capital accounts. Provide a subheading for each account and show a total for the account, as well as total of all accounts for reconciliation with balance sheet, page 112. Explain changes made in any account during the year and give the accounting entries effecting such change. a) Donations Received from Stockholders (Account 208) - State amount and give briefly explain the origin and purpose of each donation. (b) Reduction in Par or Stated Value of Capital Stock (Account 209) - State amount and give briefly explain the capital changes that gave rise to amounts reported under this caption including identification with the class and series of stock to which related. (c) Gain on Resale or Cancellation of Reacquired Capital Stock (Account 210) - Report balance at beginning of year, credits, debits, and balance at end of year with a designation of the nature of each credit and debit identified by the class and series of stock to which related. (d) Miscellaneous Paid-In Capital (Account 211) - Classify amounts included in this account according to captions that, together with brief explanations, disclose the general nature of the transactions which gave rise to the reported amounts. Line Item Amount No. (b) (a) NONE 1 Account 208 - Donations Received from Stockholders 2 Account 209 - Reduction in Par or Stated Value of Capital Stock NONE 3 Account 210 - Gain on Resale or Cancellation of Reacquired Capital Stock 1,649,864 4 Balance At Beginning of Year 5 Credit: 6 Debit: 7 Balance at End of Year 1,649,864 8 Account 211 - Miscellaneous Paid-In Capital 9 Balance at Beginning of Year 209.114.937 10 179,387,813 Credit: 11 Debit: 12 Balance at End of Year 388,502,750 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 390,152,614 Total

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2)		December 31, 2022

	DISCOUNT ON CAPITAL STOCK (ACCOUNT 213)	
	port the balance at end of year of discount on capital stock for each class and series of capital stock. Use as mar all data.	y rows as necessary to
2. If a	ny change occurred during the year in the balance with respect to any class or series of stock, attach a statement e. State the reason for any charge-off during the year and specify the account charged.	giving details of the
Line	Class and Series of Stock	Balance at End of Year
No.	(a)	(b)
1	N/A	
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
	TOTAL	
	CAPITAL STOCK EXPENSE (ACCOUNT 214)	
1. Re report	port the balance at end of year of capital stock expenses for each class and series of capital stock. Use as many all data. Number the rows in sequence starting from the last row number used for Discount on Capital Stock abo	rows as necessary to ve.
2. If a chang	ny change occurred during the year in the balance with respect to any class or series of stock, attach a statement e. State the reason for any charge-off of capital stock expense and specify the account charged.	giving details of the
Line	Class and Series of Stock	Balance at End of Year
No.	(a)	(b)
15	Capital Stock Expense (Note 1)	4,118,163
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
	TOTAL	4,118,163
Note 1	: Capital Stock Expense balance is associated with common stock issuances that occurred prior to the holding of	

that became effective October 1, 2018.

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

SECURITIES ISSUED OR ASSUMED AND SECURITIES REFUNDED OR RETIRED DURING THE YEAR

1. Furnish a supplemental statement briefly describing security financing and refinancing transactions during the year and the accounting for the securities, discounts, premiums, expenses, and related gains or losses.

2. Provide details showing the full accounting for the total principal amounts, par value, or stated value of each class and series of security issued, assumed, retired, or refunded and the accounting for premiums, discounts, expenses, and gains or losses relating to the securities. Set forth the facts of the accounting clearly with regard to redemption premiums, unamortized discounts, expenses, and gain or losses relating to securities retired or refunded, including the accounting for such amounts carried in the respondent's accounts at the date of the refunding or refinancing transactions with respect to securities previously refunded or retired.

3. Include in the identification of each class and series of security, as appropriate, the interest or dividend rate, nominal date of issuance, maturity date, aggregate principal amount, par value or stated value, and number of shares. Give also the issuance of redemption price and name of the principal underwriting firm through which the security transactions were consummated.

4. Where the accounting for amounts relating to securities refunded or retired is other than that specified in General Instruction 17 of the Uniform System of Accounts, cite the Commission authorization for the different accounting and state the accounting method.

5. For securities assumed, give the name of the company for which the liability on the securities was assumed as well as details of the transactions whereby the respondent undertook to pay obligations of another company. If any unamortized discount, premiums, expenses, and gains or losses were taken over onto the respondent's books, furnish details of these amounts with amounts relating to refunded securities clearly earmarked.

Class of Security	Underwriter of Payee	Date	Stated or Par Value per Share	Number of Shares	Principal Amount or Par Value
Debt Securities Issued					
First Mortgage Bonds		9/30/2022			140,000,000
			Total Debt Issued		140,000,000
Debt Securities Retired NONE					
Common Stock NONE					

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

LONG-TERM DEBT (Account 221, 222, 223, and 224)

1. Report by Balance Sheet Account the details concerning long-term debt included in Account 221, Bonds, 222, Reacquired Bonds, 223, Advances from Associated Companies, and 224, Other Long-Term Debt.

2. For bonds assumed by the respondent, include in column (a) the name of the issuing company as well as a description of the bonds.

3. For advances from Associated Companies, report separately advances on notes and advances on open accounts. Designate demand notes as such. Include in column (a) names of associated companies from which advances were received.

4. For receivers' certificates, show in column (a) the name of the court and date of court order under which such certificates were issued.

Line		ation and Name of Stock ange	Nominal Date of Issue	Date of Maturity	Outstanding (Total amount outstanding without reduction for amounts held by respondent)
No.	(4	a)	(b)	(c)	(d)
1	Account 221				
2	First Mortgage Bonds				
3					
4	3.542 %	Series B	8/19/2013	8/19/2023	50,000,000
5	5.620 %	Series B	11/21/2003	11/21/2023	40,000,000
6	7.720 %	Series B	9/6/2000	9/1/2025	20,000,000
7	6.520 %	Series B	12/1/1995	12/1/2025	10,000,000
8	7.050 %	Series B	10/15/1996	10/15/2026	20,000,000
9	3.211 %	Series B	12/5/2016	12/5/2026	35,000,000
10	7.000 %	Series B	5/20/1997	5/21/2027	20,000,000
11	2.822 %	Series B	9/13/2017	9/13/2027	25,000,000
12	6.650 %	Series B	11/10/1997	11/10/2027	19,700,000
13	6.650 %	Series B	6/1/1998	6/1/2028	10,000,000
14	3.141 %	Series B	6/17/2019	6/15/2029	50,000,000
15	7.740 %	Series B	8/29/2000	8/29/2030	20,000,000
16	7.850 %	Series B	9/6/2000	9/1/2030	10,000,000
17	5.820 %	Series B	9/24/2002	9/24/2032	30,000,000
18	5.660 %	Series B	2/25/2003	2/25/2033	40,000,000
19	5.250 %	Series B	6/21/2005	6/21/2035	10,000,000
20	4.000 %	Series B	10/30/2012	10/31/2042	50,000,000
21	4.136 %	Series B	12/5/2016	12/5/2046	40,000,000
22	3.685 %	Series B	9/13/2017	9/13/2047	75,000,000
23	4.110 %	Series B	9/10/2018	9/10/2048	50,000,000
24	3.869 %	Series B	6/17/2019	6/15/2049	90,000,000
25	3.600 %	Series B	3/31/2020	3/15/2050	150,000,000
26	3.078 %	Series B	11/15/2021	12/1/2051	130,000,000
27	4.780 %	Series B	9/30/2022	9/30/2052	140,000,000
28					
29					
30			Total	First Mortgage Bonds	1,134,700,000
31	Account 239				
32	Less: Debt due within on	e year			(90,000,000
33	Accounts 222 and 223				
34	None				
35	Account 224				
36	None				-
37					
38	TOTAL				1,044,700,000

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

LONG-TERM DEBT (Accounts 221, 222, 223 and 224) (Continued)

5. In a supplemental statement, give explanatory details for Accounts 223 and 224 of net changes during the year. With respect to long-term advances, show for each company: (a) principal advanced during year, (b) interest added to principal amount, and (c) principal repaid during year. Give Commission authorization numbers and dates.

6. If the respondent has pledged any of its long-term debt securities, give particulars (details) in a footnote, including name of the pledgee and purpose of the pledge.

7. If the respondent has any long-term securities which have been nominally issued and are nominally outstanding at end of year, describe such securities in a footnote.

8. If interest expense was incurred during the year on any obligations retired or reacquired before end of year, include such interest expense in column (f). Explain in a footnote any difference between the total of column (f) and the total of Account 427, Interest on Long-Term Debt and Account 430, Interest on Debt to Associated Companies.

9. Give details concerning any long-term debt authorized by a regulatory commission but not yet issued.

Interest for Year	Interest for Year	Held by Respondent			Т
Rate in (%)	Amount	Reacquired Bonds (Acct. 222)	Held by Respondent Sinking and Other Funds	Redemption Price per \$100 at End of Year	Li
			-		
(e)	(f)	(g)	(h)	(i)	╀
					┢
					┢
0.540.04					╋
3.542 %	1,771,000			N/A	┢
5.620 %	2,248,000			N/A	╄
7.720 %	1,544,000			N/A	╄
6.520 %	652,000			N/A	┢
7.050 %	1,410,000			N/A	╄
3.211 %	1,123,850			N/A	
7.000 %	1,400,000			N/A	
2.822 %	705,500			N/A	
6.650 %	1,310,050			N/A	
6.650 %	665,000			N/A	
3.141 %	1,570,500			N/A	
7.740 %	1,548,000			N/A	
7.850 %	785,000			N/A	
5.820 %	1,746,000			N/A	
5.660 %	2,264,000			N/A	Т
5.250 %	525,000			N/A	Т
4.000 %	2,000,000			N/A	Т
4.136 %	1,654,400			N/A	Τ
3.685 %	2,763,750			N/A	Τ
4.110 %	2,055,000			N/A	
3.869 %	3,482,100			N/A	
3.600 %	5,400,000			N/A	
3.078 %	4,001,400			N/A	
4.780 %	1,673,000			N/A	\top
	,,			N/A	\uparrow
	(249,160)	Interest Capitalized (1)		N/A	┢
	44,048,390				\uparrow
	, ,				┢
	_				┢
					┢
					\uparrow
					┢
	_				
	44,048,390				\square

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

UNAMORTIZED DEBT EXPENSE, PREMIUM AND DISCOUNT ON LONG-TERM DEBT (Accounts 181, 225, 226)

1. Report under separate subheadings for Unamortized Debt Expense, Unamortized Premium on Long-Term Debt and Unamortized Discount on Long-Term Debt, details of expense, premium or discount applicable to each class and series of long-term debt.

2. Show premium amounts by enclosing figures in parentheses.

3. In column (b) show the principal amount of bonds or other long-term debt originally issued.

4. In column (c) show the expense, premium or discount with respect to the amount of bonds or other long-term debt originally issued.

		· · ·	· · · · · · · · · · · · · · · · · · ·		<u> </u>
		Dringing Amount of	Tatal Evanana Dramium	Amortization Period	Amortization Period
Line	Designation of Long-Term Debt	Principal Amount of Debt Issued	Total Expense Premium or Discount	Date From	Date to
No.	(a)	(b)	(c)	(d)	(e)
1	Account 181		, í		
2					
3	3.542%	50,000,000	325,679	8/19/2013	8/19/2023
4	5.620 %	40,000,000	2,952,850	11/21/2003	11/21/2023
5	7.720 %	20,000,000	1,136,261	9/6/2000	9/1/2025
6	6.520 %	10,000,000	27,646	12/1/1995	12/1/2025
7	7.050%	20,000,000	50,940	10/15/1996	10/15/2026
8	3.211%	35,000,000	288,003	12/5/2016	12/5/2026
9	7.000 %	20,000,000	28,906	5/20/1997	5/21/2027
10	2.822 %	25,000,000	159,885	9/13/2017	9/13/2027
11	6.650 %	19,700,000	37,800	11/10/1997	11/10/2027
12	6.650 %	10,000,000	23,300	6/1/1998	6/1/2028
13	3.141 %	50,000,000	255,252	6/17/2019	6/15/2029
14	7.740%	20,000,000	1,354,914	8/29/2000	8/29/2030
15	7.850 %	10,000,000	678,107	9/6/2000	9/1/2030
16	5.820%	30,000,000	165,382	9/24/2002	9/24/2032
17	5.660%	40,000,000	56,663	2/25/2003	2/25/2033
18	5.250%	10,000,000	22,974	6/21/2005	6/21/2035
19	4.000 %	50,000,000	235,479	10/30/2012	10/31/2042
20	4.136 %	40,000,000	307,712	12/5/2016	12/5/2046
21	3.685 %	75,000,000	367,946	9/13/2017	9/13/2047
22	4.110 %	50,000,000	174,695	9/10/2018	9/10/2048
23	3.869 %	90,000,000	415,358	6/17/2019	6/15/2049
24	3.600 %	150,000,000	713,011	3/31/2020	3/15/2050
25	3.078 %	130,000,000	451,489	11/15/2021	12/1/2051
26	4.780 %	140,000,000	143,604	9/30/2022	9/30/2052
27	5.430 %	100,000,000	_	1/6/2023	1/6/2053
28					
29	Shelf Registration Expense		_	N/A	N/A
30	Line of Credit		_	N/A	N/A
31	Ongoing Debt Issuance Cost	-			
32	Accounts 225 and 226				
33	None		_	N/A	N/A
34	TOTAL	1,234,700,000	10,373,856		

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2)		December 31, 2022

UNAMORTIZED DEBT EXPENSE, PREMIUM AND DISCOUNT ON LONG-TERM DEBT (Accounts 181, 225, 226) (Continued)

5. Furnish in a footnote details regarding the treatment of unamortized debt expense, premium or discount associated with issues redeemed during the year. Also, give in a footnote the date of the Commission's authorization of treatment other than as specified by the Uniform System of Accounts.

6. Identify separately undisposed amounts applicable to issues which were redeemed in prior years.

7. Explain any debits and credits other than amortization debited to Account 428, Amortization of Debt Discount and Expense, or credited to Account 429, Amortization of Premium on Debt - Credit.

Balance at Beginning of Year	Debits during the Year	Credits During the Year	Balance at End of Year	Lin
(f)	(g)	(h)	(i)	No
				1
				2
104,332		63,129	41,203	3
35,376	—	18,586	16,790	4
27,368	—	7,397	19,971	5
11,750		2,975	8,775	6
28,117	—	5,848	22,269	7
249,821	—	50,417	199,404	8
27,780		5,141	22,639	g
176,973		30,944	146,029	1
31,680		5,212	26,468	1
21,021		3,380	17,641	1
424,254		56,802	367,452	1
53,062		6,129	46,933	1.
26,936		3,097	23,838	1
139,925		13,026	126,899	1
132,754		11,898	120,856	1
43,832		3,250	40,582	1
371,750		17,844	353,906	1
506,111		20,252	485,859	2
798,611		31,050	767,560	2
278,583		10,423	268,160	2
999,345		36,376	962,969	2
2,294,377		81,295	2,213,082	2
1,421,313		47,464	1,373,849	2
	564,451	1,577	562,874	2
	586,740		586,740	2
	22.492	22.482		
	23,482	23,482		29
1,730,205	8,809	365,874	1,373,140	30
		322,658		3'
				3
				33
9,935,276	1,183,482	1,245,526	10,195,888	34
	Total above	1,245,526		
L	ess Shelf Registration Expense	(23,482)		
Less LO	C amortized to interest expense	(365,874)		
Amor	tization Expense per FERC 428	856,170		
	_			

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🛛 A Resubmission		December 31, 2022

UNAMORTIZED LOSS AND GAIN ON REACQUIRED DEBT (Accounts 189, 257)

1. Report under separate subheadings for Unamortized Loss and Unamortized Gain on Reacquired Debt, details of gain and loss, including maturity date, on reacquisition applicable to each class and series of long-term debt. If gain or loss resulted from a refunding transaction, include also the maturity date of the new issue.

2. In column (c) show the principal amount of bonds or other long-term debt reacquired.

3. In column (d) show the net gain or net loss realized on each debt reacquisition as computed in accordance with General Instruction 17 of the Uniform System of Accounts.

4. Show loss amounts by enclosing the figures in parentheses.

5. Explain in a footnote any debits and credits other than amortization debited to Account 428.1, Amortization of Loss on Reacquired Debt or credited to Account 429.1, Amortization of Gain on Reacquired Debt-Credit.

				I		
Line	Designation of Long-Term Debt	Date Reacquired	Principal of Debt Reacquired	Net Gain or Loss	Balance at Beginning of Year	Balance at End of Year
No.	(a)	(b)	(c)	(d)	(e)	(f)
1	Account 189					
2	First Mortgage Bonds					
3	9.75% ⁽¹⁾	09/29/00	50,000,000	(3,079,332)	748,912	662,500
4	7.52% ⁽²⁾	07/01/03	11,000,000	(1,530,079)	140,250	63,750
5	7.50% ⁽³⁾	07/01/03	4,000,000	(555,971)	50,974	23,170
6	7.25%	08/18/03	20,000,000	(866,800)	79,464	36,120
7						
8						
9						
10						
11						
12						
13						
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	TOTAL				1,019,600	785,540

(1) Includes \$2,732,588 loss on debt reacquired in 2000 and \$346,744 unamortized loss allocated from the 15.375% Guaranteed Notes.

(2) Includes \$489,200 loss on debt reacquired in 2003 and \$1,040,879 unamortized loss allocated from the 9.38% Bonds.

(3) Includes \$177,360 loss on debt reacquired in 2003 and \$378,611 unamortized loss allocated from the 9.38% Bonds.

Name	e of Respondent	This Report is:		Date of Report	Year of Report
		(1) 🗵 An Original		(Mo, Da, Yr)	
North	west Natural Gas Company	(2)			December 31, 2022
REC	CONCILIATION OF REPOR	TED NET INCOME WITH TAX	ABLE INCOME	E FOR FEDERA	L INCOME TAXES
1. Rep	port the reconciliation of reported ne	et income for the year with taxable inco	ne used in compu	ting federal income ta	ax accruals
		t files a consolidated federal tax return, g, however, intercompany amounts to b			
Line		Details			Amount
No.		(a)			(b)
1	Net Income For The Year Per (P	age 116)			91,672,825
2	Reconciling Items for the Year				
3	Taxable Income Not Reported on	Books			
4	Contributions In Aid Of Constru	iction			5,948,691
5	TOTAL				5,948,691
6	Deductions Recorded On Books N	lot Deducted for Return			
7	Bond Redemption Loss Amorti	zation			234,060
8	Pension				7,808,938
9	Meals and Meetings				276,974
10	Bad Debt Reserve				1,117,426
11	Parking and Transit				425,593
12	Employee Stock Purchase Pla	n			182,152
13	Deferred Compensation				188,861
14	Gas Reserves				5,489,081
15	Equity Compensation				46,652
16	Miscellaneous				1,697,036
17	Federal Tax Provision				14,991,488
18	State Tax Provision				12,020,428
19	TOTAL				44,478,689
20	Income Recorded on Books Not In	ncluded in Return			
21	SEC Regulatory Interest				(147,662
22	AFUDC Equity				(1,506,810
23	TOTAL				(1,654,472
24	Deductions on Return Not Charge	d Against Book Income			
25	Excess Of Tax Over Book Dep	reciation			(37,637,881
26	Depletion				(2,300,000
27	Prepaid Insurance				(465,646
28	Property Taxes				(1,641,063
29	Dividends Paid On Allocated S	hares Held By An ESOP			(563,461
30	Removal Costs				(17,660,190
31	Accrued Vacation				(3,950,534
32	Uniform Inventory Capitalizatio	n			(190,722
33	Deferred Fees				(532,983
34	Deferred Payroll Tax				(2,354,658
35	Regulatory Revenue & Cost Ac	ljustments			(26,848,152
36	Environmental				(7,342,701
37	Other Non-Utility Earnings				(10,212,349
38	TOTAL				(111,700,340
39	Federal Tax Net Income				28,745,393
40	Show Computation of Tax:				(0.407.044
41	State Tax				(6,137,011
42	Federal Tax Net Income, less state	e tax			22,608,382
43	Federal Tax @ 21%				4,747,760
44	Research and Development Cred	t			(93,260
45	Other Credits				
46	Prior Years' True-Ups and Miscella	aneous Adjustments			330,146
47	Total Federal Tax Expense				4,984,646

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

TAXES ACCRUED, PREPAID AND CHARGED DURING YEAR, DISTRIBUTION OF TAXES CHARGED (Show utility dept where applicable and acct charged)

1. Give details of the combined prepaid and accrued tax accounts and show the total taxes charged to operations and other accounts during the year. Do not include gasoline and other sales taxes which have been charged to the accounts to which the taxed material was charged. If the actual or estimated amounts of such taxes are known, show the amounts in a footnote and designate whether estimated or actual amounts.

2. Include on this page, taxes paid during the year and charged direct to final accounts, (not charged to prepaid or accrued taxes). Enter the amounts in both columns (d) and (e). The balancing of this page is not affected by the inclusion of these taxes.

3. Include in column (d) taxes charged during the year, taxes charged to operations and other accounts through (a) accruals credited to taxes accrued, (b) amounts credited to portion of prepaid taxes charged to current year, and (c) taxes paid and charged direct to operations or accounts other than accrued and prepaid tax accounts.

4. List the aggregate of each kind of tax in such manner that the total tax for each State and subdivision can readily be ascertained.

		Balance at Beg. of Year	Balance at Beg. of Year
Line		Taxes Accrued (Account 236)	Prepaid Taxes (Incl. in Account 165)
No.	(a)	(b)	(c)
1	FEDERAL:		
2	Income Tax (2021)	212,520	-
3	Income Tax (2022)	_	
4	Payroll Tax (2020)	2,354,658	
5	Payroll Tax (2021)	1,690,407	
6	Payroll Tax (2022)		
7	Pipeline Safety User Fee (2022)		
8	TOTAL FEDERAL	4,257,585	
9	STATE OF OREGON:		
10	Excise Tax (2021)	2,841	
11	Excise Tax (2022)		
12	Corporate Activity Tax (2021)	438,343	
13	Corporate Activity Tax (2022)		
14	Payroll Tax (2021)	225,927	
15	Payroll Tax (2022)		
16	Property Tax (2021-2022)		(14,508,1
17	Property Tax (2022-2023)		
18	Regulatory Commission Fee (2021)		
19	Oregon Department of Energy (2022)		
20	TOTAL OREGON	667,111	(14,508,1
21	STATE OF WASHINGTON:		
22	Excise Tax (2022)		
23	Payroll Tax (2021)	500	
24	Payroll Tax (2022)		
25	Property Tax (2021)	1,681,236	
26	Property Tax (2022)		
27	Regulatory Commission Fee (2022)		
28	Public Utility Tax (2021)	472,957	
29	Public Utility Tax (2022)		
30	TOTAL WASHINGTON	2,154,693	
31	COUNTY & MUNICIPAL:		
32	Income Tax (2021)	79,090	
33	Income Tax (2022)		
34	Franchise Fees	9,050,599	
35	TOTAL COUNTY & MUNICIPAL	9,129,689	
36	TOTAL	16,209,078	(14,508,1

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

TAXES ACCRUED, PREPAID AND CHARGED DURING YEAR, DISTRIBUTION OF TAXES CHARGED (Show utility dept where applicable and acct charged) (Continued)

5. If any tax (exclude Federal and State income taxes) covers more than one year, show the required information separately for each tax year, identifying the year in column (a).

6. Enter all adjustments of the accrued and prepaid tax accounts in column (f) and explain each adjustment in a footnote. Designate debit adjustments by parentheses.

7. Do not include on this page entries with respect to deferred income taxes or taxes collected through payroll

8. Show in columns (i) thru (p) how the taxed accounts were distributed. Show both the utility department and number of account charged. For taxes charged to utility plant, show the number of the appropriate balance sheet plant account or subaccount.

9. For any tax apportioned to more than one utility department or account, state in a footnote the basis (necessity) of apportioning such tax.

10. Items under \$250,000 may be grouped.

11. Report in column (q) the applicable effective state income tax rate

s Charged g the Year	Taxes Paid During the Year	Adjustments	Balance at End of Year Taxes Accrued (Account 236)	Balance at End of Year Taxes Prepaid (Account 165)	Li
(d)	(e)	(f)	(g)	(h)	N
303,093	(515,613)	—	—	—	
7,176,222	(2,516,330)	—	4,659,892	—	
—	(2,354,658)	—	—		
—	(1,690,407)	—	—	—	
9,736,793	(8,002,701)	—	1,734,092	—	
260,384	(260,384)	—	—	—	
17,476,492	(15,340,093)	_	6,393,984	_	
106,593	(109,434)	_	—		
2,551,512	(939,449)		1,612,063		
(378,037)	(60,306)	_	_		
4,453,340	(1,718,868)	_	2,734,472		
_	(225,927)	—	_		
1,736,883	(1,498,033)	_	238,850		
14,438,752	69,400	_	_		
16,111,263	(32,338,248)	_	_	(16,226,985)	
2,545,635	(2,545,635)	_	_	,	
832,163	(832,163)	_	_		
42,398,104	(40,198,663)	_	4,585,385	(16,226,985)	
, ,	(1 1)				
180,525	(180,525)	_			
_	(500)	_	_		
16,253	(15,753)	_	500		
(199,540)	(1,481,696)	_	_		
1,759,006		_	1,759,006		
164,074	(164,074)	_	_		
	(472,957)	_	_		
4,319,836	(3,573,864)	_	745,972		
6,240,154	(5,889,369)	_	2,505,478		
-, -,	(-,,)		_,,		
(66,679)	(12,411)				
(18,487)	(117,589)		(136,076)		
19,335,369	(17,438,409)		10,947,559		
19,250,203	(17,568,409)		10,811,483		
85,364,953	(78,996,534)		24,296,330	(16,226,985)	

Name of Respondent	This Report is:	Date of Report Ye	
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) \square A Resubmission		December 31 2022

TAXES ACCRUED, PREPAID AND CHARGED DURING YEAR, DISTRIBUTION OF TAXES CHARGED (Show utility dept where applicable and acct charged) (Continued)

1. Give details of the combined prepaid and accrued tax accounts and show the total taxes charged to operations and other accounts during the year. Do not include gasoline and other sales taxes which have been charged to the accounts to which the taxed material was charged. If the actual or estimated amounts of such taxes are known, show the amounts in a footnote and designate whether estimated or actual amounts.

2. Include on this page, taxes paid during the year and charged direct to final accounts, (not charged to prepaid or accrued taxes). Enter the amounts in both columns (d) and (e). The balancing of this page is not affected by the inclusion of these taxes.

3. Include in column (d) taxes charged during the year, taxes charged to operations and other accounts through (a) accruals credited to taxes accrued, (b) amounts credited to portion of prepaid taxes charged to current year, and (c) taxes paid and charged direct to operations or accounts other than accrued and prepaid tax accounts.

4. List the aggregate of each kind of tax in such manner that the total tax for each State and subdivision can readily be ascertained.

	Electric	Gas	Other Utility Dept	Other Income and Deductions
Line	(Account 408.1, 409.1)	(Account 408.1, 409.1)	Other Utility Dept. (Account 408.1, 409.1)	(Account 408.2, 409.2)
No.	(i)	(j)	(k)	(I)
1				
2	_	301,926	_	1,167
3	_	4,664,306	_	2,760,760
4	-	—	—	—
5	-	—	—	—
6	-	5,711,290	—	—
7	-	260,384	—	—
8	—	10,937,906	—	2,761,927
9				
10	-	106,180	—	413
11	-	1,663,974	—	975,755
12	-	(14,124)	—	(4,425)
13	-	4,146,824	—	306,516
14	—	—	—	—
15	-	1,025,541	—	—
16	-	12,928,114	—	361,464
17	-	14,470,830	—	359,552
18	_	2,545,635	_	—
19	-	832,163	—	—
20	_	37,705,137	—	1,999,275
21				
22	_	59,114	—	—
23	-	—	—	—
24	_	9,597	—	—
25	-	(199,540)	—	—
26	-	1,668,126	—	—
27	-	164,074	—	—
28	-	—	—	—
29	-	4,319,836	—	—
30	-	6,021,207	—	—
31				
32	—	(66,679)		—
33		307,566		
34		19,335,369		
35		19,576,256		
36	—	74,240,506		4,761,202

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2)		December 31, 2022

TAXES ACCRUED, PREPAID AND CHARGED DURING YEAR, DISTRIBUTION OF TAXES CHARGED (Show utility dept where applicable and acct charged) (Continued)

5. If any tax (exclude Federal and State income taxes) covers more than one year, show the required information separately for each tax year, identifying the year in column (a).

6. Enter all adjustments of the accrued and prepaid tax accounts in column (f) and explain each adjustment in a footnote. Designate debit adjustments by parentheses.

7. Do not include on this page entries with respect to deductions or otherwise pending transmittal of such taxes to the taxing authority.

8. Show in columns (i) thru (p) how the taxed accounts were distributed. Show both the utility department and number of account charged. For taxes charged to utility plant, show the number of the appropriate balance sheet plant account or subaccount.

9. For any tax apportioned to more than one utility department or account, state in a footnote the basis (necessity) of apportioning such tax.

10. Items under \$250,000 may be grouped.

Extraordinary Items (Account 409.3) (m)	Other Utility Opn. Income (Account 408.1, 409.1) (n)	Adjustment to Ret. Earnings (Account 439) (o)	Other (p)	State/Local Income Tax Rate (q)	Line No.
					1
		_			2
		_	(248,844)		3
		_			4
	_	_			5
		_	4,025,503		6
		—			7
	—		3,776,659	_	8
					9
					10
			(88,217)		11
			(359,488)		12
					13
					14
			711,342		15
			1,149,174		16
			1,280,881		17
					18
					19
			2,693,692		20
					21
		—	121,411		22
		_			23
	_	_	6,656		24
		—			25
	_	_	90,880		26
		—			27
	_	_			28
	_	_			29
		_	218,947		30
					31
		_			32
		_	(326,053)		33
		_		_	34
		_	(326,053)		35
	—	_	6,363,245	_	36

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

	MISCELLANEOUS CURRENT AND ACCRUED LIABILITIES (Account	242)
1. Des	scribe and report the amount of other current and accrued liabilities at the end of year.	
2. Mir	or items (less than \$250,000) may be grouped under appropriate title.	
Line	Item	Balance at End of Year
No.	(a)	(b)
1	Environmental Liabilities - Current Portion	28,901,736
2	Public Purpose	15,775,514
3	OLGA Surcharge	2,655,306
4	Smart Energy	881,833
5	Workers Compensation Claims - Current Portion	547,669
6	Deferred Revenue - Appliance Center	414,447
7	Western States Pension - Current Portion	394,516
8	Other items, each less than \$250,000	142,216
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30	Total	49,713,237

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🛛 A Resubmission		December 31, 2022

	Othe	r Deferred Credits	(Account 253)			
1. Re	port below the details called for concerning othe	r deferred credits	•			
2. For	any deferred credit being amortized, show the	period of amortization.				
3. Mir	or items (less than \$250,000) may be grouped	by classes				
Line	Description of Other Deferred Credits	Balance at The Beginning of the Year	Debit Contra Account	Debit Amount	Credits	Balance at End of Year
No.	(a)	(b)	(c)	(d)	(e)	(f)
1	Western States Pension Plan	5,369,079	_	394,516		4,974,563
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
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15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30	Total	5,369,079		394,516		4,974,563

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2)		December 31, 2022

ACCUMULATED DEFERRED INCOME TAXES - OTHER (Account 283)

1. Report the information called for below concerning respondent's accounting for deferred income taxes relating to amounts recorded in Account 283.

2. For Other (Specify), included deferrals related to other income and deductions.							
			Changes During Year	Changes During Year			
Line	Account Subdivisions	Balance at Beginning of Year	Amounts Debited to Account 410.1	Amounts Credited to Account 411.1			
No.	(a)	(b)	(c)	(d)			
1	Account 283						
2	Electric	_	_	_			
3	Gas	_	_	_			
4	Property Related	332,418,743	18,854,902	4,032,391			
5	Regulatory Assets	22,995,070	10,756,895	3,840,430			
6	Regulatory Liabilities	(50,193,237)	2,873,942	8,916,456			
7	Other	43,361,776	17,793,532	17,599,735			
8	Total (Total of lines 3 thru 7)	348,582,352	50,279,271	34,389,012			
9	Other - Non-Operating	8,862,163					
10	Other Comprehensive Income	(4,094,123)					
11	TOTAL Account 283 (Total of lines 8 thru 10)	353,350,392	50,279,271	34,389,012			
12	Classification of TOTAL						
13	Federal Income Tax	252,967,291	37,462,236	27,455,395			
14	State Income Tax	100,383,101	12,817,035	6,933,617			
15	Local Income Tax	_	_	_			

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

ACCUMULATED DEFERRED INCOME TAXES - OTHER (Account 283) (Continued)

3. Provide in a footnote a summary of the type and amount of deferred income taxes reported in the beginning-of-year and end-of-year balances for deferred income taxes that the respondent estimates could be included in the development of jurisdictional recourse rates.

Changes During Year	Changes During Year	Adjustments	Adjustments	Adjustments	Adjustments		
Amounts Debited to Account 410.2	Amounts Credited to Account 411.2	Debits Account No.	Debits Amount	Credits Account No.	Credits Amount	Balance at End of Year	Line
(e)	(f)	(g)	(h)	(i)	(j)	(k)	No.
							1
	_					—	2
	_				_	_	3
_				283	—	347,241,254	4
_		186, 283	1,665,887			28,245,648	5
				254	8,218,172	(48,017,579)	6
				283	1,752,225	45,307,798	7
			1,665,887		9,970,397	372,777,121	8
196,699	4,828	283				9,054,034	9
		218			1,796,619	(2,297,504)	10
196,699	4,828		1,665,887		11,767,016	379,533,651	11
		_	-	-			12
143,103	3,626		1,665,887		10,838,200	272,285,922	13
53,596	1,202		_		928,816	107,247,729	14
	_		_		_		15

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

OTHER REGULATORY LIABILITIES (Account 254)

1. Report below the details called for concerning other regulatory liabilities which are created through the ratemaking actions of regulatory agencies (and not includable in other amounts).

2. For regulatory liabilities being amortized, show period of amortization in column (a).

3. Minor items (5% of the Balance at End of Year for Account 254 or amounts less than \$250,000, whichever is less) may be grouped by classes.

4. Provide in a footnote, for each line item, the regulatory citation where the respondent was directed to refund the regulatory liability (e.g Commission Order, state commission order, court decision).

Line	Description of Other Regulatory Liabilities	Balance at Beginning of Year	Debits	Credits	Balance at End of Year
No.	(a)	(b)	(c)	(d)	(e)
1	Storage Margin Share - Oregon (OPUC Advice 00-4 and later OPUC Advice 03-6)	43,287,546	44,943,926	33,598,186	31,941,806
2	Storage Margin Share - Washington (UG 011090)	3,646,486	3,646,486	2,827,159	2,827,159
3	Deferred Derivative Unrealized Gains - Oregon (UM 1496)	58,672,944	289,824,672	430,018,407	198,866,679
4	Benefits from the 2017 Tax Cuts and Jobs Act - Oregon (UG 435) & Washington (UG 200994)	189,596,264	13,449,250	5,231,078	181,378,092
5	Curtailment/Entitlement Revenue - Oregon (UM 2123)	330,224	477,139	829,254	682,339
6	Gain on Sale of Property - Oregon (UP 400)	776,976	828,048	51,072	—
7	Gain on Sale of Property - Washington (UG 190457)	811,950	926,381	465,910	351,479
8	Other	217,522	538,833	768,133	446,822
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30	Total	297,339,912	354,634,735	473,789,199	416,494,376

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Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2)		December 31, 2022

	GAS OPERATING	REVENUES (A	Account 400)		
1. Re succe	port below natural gas operating revenues for each prescrib eding pages.	ed account total. T	he amounts must be	e consistent with the	e detailed data on
2. Re	venues in columns (b) and (c) include transition costs from	upstream pipelines.			
3. Oth colum	Other Revenues in columns (f) and (g) include reservation charges received by the pipeline plus usage charges, less revenues reflected in plumns (b) through (e). Include in columns (f) and (g) revenues for Accounts 480 - 495.				
		Revenues for Transition Costs and Take-or-Pay	Revenues for Transition Costs and Take-or-Pay	Revenues for GRI and ACA	Revenues for GRI and ACA
Line	Title of Account	Amount for Current Year	Amount for Previous Year	Amount for Current Year	Amount for Previous Year
No.	(a)	(b)	(c)	(d)	(e)
1	480 Residential Sales				
2	481 Commercial and Industrial Sales				
3	482 Other Sales to Public Authorities				
4	483 Sales for Resale				
5	484 Interdepartmental Sales				
6	485 Intracompany Transfers				
7	487 Forfeited Discounts (See Note 1)				
8	488 Miscellaneous Service Revenues				
9	489.1 Revenues from Transportation of Gas of Others Through Gathering Facilities				
10	489.2 Revenues from Transportation of Gas of Others Through Transmission Facilities				
11	489.3 Revenues from Transportation of Gas of Others Through Distribution Facilities				
12	489.4 Revenues from Storing Gas of Others				
13	490 Sales of Prod. Ext. from Natural Gas				
14	491 Revenues from Natural Gas Proc. by				
15	492 Incidental Gasoline and Oil Sales				
16	493 Rent from Gas Property				
17	494 Interdepartmental Rents				
18	495 Other Gas Revenues				
19	Subtotal:				
20	496 (Less) Provision for Rate Refunds				
21	TOTAL:				
Note '	1: An adjustment of (\$45.062) was made to 487. Forfeited Γ)iscounts in 2021 p	ertaining to 2020 rev	/enues	

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🛛 A Resubmission		December 31, 2022

GAS OPERATING REVENUES (Account 400) (Continued)

4. If increases or decreases from previous year are not derived from previously reported figures, explain any inconsistencies in a footnote.

5. On Page 108, include information on major changes during the year, new service, and important rate increases or decreases.

6. Report the revenue from transportation services that are bundled with storage services as transportation service revenue.

Other Revenues	Other Revenues	Total Operating Revenues	Total Operating Revenues	Dekatherm of Natural Gas	Dekatherm of Natural Gas	
Amount for Current Year	Amount for Previous Year	Amount for Current Year	Amount for Previous Year	Amount for Current Year	Amount for Previous Year	Line
(f)	(g)	(h)	(i)	(j)	(k)	No.
565,498,676	475,564,148	565,498,676	475,564,148	47,809,283	44,555,012	1
336,334,367	255,601,071	336,334,367	255,601,071	39,294,300	34,835,241	2
	_	_	_	_	_	3
	_	_	_	_	_	4
	_	_	_	_	_	5
	_	_	_			6
1,741,099	2,141,545	1,741,099	2,141,545			7
645,922	576,882	645,922	576,882	1		8
	_			_	_	9
	_	_		_	_	10
20,522,126	20,041,505	20,522,126	20,041,505	38,130,074	39,087,110	11
19,430,730	18,862,740	19,430,730	18,862,740	6,862,983	7,089,380	12
	_	_	_			13
	_	_	_			14
	_	_	_			15
74,322	79,687	74,322	79,687			16
						17
28,326,263	30,416,852	28,326,263	30,416,852			18
972,573,505	803,284,430	972,573,505	803,284,430			19
	_					20
972,573,505	803,284,430	972,573,505	803,284,430			21

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

REVENUES FROM STORING GAS OF OTHERS (Account 489.4)

1. Report revenues and Dth of gas withdrawn from storage by Rate Schedule and in total.

2. Revenues for penalties including penalties for unauthorized overruns must be reported on page 308

3. Other revenues in columns (f) and (g) include reservation charges, injection and withdrawal charges, less revenues reflected in columns (b) through (e).

4. Dth of gas withdrawn from storage must not be adjusted for discounting.

5. Where transportation services are bundled with storage services, report on Dth withdrawn from storage.

		Revenues for Transition Costs and Take-or-Pay	Revenues for Transition Costs and Take-or-Pay	Dekatherm of Natural Gas	Dekatherm of Natural Gas
Line	Rate Schedule	Amount for Current Year	Amount for Prior Year	Amount for Current Year	Amount for Prior Year
No.	(a)	(b)	(c)	(d)	(e)
1	Rate Schedule 90 - Firm Storage Service with No-notice withdrawal*	19,430,730	18,862,740	6,862,983	7,089,380
2					
3					
4					
5					
6					
7					
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13					
14	TOTAL	19,430,730	18,862,740	6,862,983	7,089,380
* Note	: The amount in column (b) represents the fixed revenues	for Rate Schedule 9	0 for the North Mist	gas storage expans	ion project.

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

OTHER GAS REVENUES (ACCOUNT 495)

1

	OTHER GAS REVENUES (ACCOUNT 495)	
Repor amou	t below transactions of \$250,000 or more included in Account 495, Other Gas Revenues. Group all transactions bel nt and provide the number of items.	ow \$250,000 in one
Line	Description of Transaction	Amount
No.	(a)	(b)
1	Decoupling	(16,692,163)
2	Decoupling Amortization	6,514,922
3	Interstate Storage Credit	41,101,914
4	Intervenor Funding Amortization	(242,815)
5	Oregon Amortizations	(3,816,502)
6	Unbilled Revenue	9,227,111
7	Warm Amortizations	(2,620,936)
8	Warm Deferrals	(906,967)
9	Washington Amortizations	(724,691)
10	Washington Energy Efficiency Deferrals	(3,693,453)
11	Washington Great Program	(258,454)
12	Other (Misc Gas Revenues - 2 items)	438,297
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30	Total	28,326,263

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Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🛛 A Resubmission		December 31, 2022

	GAS OPERATION AND MAINTENANCE EXPENSES						
Line	Account	Amount for Current Year	Amount for Previous Year				
No.	(a)	(b)	(c)				
1	1. PRODUCTION EXPENSES						
2	A. Manufactured Gas Production						
3	Manufactured Gas Production (Submit Supplemental Statement)	N/A	N/A				
4	B. Natural Gas Production						
5	B1. Natural Gas Production and Gathering						
6	Operation						
7	750 Operation Supervision and Engineering	_	_				
8	751 Production Maps and Records	_	_				
9	752 Gas Wells Expenses						
10	753 Field Lines Expenses	_	_				
11	754 Field Compressor Station Expenses	_	_				
12	755 Field Compressor Station Fuel and Power	_	_				
13	756 Field Measuring and Regulating Station Expenses	_	_				
14	757 Purification Expenses	_	_				
15	758 Gas Well Royalties	_	_				
16	759 Other Expenses	_	_				
17	760 Rents						
18	TOTAL Operation (Total of lines 7 thru 17)		—				
19	Maintenance						
20	761 Maintenance Supervision and Engineering						
21	762 Maintenance of Structures and Improvements						
22	763 Maintenance of Producing Gas Wells						
23	764 Maintenance of Field Lines						
24	765 Maintenance of Field Compressor Station Equipment	_	_				
25	766 Maintenance of Field Meas. and Regulating Station Equipment						
26	767 Maintenance of Purification Equipment						
27	768 Maintenance of Drilling and Cleaning Equipment						
28	769 Maintenance of Other Equipment						
29	TOTAL Maintenance (Total of lines 20 thru 28)	_	_				
30	TOTAL Natural Gas Production and Gathering (Total of lines 18 and 29)		_				

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2)		December 31, 2022

GAS OPERATION AND MAINTENANCE EXPENSES (Continued)							
Account	Amount for Current Year	Amount for Previous Year	Line				
(a)	(b)	(c)	No.				
B2. Products Extraction			31				
Operation		I	32				
770 Operation Supervision and Engineering			33				
771 Operation Labor			34				
772 Gas Shrinkage		_	35				
773 Fuel		_	36				
774 Power			37				
775 Materials			38				
776 Operation Supplies and expenses			39				
777 Gas Processed by Others	_	_	40				
778 Royalties on Products Extracted	_	_	41				
779 Marketing expenses	_	_	42				
780 Products Purchased for Resale	_	_	43				
781 Variation in Products Inventory	_	_	44				
(Less) 782 Extracted Products Used by the Utility-Credit	_	_	45				
783 Rents	_	_	46				
Total Operation (Total of Lines 33 thru 46)	_	_	47				
Maintenance			48				
784 Maintenance Supervision and Engineering	_	_	49				
785 Maintenance of Structures and Improvements	_	_	50				
786 Maintenance of Extraction and Refining Equipment	_	_	51				
787 Maintenance of Pipe Lines			52				
788 Maintenance of Extracted Products Storage Equipment			53				
789 Maintenance of Compressor Equipment			54				
790 Maintenance of Gas Measuring and Regulating Equipment			55				
791 Maintenance of Other Equipment	_		56				
TOTAL Maintenance (Total of lines 49 thru 56)	_	_	57				
TOTAL Products Extraction (Total of lines 47 and 57)	_	_	58				

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) D A Resubmission		December 31, 2022

GAS OPERATION AND MAINTENANCE EXPENSES (Continued)			
Line	Account	Amount for Current Year	Amount for Previous Year
No.	(a)	(b)	(c)
59	C. Exploration and Development		
60	Operation		
61	795 Delay Rentals		_
62	796 Nonproductive Well Drilling		_
63	797 Abandoned Leases		_
64	798 Other Exploration		_
65	TOTAL Exploration and Development (Total of lines 61 thru 64)		_
66	D. Other Gas Supply Expenses		
67	Operation		
68	800 Natural Gas Well Head Purchases		_
69	800.1 Natural Gas Well Head Purchases, Intracompany Transfers		_
70	801 Natural Gas Field Line Purchases	(7,836,280)	8,251,118
71	802 Natural Gas Gasoline Plant Outlet Purchases		_
72	803 Natural Gas Transmission Line Purchases		_
73	804 Natural Gas City Gate Purchases	483,967,114	340,902,007
74	804.1 Liquefied Natural Gas Purchases		_
75	805 Other Gas Purchases		_
76	805.1 Purchases Gas Cost Adjustments	(15,099,386)	(45,555,251
77	TOTAL Purchased Gas (Total of Lines 68 thru 76)	461,031,448	303,597,874
78	806 Exchange Gas		_
79	Purchased Gas Expense		
80	807.1 Well Expense-Purchased Gas	_	
81	807.2 Operation of Purchased Gas Measuring Stations	_	—
82	807.3 Maintenance of Purchased Gas Measuring Stations	_	
83	807.4 Purchased Gas Calculations Expense	_	
84	807.5 Other Purchased Gas Expenses	(6,298,787)	1,917,078
85	TOTAL Purchased Gas Expense (Total of lines 80 thru 84)	(6,298,787)	1,917,078

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
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GAS OPERATION AND MAINTENANCE EXPENSES (Continued)				
Account	Amount for Current Year	Amount for Previous Year	Line	
(a)	(b)	(c)	No.	
808.1 Gas Withdrawn from Storage-Debit	44,622,323	26,502,989	86	
(Less) 808.2 Gas Delivered to Storage-Credit	(69,823,347)	(39,292,535)	87	
809.1 Withdrawals of Liquefied Natural Gas for Processing-Debit	_	_	88	
(Less) 809.2 Deliveries of Natural Gas for Processing-Credit	_	_	89	
Gas used in Utility Operation-Credit			90	
810 Gas Used for Compressor Station Fuel-Credit	_	_	91	
811 Gas Used for Products Extraction-Credit	_	_	92	
812 Gas Used for Other Utility Operations-Credit	(297,259)	(187,230)	93	
TOTAL Gas Used in Utility Operations-Credit (lines 91 thru 93)	(297,259)	(187,230)	94	
813 Other Gas Supply Expenses	_	_	95	
TOTAL Other Gas Supply Exp. (Total of lines 77, 78, 85, 86-89, 94, 95)	429,234,378	292,538,176	96	
TOTAL Production Expenses (Total of lines 3, 30, 58, 65, 96)	429,234,378	292,538,176	97	
2. NATURAL GAS STORAGE, TERMINALING AND PROCESSING EXPENSES			98	
A. Underground Storage Expenses			99	
Operation			100	
814 Operation Supervision and Engineering	_	_	101	
815 Maps and Records	_	_	102	
816 Well Expenses	1,137,962	719,074	103	
817 Lines Expenses	_	_	104	
818 Compressor Station Fuel and Power	406,748	225,849	105	
819 Compressor Station Fuel and Power	18,447	_	106	
820 Measuring and Regulating Station Expenses	3,340,537	3,198,624	107	
821 Purification Expenses	_	_	108	
822 Exploration and Development	_	_	109	
823 Gas Losses		—	110	
824 Other Expenses		—	111	
825 Storage Well Royalties		—	112	
826 Rents			113	
TOTAL Operation (Total of lines of 101 thru 113)	4,903,694	4,143,547	114	

Name of Respondent	This Report is:	Date of Report	Year of Report
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GAS OPERATION AND MAINTENANCE EXPENSES (Continued)			
Line	Account	Amount for Current Year	Amount for Previous Year
No.	(a)	(b)	(c)
115	Maintenance		
116	830 Maintenance Supervision and Engineering	_	_
117	831 Maintenance of Structures and Improvements	_	_
118	832 Maintenance of Reservoirs and Wells	238,474	148,151
119	833 Maintenance of Lines	_	_
120	834 Maintenance of Compressor Station Equipment	1,894,682	1,688,356
121	835 Maintenance of Measuring and Regulating Station Equip.	_	_
122	836 Maintenance of Purification Equipment	_	_
123	837 Maintenance of Other Equipment	_	_
124	TOTAL Maintenance (Total of lines 116 thru 123)	2,133,156	1,836,507
125	TOTAL Underground Storage Expenses (lines 114 and 124)	7,036,850	5,980,054
126	B. Other Storage Expenses		
127	Operation		
128	840 Operation supervision and Engineering	54,751	4,132
129	841 Operation Labor and Expenses	_	_
130	842 Rents	_	_
131	842.1 Fuel	_	_
132	842.2 Power	_	_
133	842.3 Gas Losses	_	_
134	TOTAL Operation (Total of lines 128 thru 133)	54,751	4,132
135	Maintenance		
136	843.1 Maintenance Supervision and Engineering	_	_
137	843.2 Maintenance of Structures and Improvements	_	_
138	843.3 Maintenance of Gas Holders	_	_
139	843.4 Maintenance of Purification Equipment	_	_
140	843.5 Maintenance of Liquefaction Equipment	_	_
141	843.6 Maintenance of Vaporizing Equipment	_	_
142	843.7 Maintenance of Compressor Equipment		
143	843.8 Maintenance of Measuring and Regulating Equipment		
144	843.9 Maintenance of Other Equipment		
145	TOTAL Maintenance (Total of lines 136 thru 144)		
146	TOTAL Other Storage Expenses (Total of lines 134 and 145)	54,751	4,132

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GAS OPERATION AND MAINTENANCE EXPENSES (Continued)						
Account	Amount for Current Year	Amount for Previous Year	Line			
(a)	(b)	(c)	No.			
C. Liquefied Natural Gas Terminaling and Processing Expenses			147			
Operation			148			
844.1 Operation Supervision and Engineering	1,561,286	1,512,661	149			
844.2 LNG Processing Terminal Labor and Expenses	_	_	150			
844.3 Liquefaction Processing Labor and Expenses	_	_	151			
844.4 Liquefaction Transportation Labor and Expenses	_	_	152			
844.5 Measuring and Regulating Labor and Expenses	_	_	153			
844.6 Compressor Station Labor and Expenses	_	_	154			
844.7 Communication system Expenses	_	_	155			
844.8 System Control and Load Dispatching	_	_	156			
845.1 Fuel	_	_	157			
845.2 Power	_	_	158			
845.3 Rents	_	_	159			
845.4 Demurrage Charges	_	_	160			
845.5 Wharfage Receipts-Credit	(114,905)	(82,030)	161			
845.6 Processing Liquefied of Vaporized Gas by Others	_	_	162			
846.1 Gas Losses	_	_	163			
846.2 Other Expenses	_	_	164			
TOTAL Operation (Total of lines 149 thru 164)	1,446,381	1,430,631	165			
Maintenance			166			
847.1 Maintenance Supervision and Engineering	_	_	167			
847.2 Maintenance of Structures and Improvements	1,072,656	1,138,301	168			
847.3 Maintenance of LNG Processing Terminal Equipment	_	_	169			
847.4 Maintenance of LNG Transportation Equipment	_	_	170			
847.5 Maintenance of Measuring and Regulating Equipment	_	_	171			
847.6 Maintenance of Compressor Station Equipment	_	_	172			
847.7 Maintenance of Communication Equipment	_	_	173			
847.8 Maintenance of Other Equipment	_	_	174			
TOTAL Maintenance (Total of lines 167 thru 174)	1,072,656	1,138,301	175			
TOTAL Liquefied Nat Gas Terminaling and Proc Exp (Total of lines 165 & 175)	2,519,037	2,568,932	176			
TOTAL Natural Gas Storage (Total of lines 125, 146, and 176)	9,610,638	8,553,118	177			

Name of Respondent	This Report is:	Date of Report	Year of Report
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Northwest Natural Gas Company	(2)		December 31, 2022

	GAS OPERATION AND MAINTENANCE EXPENSES (Continued)					
Line	Account	Amount for Current Year	Amount for Previous Year			
No.	(a)	(b)	(c)			
178	3. TRANSMISSION EXPENSES					
179	Operation					
180	850 Operation Supervision and Engineering	_	—			
181	851 System Control and Load Dispatching	_	—			
182	852 Communication system Expenses		—			
183	853 Compressor Station Labor and Expenses		—			
184	854 Gas for Compressor Station Fuel	_	—			
185	855 Other Fuel and Power for Compressor Stations	_	_			
186	856 Mains Expenses	3,670,183	2,378,826			
187	857 Measuring and Regulating Station Expenses	_	—			
188	858 Transmission and Compression of Gas by Others	_	_			
189	859 Other Expenses	_	_			
190	860 Rents	_	_			
191	TOTAL Operations (Total of lines 180 thru 190)	3,670,183	2,378,826			
192	Maintenance					
193	861 Maintenance Supervision and Engineering	_	_			
194	862 Maintenance of Structures and Improvements		—			
195	863 Maintenance of Mains	26,478	10,377			
196	864 Maintenance of Compressor Station Equipment	_	_			
197	865 Maintenance of Measuring and Regulating Station Equipment	_	_			
198	866 Maintenance of Communication Equipment	_	_			
199	867 Maintenance of Other Equipment		_			
200	TOTAL Maintenance (Total of lines 193 thru 199)	26,478	10,377			
201	TOTAL Transmission Expenses (Total of lines 191 and 200)	3,696,661	2,389,203			
202	4. DISTRIBUTION EXPENSES					
203	Operation					
204	870 Operation Supervision and Engineering	2,831,054	2,687,997			
205	871 Distribution Load Dispatching					
206	872 Compressor Station Labor and Expenses					
207	873 Compressor Station Fuel and Power	_	_			

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

GAS OPERATION AND MAINTENANCE EXPENSES (Continued)					
		,			
Account	Amount for Current Year	Amount for Previous Year	Line		
(a)	(b)	(C)	No.		
874 Mains and Services Expenses	11,633,831	11,253,581	208		
875 Measuring and Regulating Station Expenses-General	309,249	256,117	209		
876 Measuring and Regulating Station Expenses-Industrial			210		
877 Measuring and Regulating Station Expenses-City Gas	568,132	630,239	211		
878 Meter and House Regulator Expenses	5,577,292	6,473,276	212		
879 Customer Installations Expenses	11,914,493	8,946,189	213		
880 Other Expenses	1,352,058	1,330,591	214		
881 Rents	247,926	212,959	215		
TOTAL Operations (Total of lines 204 thru 215)	34,434,035	31,790,949	216		
Maintenance			217		
885 Maintenance Supervision and Engineering	2,396,945	2,524,279	218		
886 Maintenance of Structures and Improvements	_	_	219		
887 Maintenance of Mains	3,178,757	3,041,588	220		
888 Maintenance of Compressor Station Equipment	_	_	221		
889 Maintenance of Measuring & Regulating Station Equipment-General	1,919,028	1,841,350	222		
890 Maintenance of Meas. and Reg. Station Equipment-Industrial	_	_	223		
891 Maintenance of Meas & Reg Station Equip-City Gate	198,911	183,315	224		
892 Maintenance of Services	890,404	768,477	225		
893 Maintenance of Meters and House Regulators	4,254,004	4,361,190	226		
894 Maintenance of Other Equipment	21,768	42,004	227		
TOTAL Maintenance (Total of lines 218 thru 227)	12,859,817	12,762,203	228		
TOTAL Distribution Expenses (Total of lines 216 and 228)	47,293,852	44,553,152	229		
5. CUSTOMER ACCOUNTS EXPENSES			230		
Operation			231		
901 Supervision	1,801,292	1,768,637	232		
902 Meter Reading Expenses	799,920	1,090,229	233		
903 Customer Records and Collection Expenses	18,664,032	16,869,091	234		

Name of Respondent	This Report is:	Date of Report	Year of Report
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	GAS OPERATION AND MAINTENANCE EXPENSES (Continued)					
Line	Account	Amount for Current Year	Amount for Previous Year			
No.	(a)	(b)	(c)			
235	904 Uncollectible Accounts	921,187	999,180			
236	905 Miscellaneous Customer Accounts Expenses	_	_			
237	TOTAL Customer Accounts Expenses (Total of lines 232-236)	22,186,431	20,727,137			
238	6. CUSTOMER SERVICE AND INFORMATIONAL EXPENSE					
239	Operation					
240	907 Supervision	_	_			
241	908 Customer Assistance Expense	2,272,566	649,421			
242	909 Informational and Instructional Expenses	2,142,502	2,064,327			
243	910 Miscellaneous Customer Service and Informational Expenses	151,666	149,857			
244	TOTAL Customer Service & Information Expenses (Total of lines 240 thru 243)	4,566,734	2,863,605			
245	7. SALES EXPENSES					
246	Operation					
247	911 Supervision	166,943	77,703			
248	912 Demonstration and Selling Expenses	1,845,581	1,679,785			
249	913 Advertising Expenses	479,991	262,480			
250	916 Miscellaneous Sales Expenses	_	_			
251	TOTAL Sales Expenses (Total of lines 247 thru 250)	2,492,515	2,019,968			
252	8. ADMINISTRATIVE AND GENERAL EXPENSES					
253	Operation					
254	920 Administrative and General Salaries	45,462,043	39,390,465			
255	921 Office Supplies and Expenses	16,208,649	18,469,598			
256	(Less) 922 Administrative Expenses Transferred - Credit	(26,367,427)	(23,174,150)			
257	923 Outside Services Employed	15,860,455	14,700,618			
258	924 Property Insurance	4,597,726	4,002,327			
259	925 Injuries and Damages	341,494	126,712			
260	926 Employee Pensions and Benefits	37,390,629	47,896,743			
261	927 Franchise Requirements	_	_			
262	928 Regulatory Commission Expenses	_	_			
263	(Less) 929 Duplicate Charges - Credit	_	_			
264	930.1 General Advertising Expenses	_	_			
265	930.2 Miscellaneous General Expenses	4,788,049	4,565,556			
266	931 Rents	10,062,304	9,570,329			
267	TOTAL Operation (Total of lines 254 thru 266)	108,343,922	115,548,198			
268	Maintenance					
269	932 Maintenance of General Plant	5,725,452	5,092,579			
270	TOTAL Administrative and General Expenses (Total of lines 267 and 269)	114,069,374	120,640,777			
271	TOTAL Gas O&M Expenses (Total of lines 97,177, 201, 229, 237, 244, 251, and 270)	633,150,583	494,285,136			

Name of Respondent	This Report is:	Date of Report	Year of Report
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Gas Used in Utility Operations

1. Report below details of credits during the year to Accounts 810, 811, and 812.

2. If any natural gas was used by the respondent for which a charge was not made to the appropriate operating expense or other account, list separately in column (c) the Dth of gas used, omitting entries in column (d).

Line	Purpose for Which Gas was Used	Account	Natural Gas	Natural Gas	Manufactured Gas	Manufactured Gas
		Charged	Gas Used Dth	Amount of Credit (in dollars)	Gas Used Dth	Amount of Credit (in dollars)
No.	(a)	(b)	(c)	(d)	(e)	(f)
1	810 Gas Used for Compressor Station Fuel - Credit		_		N/A	N/A
2	811 Gas Used for Products Extraction - Credit				N/A	N/A
3	Gas Shrinkage and Other Usage in Respondent's Own Processing				N/A	N/A
4	Gas Shrinkage, etc. for Respondent's Gas Processed by Others				N/A	N/A
5	812 Gas Used for Other Utility Operations - Credit (Report separately for each principal use. Group minor uses.)		722,378	297,259	N/A	N/A
6	System - All Districts	Variable	278,827	297,259	N/A	N/A
7	LNG Plants	Inventory	165,038	0*	N/A	N/A
8	Underground Storage Compressors	Inventory	278,513	0*	N/A	N/A
9						
10						
11						
12						
13						
14						
15						
16						
17						
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19						
20						
21						
22						
23 24						
24	Total		722,378	297,259	N/A	N/A
-	I deal in the Cost of Inventory		122,318	297,209	IN/A	N/A

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

MISCELLANEOUS GENERAL EXPENSE (Account 930.2)

1. Provide the information requested below on miscellaneous general expenses.

2. For Other Expenses, show the (a) purpose, (b) recipient and (c) amount of such items. List separately amounts of \$250,000 or more however, amounts less than \$250,000 may be grouped if the number of items so grouped is shown.

Line	Description	Amount (in dollars)
No.	(a)	(b)
1	Industry association dues	30,000
2	Experimental and general research expenses	
3	a. Gas Research Institute (GRI) aka Gas Technology Institute (GTI)	197,435
4	b. Operations Technology Development (OTD)	335,000
5	c. Other	219,200
6	Publishing and distributing information and reports to stockholders, trustee, registrar, and transfer agent fees and expenses, and other expenses of servicing outstanding securities of the respondent	27,624
7	Other expenses	
8	a. Directors Retainers and Fees	2,227,429
9	b. COVID-19 Deferred Cost Savings and other COVID-19 related costs	923,244
10	c. TSA Amortization	561,625
11	d. Other Miscellaneous Expenses	266,492
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31	Total	4,788,049

Name of Respondent	This Report is:	Date of Report	Year of Report
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Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

Depreciation, Depletion and Amortization of Gas Plant (Accts 403, 404.1, 404.2, 404.3, 405) (Except Amortization of Acquisition Adjustments)

1. Report in Section A the amounts of depreciation expense, depletion and amortization for the accounts indicated and classified according to the plant functional groups shown.

2. Report in Section B, column (b) all depreciable or amortizable plant balances to which rates are applied and show a composite total. (If more desirable, report by plant account, subaccount or functional classifications other than those pre-printed in column (a). Indicate in a footnote the manner in which column (b) balances are obtained. If average balances are used, state the method of averaging used. For column (c) report available information for each plant functional classification listed in column (a). If composite depreciation accounting is used, report available information called for in columns (b) and (c) on this basis. Where the unit-of-production method is used to determine depreciation charges, show in a footnote any revisions made to estimated gas reserves.

3. If provisions for depreciation were made during the year in addition to depreciation provided by application of reported rates, state in a footnote the amounts and nature of the provisions and the plant items to which related.

See following pages

RESERVE BALANCES AND ACTIVITY BY FUNCTIONAL CLASS

NW NATURAL

									I
								Period Beginning: Period Ending:	January 2022 December 2022
unction	al Class	Beginning			Cost of	Salvage and	Transfers and	r choù Enang.	Ending
FERC I	Plant Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
ITILITY							•		
ntangib	e Plant								
301	ORGANIZATION	_	_	_	_	_	_	_	_
302	FRANCHISES & CONSENTS	_	_	_	_	_	_	_	_
303.1	COMPUTER SOFTWARE	41,180,817	6,711,593	(25,564,654)	_	_	_	_	22,327,755
303.11	COMPUTER SW HORIZON	—	813,380	_	_	_	_	_	813,380
303.12	COMPUTER SW TSA SECURITY DIRECTIVE	—	221,249	_	_	_	_	_	221,249
303.2	CUSTOMER INFORMATION SYSTEM	32,348,168	539	_	_	_	_	_	32,348,707
303.3	INDUSTRIAL & COMMERCIAL BIL	4,146,951	_	_	_	_	_	_	4,146,951
303.4	CRMS	—	_	_	_	_	_	_	_
303.5	POWERPLANT SOFTWARE	—	_	_	_	_	_	_	_
303.6	NMEP COMPUTER SOFTWARE	409,117	139,131	_	_	_	_	_	548,248
303.7	CLOUD-BASED SOFTWARE	2,416,859	3,403,972	_	_	_	_	_	5,820,831
303.71	CLOUD-BASED SW HORIZON	_	793,126	_	_	_	_	_	793,126
303.8	NWN ONLY NMEP COMPUTER SOFTW	276	311	_	_	_	_	_	586
	Intangible Plant Subtotal*	80,502,188	12,083,300	(25,564,654)	_	_	_	_	67,020,834
roducti	on Plant - Oil Gas								
304.1	LAND	_	_	_	_	_	_	_	_
305.2	P P O G STRU & IMPR-SEWER S	_	_	_	_	_	_	_	_
305.5	P P O G STRU & IMPR-OTHER Y	13,814	_	_	_	_	_	_	13,814
312.3	P P O G FUEL HANDLING AND S	_	_	_	_	_	_	_	_
318.3	P P O G LIGHT OIL REFINING	152,141	_	_	_	_	_	_	152,141
318.5	P P O G TAR PROCESSING	255,729	_	_	_	_	_	_	255,729
325	NATURAL GAS PROD AND GATHER	_	_	_	_	_	_	_	_
327	NATURAL GAS PROD & GATHERIN	_	_	_	_	_	_	_	_
328	NATURAL GAS PROD AND GATHER	_	_	_	_	_	_	_	_
331	NATURAL GAS PROD & GATHERIN	_	_	_	_	_	_	_	_
332	NATURAL GAS PROD & GATHERIN	_	_	_	_	_	_	_	_
333	NATURAL GAS PROD & GATHERIN	_	_	_	_	_	_	_	_
334	NATURAL GAS PROD & GATHERIN	_	_	_	_	_	_	_	_
	Production Plant - Oil Gas Subtotal*	421,683	_	_	_	_	_	_	421,683
roducti	on Plant - Other								
305.11	GAS PRODUCTION - COTTAGE G	8,736	_	_	_	_	_	_	8,736
305.17	STRUCTURES MIXING STATION	51,246	_	_	_	_	_	_	51,246
311	P P OTHER-LIQUEFIED PETROLE	_	_	_	_	_	_	_	_
311.4	P P OTHER-L P G GRANGER	_	_	_	_	_	_	_	_
311.7	LIQUIFIED GAS EQUIPMENT COO	8,066	_	_	_	_	_	_	8,066
311.8	LIQUIFIED GAS EQUIPMENT LIN	6,585	_	_	_	_	_	_	6,585
319	GAS MIXING EQUIPMENT GASCO	194,720	_	_	_	_	_	_	194,720
	Production Plant - Other Subtotal*	269,353	_	_	_	_	_	_	269,353
		,							,

* May not foot due to rounding.

Oregon and Washington Provision for Depreciation

RESERVE BALANCES AND ACTIVITY BY FUNCTIONAL CLASS

NW NATURAL

Function	al Class	Beginning			Cost of	Salvage and	Transfers and	Period Beginning: Period Ending:	January 2022 December 2022 Ending
	Plant Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
UTILITY								(_u,	
Natural (Gas Underground Storage								
350.1	LAND	_	_	_	_	_	_	_	_
350.2	RIGHTS-OF-WAY	35,139	1,564	_	_	_	_	_	36,703
350.3	NMEP RIGHTS-OF-WAY	22,887	8,539	_	_	_	_	_	31,426
350.4	NMEP LAND	3	1	_	_	_	_	_	3
350.5	NWN ONLY NMEP RIGHTS-OF-WAY	33	41	_	_	_	_	_	75
350.6	NWN ONLY NMEP- LAND	_	_	_	_	_	_	_	_
351	STRUCTURES AND IMPROVEMENTS	3,315,503	136,062	_	_	_	_	_	3,451,565
351.1	NMEP STRUCTURES AND IMPROVEMENTS	907,107	300,729	_	_	_	_	_	1,207,836
351.2	NWN ONLY NMEP STRUCTURES & IMPROVM	472	584	_	—	_	_	_	1,057
352	WELLS	13,451,111	480,076	_	—	_	_	_	13,931,187
352.1	STORAGE LEASEHOLD & RIGHTS	1,942,698	62,819	_	_	_	_	_	2,005,517
352.2	RESERVOIRS	3,051,185	122,421	_	—	—	—	-	3,173,606
352.3	NON-RECOVERABLE NATURAL GAS	3,862,011	99,834	_	_	_	_	_	3,961,845
352.4	NMEP WELLS	873,034	342,060	—	—	—	_	_	1,215,093
352.5	NMEP STORAGE LEASEHOLD & RIGHTS	134,636	49,718	_	—	_	_	_	184,354
352.6	NMEP RESERVOIRS	139,104	51,580	_	—	_	_	_	190,684
352.7	NMEP NON-RECOVERABLE NATURAL GAS	133,029	49,745	_	—	—	—	-	182,774
352.8	NWN ONLY NMEP WELLS	1,469	1,745	_	_	_	_	_	3,215
352.9	NWN ONLY NMEP STOR LEASEH & RIGHTS	239	282	_	_	_	_	_	521
352.10	NWN ONLY NMEP RESERVOIRS	246	296	_	_	_	_	_	542
352.11		236	287	_	_	_	_	_	524
353	LINES		190,932			_	_	_	
353.1		3,804,224	9,493	_	_	_	_	_	3,995,156
353.1	NWN ONLY NMEP LINES	24,566 (201,976)	9,493 32	_	_	_	_	_	34,059 (201,944)
353.2 354	COMPRESSOR STATION EQUIPMENT	16,600,158	526,151	_		_	_	_	17,126,309
354.7	NMEP COMPRESSOR STATION EQUIPMENT	1,607,300	582,996	_		_	_	_	2,190,296
354.8	NWN ONLY NMEP COMPRES STAT EQUIP	4,436	5,528	_		_			9,963
355	MEASURING / REGULATING EQUIPM	5,342,581	468,931	_	_	_	_	_	5,811,511
355.1	NMEP MEASURING/REGULATING EQUIPM	583,498	233,327	_	_	_	_	_	816,825
355.2	NWN ONLY NMEP MEASURING / REG EQUIP	1,012	1,352	_	_	_	_	_	2,364
356	PURIFICATION EQUIPMENT	718,262	438,405	_	_	_	_	_	1,156,666
356.1		448,537	156,369	_	_	_	_	_	604,906
357	OTHER EQUIPMENT	1,138,826	115,035	_	_	_	_	_	1,253,861
	Natural Gas Underground Storage Subtotal*	57,941,566	4,436,933	_	_	_	_	_	62,378,499
		,,	.,,						,•.•,•••

* May not foot due to rounding.

RESERVE BALANCES AND ACTIVITY BY FUNCTIONAL CLASS NW NATURAL

			NW NATORAL	•				
							Period Beginning: Period Ending:	January 2022 December 2022
Functional Class	Beginning			Cost of	Salvage and	Transfers and	Fenou Enuing.	Ending
FERC Plant Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
UTILITY						•		
Local Storage Plant								
360.11 LAND - LNG LINNTON	_	_	_	_	_	_	_	_
360.12 LAND - LNG NEWPORT	(242)	_	_	_	_	_	_	(242)
360.2 LAND - OTHER	· _ /	_	_	_	_	_	_	· _ /
361.11 STRUCTURES & IMPROVEMENTS	3,976,852	454,753	_	_	_	_	_	4,431,605
361.12 STRUCTURES & IMPROVEMENTS	4,194,877	513,474	_	_	_	_	_	4,708,351
361.2 STRUCTURES & IMPROVEMENTS -	13,312	464	_	_	_	_	_	13,776
362.11 GAS HOLDERS - LNG LINNTON	2,805,308	129,316	_	_	_	_	_	2,934,624
362.12 GAS HOLDERS - LNG NEWPORT	6,326,012	96,019	_	_	_	_	_	6,422,031
362.2 GAS HOLDERS - LNG OTHER	1,282	16	_	_	_	_	_	1,297
363.11 LIQUEFACTION EQUIP LINN	2,785,740	53,851	_	_	_	_	_	2,839,591
363.12 LIQUEFACTION EQUIP - NEWPO	7,548,919	208,490	_	_	_	_	_	7,757,409
363.21 VAPORIZING EQUIP - LINNTON	2,514,871	42,431	_		_	_	_	2,557,302
363.22 VAPORIZING EQUIP - NEWPORT	770,419	224,949	_		_	_	_	995,368
363.31 COMPRESSOR EQUIP - LINNTON	208,476	3,540	_	_	_	_	_	212,017
363.32 COMPRESSOR EQUIPMENT - NE	1,865,737	387,061				_	_	2,252,798
363.41 MEASURING & REGULATING EQU	999,163	191,186					_	1,190,349
363.42 MEASURING & REGULATING EQU	293,023	125,808					_	418,832
363.5 CNG REFUELING FACILITIES	1,671,865	79,842	_	_	_	_		1,751,707
363.6 LNG REFUELING FACILITIES	739,473	592	_	_	_	_	_	740,065
Local Storage Plant Subtotal*	36,715,086	2,511,793						39,226,879
Transmission Plant								
365.1 LAND			—	_	-	-	—	
365.2 LAND RIGHTS	2,420,713	95,752	—	_	-	-	—	2,516,465
365.3 NMEP LAND RIGHTS	29,040	10,439	—	—	-	-	-	39,479
365.4 NWN ONLY NMEP LAND RIGHTS	50	60	_	—	_	_	_	110
366.3 STRUCTURES & IMPROVEMENTS -	439,926	27,056	—	—	—	—	—	466,982
367 MAINS	46,820,441	3,806,076	_		_	—	_	50,626,517
367.21 NORTH MIST TRANSMISSION LI	1,280,286	33,443	_	_	_	_	—	1,313,728
367.22 SOUTH MIST TRANSMISSION LI	11,728,110	230,717	—	_	_	_	—	11,958,827
367.23 SOUTH MIST TRANSMISSION LI	16,607,368	662,164	—	_	_	_	_	17,269,532
367.24 11.7M S MIST TRANS LINE	7,174,133	332,149	_	_	_	_	—	7,506,282
367.25 12M NORTH S MIST TRANS	7,347,231	356,141	_	_	_	_	—	7,703,372
367.26 38M NORTH S MIST TRANS	27,112,628	1,304,381	_	_	_	_	_	28,417,009
367.27 NMEP MAINS	4,550,464	1,655,199	_	_	_	_	_	6,205,663
367.28 NWN ONLY NMEP MAINS	4,819	6,446	_	_	_	_	_	11,265
368 TRANSMISSION COMPRESSOR	(9)	· _	_	_	_	_	_	(9)
369 MEASURING & REGULATE STATION	1,907,740	82,433	_	_	_	_	_	1,990,173
370 COMMUNICATION EQUIPMENT	· · · · —	_	_	_	_	_	_	· · · —
Transmission Plant Subtotal*	127,422,941	8,602,454						136,025,395
	121,722,041	0,002,704		_	_	_	_	100,020,030

* May not foot due to rounding.

RESERVE BALANCES AND ACTIVITY BY FUNCTIONAL CLASS

NW NATURAL

Functiona		Beginning	Description	Retirements	Cost of	Salvage and	Transfers and	Period Beginning: Period Ending:	January 2022 December 2022 Ending
UTILITY	lant Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
Distributio									
374.1		4 742 848		_	_	_	_	_	4 700 454
374.2 375		1,712,848	9,305	_	_	—	_	_	1,722,154
375 376.11	STRUCTURES & IMPROVEMENTS MAINS < 4"	156,745	27,082	(84,400)	(4 425 054)	45 400	_	_	183,826
		385,875,772	16,692,397	(84,499)	(1,425,051)	15,409	_	_	401,074,028
376.12 376.13	MAINS 4" & > MNEP MAINS 4" & >	277,888,565	16,251,584	(174,429)	(1,269,315)	16,823	_	_	292,713,229
		39,367	15,379	_	_	_	_	_	54,745
377		699,564	10,516	_	_	_	_	_	710,080
378		15,627,763	1,047,448	_	_	_	_	_	16,675,212
378.1	MEASURING & REG EQUIP - RNG	1,847	(5,058)	_	_	_	_	_	(3,211
379	MEASURING & REG EQUIP - GATE	4,011,022	444,705	(200, 254)	(4 4 07 077)	_	_	_	4,455,727
380	SERVICES	484,656,492	24,517,207	(208,254)	(4,137,277)		_	_	504,828,169
381	METERS	19,026,190	202,874	—	_	11,177	—	_	19,240,242
381.1		2,091,193	(380,000)	—	_	—	—	_	1,711,193
381.2	ERT (ENCODER RECEIVER TRANS	19,433,251	(2,607,835)		-	—		—	16,825,416
382	METER INSTALLATIONS	4,667,816	1,206,375	(1,216,290)	-	—		—	4,657,901
382.1	METER INSTALLATIONS (ELECTR	204,240	43,027	—	_	_	—	—	247,267
382.2	ERT INSTALLATION (ENCODER	6,075,640	195,670	(84,095)	_	_	_	—	6,187,216
383	HOUSE REGULATORS	543,787	79,082	_	_	—	_	—	622,862
386	OTHER PROPERTY ON CUSTOMERS P	511,391	122,656	—	-	—	—	—	634,047
386.1	MULTI-FAMILY METER ROOMS	—		—	_	—	—	—	_
387.1	CATHODIC PROTECTION TESTING	147,699	1,469	—	—	—	—	_	149,168
387.2	CALORIMETERS @ GATE STATIONS	96,424	_	_	—	_	_	_	96,424
387.3	METER TESTING EQUIPMENT	72,671							72,671
	Distribution Plant Subtotal*	1,223,540,280	57,873,887	(1,767,567)	(6,831,643)	43,409	—	_	1,272,858,366

* May not foot due to rounding.

RESERVE BALANCES AND ACTIVITY BY FUNCTIONAL CLASS NW NATURAL

Period Beginning: January 2022

								Period Ending:	December 2022
Function	al Class	Beginning			Cost of	Salvage and	Transfers and		Ending
FERC I	Plant Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
UTILITY									
General F	Plant								
389	LAND	426,129	_	_	_	_	_	_	426,129
390	STRUCTURES & IMPROVEMENTS	16,190,755	2,567,821	_	_	_	_	_	18,758,576
390.1	SOURCE CONTROL PLANT	6,528,063	479,783	_	_	_	_	_	7,007,847
391.1	OFFICE FURNITURE & EQUIPMEN	6,597,384	702,850	(150,625)	_	_	_	_	7,149,609
391.2	COMPUTERS	26,058,461	7,822,105	(10,028,626)	_	—	_	_	23,851,940
391.21	COMPUTERS HORIZON	_	108,802	_	_	—	_	_	108,802
391.22	COMPUTERS TSA SECURITY DIRECTIVE	_	1,064,346	_	_	—	_	_	1,064,346
391.3	ON SITE BILLING	_	_	_	_	—	_	_	_
391.4	CUSTOMER INFORMATION SYSTEM	_	_	_	_	—	_	_	_
391.5	NMEP COMPUTERS	261,454	122,834	_	_	—	_	_	384,288
391.6	NMEP POWER OPERATED EQUIPMENT	1,080	1,364	_	_	—	_	_	2,443
392	TRANSPORTATION EQUIPMENT	16,719,520	2,603,457	(810,292)	_	481,303	_	_	18,993,988
393	STORES EQUIPMENT	119,406	_	_	_	—	_	_	119,406
394	TOOLS - SHOP & GARAGE EQUIPUI	6,653,407	615,044	_	_	28,913	_	_	7,297,364
395	LABORATORY EQUIPMENT	(32)	(8)	—	_	—	—	_	(39)
396	POWER OPERATED EQUIPMENT	2,882,211	112,301	(283,891)	_	316,493	—	_	3,027,114
396.1	NMEP POWER OPERATED EQUIPMENT	5,857	11,206	—	_	—	—	_	17,064
397	GEN PLANT-COMMUNICATION EQU	47,828	6,439	(17,683)	_	—	—	_	36,584
397.1	MOBILE	997,861	407,251	—	_	—	—	_	1,405,112
397.2	OTHER THAN MOBILE & TELEMET	(45,361)	(13,462)	—	_	—	—	_	(58,823)
397.3	TELEMETERING - OTHER	1,352,933	749,673	(53,242)	_	—	—	_	2,049,364
397.4	TELEMETERING - MICROWAVE	1,055,153	399,152	(61,120)	_	—	—	_	1,393,185
397.5	TELEPHONE EQUIPMENT	352,519	5,350	—	_	—	—	_	357,869
398	GEN PLANT-MISCELLANEOUS EQU	—	_	—	_	—	—	_	_
398.1	PRINT SHOP	2,795	(410)	—	_	—	—	_	2,385
398.2	KITCHEN EQUIPMENT	10,006	2,253	—	_	—	—	_	12,259
398.3	JANITORIAL EQUIPMENT	14,873	_	—	_	—	—	_	14,873
398.4	INSTALLED IN LEASED BUILDINGS	10,120	_	—	_	—	—	_	10,120
398.5	OTHER MISCELLANEOUS EQUIPMENT	66,739		_					66,739
	General Plant Subtotal*	86,309,163	17,768,151	(11,405,478)	_	826,709	_	_	93,498,545
	Utility Property Grand Total*	1,613,122,259	103,276,518	(38,737,699)	(6,831,643)	870,118	_		1,671,699,553

* May not foot due to rounding.

Oregon and Washington Provision for Depreciation

RESERVE BALANCES AND ACTIVITY BY FUNCTIONAL CLASS

NW NATURAL

Period Beginning: January 2022

								Period Ending:	December 2022
Functional (Class	Beginning			Cost of	Salvage and	Transfers and		Ending
FERC Pla	nt Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
NON UTILIT	Y								
Intangible P	lant								
303.1	COMPUTER SOFTWARE	93,273	9,714	(163,357)	_	_	_	_	(60,369)
303.2	CUSTOMER INFORMATION SYSTEM	50,086	5	_	_	_	_	_	50,091
Non Utility	y Intangible Plant Subtotal*	143,359	9,719	(163,357)	_	_	_	_	(10,278)
Natural Gas	Underground Storage								
352	WELLS	5,104,880	312,986	_	_	_	_	_	5,417,866
352.1	STORAGE LEASEHOLD & RIGHTS	292	16	_	_	_	_	_	308
352.2	RESERVOIRS	1,129,473	59,952	_	_	_	_	_	1,189,425
353	LINES	580,269	53,019	_	_	_	_	_	633,288
354	COMPRESSOR STATION EQUIPMENT	5,115,683	246,714	_	_	_	_	_	5,362,397
355	MEASURING / REGULATING EQUIPM	2,723,663	204,366	_	_	_	_	_	2,928,029
357	OTHER EQUIPMENT	17,147	1,409	_	_	_	_	_	18,556
Non Utility	y Natural Gas Underground Storage Subtotal*	14,671,407	878,462	_	_	_	_	_	15,549,869
Transmissio	on Plant								
368	TRANSMISSION COMPRESSOR	3,050,541	164,768	_	_	_	_	_	3,215,309
Non Utility	y Transmission Plant Subtotal*	3,050,541	164,768	_	_	_	_	_	3,215,309
Distribution	Plant								
376.12	MAINS 4" & >	1,365	157	_	_	_	_	_	1,522
Non Utility	y Distribution Plant Subtotal*	1,365	157	_	_	_	_	_	1,522
General Pla	nt								
389	LAND	_	_	_	_	_	_	_	_
390	STRUCTURES & IMPROVEMENTS	55,496	5,611	_	_	_	_	_	61,107
Non Utility	y General Plant Subtotal*	55,496	5,611	_	_	-	_	—	61,107
Non Utility (Other								
121.1	NON-UTIL PROP-DOCK	1,947,067	13,752	_	_	_	_	_	1,960,819
121.2	NON-UTIL PROP-LAND	_	_	_	_	_	_	_	_
121.3	NON-UTIL PROP-OIL ST	2,317,342	35,771	_	_	_	_	_	2,353,113
121.7	NON-UTIL PROP-APPL CENTER	56,088	3,854	_	_	_	_	_	59,942
121.8	NON-UTIL PROP-STORAGE	(1)	_	_	_	_	—	—	(1)
Non Utility	y Other*	4,320,496	53,377	_	_	_	_	_	4,373,873
	Non Utility Property Grand Total*	22,242,662	1,112,094	(163,357)					23,191,399
				, , , ,					

* May not foot due to rounding

RESERVE BALANCES AND ACTIVITY BY FUNCTIONAL CLASS NW NATURAL

Period Beginning: January 2022

Period Ending: December 2022

Functional C		Boginning			Cost of	Salvaga and	Transfers and		December 2
	nt Account	Beginning Reserve	Provision	Retirements	Cost of Removal	Salvage and Other Credits	Adjustments	Loss/(Gain)	Ending Reserve*
	IMMARY ALL UTILITY DEPRECIATI		12/31/2022	Nethenlents	Removal	Other Credits	Aujustinents	LUSSI(Galli)	Neseive"
UTILITY	MIMARTALE OTHERT DEFRECIATI	ON RESERVES	12/31/2022						
145006		(10,385,377)							
145009		(263,551)							
145012		967,454							
145012		(230,024)							
145013		(4,758,646)							
145021		(84,018,499)							
145024		1,265,187,738							
145024		24,304,964							
145027									
145030		(5,319,363) (1,645,265)							
145035									
145030		3,712,352							
169010		11,611,469							
145045		6,613,957							
260005		463,559,290							
260010		2,532,234							
145048		31,848							
145051									
145051		(202,000) 971							
145060		9/1							
ADD:	SUBTOTAL*	_	1,671,699,553						
	REMOVAL WORK IN PROCESS		(66,764,190)						
	ROU UTIL LEAS ACC DE		13,274,179						
	FIN UTIL LEA ACC DEP		132,879						
	COST OF REMOVAL		152,079						
	OR METER/ERT's		(4 006 956)						
			(1,006,856)						
145066	WA METER/ERT's	_	(243,552)						
	TOTAL UTILITY DEPRECIATION*	_	1,616,323,721						
	JMMARY ALL NON-UTILITY RESER	VES DEPRECIATION							
NON UTIL	ITY								
145405		(124,325)							
145410		1,034							
145415 145420		4,582,025 17,846,564							
145420		(764,395)							
260015		1,650,496							
200013	TOTAL NON UTILITY DEPRECIATIO		23,191,399						
	ot due to rounding	_	23,191,399						

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	DEPRECIATION, DEPLETION,	AND AMORTIZATION OF	GAS PLANT (Continued)
4. Ad	d rows as necessary to completely report all data. N	lumber the additional rows in sequ	ience as 2.10, 3.10, 3.02, etc.
Line	Functional Classification	Plant Bases (in thousands)	Applied Depreciation or Amortization Rates (percent)
No.	(a)	(b)	(c)
1	Production and Gathering Plant		
2	Offshore	N/A	N/A
3	Onshore	N/A	N/A
4	Underground Gas Storage Plant	297,290	1.79%
5	Transmission Plant		
6	Offshore	N/A	N/A
7	Onshore	N/A	N/A
8	General Plant	N/A	N/A
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PARTICULARS CONCERNING CERTAIN INCOME DEDUCTIONS AND INTEREST CHARGES ACCOUNTS

Report the information specified below, in the order given, for the respective income deduction and interest charges accounts.

(a) Miscellaneous Amortization (Account 425) - Describe the nature of items included in this account, the contra account charged, the total of amortization charges for the year, and the period of amortization.

(b) Miscellaneous Income Deductions - Report the nature, payee, and amount of other income deductions for the year as required by Accounts 426.1, Donations; 426.2, Life Insurance; 426.3, Penalties; 426.4, Expenditures for Certain Civic, Political and Related Activities; and 426.5, Amounts of less than \$250,000 may be grouped by classes within the above accounts.

(c) Interest on Debt to Associated Companies (Account 430) -For each associated company that incurred interest on debt during the year, indicate the amount and interest rate respectively for (a) advances on notes, (b) advances on open account, (c) notes payable, (d) accounts payable, and (e) other debt, and total interest. Explain the nature of other debt on which interest was incurred during the year.

(d) Other Interest Expense (Account 431) - Report details including the amount and interest rate for other interest charges incurred during the year.

Line	Item	Amount
No.	(a)	(b)
1	Account 425 Miscellaneous Amortization	
3	Account 426.1 Donations	899,740
4	Account 426.2 Life Insurance - Increase in CSV and Death Benefits	(1,248,738)
5	Account 426.3 Penalties	(20,197)
6	Account 426.4 Civic, Political and Related Activities	1,528,492
7	Account 426.5 Other Deductions	_
8	Total Account 426	1,159,297
9	Account 430 Interest on Debt to Associated Companies	—
10	Account 431 Other Interest Expense	
11	Deferred Compensation	522,214
12	Line of Credit	786,811
13	Notes Payable	2,529,396
14	Other	235,611
15	Total Account 431	4,074,032
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	REGULATORY COMMISSION	EXPENSES (A	ccount 92	8)	
1. Re forma	port below details of regulatory commission expenses incurred during I cases before a regulatory body, or cases in which such a body was	g the current year (a party.	or in previous	years, if being a	mortized) relating to
	column (b) and (c), indicate whether the expenses were assessed by				
		0 , ,		,	2
	I contraction of the second seco	1	1		
	Description	Assessed by		Total	Deferred in
Line	(Furnish name of regulatory commission or body, the docket or case number, and a description of the case.)	Regulatory Commission	Expenses of Utility	Expenses to Date	Account 182.3 at Beginning of Year
No.	(a)	(b)	· ·		
1	(a)	(0)	(c)	(d)	(e)
2	Northwest Natural does not track a	 vpopsos by form:	l l rogulatory /		
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24					
25	Total				

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REGULATORY COMMISSION EXPENSES (Account 928) (Continued)

3. Show in column (k) any expenses incurred in prior years that are being amortized. List in column (a) the period of amortization.

4. Identify separately all annual charge adjustments (ACA)

5. List in column (f), (g), and (h) expenses incurred during year which were charges currently to income, plant, or other accounts.

6. Minor items (less than \$250,000) may be grouped.

Expenses Incurred During Year Charged Currently To Department (f)	Expenses Incurred During Year Charged Currently To Account No. (g)	Expenses Incurred During Year Charged Currently To Amount (h)	Expenses Incurred During Year Charged Currently To Deferred to Account 192.3 (i)	Amortized During Year Contra Account (j)	Amortized During Year Amount (k)	Deferred in Account 182.3 at End of Year (I)	Line No.
							1
	Northwest Na	atural does not track	expenses by formal r	egulatory cases	5.		2
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	Employee Pensions and Benefits (Account 926)	
1. Re	port below the items contained in Account 926, Employee Pensions & Benefits	
Line	Expense	Amount
No.	(a)	(b)
1	Health Benefits	11,808,948
2	Pensions - defined benefit plans	10,250,683
3	Defined contribution plans	5,834,759
4	Pensions - other	1,286,062
5	Benefits dept salaries & wages	3,250,589
6	Stock compensation expenses	2,038,617
7	Other postemployment benefit plans	1,664,124
8	Workers compensation and other STD/Family Leave	907,514
9	Other Benefits	349,333
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30	Total	37,390,629

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DISTRIBUTION OF SALARIES AND WAGES

Report below the distribution of total salaries and wages for the year. Segregate amounts originally charged to clearing accounts to Utility Departments, Construction, Plant Removals and Other Accounts, and enter such amounts in the appropriate lines and columns provided. Salaries and wages billed to the Respondent by an affiliated company must be assigned to the particular operating function(s) relating to the expenses.

expenses. In determining this segregation of salaries and wages originally charged to clearing accounts, a method of approximation giving substantially correct results may be used. When reporting detail of other accounts, enter as many rows as necessary numbered sequentially starting with 75.01, 75.02, etc

75.01,	75.02, 610				
Line	Classification	Direct Payroll Distribution	Payroll Billed by Affiliated Companies	Allocation of Payroll Charged for Clearing Accounts	Total
No.	(a)	(b)	(c)	(d)	(e)
1	Electric				
2	Operation				
3	Production		_	—	—
4	Transmission		_	—	—
5	Distribution		_	—	—
6	Customer Accounts		_	—	—
7	Customer Service and Informational	_	_	—	_
8	Sales	_	_	—	_
9	Administrative and General		_		
10	TOTAL Operation (Total of lines 3 thru 9)	_	_	—	_
11	Maintenance				
12	Production	_	_	_	_
13	Transmission	_	_	_	_
14	Distribution	_	_	_	_
15	Administrative and General	_	_	_	_
16	TOTAL Maint. (Total of lines 12 thru 15)	_	_	_	_
17	Total Operation and Maintenance				
18	Production (Total of lines 3 and 12)	_	_	_	_
19	Transmission (Total of lines 4 and 13)	_	_	_	_
20	Distribution (Total of lines 5 and 14)	_	_	_	_
21	Customer Accounts (Line 6)	_	_	_	_
22	Customer Service and Informational (Line 7)	_	_	_	_
23	Sales (Line 8)	_	_	_	_
24	Administrative and General (Total of lines 9 and 15)	_	_	_	_
25	TOTAL Oper. and Maint. (Total of lines 18 thru 24)	_	_	_	_
26	Gas				
27	Operation				
28	Production - Manufactured Gas	_	_	_	_
29	Production - Nat. Gas (Including Expl. and Dev.)	_	_	_	_
30	Other Gas Supply	_	_	_	_
31	Storage, LNG Terminaling and Processing	2,673,408	_	244,773	2,918,181
32	Transmission	707,641	_	98,721	806,362
33	Distribution	18,369,458		2,610,127	20,979,585
34	Customer Accounts	8,893,411		870,655	9,764,066
35	Customer Service and Informational	2,266,146		213,506	2,479,652
36	Sales	871,785		83,147	954,932
37	Administrative and General	28,007,775		2,739,776	30,747,551
38	TOTAL Operation (Total of lines 28 thru 37)	61,789,624		6,860,705	68,650,329
39	Maintenance				

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DISTRIBUTION OF SALAF	RIES AND W	AGES (contin	ued)		
Classification	Direct Payroll Distribution	Payroll Billed by Affiliated Companies	Allocation of Payroll Charged for Clearing Accounts	Total	Line
(a)	(b)	(c)	(d)	(e)	No.
Production - Manufactured Gas					40
Production - Natural Gas					41
Other Gas Supply					42
Storage, LNG Terminaling and Processing	845,583		85,215	930,798	43
Transmission	1,974,412		185,872	2,160,284	44
Distribution	8,655,967		1,025,049	9,681,016	45
Administrative and General	1,624,734		41,040	1,665,774	46
TOTAL Maint. (Total of lines 40 thru 46)	13,100,696		1,337,176	14,437,872	47
Gas (Continued)					48
Total Operation and Maintenance					49
Production - Manufactured Gas (Lines 28 and 40)					50
Production - Nat. Gas (Including Expl. and Dev.) (Lines 29 and 41)			_	_	51
Other Gas Supply (Lines 30 and 42)			_	_	52
Storage, LNG Terminaling and Processing (Lines 31 and 43)	3,518,991		329,988	3,848,979	53
Transmission (Total of lines 32 and 44)	2,682,053	_	284,593	2,966,646	54
Distribution (Total of lines 33 and 45)	27,025,425	_	3,635,176	30,660,601	55
Customer Accounts (Total of line 34)	8,893,411	_	870,655	9,764,066	56
Customer Service and Informational (Total of line 35)	2,266,146	_	213,506	2,479,652	57
Sales (Total of line 36)	871,785	_	83,147	954,932	58
Administrative and General (Total of lines 37 and 46)	29,632,509	_	2,780,816	32,413,325	59
TOTAL Operation and Maintenance (Total of lines 50 thru 59)	74,890,320	_	8,197,881	83,088,201	60
Other Utility Departments					61
Operation and Maintenance	_	_	_		62
TOTAL All Utility Dept. (Total of lines 25,60, and 62)	74,890,320	_	8,197,881	83,088,201	63
Utility Plant					64
Construction (By Utility Departments)					65
Electric Plant	_	_	_	_	66
Gas Plant	49,016,585	_	4,394,299	53,410,884	67
Other	_	_	_	_	68
TOTAL Construction (Total of lines 66 thru 68)	49,016,585	_	4,394,299	53,410,884	69
Plant Removal (By Utility Departments)					70
Electric Plant	_	_	_	_	71
Gas Plant	_	_	_	_	72
Other	_	_	_		73
TOTAL Plant Removal (Total of lines 71 thru 73)	_	_	_		74
Other Accounts (Specify):					75
Merchandising	1,243,078			1,243,078	75.01
Governmental & Public Affairs & Other Non-Utility	438,981	_	570,748	1,009,729	75.02
Utility Employee Sal&Wage - Charged to Renewables	145,701	_	_	145,701	75.03
Utility Employee Sal&Wage - Charged to NWN Gas Storage	204,300	_	_	204,300	75.04
Utility Employee Sal&Wage - Charged to Interstate Storage	883,033	_	_	883,033	75.05
Utility Employee Sal&Wage - Charged to Coos County		_	373,985	373,985	75.06
Utility Employee Sal&Wage - Charged to NWN Energy	3,759	_		3,759	75.07
Utility Employee Sal&Wage - Charged to Holdco	178,844	_	_	178,844	75.08
Utility Employee Sal&Wage - Charged to Water	453,455	_	_	453,455	75.09
TOTAL Other Accounts	3,551,151		944,733	4,495,884	76
TOTAL SALARIES AND WAGES	127,458,056	_	13,536,913	140,994,969	77

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CHARGES FOR OUTSIDE PROFESSIONAL AND OTHER CONSULTATIVE SERVICES

1. Report the information specified below for all charges made during the year included in any account (including plant accounts) for outside consultative and other professional services. These services include rate, management, construction, engineering, research, financial, valuation, legal, accounting, purchasing, advertising, labor relations, and public relations, rendered for the respondent under written or oral arrangement, for which aggregate payments were made during the year to any corporation, partnership, organization of any kind, or individual (other than for services as an employee or for payments made for medical and related

(a) Name of person or organization rendering services.

(b) Total charges for the year.

2. Sum under a description "Other" all of the aforementioned services amounting to \$250,000 or less.

3. Total under a description "Total", the total of all of the aforementioned services.

4. Charges for outside professional and other consultative services provided schedule. Line Amount (in Dollars) Description No (a) (b) 1 LOY CLARK CONSTRUCTION 34.501.327 2 BREMIK CONSTRUCTION INC 20,445,985 14,854,808 3 ACCENTURE INTERNATIONAL LIMITED BRIX PAVING NORTHWEST INC 4 12,341,178 5 ANCHOR QEA LLC 10,353,043 6 JH KELLY LLC 8,889,369 7 M10 INC 8,633,199 8 LOCATING INC 6,793,377 9 INTERNATIONAL BUSINESS MACHINES 5,486,942 10 SEVENSON ENVIRONMENTAL 4,647,804 11 PAYMENTUS CORPORATION 4,182,722 12 SLALOM LLC 4,050,937 13 K & D SERVICES OF OREGON 3,624,586 SHI INTERNATIONAL CORP 2,958,555 14 15 INTEGRITY TRAFFIC OR LLC 2,908,020 16 2,490,364 COOPER MACHINERY SERVICES 17 PEARL LEGAL GROUP PC 2,403,974 18 STRATEGIC BUSINESS SOLUTIONS INC 2,200,918 19 THE NORTH HIGHLAND COMPANY 2,047,400 20 HARDER MECHANICAL CONTRACTORS INC 1,944,570 21 HEATH CONSULTANTS INC 1,890,786 PRICEWATERHOUSECOOPERS LLP 22 1,822,135 1,780,841 23 PEPPER FOSTER CONSULTING 24 INFOSYS LIMITED 1,757,769 PERCIPIO CONSULTING GROUP INC 25 1,702,904 26 ROBERT HALF INTERNATIONAL 1,568,534 27 FORENSICS CORP 1,510,804 TAURUS POWER & CONTROLS 28 1,509,168 29 **OSHYN INC** 1,439,655 30 TEK SYSTEMS 1,418,626 31 BRADSON TECHNOLOGY LLC 1,416,525 32 COURTNEY & SON INC 1,120,428 33 MCDOWELL RACKNER & GIBSON PC 1,075,872 34 1,032,780 ACUREN INSPECTION INC 35 ONLINE ENTERPRISES INC 1,002,709 36 FLUX RESOURCES LLC 946,568 ERNST & YOUNG US LLP 919,000 37 38 LRS ARCHITECTS INC 798,230 NORTHWEST STAFFING RESOURCES INC 788,388 39 738,700 40 BAKER BOTTS LLP 41 PROPELLER INC 729,354 42 THE AUTOMATION GROUP INC 694.996

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	CHARGES FOR OUTSIDE PROFESSIONAL AND OTHER CONSUL	TATIVE SERVICES (Continued)
Line	Description	Amount (in Dollars)
No.	(a)	(b)
43	GEOENGINEERS INC	682,079
44	SANBORN HEAD & ASSOCIATES INC	671,599
45	NORWEST ENGINEERING INC	632,517
46	STOEL RIVES LLP	558,284
47	ENTEGRALLP	544,503
48	PILLSBURY WINTHROP SHAW PITTMAN LLP	491,152
49	FORRESTER RESEARCH INC	480,350
50	AURITAS LLC	479,070
51	DELOITTE CONSULTING LLP	476,069
52	BRADFORD CONSULTING ENGINEERS INC	462,275
53	SIEMENS ENERGY INC	456,129
54	BEACON HILL STAFFING GROUP LLC	454,078
55	BEGGS CONSTRUCTION INC	451,258
56	JHI ENGINEERING INC	447,045
57	LEVEL ONE A DOXIM COMPANY	419,182
58	TECH TALENT LINK INC	413,913
59	THE ATUM GROUP LLC	410,956
60	GENERAL UTILITIES CO	395,187
61	JPMORGAN CHASE BANK	380,556
62	RANDY L BOEHM	380,391
63	ADO PROFESSIONAL SOLUTIONS INC	367,422
64	OUTREACH EXPERTS LLC	362,901
65	REIMERS & JOLIVETTE INC	359,171
66	PROS INCORPORATED	357,722
67	GREENBERG TRAURIG LLP	351,753
68	VANDERHOUWEN & ASSOCIATES INC	338,519
69	RIZING LLC	334,493
70	ONE CALL CONCEPTS INC	330,882
71	HARRIS GROUP INC	312,486
72	MORGAN LEWIS & BOCKIUS LLP	302.847
73	STANDARD & POOR'S	296,000
	BOLT MARKETING GROUP LLC	280,673
75	FINE LINE CONCRETE CUTTING INC	275,690
76	BURNS & MCDONNELL ENGINEERING	274,520
77	ABM INDUSTRIES INC	272,322
78	TOKUSAKU INCORPORATED	271,440
79	BAKER HUGHES OILFIELD OPERATIONS LL	270,530
80	HAHN AND ASSOCIATES INC	268,545
81	BCOD INC	265,299
82	MATRIX PDM ENGINEERING INC	260,506
83	BROTHERS PIPELINE CORP	258,809
84	IRANI ENGINEERING INC	255,433
85	Other (Vendors < \$250k)	12,564,824
91		12,007,027
	ΤΟΤΑΙ	212,343,230
92	TOTAL	212,34

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Transactions with Associated (Affiliated) Companies 1. Report below the information called for concerning all goods or services received from or provided to associated (affiliated) companies amounting to more than \$250,000. 2. Sum under a description "Other", all of the aforementioned goods and services amounting to \$250,000 or less. 3. Total under a description "Total", the total of all of the aforementioned goods and services. 4. Where amounts billed to or received from the associated (affiliated) company are based on an allocation process, explain in a footnote the basis of the allocation. Account(s) Amounts Name of Associated/Affiliated Charged or Charged or Line Description of the Goods or Service company Credited Credited No. (a) (b) (c) (d) Goods or Services Provided to an Affiliated Company 1 2 Labor - salaries & overhead NW Natural Holding Company 1,955,136 Various 3 Labor - salaries & overhead NW Natural Gas Storage, LLC Various 378,195 NW Natural Water Company, LLC 535,079 4 Labor - salaries & overhead Various 5 Labor - salaries & overhead NWN Renewables Holding Various 277,255 6 Labor - salaries & overhead <\$250,000 Various 15,289 Various NW Natural Water Company, LLC Various 958,639 7 Indirect costs allocation** and insurance allocation* Indirect costs allocation** and insurance allocation* 8 <\$250,000 Various Various 262,164 9 Other goods and services <\$250,000 Various Various 198,764 TOTAL 4,580,521 10 11 12 13 14 15 Goods or Services Received from an Affiliated Company 16 KB pipeline demand & volumetric charge NNG Financial Corporation Various (226,305 Other goods and services <\$250,000 (101,348) 17 Various Various (327,653) 18 TOTAL 19 20 21 22 23 24 25 26

See Affiliated Interest Report filed annually with the Oregon Public Utility Commission (OPUC) and Washington Utilities and Transportation Commission (WUTC) for further information regarding affiliate allocations and billings.

*2022/2023 prepaid insurance billed to affiliates has an allocation process using consistent methodology to allocate the premiums as needed to the affiliates. The allocation process is consistent with that stated in our cost allocation manual as filed with the Public Utilities Commission (PUC). Policies purchased directly on behalf of affiliates are 100% reimbursed directly and are not included in the allocation - those reimbursements are also included here.

**2022 indirect costs billed to affiliates based on the Massachusetts Method in accordance with our Cost Allocation Manual.

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COMPRESSOR STATIONS

1. Report below details concerning compressor stations. Use the following subheading; field compressor stations, products extraction compressor stations, underground compressor stations, transmission compressor stations, distribution compressor stations, and other compressor stations.

2. For column (a), indicate the production areas where such stations are used. Group relatively small field compressor stations by production areas. Show the number of stations grouped. Identify any station held under a title other than full ownership. State in a footnote the name of owner or co-owner, the nature of respondent's title, and percent of ownership if jointly owned.

Line	Name of station and location	Number of Units at Station	Certificated Horsepower for Each Station	Plant Cost
No.	(a)	(b)	(c)	(d)
1	Underground Storage Compressors:			
2	Miller Station, Mist, Oregon	4	15,400	39,847,635
3	North Mist, Mist, Oregon	2	3,750	23,166,410
4	(Fuel used is natural gas)			
5	Field Compressors: NON-UTILITY			
6	Molalla, Oregon	2	2,219	7,723,454
7	Deer Island, Oregon	1	1,680	3,739,477
8	(Fuel used is natural gas)			
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COMPRESSOR STATIONS (Continued)

Designate any station that was not operated during the past year. State in a footnote whether the book cost of such station has been retired in the books of account, or what disposition of the station and its book cost are contemplated. Designate any compressor units in transmission compressor stations installed and put into operation during the year and show in a footnote each unit's size and date the unit was placed in operation.

3. For Column (e), include the type of fuel or power, if other than natural gas. If two types of fuel or power are used, show separate entries for natural gas and the other fuel or Power.

Expenses (except depreciation and taxes) Fuel (e)	Expenses (except depreciation and taxes) Power (f)	Expenses (except depreciation and taxes) Other (g)	Gas for Compressor Fuel in Dth (h)	Electricity for Compressor Station kWh (i)	Operational Data Total Compressor Hours of Operation during the Year (j)	Operational Data Number of Compressor Operated at Time of Station Peak (k)	Date of Station Peak (I)	Line No. 1
10,477	N/A	N/A	278,513	N/A	9,083	4	12/22/22	2
	N/A	N/A	69,187	N/A	7,276	2	12/21/22	3
								4
1.000								5
4,620	N/A	N/A	1,401	N/A	13	N/A	N/A	6
418	N/A	N/A	136	N/A	76	N/A	N/A	7
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Note: Fuel used storage.	by the compress	ors is added to the	e value of the inve	entory and expen	sed as a cost of g	as when the inve	entory is withdraw	n from

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	GAS STORAGE PROJECTS						
1. Re	1. Report injections and withdrawals of gas for all storage projects used by respondent.						
Line	Item	Gas Belonging to Respondent (Dth)	Gas Belonging to Others (Dth)	Total Amount (Dth)			
No.	(a)	(b)	(c)	(d)			
	STORAGE OPERATIONS (in Dth)	_					
1	Gas Delivered to Storage		1				
2	January	64,317	—	64,317			
3	February		48,218	48,218			
4	March		290,438	290,438			
5	April	47,066	329,543	376,609			
6	Мау	1,759,496	1,733,355	3,492,851			
7	June	2,209,356	1,031,901	3,241,257			
8	July	1,676,658	268,028	1,944,686			
9	August	2,315,643	3,647	2,319,290			
10	September	1,581,037	362,429	1,943,466			
11	October	1,691,124	1,204,891	2,896,015			
12	November	322	560,792	561,114			
13	December	20,283	146,924	167,207			
14	TOTAL (Total of Lines 2 Thru 13)	11,365,302	5,980,166	17,345,468			
15	Gas Withdrawn from Storage						
16	January	3,039,313	1,375,968	4,415,281			
17	February	2,174,887	795,129	2,970,016			
18	March	586,983	42,753	629,736			
19	April	1,367,577	433,234	1,800,811			
20	Мау	147,741	2,605	150,346			
21	June	36,465	2	36,467			
22	July	34,385	187,117	221,502			
23	August	6,564	1,240,590	1,247,154			
24	September	30,947	975,884	1,006,831			
25	October	107,571	26,445	134,016			
26	November	773,373	52,811	826,184			
27	December	2,644,550	1,730,445	4,374,995			
28	TOTAL (Total of lines 16 thru 27)	10,950,356	6,862,983	17,813,339			

Note 1: Storage withdrawals shown above include Jackson Prairie activity, net of fuel (gas measured at the city gate.) Note 2: Starting in May 2019, NW Natural placed its North Mist gas storage expansion project into service. The activity in column (c) represents the injections and withdrawals into the North Mist storage facility.

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

GAS STORAGE PROJECTS

	GAS STORAGET ROSECTS	
1. On	n line 4, enter the total storage capacity certificated by FERC.	
2. Re in a fo	port total amount in Dth or other unit, as applicable on lines 2, 3, 4, 7. If quantity is convotnete.	verted from Mcf to Dth, provide conversion factor
Line	Item	Total Amount (Dth)
No.	(a)	(b)
	STORAGE OPERATIONS	
1	Total of Working Gas End of Year (See Note 1)	11,678,222
2	Cushion Gas (Including Native Gas) (See Note 2)	9,057,244
3	Total Gas in Reservoir (Total of Line 1 and 2)	20,735,466
4	Certificated Storage Capacity	NA
5	Number of Injection - Withdrawal Wells (Mist only)	21
6	Number of Observation Wells (Mist only)	23
7	Maximum Day's Withdrawal from Storage (All Underground Storage)	412,068
8	Date of Maximum Days' Withdrawal	12/22/22
9	LNG Terminal Companies	2
10	Number of Tanks	2
11	Capacity of Tanks (in Dth)	1,600,000
12	LNG Volumes	
13	Received at "Ship Rail"	
14	Transferred to Tanks	850,228
15	Withdrawn from Tanks	820,837
16	"Boil Off" Vaporization Loss	
Vote '	1: The working gas on line 1 above includes gas recorded in the 164.1 and 164.3 account (as that gas is surred by the storage surface and is pet included in NW Networks	nts. It excludes the working gas at our North Mist

facility as that gas on line 2 includes the cushion gas at the North Mist facility as that gas is owned by NW Natural and included in a 117.4 account.

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Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
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TRANSMISSION LINES

1. Report below, by state, the total miles of transmission lines of each transmission system operated by respondent at end of year.

2. Report separately any lines held under a title other than full ownership. Designate such lines with an asterisk, in column (b) and in a footnote state the name of the owner, or co-owner, nature of respondent's title, and percent of ownership if jointly owned.

Report separately any line that was not operated during the past year. Enter in a footnote the details and state whether the book cost of such a line, or any portion thereof, has been retired in the books of account, or what disposition of the line and its book costs are contemplated.
 Report the number of miles of pipe to one decimal point.

Line	Designation (Identification) of Line or Group of Lines	*	Total Miles of Pipe
No.	(a)	(b)	(c)
1	State of Oregon		655.3
2	State of Washington		3.5
3	State of Oregon - Kelso - Beaver	*	1.0
4	State of Washington - Kelso - Beaver	*	17.0
5	State of Oregon - Coos County Pipeline	**	76.9
6			
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* Kelso-Beaver is owned 10% by NW Natural dba KB Pipeline Company, 11% by US Gypsum Corp., and 79% by Portland General Electric (PGE); PGE is the operator. (1 mile of Kelso-Beaver Pipeline is located in the State of Oregon and 17 miles are located in the state of Washington).

** Coos County Pipeline is operated by NW Natural on behalf of Coos County.

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
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AUXILIARY PEAKING FACILITIES

1. Report below auxiliary facilities of the respondent for meeting seasonal peak demands on the respondent's system, such as underground storage projects, liquefied petroleum gas installations, gas liquefaction plants, oil gas sets, etc.

2. For column (c), for underground storage projects, report the delivery capacity on February 1 of the heating season overlapping the year-end for which this report is submitted. For other facilities, report the rated maximum daily delivery capacities.

3. For column (d), include or exclude (as appropriate) the cost of any plant used jointly with another facility on the basis of predominant use, unless the auxiliary peaking facility is a separate plant as contemplated by general instruction 12 of the Uniform System of Accounts.

Line	Location of Facility	Type of Facility	Maximum Daily Delivery Capacity of Facility (Dth)	Cost of Facility (in dollars)	Was Facility Operated on Day of Highest Transmission Peak Delivery
No.	(a)	(b)	(c)	(d)	
1	Portland, OR	LNG	120,000	31,171,945	Yes
2	Newport, OR	LNG	100,000	67,676,450	Yes
3	Mist, OR	Underground	520,000	215,461,134	Yes
4	North Mist, Mist, OR	Underground	120,000	81,829,459	Yes
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Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🛛 A Resubmission		December 31, 2022

GAS ACCOUNT - NATURAL GAS

1. The purpose of this schedule is to account for the quantity of natural gas received and delivered by the respondent.

2. Natural gas means either natural gas unmixed or any mixture of natural and manufactured gas.

3. Enter in column (c) the Dth as reported in the schedules indicated for the items of receipts and deliveries.

4. Indicate in a footnote the quantities of bundled sales and transportation gas and specify the line on which such quantities are listed.

5. If the respondent operates two or more systems which are not interconnected, submit separate pages for this purpose. Use copies of pages 520.

6. Indicate by footnote the quantities of gas not subject to Commission regulation which did not incur FERC regulatory costs by showing (1) the local distribution volumes another jurisdictional pipeline delivered to the local distribution company portion of the reporting pipeline (2) the quantities that the reporting pipeline transported or sold through its local distribution facilities or intrastate facilities and which the reporting pipeline, and (3) the gathering line quantities that were not destined for interstate market of that were not transported through any interstate portion of the reporting pipeline, and (3) the gathering line quantities that were not destined for interstate market of that were not transported through any interstate portion of the reporting pipeline.

7. Indicate in a footnote the specific gas purchase expense account(s) and related to which the aggregate volumes reported on Line 3 relate.

8. Indicate in a footnote (1) the system supply quantities of gas that are stored by the reporting pipeline, during the reporting year and also reported as sales, transportation and compression volumes by the reporting pipeline during the same reporting year, (2) the system supply quantities of gas that are stored by the reporting pipeline during the reporting year which the reporting pipeline intends to sell or transport in a future reporting year, and (3) contract storage quantities.

9. Indicate the volumes of pipeline production field sales that are included in both the company's total sales figure and the company's total transportation figure. Add additional information as necessary to the footnotes.

Line No.	Item (a)	Ref. Page No. (b)	Total Amount of Dth (c)
1	NAME OF SYSTEM:		(0)
2	GAS RECEIVED		
3	Gas Purchases (Accounts 800-805) (See Note 1)		88,719,833
4	Gas of Others Received for Gathering (Account 489.1)	303	N/
5	Gas of Others Received for Transmission (Account 489.2)	305	N//
6	Gas of Others Received for Distribution (Account 489.3) Transportation	301	38,130,074
7	Gas of Others Received for Contract Storage (Account 489.4)	306	6,862,983
8	Gas of Other Received for Production/Extraction/Processing (Account 490 and 491)		N//
9	Exchanged Gas Received from Others (Account 806)	328	N//
10	Gas Received as Imbalances (Account 806)	328	N//
11	Receipts of Respondent's Gas Transported by Others (Account 858)	332	N/#
12	Other Gas Withdrawn from Storage (Explain) Underground and LNG Storage	512	10,950,350
13	Gas Received from Shippers as Compressor Station Fuel		_
14	Gas Received from Shippers as Lost and Unaccounted for		_
15	Other Receipts (Specify) LPG		_
16	Total Receipts (Total of lines 3 thru 14)		144,663,24
17	GAS DELIVERED		
18	Gas Sales (Accounts 480-495)		87,103,58
19	Deliveries of Gas Gathered for Others (Account 489.1)	303	_
20	Deliveries of Gas Transported for Others (Account 489.2)	305	_
21	Deliveries of Gas Distributed for Others (Account 489.3) Transportation	301	38,130,074
22	Deliveries of Contract Storage Gas (Account 489.4)	306	6,862,98
23	Gas of Other Delivered for Production/Extraction/Processing (Account 490 and 491)		N/
24	Exchange Gas Delivered to Others (Account 806)	328	N/
25	Gas Delivered as Imbalances (Account 806)	328	_
26	Deliveries of Gas to Others for Transportation (Account 858)	332	-
27	Other Gas Delivered to Storage (Explain) Underground and LNG Storage	512	11,365,30
28	Gas Used for Compressor Station Fuel	331	278,51
29	Other Deliveries (Specify): Company Use	331	443,86
30	Total Deliveries (Total of lines 17 thru 27)		144,184,32
0.4	GAS LOSSES AND GAS UNACCOUNTED FOR		
31			
31 32	Gas Losses and Gas Unaccounted For		478,92
-	Gas Losses and Gas Unaccounted For TOTALS		478,920

NORTHWEST NATURAL GAS COMPANY

Oregon Supplement to FERC Form 2

December 31, 2022

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ANNUAL REPORT OREGON SUPPLEMENT TO FERC FORM 2

for

MULTI-STATE GAS COMPANIES

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PUC FORM 695 (04/07)

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF OREGON - STATEMENT OF INCOME FOR THE YEAR				
		(REF.)	GAS L	JTILITY
Line	Account	PAGE NO.	Current Year	Previous Year
No.	(a)	(b)	(c)	(d)
1	UTILITY OPERATING INCOME			
2	Operating Revenues (400)	2		
3	Operating Expenses			
4	Operation Expenses (401)	4-9		
5	Maintenance Expenses (402)	4-9		
6	Depreciation Expense (403)	10		
7	Amort. & Depl. of Utility Plant (404-405)	10		
8	Amort. of Utility Plant Acq. Adj. (406)	10		
9	Amort of Property Losses, Unrecovered Plant and Regulatory Study Costs (407)			
10	Amort. of Conversion Expenses (407)			
11	Taxes Other Than Income Taxes (408.1)	11		
12	Income Taxes - Federal (409.1)	12		
13	Income Taxes - Other (409.1)	13		
14	Provision for Deferred Income Taxes (410.1)	14-21		
15	(Less) Provision for Deferred Income Taxes-Cr. (411.1)	14-21		
16	Investment Tax Credit Adj Net (411.4)	22		
17	(Less) Gains from Disp. of Utility Plant (411.6)			
18	Losses from Disp. of Utility Plant (411.7)			
19	TOTAL Utility Operating Expenses (Total of lines 4 thru 18)			
20	Net Utility Operating income (Enter Total of line 2 less 19)			

SEE FERC ANNUAL REPORT PAGES 114-116

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

	STATE OF OREGON - GAS OPERATING REVENUES (Account 400)						
		OPERATING	REVENUES	Dth of NATUR	AL GAS SOLD	AVG. NO. OF NAT. GAS (USTOMERS PER MO.
Line	Account	Current Year	Previous Year	Current Year	Previous Year	Current Year	Previous Year
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	GAS SERVICE REVENUES						
2	480 Residential Sales	492,513,762	418,945,274	41,923,972	39,101,017	632,471	625,778
3	481 Commercial and Industrial Sales						
4	Small or Commercial	244,610,588	188,675,028	26,172,473	23,324,791	61,650	61,301
5	Large or Industrial	58,258,136	41,948,925	9,978,551	8,639,424	709	711
6	482 Other Sales to Public Authorities	_	_	—	_	_	
7	484 Interdepartmental Sales	_	_	_	_	_	
8	TOTAL Sales to Ultimate Consumers	795,382,486	649,569,227	78,074,996	71,065,232	694,830	687,790
9	483 Sales for Resale	_	_	—	_	_	
10	TOTAL Nat. Gas Service Revenues	795,382,486	649,569,227	78,074,996	71,065,232	694,830	687,790
11	Revenues from Manufactured Gas	_	_				
12	TOTAL Gas Service Revenues	795,382,486	649,569,227				
13	OTHER OPERATING REVENUES						
14	485 Intercompany Transfers	_					
15	487 Late Payment Charge	1,646,914	2,050,360				
16	488 Misc. Service Revenues	589,752	537,647				
17	489 Rev. From Trans. of Gas of Others (See Note 1)	37,564,202	36,634,011				
18	490 Sales of Prod. Ext. from Natural Gas						
19	491 Rev. from Nat. Gas Proc. by Others						
20	492 Incidental Gasoline and Oil Sales						
21	493 Rent from Gas Property	74,321	79,687				
22	494 Interdepartmental Rents						
23	495 Other Gas Revenues	31,854,080	32,351,436				
24	TOTAL Other Operating Revenues	71,729,269	71,653,141				
25	TOTAL Gas Operating Revenues	867,111,755	721,222,368				
26	(Less) 496 Provision for Rate Refunds	_					
27	TOTAL Gas Operating Revenues Net of Provision for refund	867,111,755	721,222,368				
28	Dist. Type Sales by State (Incl. Main Line Sales to Resid. and Comm. Custrs.)	737,124,350	607,620,302	68,096,445			
29	Main Line Industrial Sales (Incl. Main Line Sales to Pub. Authorities)	58,258,136	41,948,925	9,978,551			
30	Sales for Resale	_		—			
31	Other Sales to Pub. Auth. (Local Dist. Only)		_				
32	Interdepartmental Sales			_			
33	TOTAL (Same as Line 10, Columns (b) and (d))	795,382,486	649,569,227	78.074.996			

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

	STATE OF OREGON - INTERDEPARTMENTAL SALES - NATURAL GAS (Account 484)							
	Report particulars concerning sales of natural gas included in Account 484							
LINE	DEPARTMENT AND BASIS OF CHARGES	POINT OF DELIVERY	MCF (14.73 psia at 60° F)	REVENUE				
NO.	(a)	(b)	(c)	(d)				
	NOT APPLICABLE							
				(00 (0))				
	RENT FROM GAS PROPERTY AND		RENTS (Accounts	493, 494)				
I .	port particulars concerning rents received, included in							
1	or rents may be entered at the total amount for each							
3. If re	ents are included which were arrived at under an arran account represents profit or return on property, deprecia	ngement for apportioning expense ation, and taxes, give particulars a	es of a joint facility, whereb and the basis of apportionr	by the amount included in ment of such charges to				
Accou	int 493 or 494.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		j.				
4. Pro	vide a subheading and total for each account.	1	1					
				ENUE FOR YEAR				
LINE	NAME OF LESSEE OR DEPARTMENT (Designate associated companies)	DESCRIPTION OF PROPERTY	NATURAL GAS PROPERTY	MANUFACTURED GAS PROPERTY				
NO.	(a)	(b)	(c)	(d)				
	ACCOUNT 493 - RENT FROM GAS PROPERTY	(~)	(3)	(3)				
1	City of Portland	CNG Meter Rental	182,303					
2	Other	Communication and other	74,321					
			256,624					

Name of Respondent	This Report is:	Date of Report	Year of Report
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Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF OREGON ALLOCATED - GAS OPERATION AND MAINTENANCE EXPENSES If the amount for previous year is not derived from previously reported figures, explain in footnotes. Amount for Current Year Amount for Previous Year Line Account No. (a) (b) (c) 1. PRODUCTION EXPENSES 1 2 A. Manufactured Gas Production Manufactured Gas Production (Detail Page 4A) 3 4 B. Natural Gas Production 5 B1. Natural Gas Production and Gathering 6 Operation 750 Operation Supervision and Engineering 7 8 751 Production Maps and Records 9 752 Gas Wells Expenses 10 753 Field Lines Expenses 11 754 Field Compressor Station Expenses 12 755 Field Compressor Station Fuel and Power 13 756 Field Measuring and Regulating Station Expenses 14 757 Purification Expenses **SEE FERC ANNUAL REPORT PAGES 317-325** 15 758 Gas Well Royalties 16 759 Other Expenses 17 760 Rents TOTAL Operation (Total of lines 7 thru 17) 18 19 Maintenance 20 761 Maintenance Supervision and Engineering 21 762 Maintenance of Structures and Improvements ____ _ 763 Maintenance of Producing Gas Wells 22 23 764 Maintenance of Field Lines 24 765 Maintenance of Field Compressor Station Equipment 25 766 Maintenance of Field Meas. and Regulating Station Equipment 26 767 Maintenance of Purification Equipment 27 768 Maintenance of Drilling and Cleaning Equipment 769 Maintenance of Other Equipment 28 29 TOTAL Maintenance (Total of lines 20 thru 28) 30 TOTAL Natural Gas Production and Gathering (Total of lines 18 and 29) **B2.** Products Extraction 31 32 Operation 33 770 Operation Supervision and Engineering 34 771 Operation Labor 35 772 Gas Shrinkage 36 773 Fuel 37 774 Power 38 775 Materials 39 776 Operation Supplies and expenses 777 Gas Processed by Others 40 41 778 Royalties on Products Extracted 42 779 Marketing expenses 43 780 Products Purchased for Resale 44 781 Variation in Products Inventory 45 (Less) 782 Extracted Products Used by the Utility-Credit 46 783 Rents Total Operation (Total of Lines 33 thru 46) 47

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	STATE OF OREGON ALLOCATED - GAS OPERATIO	N AND MAINTENANCE I	EXPENSES
Line	Account	Amount for Current Year	Amount for Previous Year
No.	(a)	(b)	(c)
1	A. Manufactured Gas Production Detail		
	SEE FERC ANNUAL REPORT PAGES 317-325		

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2)		December 31, 2022

S	TATE OF OREGON ALLOCATED - GAS OPERATION AN	ND MAINTENANCE E	EXPENSES (Con't)
Line	Account	Amount for Current Year	Amount for Previous Year
No.	(a)	(b)	(c)
48	Maintenance		
49	784 Maintenance Supervision and Engineering	_	_
50	785 Maintenance of Structures and Improvements	_	_
51	786 Maintenance of Extraction and Refining Equipment	_	_
52	787 Maintenance of Pipe Lines	_	_
53	788 Maintenance of Extracted Products Storage Equipment	_	_
54	789 Maintenance of Compressor Equipment	SEE FERC ANNUAL R	EPORT PAGES 317-325
55	790 Maintenance of Gas Measuring and Regulating Equipment	_	_
56	791 Maintenance of Other Equipment	_	_
57	TOTAL Maintenance (Total of lines 49 thru 56)	_	_
58	TOTAL Products Extraction (Total of lines 47 and 57)	_	_
59	C. Exploration and Development		
60	Operation		
61	795 Delay Rentals	_	_
62	796 Nonproductive Well Drilling	_	
63	797 Abandoned Leases		
64	798 Other Exploration		
-			
65	TOTAL Exploration and Development (Total of lines 61 thru 64)	_	
66	D. Other Gas Supply Expenses	-	
67	Operation		
68	800 Natural Gas Well Head Purchases		—
69	800.1 Natural Gas Well Head Purchases, Intracompany Transfers	-	—
70	801 Natural Gas Field Line Purchases		
71	802 Natural Gas Gasoline Plant Outlet Purchases		
72	803 Natural Gas Transmission Line Purchases		
73	804 Natural Gas City Gate Purchases		
74	804.1 Liquefied Natural Gas Purchases		
75	805 Other Gas Purchases		
76	(Less) 805.1 Purchases Gas Cost Adjustments		
77	TOTAL Purchased Gas (Total of Lines 68 thru 76)		
78	806 Exchange Gas		
79	Purchased Gas Expense		
80	807.1 Well Expense-Purchased Gas		
81	807.2 Operation of Purchased Gas Measuring Stations	_	_
82	807.3 Maintenance of Purchased Gas Measuring Stations	_	_
83	807.4 Purchased Gas Calculations Expense	_	_
84	807.5 Other Purchased Gas Expenses		_
85	TOTAL Purchased Gas Expense (Total of lines 80 thru 84)	_	_
86	808.1 Gas Withdrawn from Storage-Debit	_	
87	(Less) 808.2 Gas Delivered to Storage-Credit	_	_
88	809.1 Withdrawals of Liquefied Natural Gas for Processing-Debit		_
89	(Less) 809.2 Deliveries of Natural Gas for Processing-Credit		_
90	Gas used in Utility Operation-Credit		
91	810 Gas Used for Compressor Station Fuel-Credit	_	_
92	811 Gas Used for Products Extraction-Credit	_	_
92	812 Gas Used for Other Utility Operations-Credit		
94	TOTAL Gas Used in Utility Operations-Credit (lines 91 thru 93)	_	
95	813 Other Gas Supply Expenses		
96	TOTAL Other Gas Supply Exp. (Total of lines 77, 78, 85, 86-89, 94, 95)	_	_
97	TOTAL Production Expenses (Total of lines 3, 30, 58, 65, 96)		_

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

	STATE OF OREGON ALLOCATED - GAS OPERATION AND I	MAINTENANCE EXPI	ENSES (Con't)
Line	Account	Amount for Current Year	Amount for Previous Year
No.	(a)	(b)	(c)
98	2. NATURAL GAS STORAGE, TERMINALING AND PROCESSING EXPENSES	_	
99	A. Underground Storage Expenses	_	
100	Operation		
101	814 Operation Supervision and Engineering		
102	815 Maps and Records		
103	816 Well Expenses		
104	817 Lines Expenses		
105	818 Compressor Station Fuel and Power	SEE FERC ANNUAL F	REPORT PAGES 317-325
106	819 Compressor Station Fuel and Power		
107	820 Measuring and Regulating Station Expenses		
108	821 Purification Expenses		_
109	822 Exploration and Development		_
110	823 Gas Losses		
111	824 Other Expenses		
112	825 Storage Well Royalties		
113	826 Rents		
114	TOTAL Operation (Total of lines of 101 thru 113)		—
115	Maintenance		
116	830 Maintenance Supervision and Engineering	_	_
117	831 Maintenance of Structures and Improvements		_
118	832 Maintenance of Reservoirs and Wells	_	_
119	833 Maintenance of Lines		_
120	834 Maintenance of Compressor Station Equipment		_
121	835 Maintenance of Measuring and Regulating Station Equip.	_	_
122	836 Maintenance of Purification Equipment		_
123	837 Maintenance of Other Equipment	_	_
124	TOTAL Maintenance (Total of lines 116 thru 123)	_	_
125	TOTAL Underground Storage Expenses (lines 114 and 124)	_	_
126	B. Other Storage Expenses		
127	Operation		
128	840 Operation supervision and Engineering	_	_
129	841 Operation Labor and Expenses	_	_
130	842 Rents	_	_
131	842.1 Fuel		_
132	842.2 Power		_
133	842.3 Gas Losses		_
134	TOTAL Operation (Total of lines 128 thru 133)	_	_
135	Maintenance		
136	843.1 Maintenance Supervision and Engineering	_	_
137	843.2 Maintenance of Structures and Improvements		
138	843.3 Maintenance of Gas Holders		
139	843.4 Maintenance of Purification Equipment	_	
140	843.5 Maintenance of Liquefaction Equipment		
141	843.6 Maintenance of Vaporizing Equipment		
142	843.7 Maintenance of Compressor Equipment	_	_
143	843.8 Maintenance of Measuring and Regulating Equipment	_	_
144	843.9 Maintenance of Other Equipment	_	_
145	TOTAL Maintenance (Total of lines 136 thru 144)	_	_
146	TOTAL Other Storage Expenses (Total of lines 134 and 145)	_	_

Name of Respondent	This Report is:	Date of Report	Year of Report	
	(1) 🗵 An Original	(Mo, Da, Yr)		
Northwest Natural Gas Company	(2)		December 31, 2022	

	STATE OF OREGON ALLOCATED - GAS OPERATION AND		<u>, ,</u>
Line	Account	Amount for Current Year	Amount for Previous Year
No.	(a)	(b)	(c)
147	C. Liquefied Natural Gas Terminaling and Processing Expenses		
148	Operation		
149	844.1 Operation Supervision and Engineering		
150	844.2 LNG Processing Terminal Labor and Expenses		
151	844.3 Liquefaction Processing Labor and Expenses	_	
152	844.4 Liquefaction Transportation Labor and Expenses	_	
153	844.5 Measuring and Regulating Labor and Expenses	SEE FERC ANNUAL F	REPORT PAGES 317-325
154	844.6 Compressor Station Labor and Expenses	_	_
155	844.7 Communication system Expenses	_	_
156	844.8 System Control and Load Dispatching	_	_
157	845.1 Fuel	_	_
158	845.2 Power	_	
159	845.3 Rents	_	_
160	845.4 Demurrage Charges		_
161	(Less) 845.5 Wharfage Receipts-Credit		_
162	845.6 Processing Liquefied of Vaporized Gas by Others	_	_
163	846.1 Gas Losses	_	_
164	846.2 Other Expenses	_	_
165	TOTAL Operation (Total of lines 149 thru 164)	_	
166	Maintenance		
167	847.1 Maintenance Supervision and Engineering	_	_
168	847.2 Maintenance of Structures and Improvements		_
169	847.3 Maintenance of LNG Processing Terminal Equipment	_	
170	847.4 Maintenance of LNG Transportation Equipment	_	
171	847.5 Maintenance of Measuring and Regulating Equipment	_	
172	847.6 Maintenance of Compressor Station Equipment		
173	847.7 Maintenance of Communication Equipment		
174	847.8 Maintenance of Other Equipment		
175	TOTAL Maintenance (Total of lines 167 thru 174)		
	TOTAL Liquefied Nat Gas Terminaling and Proc Exp (Total of lines 165 & 175)		
177	TOTAL Natural Gas Storage (Total of lines 125, 146, and 176)		
	3. TRANSMISSION EXPENSES		
179	Operation	-	
180	850 Operation Supervision and Engineering		[
181			
	851 System Control and Load Dispatching		
182	852 Communication system Expenses		
183	853 Compressor Station Labor and Expenses		
184	854 Gas for Compressor Station Fuel		
185	855 Other Fuel and Power for Compressor Stations		—
186	856 Mains Expenses		—
187	857 Measuring and Regulating Station Expenses		—
188	858 Transmission and Compression of Gas by Others		—
189	859 Other Expenses		—
190	860 Rents		—
191	TOTAL Operations (Total of lines 180 thru 190)		

Name of Respondent	This Report is:	Date of Report	Year of Report	
	(1) 🗵 An Original	(Mo, Da, Yr)		
Northwest Natural Gas Company	(2) 🛛 A Resubmission		December 31, 2022	

	STATE OF OREGON ALLOCATED - GAS OPERATION AND	MAINTENANCE EXP	ENSES (Con't)
Line	Account	Amount for Current Year	Amount for Previous Year
No.	(a)	(b)	(c)
192	Maintenance		
193	861 Maintenance Supervision and Engineering	_	
194	862 Maintenance of Structures and Improvements	_	_
195	863 Maintenance of Mains	_	_
196	864 Maintenance of Compressor Station Equipment	_	_
197	865 Maintenance of Measuring and Regulating Station Equipment	_	_
198	866 Maintenance of Communication Equipment		_
199	867 Maintenance of Other Equipment	SEE FERC ANNUAL F	REPORT PAGES 317-325
200	TOTAL Maintenance (Total of lines 193 thru 199)		
201	TOTAL Transmission Expenses (Total of lines 191 and 200)		_
202	4. DISTRIBUTION EXPENSES		
202	Operation	-	
203	870 Operation Supervision and Engineering		_
204	871 Distribution Load Dispatching		
	872 Compressor Station Labor and Expenses		
206			
207	873 Compressor Station Fuel and Power		
208	874 Mains and Services Expenses		
209	875 Measuring and Regulating Station Expenses-General		
210	876 Measuring and Regulating Station Expenses-Industrial		_
211	877 Measuring and Regulating Station Expenses-City Gas		_
212	878 Meter and House Regulator Expenses		
213	879 Customer Installations Expenses		_
214	880 Other Expenses		_
215	881 Rents		_
216	TOTAL Operations (Total of lines 204 thru 215)		_
217	Maintenance		
218	885 Maintenance Supervision and Engineering		_
219	886 Maintenance of Structures and Improvements		_
220	887 Maintenance of Mains	_	_
221	888 Maintenance of Compressor Station Equipment	_	_
222	889 Maintenance of Measuring & Regulating Station Equipment-General		_
223	890 Maintenance of Meas. and Reg. Station Equipment-Industrial	_	_
224	891 Maintenance of Meas & Reg Station Equip-City Gate	_	
225	892 Maintenance of Services	_	_
226	893 Maintenance of Meters and House Regulators	_	_
227	894 Maintenance of Other Equipment		_
228	TOTAL Maintenance (Total of lines 218 thru 227)		_
229	TOTAL Distribution Expenses (Total of lines 216 and 228)		
230	5. CUSTOMER ACCOUNTS EXPENSES		
230	Operation		
	· ·		
232	901 Supervision		
233	902 Meter Reading Expenses		
234	903 Customer Records and Collection Expenses		
235	904 Uncollectible Accounts	—	
236	905 Miscellaneous Customer Accounts Expenses	—	
237	TOTAL Customer Accounts Expenses (Total of lines 232-236)		
	6. CUSTOMER SERVICE AND INFORMATIONAL EXPENSE		
239	Operation		
240	907 Supervision		
241	908 Customer Assistance Expense		
242	909 Informational and Instructional Expenses		
243	910 Miscellaneous Customer Service and Informational Expenses	—	—
244	TOTAL Customer Service & Information Expenses (Total of lines 240 thru 243)		

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

	STATE OF OREGON ALLOCATED - GAS OPERATION AND N	AINTENANCE EXPI	ENSES (Con't)
Line	Account	Amount for Current Year	Amount for Previous Year
No.	(a)	(b)	(c)
245	7. SALES EXPENSES		
246	Operation		
247	911 Supervision	—	—
248	912 Demonstration and Selling Expenses	—	—
249	913 Advertising Expenses	—	—
250	916 Miscellaneous Sales Expenses	SEE FERC ANNUAL F	REPORT PAGES 317-325
251	TOTAL Sales Expenses (Total of lines 247 thru 250)	-	—
252	8. ADMINISTRATIVE AND GENERAL EXPENSES		
253	Operation		
254	920 Administrative and General Salaries	—	—
255	921 Office Supplies and Expenses	-	—
256	(Less) 922 Administrative Expenses Transferred - Credit	—	—
257	923 Outside Services Employed	-	—
258	924 Property Insurance	_	—
259	925 Injuries and Damages (See Note 1 Below)	—	—
260	926 Employee Pensions and Benefits	—	—
261	927 Franchise Requirements	—	—
262	928 Regulatory Commission Expenses	-	—
263	(Less) 929 Duplicate Charges - Credit	_	—
264	930.1 General Advertising Expenses	_	—
265	930.2 Miscellaneous General Expenses	_	—
266	931 Rents	_	—
267	TOTAL Operation (Total of lines 254 thru 266)	-	—
268	Maintenance		
269	935 Maintenance of General Plant	—	—
270	TOTAL Administrative and General Expenses (Total of lines 267 and 269)	—	—
271	TOTAL Gas O & M Expenses (Total of lines 97,177, 201, 229, 237, 244, 251, and 270)	_	

	STATE OF OREGON ALLOCATED	- GAS OPERATION A	ND MAINTENANCE I	EXPENSES
Line	FUNCTIONAL CLASSIFICATIONS	OPERATION	MAINTENANCE	TOTAL
No.	(a)	(b)	(c)	(d)
272	Production			
273	Manufactured Gas			
274	Natural gas:			
275	Production and Gathering			
276	Products Extraction			
277	Exploration and Dev.			
278	TOTAL Natural Gas	INFORMATION	NOT AVAILABLE	
279	Other Gas Supply Expenses	SEE FERC ANNUAL R	EPORT PAGES 317-325	
280	TOTAL Production			
281	Underground Storage			
282	Other Storage			
283	LNG Terminaling and Processing			
284	Transmission Expenses			
285	Distribution Expenses			
286	Customer Accounts Expenses			
287	Customer Service and Informational Expenses			
288	Sales Expenses			
289	Adm. and General Expenses			
290	TOTAL Gas O. & M. Expenses			

Name of Respondent	This Report is:	Date of Report	Year of Report	
	(1) 🗵 An Original	(Mo, Da, Yr)		
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022	

ST	ATE OF OREGO	N - ALLOCATE	D DEPRECIATIO	N, DEPLETION, A 4.1, 404.2, 404.3, 4	AND AMORTIZA [*] 405)	TION OF GAS P	LANT
			(Except Amortization of	of Acquisitions Adjustme	ents)		
F	Report the amounts o	f depreciation expen		rtization for the accoun groups shown.	ts indicated and class	sify according to the	plant
Line	FUNCTIONAL CLASSIFICATION	DEPRECIATION EXPENSE (ACCOUNT 403)	AMORTIZATION & DEPLETION OF PRODUCING NATURAL GAS LAND & LAND RIGHTS (ACCOUNT 404.1)	AMORTIZATION OF UNDERGROUND STORAGE LAND & LAND RIGHTS (ACCOUNT 404.2)	AMORTIZATION OF OTHER LIMITED-TERM GAS PLANT (ACCOUNT 404.3)	AMORTIZATION OF OTHER GAS PLANT (ACCOUNT 405)	TOTAL
No.	(a)	(b)	(C)	(d)	(e)	(f)	(g)
1	Intangible Plant						
2	Production Plant, Manufactured Gas						
3	Production and Gathering Plant, Natural Gas		N/A - See SITUS sch	nedule at OR 30			
4	Products Extraction Plant						
5	Underground Gas Storage Plant						
6	Other Storage Plant						
7	Base Load LNG Terminaling and Processing Plant						
8	Transmission Plant						
9	Distribution Plant						
10	General Plant						
11	Common Plant - Gas						
12							
13							
14							
15							
16							
17							
18							
19	TOTAL						

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF	OREGON - ALLOCATED TAXES, OTHER THAN INCOME	
Line	KIND OF TAX	AMOUNT
No.	(a)	(b)
	<section-header></section-header>	
IOTAL (Must a	gree with page 1, line 11)	

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF OREGON - ALLOCATED CALCULATION OF CURRENT FEDERAL INCOME TAX EXPENSE (Account 409.1)

1. Report amounts used to derive current Federal income tax expense, Account 409.1, for the reporting period. If amounts are shown in thousands, show (000) in the heading for column (b).

2. Show amounts increasing taxable income as positive values and amounts decreasing taxable income as negative.

3. Current tax expense on this schedule must match the amount reported on page 1, line 12 of this report. Separately identify adjustments arising from revisions of prior year accruals.

4. Minor amounts of other additions (subtractions) may be grouped.

Line	PARTICULARS (Details)	AMOUNT
No.	(a)	(b)
1	Gas Operating Revenues	
2	Operations and Maintenance Expenses	
3	Taxes, Other than Income	
4	State Income (Excise) Tax	
5	Interest	
6	Federal Income Tax Depreciation	
7	Other Additions (Subtractions) to Derive Taxable Income	
8		
9		
10		
11		
12		
13		
14	SEE FERC ANNUAL REPORT	
15	PAGE 261	
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27	Federal Tax Net Income	
28	Show Computation of Tax:	
		•

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2)		December 31, 2022

STATE OF OREGON - ALLOCATED CALCULATION OF CURRENT FEDERAL INCOME TAX EXPENSE (Account 409.1)

1. Report amounts used to derive current Federal income tax expense, Account 409.1, for the reporting period. If amounts are shown in thousands, show (000) in the heading for column (b).

2. Show amounts increasing taxable income as positive values and amounts decreasing taxable income as negative.

3. Current tax expense on this schedule must match the amount reported on page 1, line 13 of this report. Separately identify adjustments arising from revisions of prior year accruals.

4. Minor amounts of other additions (subtractions) may be grouped.

Line	PARTICULARS (Details)	AMOUNT
No.	(a)	(b)
1	Gas Operating Revenues	
2	Operations and Maintenance Expenses	
3	Taxes, Other than Income	
4	Interest	
5	State Income (Excise) Tax Depreciation	
6	Other Additions (Subtractions) to Derive Taxable Income	
7		
8		
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10		
11		
12		
13		
14	SEE FERC ANNUAL REPORT	
15	PAGE 261	
16		
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18		
19		
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21		
22		
23		
24		
25		
26		
27	Federal Tax Net Income	
28	Show Computation of Tax:	
		•

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF OREGON - ALLOCATED ACCUMULATED DEFERRED INCOME TAXES (Account 190)

1. Report the information called for below concerning the respondent's accounting for deferred income taxes.

2. In the space provided:

(a) identify, by amount and classification, significant items for which deferred taxes are being provided.

(b) indicate insignificant amounts under Other.

<u> </u>	-			
			CHANGES DUF	RING THE YEAR
Line	ACCOUNT SUBDIVISIONS	BALANCE BEGINNING OF YEAR	AMOUNTS DEBITED ACCOUNT 410.1	AMOUNTS CREDITED ACCOUNT 410.1
No.	(a)	(b)	(c)	(d)
1	Electric			
2				
3				
4				
5				
6				
7	Other			
8	TOTAL ELECTRIC			
9				
10				
11				
12				
13				
14				
15	Other			
16	TOTAL GAS			
17	Other (Specify)			
18	TOTAL (ACCOUNT 190)			
19	Classification of Totals			
20	Federal Income Tax			
21	State Income Tax			
22	Local Income Tax			

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF OREGON - ALLOCATED ACCUMULATED DEFERRED INCOME TAXES (Account 190) (Con't)

3. Beginning balance may be omitted if not readily available. Report gas utility deferred taxes only.

4. Use separate pages as required.

Use separate pages as rec	quired.						
CHANGES DU	RING THE YEAR		ADJUS ⁻	TMENTS			
AMOUNTS DEBITED	AMOUNTS CREDITED	DEBITS		CREDITS		BALANCE END	
ACCOUNT 410.2	ACCOUNT 410.2	ACCT. NO.	AMOUNT	ACCT. NO.	AMOUNT	OF YEAR	Line
(e)	(f)	(g)	(h)	(i)	(j)	(k)	No.
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							21
	1						22

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2)		December 31, 2022

STATE OF OREGON - ALLOCATED ACCUMULATED DEFERRED INCOME TAXES (Account 281)

1. Report the information called for below concerning the respondent's accounting for deferred income taxes relating to amortizable property.

2. In the space provided:

(a) identify, by amount and classification, significant items for which deferred taxes are being provided.

(b) indicate insignificant amounts under Other.

(c) Date amortization for tax purposes commenced.

(d) "Normal" depreciation rate used in computing the deferred tax.

(٩)	Normal depreciation rate used in computing the			
		BALANCE	CHANGES DUF	RING THE YEAR
Line	ACCOUNT	BEGINNING OF YEAR	AMOUNTS DEBITED ACCOUNT 410.1	AMOUNTS CREDITED ACCOUNT 410.1
No.	(a)	(b)	(c)	(d)
1	Accelerated Amortization (Account 281)			
2	Electric			
3	Defense Facilities			
4	Pollution Control Facilities			
5	Other			
6				
7				
8	TOTAL Electric (Total of lines 3 thru 7)			
9	Gas		_	_
10	Defense Facilities			
11	Pollution Control Facilities			
12	Other			
13				
14				
15	TOTAL Gas (Total of lines 10 thru 14)			
16	Gas (Specify)			
17	TOTAL (Acct 281) Total of 8, 15 & 16)			
18	Classification of TOTAL			
19	Federal Income Tax			
20	State Income Tax			
21	Local Income Tax			

Name of Respondent	This Repor	t is:		Date	e of Report	Year of Report	:
	(1) 🗵 An 0	Driginal		(Mo	, Da, Yr)		
Northwest Natural Gas Comp	any (2) 🗆 A Re	esubmission				December 31,	2022
STATE OF OREGON					•	7 (1't)
(e) Tax rate used originally of					evious deferra	ls.	
3. Beginning balance may be o	•	able. Report gas u	tility deferred ta	axes only.			
 Use separate pages as requ 						1	
CHANGES DUR	RING THE YEAR		ADJUS	IMENTS			
		DE	BITS	CRE	DITS		
AMOUNTS DEBITED ACCOUNT 410.2	AMOUNTS CREDITEI ACCOUNT 410.2	ACCT. NO.	AMOUNT	ACCT. NO.	AMOUNT	BALANCE END OF YEAR	Line
(e)	(f)	(g)	(h)	(i)	(j)	(k)	No
(0)	(י)	(9)		<u> (')</u>	<u> </u>		1
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Name of Respondent	This Report is:	Date of Report	Year of Report	
	(1) 🗵 An Original	(Mo, Da, Yr)		
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022	

STATE OF OREGON - ALLOCATED ACCUMULATED DEFERRED INCOME TAXES (Account 282)

1. Report the information called for below concerning the respondent's accounting for deferred income taxes relating to property not subject to accelerated amortization.

2. In the space provided:

(a) State the general method or methods of liberalized depreciation being used (sum-of-year digits, declining balance, etc.)

(b) Estimated lives (i.e. useful life, guideline life, guideline class life, etc.)

(c) Classes of plant to which each method is being applied and date method was adopted.

			CHANGES DUF	RING THE YEAR
Line	ACCOUNT SUBDIVISIONS	BALANCE BEGINNING OF YEAR	AMOUNTS DEBITED ACCOUNT 410.1	AMOUNTS CREDITED ACCOUNT 410.1
No.	(a)	(b)	(c)	(d)
1	Account 282			
2	Electric			
3	Gas			
4	Other			
5	TOTAL (Total of lines 2 thru 4)			
6	Other (Specify)			
7				
8				
9	TOTAL (Acct 282) (Total of 5 thru 8)			
10	Classification of TOTAL			
11	Federal Income Tax			
12	State Income Tax			
13	Local Income Tax			

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF OREGON - ALLOCATED ACCUMULATED DEFERRED INCOME TAXES (Account 282) (Con't)

Beginning balance may be omitted if not readily available. Report gas utility deferred taxes only.
 Use separate pages as required

4. Use separate pages as requ	uired.								
CHANGES DUF	CHANGES DURING THE YEAR			CHANGES DURING THE YEAR ADJUSTMENTS					
AMOUNTS DEBITED	AMOUNTS CREDITED	DEE	DEBITS CREDITS		BALANCE END				
ACCOUNT 410.2	ACCOUNT 410.2	ACCT. NO.	AMOUNT	ACCT. NO.	AMOUNT	OF YEAR	Line		
(e)	(f)	(g)	(h)	(i)	(j)	(k)	No.		
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Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF OREGON - ALLOCATED ACCUMULATED DEFERRED INCOME TAXES (Account 283)

1. Report the information called for below concerning the respondent's accounting for deferred income taxes relating to amounts recorded in Account 283.

2. In the space provided below include amounts relating to insignificant items under Other.

		BALANCE	CHANGES DUF	RING THE YEAR
		BEGINNING OF	AMOUNTS DEBITED	AMOUNTS CREDITED
Line	ACCOUNT SUBDIVISIONS	YEAR	ACCOUNT 410.1	ACCOUNT 410.1
No.	(a)	(b)	(c)	(d)
1	Account 283			
2	Electric			
3				
4				
5				
6				
7				
8	Other			
9	TOTAL Electric (Total of 2 thru 8)			
10	Gas			
11				
12				
13				
14				
15				
16	Other			
17	TOTAL Gas (Total of lines 10 thru 16)			
18	Other (Specify)			
19	TOTAL (Acct 283) (Total of 9, 17, & 18)			
20	Classification of TOTAL			
21	Federal Income Tax			
22	State Income Tax			
23	Local Income Tax			

SEE ANNUAL REPORT PAGES 276 - 277

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF OREGON - ALLOCATED ACCUMULATED DEFERRED INCOME TAXES (Account 283) (Con't)

3. Beginning balance may be omitted if not readily available. Report gas utility deferred taxes only.

4. Use separate pages as required.

ADJUSTMENTS	
DEBITS CREDITS BALANCE EN) Lir
ı) (h) (i) (j) (k)	N
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	2

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(1) ⊠ An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company (2)		December 31, 2022

STA	TE OF OF	REGON - AL	LOCATED AG	CUMUL	ATED DEFERED IN	VESTMENT TAX C	REDITS (Acco	unt 255)
Repo colum	rt below infori in (I) the aver	mation applicat	ble to Account 255 r which the tax cre	. Explain by edits are am	y footnote any correction ortized.	to the account balance sl	nown in column (g)	. Include in
		BALANCE	DEFERRED FO	OR YEAR	ALLOCATION TO CURI	RENT YEAR'S INCOME		BALANCE END OF
Line	ACCOUNT	OF YEAR	ACCOUNT NO.	AMOUNT	ACCOUNT NO.	AMOUNT	ADJUSTMENTS	YEAR
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1								
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4								
5								
6								
7								
8								
9	NONE							
10								
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12					J			
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33								
NOTE	S	-						

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STA	STATE OF OREGON - ALLOCATED ACCUMULATED DEFERED INVESTMENT TAX CREDITS (Account 255)								
Repoi colum	t below information appl n (I) the average period	licable to Accou over which the	unt 255. Explain b tax credits are an	y footnote a nortized.	iny correction to th	ie account balai	nce shown in	column (g). Include in	
		BALANCE BEGINNING	DEFERRED F		ALLOCATION T YEAR'S II	O CURRENT	BALANCE END OF	AVERAGE PERIOD OF ALLOCATION TO	
Line	ACCOUNT	OF YEAR	ACCOUNT NO.	AMOUNT	ACCOUNT NO.	AMOUNT	YEAR	INCOME	
No.	(a)	(b)	(C)	(d)	(e)	(f)	(g)	(h)	
1	Gas Utility								
2	3%								
3	4%								
4	7%								
5	10%								
6	TOTAL								
7	Other (List separately and show 3%, 4%, 7% , 10% and TOTAL		_	_			_		
8									
9									
10									
11									
12									
13	NONE								
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

SUM	STATE OF O MARY OF UTILITY PLANT AND ACCU	OREGON - SI JMULATED P AND DEPL	ROVISION		RECIATION	N, AMORT	ZATION
Lina	ITEM	TOTAL	ELECTRIC	C46	OTHER	OTHER	COMMON
Line		-		GAS	(SPECIFY)	(SPECIFY)	
No. 1	(a) UTILITY PLANT	(b)	(C)	(d)	(e)	(f)	(g)
2	In Service						
3	Plant in Service (Classified)	2,678,885,208		2,678,885,208		1	
4	Property Under Capital Leases	88,409,922		88,409,922			
5	Plant Purchased or Sold			00,403,322			
6	Completed Construction not Classified	1,092,842,270		1,092,842,270			
7	Experimental Plant Unclassified	1,002,042,210		1,002,042,270			
8	TOTAL (Enter total of lines 3 thru 7)	3,860,137,400		3,860,137,400			
9	Leased to Others			0,000,101,100			
10	Held for Future Use	970,068		970,068			
11	Construction Work in Progress	78,422,662		78,422,662			
12	Acquisition Adjustments			,,			
13	TOTAL Utility Plant (Enter total of lines 8 thru 12)	3,939,530,130		3,939,530,130			
14	Accum. Prov. for Depr., Amort., & Depl.	1,476,273,877		1,476,273,877			
15	Net Utility Plant (Line 13 less 14)	2,463,256,253		2,463,256,253			
16	DETAIL OF ACCUMULATED PROVISIONS FOR DEPRECIATION, AMORTIZATION AND DEPLETION						
17	In Service:						
18	Depreciation	1,441,580,464		1,441,580,464			
19	Amort. and Depl. of Producing Natural Gas Land and Land Rights	_					
20	Amort. of Underground Storage Land and Land Rights	68,207		68,207			
21	Amort. of Other Utility Plant	94,799,996		94,799,996			
21.01	Salvage Work In Progress						
21.02	Less Removal Work in Progress	60,174,790		60,174,790			
22	TOTAL in Service (Lines 18 thru 21)	1,476,273,877		1,476,273,877			
23	Leased to Others		1			1	1
24	Depreciation						
25	Amortization and Depletion						
26	TOTAL Leased to Others (Lines 24 and 25)			—			
27	Held for Future Use						
28	Depreciation						
29	Amortization						
30	TOTAL Held for Future Use (Lines 28 and 29)						
31	Abandonment of Leases (Natural Gas)						
32	Amort. of Plant Acquisition Adjustment						
33	TOTAL Accumulated Provisions (Should agree with line 14 above) (Lines 22, 26, 30, 31, and 32)	1,476,273,877		1,476,273,877			

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🛛 A Resubmission		December 31, 2022

STATE OF OREGON - SITUS GAS PLANT IN SERVICE

1. Report below the original cost of gas plant in service according to the prescribed accounts.

2. In addition to Account 101, Gas Plant in Service (Classified), this page and the next include Account 102, Gas Plant Purchased or Sold; Account 103, Experimental Gas Plant Unclassified; and Account 106, Completed Construction Not Classified-Gas.

3. Include in column (c) or (d), as appropriate, corrections of additions and retirements for the current or preceding year.

4. Enclose in parentheses credit adjustments of plant accounts to indicate the negative effect of such accounts.

5. Classify Account 106 according to prescribed accounts, on an estimated basis if necessary, and include the entries in column (c). Also to be included in column (c) are entries for reversals of tentative distributions or prior year reported in column (b). Likewise, if the respondent has a significant amount of plant retirements which have not been classified to primary accounts at the end of the year, include in column (d) a tentative distribution of such retirements, on Estimated basis, with appropriate contra entry to the account for accumulated depreciation provision. Include also in column (d) reversals of tentative distributions of prior year unclassified retirements. Attach supplemental statement showing the account distributions of these tentative classifications in column (c) and (d), including the reversals of the prior years tentative account distributions of these amounts. Careful observance of the above instructions and the texts of Accounts 101 and 106 will avoid serious omissions of the reported amount of respondent's plant actually in service at the end of year.

6. Show in column (f) reclassifications or transfers within utility plant accounts. Include also in column (f) the additions or reductions of primary account classifications arising from distribution of amounts initially recorded in Account 102. In showing the clearance of Account 102, include in column (e) the amounts with respect to accumulated provision for depreciation, acquisition adjustments, etc., and show in column (f) only the offset to the debits or credits distributed in column (f) to primary account classifications.

7. For Account 399, state the nature and use of plant included in this account and if substantial in amount, submit a supplementary statement showing subaccount classification of such plant conforming to the requirements of these pages.

8. For each amount comprising the reported balance and changes in Account 102, state the property purchased or sold, name of vendor or purchaser, and date of transaction. If proposed journal entries have been filed with the Commission as required by the Uniform System of Accounts, give also date of such filing.

SEE FOLLOWING PAGES

NW Natural

			NW Natural				
						Period Beginning: Period Ending:	January 2022 December 2022
Functional	Class	Beginning				Fenou Enung.	Ending
	lant Account	Balance	Additions	Retirements	Transfers	Adjustments	Balance*
UTILITY						,	
Intangible	Plant						
301	ORGANIZATION	852	_	_	_	_	852
302	FRANCHISES & CONSENTS	83,496	_	_	_	_	83,496
303.1	COMPUTER SOFTWARE	129,179,492	15,030,652	(27,842,196)	_	_	116,367,948
303.11	COMPUTER SW HORIZON		47,100,838	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_	_	47,100,838
303.12	COMPUTER SW TSA SECURITY DIRECTIVE	_	6,653,764	_	_	_	6,653,764
303.2	CUSTOMER INFORMATION SYSTEM	30,488,305		_	_	_	30,488,305
303.3	INDUSTRIAL & COMMERCIAL BIL	4,146,951	_	_	_	_	4,146,951
303.4	CRMS		_	_	_	_	
303.5	POWERPLANT SOFTWARE	_	_	_	_	_	
303.6	NMEP COMPUTER SOFTWARE	784,350	_	_	_	_	784,350
303.7	CLOUD-BASED SOFTWARE	11,671,585	4,970,971	_	_	_	16,642,555
303.71	CLOUD-BASED SW HORIZON		23,987,694	_	_	_	23,987,694
303.72	CLOUD-BASED SW TSA SECURITY DIRECTIVE	_	1,128,717	_	_	_	1,128,717
303.8	NWN ONLY NMEP COMPUTER SOFTWARE	1,741		_	_	_	1,741
	Intangible Plant Subtotal*	176,356,772	98,872,636	(27,842,196)	_	_	247,387,212
Production	n Plant - Oil Gas			• • • •			
304.1	LAND	24,998	_	_	_	_	24,998
305.2	P P O G STRU & IMPR-SEWER S	24,330					24,330
305.5	P P O G STRU & IMPR-OTHER Y	13,156					13,156
312.3	P P O G FUEL HANDLING AND S	10,100	_			_	10,100
318.3	P P O G LIGHT OIL REFINING	144,896					144,896
318.5	P P O G TAR PROCESSING	243,551				_	243,551
325	NATURAL GAS PROD AND GATHER	243,331					243,331
323	NATURAL GAS PROD & GATHERIN		_			_	
328	NATURAL GAS PROD AND GATHER						
331	NATURAL GAS PROD & GATHERIN		_				
332	NATURAL GAS PROD & GATHERIN						
333	NATURAL GAS PROD & GATHERIN	—	—		_	—	
334	NATURAL GAS PROD & GATHERIN	_	_	_	_	_	
- 334	Production Plant - Oil Gas Subtotal*	426,601					426,601
		120,001					120,001
	n Plant - Other						
305.11	GAS PRODUCTION - COTTAGE G	8,320	—	—	_	—	8,320
305.17	STRUCTURES MIXING STATION	46,587	_	—	_	_	46,587
311	P P OTHER-LIQUEFIED PETROLE	—	_	—	_	_	_
311.4	P P OTHER-L P G GRANGER	_	—	—	-	-	
311.7	LIQUIFIED GAS EQUIPMENT COO	4,033	_	—	_	—	4,033
311.8	LIQUIFIED GAS EQUIPMENT LIN	4,209	_	—	_	—	4,209
319	GAS MIXING EQUIPMENT GASCO	185,448					185,448
	Production Plant - Other Subtotal*	248,597					248,597

NW Natural

Functional C FERC Plar	Class nt Account	Beginning					
FERC Plan	nt Account						Ending
		Balance	Additions	Retirements	Transfers	Adjustments	Balance*
UTILITY							
Natural Gas	Underground Storage						
	LAND	106,549	_	_	_	_	106,549
350.2	RIGHTS-OF-WAY	109,625	_	_	_	_	109,625
350.3	NMEP RIGHTS-OF-WAY	538,145	_	_	_	_	538,145
350.4	NMEP LAND	461,268	_	_	_	_	461,268
350.5	NWN ONLY NMEP RIGHTS-OF-WAY	2,611	_	_	_	_	2,611
350.6	NWN ONLY NMEP LAND	3,047	_	_	_	_	3,047
351	STRUCTURES AND IMPROVEMENTS	8,919,522	232,028	_	_	_	9,151,550
351.1	NMEP STRUCTURES AND IMPROVEMENTS	11,709,397	1,742,515	_	_	_	13,451,912
351.2	NWN ONLY NMEP STRUCTURES AND IMPROV	34,890	_	_	_	_	34,890
352	WELLS	31,497,831	4,189,394	_	_	_	35,687,225
352.1	STORAGE LEASEHOLD & RIGHTS	3,938,491	_	_	_	_	3,938,491
352.2	RESERVOIRS	7,272,553	_	_	_	_	7,272,553
352.3	NON-RECOVERABLE NATURAL GAS	6,440,890	_	_	_	_	6,440,890
352.4	NMEP WELLS	17,119,662	5,617	_	_	_	17,125,279
352.5	NMEP STORAGE LEASEHOLD & RIGHTS	2,642,483	6,054	_	_	_	2,648,537
352.6	NMEP RESERVOIRS	2,642,483	6,054	_	_	_	2,648,537
352.7	NMEP NON-RECOVERABLE NATURAL GAS	2,696,233	6,237	_	_	_	2,702,470
352.8	NWN ONLY NMEP WELLS	89,656	_	_	_	_	89,656
352.9	NWN ONLY NMEP STORAGE LEASEHOLD & RIGHTS	15,450	_	_	_	_	15,450
352.10	NWN ONLY NMEP RESERVOIRS	15,450	_	_	_	_	15,450
352.11	NWN ONLY NMEP NON-RECOVERABLE NATURAL GAS	15,886	_	_	_	_	15,886
	LINES	8,211,418	1,348,338	_	_	_	9,559,756
	NMEP LINES	459,584		_	_	_	459,584
	NWN ONLY NMEP LINES	1,741	_	_	_	_	1,741
	COMPRESSOR STATION EQUIPMENT	27,592,775	2,644,786	_	_	_	30,237,560
	NMEP COMPRESSOR STATION EQUIPMENT	23,166,410		_	_	_	23,166,410
	NWN ONLY NMEP COMPRESSOR STATION EQUIP	238,430	_	_	_	_	238,430
	MEASURING / REGULATING EQUIPM	17,013,339	11,169,468	_	_	_	28,182,807
	NMEP MEASURING / REGULATING EQUIPMENT	10,762,340	889,077	_	_	_	11,651,417
	NWN ONLY NMEP MEASURING / REG EQUIP	67,604		_	_	_	67,604
		28,464,761	345,224	_	_	_	28,809,985
	NMEP PURIFICATION EQUIPMENT	6,652,661	335,530	_	_	_	6,988,190
	OTHER EQUIPMENT	5,084,949	113,567	_	_	_	5,198,516
	Natural Gas Underground Storage Subtotal*	223,988,136	23,033,888			_	247,022,023

NW Natural

						Period Beginning: Period Ending:	January 2022 December 2022
Functional	l Class	Beginning					Ending
FERC P	Plant Account	Balance	Additions	Retirements	Transfers	Adjustments	Balance*
UTILITY						•	
Local Stor	age Plant						
	LAND - LNG LINNTON	83,598	_	_	_	_	83,598
360.12	LAND - LNG NEWPORT	536,433	_	_	_	_	536,433
360.2	LAND - OTHER	106,557	_	_	_	_	106,557
361.11	STRUCTURES & IMPROVEMENTS	10,802,745	1,452,034	_	_	_	12,254,779
361.12	STRUCTURES & IMPROVEMENTS	12,196,541	_	_	_	_	12,196,541
361.2	STRUCTURES & IMPROVEMENTS -	26,757	_	_	_	_	26,757
362.11	GAS HOLDERS - LNG LINNTON	4,556,064	_	_	_	_	4,556,064
362.12	GAS HOLDERS - LNG NEWPORT	5,927,104	_	_	_	_	5,927,104
362.2	GAS HOLDERS - LNG OTHER	1,600	_	_	_	_	1,600
363.11	LIQUEFACTION EQUIP LINN	3,911,724	_	_	_	_	3,911,724
363.12	LIQUEFACTION EQUIP - NEWPO	15,970,396	6,562,936	_	_	_	22,533,333
363.21	VAPORIZING EQUIP - LINNTON	4,458,618	· · · -	_	_	_	4,458,618
363.22	VAPORIZING EQUIP - NEWPORT	6,718,209	_	_	_	_	6,718,209
363.31	COMPRESSOR EQUIP - LINNTON	179,151	233,035	_	_	_	412,186
363.32	COMPRESSOR EQUIPMENT - NE	5,565,285	13,113	_	_	_	5,578,397
363.41	MEASURING & REGULATING EQU	3,575,321	1,919,653	_	_	_	5,494,974
363.42	MEASURING & REGULATING EQU	10,852,103	3,334,330	_	_	_	14,186,433
363.5	CNG REFUELING FACILITIES	3,051,295		_	_	_	3,051,295
363.6	LNG REFUELING FACILITIES	739,473	_	_	_	_	739,473
	Local Storage Plant Subtotal*	89,258,977	13,515,101	_	_	_	102,774,078
Transmiss	ion Plant						
365.1	LAND	1,015,597	_	_	_	_	1,015,597
365.2	LAND RIGHTS	6,455,177	_	_	_	_	6,455,177
365.3	NMEP LAND RIGHTS	577,199	_	_	_	_	577,199
365.4	NWN ONLY NMEP LAND RIGHTS	3,337	_	_	_	_	3,337
366.3	STRUCTURES & IMPROVEMENTS -	1,546,073	_	_	_	_	1,546,073
367	MAINS	191,574,733	24,101,399	_	_	_	215,676,132
367.21	NORTH MIST TRANSMISSION LI	1,994,582		_	_	_	1,994,582
367.22	SOUTH MIST TRANSMISSION LI	14,949,264	_	_	_	_	14,949,264
367.23	SOUTH MIST TRANSMISSION LI	34,881,341	_	_	_	_	34,881,341
367.24	11.7M S MIST TRANS LINE	17,466,182	_	_	_	_	17,466,182
367.25	12M NORTH S MIST TRANS	18,613,651	_	_	_	_	18,613,651
367.26	38M NORTH S MIST TRANS	68,232,676	_	_	_	_	68,232,676
367.27	NMEP MAINS	66,923,170	_	_	_	_	66,923,170
367.28	NWN ONLY NMEP MAINS	330,841	_	_	_	_	330,841
368	TRANSMISSION COMPRESSOR		_	_	_	_	
369	MEASURING & REGULATE STATION	3,969,549	_	_	_	_	3,969,549
370	COMMUNICATION EQUIPMENT		_	_	_	_	
	Transmission Plant Subtotal*	428,533,373	24,101,399	_	_	_	452,634,771

NW Natural

Functional Class Beginning	anuary 2022
FERC Plant Account Balance Additions Retirements Transfers Adjustments E UTILITY 374.1 LAND 201,303 -	cember 2022
UTILITY Distribution Plant 374.1 LAND 201,303 -	Ending
Distribution Plant 374.1 LAND 201,303	alance*
374.1 LAND 201,303 374.2 LAND RIGHTS 1,858,502 375 STRUCTURES & IMPROVEMENTS 132,550 376.11 MAINS 4" &> 587,194,771 16,499,881 (289,102) 376.12 MAINS 4" &> 581,124,809 53,283,853 (302,073) 376.13 NMEP MAINS 4 * &> 664,080 377 COMPRESSOR STATION EQUIPMENT 818,380 378 MEASURING & REG EQUIP - GENER 38,964,211 3,265,151 379 MEASURING & REG EQUIP - GATE 17,218,164 1,470,039 380 SERVICES 825,339,621 2,605,756 (2,234,105) 381.1 METERS 99,259,221 2,605,766 (2,244,105) 382.2 ERT (ENCODER RECEIVER TRANS	
374.2 LAND RIGHTS 1,855,502 375 STRUCTURES & IMPROVEMENTS 132,550 376.11 MAINS < 4"	
375 STRUCTURES & IMPROVEMENTS 132,550 — — — — — — — — …	201,303
376.11 MAINS < 4"	1,858,502
376.12 MAINS 4" &> 581,124,809 53,283,853 (302,073) 376.13 NMEP MAINS HP 4" &> 664,080 377 COMPRESSOR STATION EQUIPMENT 818,380 378 MEASURING & REG EQUIP - GENER 38,964,211 3,265,151 378.1 MEASURING & REG EQUIP - GATE 17,218,164 1,470,039 379 MEASURING & REG EQUIP - GATE 17,218,164 1,470,039 380 SERVICES 825,393,624 33,166,944 (2,556,758) 381.1 METERS 99,259,221 2,605,576 (2,234,105) 381.2 ERT (ENCODER RECEIVER TRANS 37,328,708 1,181,594 (4,452,761) 382.1 METER INSTALLATIONS 57,446,884 2,182,874 (2,772,410) 382.2 ERT INSTALLATIONS (ELECTR 481,020 383 </td <td>132,550</td>	132,550
376.13 NMEP MAINS HP 4" &> 664,080 - - - - 377 COMPRESSOR STATION EQUIPMENT 818,380 - - - - 378 MEASURING & REG EQUIP - GENER 38,964,211 3,265,151 - - - 378.1 MEASURING & REG EQUIP - RNG 438,033 (779,381) - - - 379 MEASURING & REG EQUIP - GATE 17,218,164 1,470,039 - - - 380 SERVICES 825,393,624 33,166,944 (2,556,758) - - 381.1 METERS 99,259,221 2,605,576 (2,234,105) - - 381.2 ERT (ENCODER RECEIVER TRANS 37,328,708 1,181,594 (4,452,761) - - 382 METER INSTALLATIONS (ELECTR 481,020 - - - - 383 HOUSE REGULATORS 2,531,884 141,552 - - - 383 HOUSE REGULATORS 2,531,884 141,552 - - - 386.0 OTHER PROPERTY ON CUSTOMERS P 1,1	603,405,550
377 COMPRESSOR STATION EQUIPMENT 818,380 378 MEASURING & REG EQUIP - GENER 38,964,211 3,265,151 378.1 MEASURING & REG EQUIP - RNG 438,033 (779,381) 379 MEASURING & REG EQUIP - GATE 17,218,164 1,470,039 380 SERVICES 825,393,624 33,166,944 (2,556,758) 381 METERS 99,259,221 2,605,576 (2,234,105) 381.1 METERS (ELECTRONIC) 1,696,938 381.2 ERT (ENCODER RECEIVER TRANS 37,328,708 1,181,594 (4,452,761) 382.4 METER INSTALLATIONS ELECTR 481,020 <td>634,106,588</td>	634,106,588
378 MEASURING & REG EQUIP - GENER 38,964,211 3,265,151 378.1 MEASURING & REG EQUIP - RNG 438,033 (779,381) 379 MEASURING & REG EQUIP - GATE 17,218,164 1,470,039 380 SERVICES 825,393,624 33,166,944 (2,556,758) 381 METERS 99,259,221 2,605,576 (2,234,105) 381.1 METERS (ELECTRONIC) 1,696,938 381.2 ERT (ENCODER RECEIVER TRANS 37,328,708 1,181,594 (4,452,761) 382.1 METER INSTALLATIONS (ELECTR 481,020 382.2 ERT INSTALLATION (ENCODER 8,636,416 2,766,128 (243,307) 383.1 HOUSE REGULATORS 2,531,884 141,552 386 OTHER PROPERTY ON CUSTOMERS P 1,162,110 386.1	664,080
378.1 MEASURING & REG EQUIP - RNG 438,033 (779,381) - - - 379 MEASURING & REG EQUIP - GATE 17,218,164 1,470,039 - - - 380 SERVICES 825,393,624 33,166,944 (2,556,758) - - 381 METERS 99,259,221 2,605,576 (2,234,105) - - 381.1 METERS (ELECTRONIC) 1,696,938 - - - - 382.2 ERT (ENCODER RECEIVER TRANS 37,328,708 1,181,594 (4,452,761) - - 382.1 METER INSTALLATIONS 57,446,884 2,182,874 (2,772,410) - - 382.2 ERT INSTALLATIONS (ELECTR 481,020 - - - - 382.2 ERT INSTALLATION (ENCODER 8,636,416 2,766,128 (243,307) - - - 383 HOUSE REGULATORS 2,531,884 141,552 - - - 386 OTHER PROPERTY ON CUSTOMERS P 1,162,110 - - - - 386.1 MULTI-	818,380
379 MEASURING & REG EQUIP - GATE 17,218,164 1,470,039 380 SERVICES 825,393,624 33,166,944 (2,556,758) 381 METERS 99,259,221 2,605,576 (2,234,105) 381.1 METERS (ELECTRONIC) 1,696,938 381.2 ERT (ENCODER RECEIVER TRANS 37,328,708 1,181,594 (4,452,761) 382.1 METER INSTALLATIONS 57,446,884 2,182,874 (2,772,410) 382.1 METER INSTALLATIONS (ELECTR 481,020 382.2 ERT INSTALLATION (ENCODER 8,636,416 2,766,128 (243,307) 383 HOUSE REGULATORS 2,531,884 141,552 386 OTHER PROPERTY ON CUSTOMERS P 1,162,110 386.1 MULTI-FAMILY METER ROOMS 387.1 CATHO	42,229,363
380 SERVICES 825,393,624 33,166,944 (2,556,758) - - 381 METERS 99,259,221 2,605,576 (2,234,105) - - 381.1 METERS (ELECTRONIC) 1,696,938 - - - - 381.2 ERT (ENCODER RECEIVER TRANS 37,328,708 1,181,594 (4,452,761) - - 382 METER INSTALLATIONS 57,446,884 2,182,874 (2,772,410) - - 382.1 METER INSTALLATIONS (ELECTR 481,020 - - - - 382.2 ERT INSTALLATION (ENCODER 8,636,416 2,766,128 (243,307) - - 383 HOUSE REGULATORS 2,531,884 141,552 - - - 386 OTHER PROPERTY ON CUSTOMERS P 1,162,110 - - - - 386.1 MULTI-FAMILY METER ROOMS - - - - - 387.1 CATHODIC PROTECTION TESTING 173,859 - - - -	(341,349)
381 METERS 99,259,221 2,605,576 (2,234,105) — — — — — — — — — — — — — — …	18,688,202
381.1 METERS (ELECTRONIC) 1,696,938 — …	856,003,809
381.2 ERT (ENCODER RECEIVER TRANS 37,328,708 1,181,594 (4,452,761) — — — 382 METER INSTALLATIONS 57,446,884 2,182,874 (2,772,410) — — — 382.1 METER INSTALLATIONS (ELECTR 481,020 — — — — — 382.2 ERT INSTALLATION (ENCODER 8,636,416 2,766,128 (243,307) — — — 383 HOUSE REGULATORS 2,531,884 141,552 — — — — 386 OTHER PROPERTY ON CUSTOMERS P 1,162,110 — — — — — 386.1 MULTI-FAMILY METER ROOMS — — — — — — 387.1 CATHODIC PROTECTION TESTING 173,859 — — — — —	99,630,691
382 METER INSTALLATIONS 57,446,884 2,182,874 (2,772,410) — — — — — — — — — — — — — — …	1,696,938
382.1 METER INSTALLATIONS (ELECTR 481,020 — …	34,057,540
382.2 ERT INSTALLATION (ENCODER 8,636,416 2,766,128 (243,307) — — — 383 HOUSE REGULATORS 2,531,884 141,552 — — — — 386 OTHER PROPERTY ON CUSTOMERS P 1,162,110 — — — — — 386.1 MULTI-FAMILY METER ROOMS — — — — — — 387.1 CATHODIC PROTECTION TESTING 173,859 — — — — —	56,857,347
383 HOUSE REGULATORS 2,531,884 141,552 — …	481,020
386 OTHER PROPERTY ON CUSTOMERS P 1,162,110 — … … … … … … … … … … … … … … … … <td>11,159,237</td>	11,159,237
386.1 MULTI-FAMILY METER ROOMS — … … … … … … … … … … … … … … … <td< td=""><td>2,673,436</td></td<>	2,673,436
387.1 CATHODIC PROTECTION TESTING 173,859 — # # # # # # #	1,162,110
	_
387.2 CALORIMETERS @ GATE STATIONS 69.794 — — — — — — —	173,859
	69,794
387.3 METER TESTING EQUIPMENT 72,671 — — — — —	72,671
Distribution Plant Subtotal* 2,262,867,931 115,784,208.8 (12,850,517.06) — — 2	,365,801,623

NW Natural

					Period Beginning:	January 2022
					Period Ending:	December 2022
Functional Class	Beginning					Ending
FERC Plant Account	Balance	Additions	Retirements	Transfers	Adjustments	Balance*
UTILITY						
General Plant						
389 LAND	11,509,766	11,247	_	_	_	11,521,012
390 STRUCTURES & IMPROVEMENTS	98,182,990	20,088,332	_	_	_	118,271,322
390.1 SOURCE CONTROL FACILITY	21,639,097	579,888	_	_	_	22,218,984
391.1 OFFICE FURNITURE & EQUIPMEN	17,371,396	226,438	(150,625)	_	_	17,447,209
391.2 COMPUTERS	51,130,073	4,612,845	(11,483,791)	_	_	44,259,127
391.21 COMPUTERS HORIZON		2,198,614	(,,, ,, ,, ,,,	_	_	2,198,614
391.22 COMPUTERS TSA SECURITY DIRECTIVE	_	24,886,345	_	_	_	24,886,345
391.3 ON SITE BILLING	_	· · · —	_	_	_	· · · —
391.4 CUSTOMER INFORMATION SYSTEM	_	_	_	_	_	_
391.5 NMEP COMPUTERS	546,467	86,674	_	_	_	633,141
391.51 NMEP COMPUTERS TSA SECURITY DIRECTIVE		247,810	_	_	_	247,810
391.6 NWN ONLY NMEP COMPUTERS	6,819		_	_	_	6,819
392 TRANSPORTATION EQUIPMENT	56,126,707	3,087,491	(2,108,481)	_	_	57,105,717
393 STORES EQUIPMENT	119,406		(_	_	119,406
394 TOOLS - SHOP & GARAGE EQUIPUI	17,909,245	607,647	_	_	_	18,516,892
395 LABORATORY EQUIPMENT	· · · —	_	_	_	_	· · · —
396 POWER OPERATED EQUIPMENT	15,203,113	1,552,829	(720,480)	_	_	16,035,463
396.1 NMEP POWER OPERATED EQUIPMENT	222,314	54	· · · · ·	_	_	222,368
397 GEN PLANT-COMMUNICATION EQU	67,401	_	(17,683)	_	_	49,718
397.1 MOBILE	3,869,970	_		_	_	3,869,970
397.2 OTHER THAN MOBILE & TELEMET	9,958	_	_	_	_	9,958
397.3 TELEMETERING - OTHER	8,702,826	2,732,618	(53,242)	_	_	11,382,202
397.4 TELEMETERING - MICROWAVE	5,694,170	336,547	(61,120)	_	_	5,969,596
397.5 TELEPHONE EQUIPMENT	340,671	_	_	_	_	340,671
398 GEN PLANT-MISCELLANEOUS EQU	_	_	_	_	_	_
398.1 PRINT SHOP	4,359	_	_	_	_	4,359
398.2 KITCHEN EQUIPMENT	28,865	_	_	_	_	28,865
398.3 JANITORIAL EQUIPMENT	14,873	_	_	_	_	14,873
398.4 INSTALLED IN LEASED BUILDINGS	5,393	_	_	_	_	5,393
398.5 OTHER MISCELLANEOUS EQUIPMENT	66,739	_	_	_	_	66,739
General Plant Subtotal*	308,772,616	61,255,378	(14,595,421)	—	—	355,432,573
Utility Property Grand Total*	3,490,453,001	336,562,610	(55,288,134)	_	_	3,771,727,478
	05 000 407					00.040.000
GL Account 160005	85,966,407					86,016,680
GL Account 160010	_					(22,203)
GL Account 142105	1,897,662					2,415,446
						_,,
GL Account 142110	254,210				_	
Utility Property Under Capital Leases *	88,118,279				_	88,409,923
Total Utility Plant*	3,578,571,281				_	3,860,137,401

ACCOUNT SUMMARY BY FUNCTIONAL CLASS NW Natural

Functional C	lass	Beginning				Period Beginning: Period Ending:	January 2022 December 2022 Ending
		•••		Turneferre	A	•	
FERC Plant		Balance	Additions	Retirements	Transfers	Adjustments	Balance*
NON-UTILITY							
Intangible Pla	ant						
303.1	COMPUTER SOFTWARE	163,357	_	(163,357)	_	_	_
303.2	CUSTOMER INFORMATION SYSTEM	61,429	_	—	_	_	61,429
Non Utility	Intangible Plant Subtotal*	224,786	_	(163,357)	_	_	61,429
Natural Gas	Underground Storage						
352	WELLS	20,999,793	930,325	_	_	_	21,930,118
352.1	STORAGE LEASEHOLD & RIGHTS	1,020	_	_	_	_	1,020
352.2	RESERVOIRS	3,561,501	_	_	_	_	3,561,501
353	LINES	2,575,844	_	—	_	—	2,575,844
354	COMPRESSOR STATION EQUIPMENT	12,836,305	274,817	_	_	—	13,111,121
355	MEASURING / REGULATING EQUIPMENT	9,025,709	_	—	_	—	9,025,709
357	OTHER EQUIPMENT	63,256	—	—	—	—	63,256
Non Utility	Natural Gas Underground Storage Subtotal*	49,063,429	1,205,141	_	_	_	50,268,570
Transmissio	n Plant						
368	TRANSMISSION COMPRESSOR	7,723,454	—	—	_	—	7,723,454
Non Utility	Transmission Plant Subtotal*	7,723,454	_	_	-	_	7,723,454
Distribution I	Plant						
376.12	MAINS 4" & >	_	_	_	_	_	_
Non Utility	Distribution Plant Subtotal*	-	_	_	_	-	-
General Plan	t						
389	LAND	438,739	—	—	_	_	438,739
390	STRUCTURES & IMPROVEMENTS	250,296	_	—		_	250,296
Non Utility	General Plant Subtotal*	689,035	_	_		_	689,035

ACCOUNT SUMMARY BY FUNCTIONAL CLASS NW Natural

						Period Beginning:	January 2022
						Period Ending:	December 2022
Functional C	lass	Beginning					Ending
FERC Plant	t Account	Balance	Additions	Retirements	Transfers	Adjustments	Balance*
NON-UTILITY	Y						
Non Utility O	ther						
121.1	NON-UTIL PROP-DOCK	1,946,033	—	_	_	_	1,946,033
121.2	NON-UTIL PROP-LAND	125,102	_	—	_	_	125,102
121.3	NON-UTIL PROP-OIL ST	5,891,879	(6,304)	—	_	_	5,885,574
121.7	NON-UTIL PROP-APPL CENTER	64,906	_	_	_	_	64,906
121.8	NON-UTIL PROP-STORAGE	96,038	—	—	—	—	96,038
Non Utility	Other*	8,123,958	(6,304)	_	_	_	8,117,654
	Non Utility Property Grand Total*	65,824,662	1,198,837	(163,357)	_	_	66,860,143

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF OREGON - SITUS GAS PLANT HELD FOR FUTURE USE (Account 105)

1. Report separately each property held for future use at end of the year having an original cost of \$100,000 or more. Other items of property held for future use may be grouped provided that the number of properties so grouped is indicated.

2. For property having an original cost of \$100,000 or more previously used in utility operations, now held for future use, give in addition to other required information, the date that utility use of such property was discontinued, and the date the original was transferred to Account 105.

		DATE ORIGINALLY INCLUDED	-	BALANCE END
Line	DESCRIPTION AND LOCATION OF PROPERTY	IN THIS ACCOUNT		OF YEAR
No.	(a)	(b)	(c)	(d)
1	Underground Storage	07/2009	Undetermined	127,921
2	Easement	11/2011	Undetermined	136,720
3	Willamette River Crossing - Engineering Costs	05/2015	Undetermined	705,427
4				
5				
6				
7				
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22				
23				
24				
25				
26				
27				
28				
29				0.000
30	TOTALS			970,068

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF OREGON - SITUS CONSTRUCTION WORK IN PROGRESS - GAS (Account 107)

1. Report below descriptions and balances at end of year of projects in process of construction (Account 107)

2. Show items relating to "research, development, and demonstration" projects last, under a caption Research, Development, and Demonstration (see Account 107 of the Uniform System of Accounts).

3. Minor projects (less than \$1,000,000) may be grouped.

Line	DESCRIPTION OF PROJECT	CONSTRUCTION WORK IN PROGRESS - GAS (ACCOUNT 107)	ESTIMATED ADDITIONAL COST OF PROJECT
No.	(a)	(b)	(c)
1	Misc Information Services Projects	27,745,900	26,683,672
2	Mains and Services Jobs	26,242,090	15,621,449
3	Other	14,024,869	4,513,156
4	Portland LNG Readiness	4,013,879	6,280,726
5	Mist Projects	3,224,976	9,808,500
6	Misc Facilities Projects	1,598,761	15,673,813
7	Newport LNG Readiness	1,023,643	7,163,221
8	North Mist Projects	548,544	3,751,000
9			
10			
11			
12			
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19			
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21			
22			
23			
24			
25			
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28			
29		70,400,000	00 405 507
30	TOTALS	78,422,662	89,495,537

Name of Respondent	This Report is:	Date of Report	Year of Report	
	(1) 🗵 An Original	(Mo, Da, Yr)		
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022	

STATE OF OREGON - SITUS ACCUMULATED PROVISION FOR DEPRECIATION OF GAS UTILITY PLANT (Account 108)

1. Explain in a footnote any important adjustments during year.

2. Explain in a footnote any difference between the amount for book cost of plant retired, line 11, column (c), and that reported for gas plant in service pages 24-27, column (d), excluding retirements of non-depreciable property.

3. The provisions of Account 108 of the Uniform System of Accounts require that retirements of depreciable plant be recorded when such plant is removed from service. If the respondent has a significant amount of plant retired at year end which has not been recorded and/or classified to the various reserve functional classifications, make preliminary closing entries to tentatively functionalize the book cost of the plant retired. In addition, include all costs included in retirement work in progress at year end in the appropriate functional classifications.

4. Show separately interest credits under a sinking fund or similar method of depreciation accounting.

SEE FOLLOWING PAGES

NW NATURAL

								Period Beginning:	January 2022
								Period Ending:	December 2022
Function		Beginning			Cost of	Salvage and	Transfers and		Ending
	Plant Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
UTILITY									
Intangibl	e Plant								
301	ORGANIZATION	_	_	_	_	_		_	_
302	FRANCHISES & CONSENTS	_	_	_	_	_	_	_	_
303.1	COMPUTER SOFTWARE	41,164,285	8,982,821	(27,842,196)	_	_		_	22,304,911
303.11	COMPUTER SW HORIZON	· · · —	813,380		_	_	_	_	813,380
303.12	COMPUTER SW TSA SECURITY DIRECTIVE	_	221,249	_	_	_	_	_	221,249
303.2	CUSTOMER INFORMATION SYSTEM	30,485,095	508	_	_	_	_	_	30,485,603
303.3	INDUSTRIAL & COMMERCIAL BIL	4,146,951	_	_	_		_	_	4,146,951
303.4	CRMS		_	_	_	_	_	_	
303.5	POWERPLANT SOFTWARE	_	_	_	_	_	_	_	_
303.6	NMEP COMPUTER SOFTWARE	409,117	139,131	_	_	_	_	_	548,248
303.7	CLOUD-BASED SOFTWARE	2,416,859	3,403,972	_	_	_	_	_	5,820,831
303.71			793,126	_	_	_	_	_	793,126
303.8	NWN ONLY NMEP COMPUTER SOFTW	276	311	_	_	_	_	_	586
	Intangible Plant Subtotal	78,622,584	14,354,498	(27,842,196)	—	_	_	_	65,134,886
Producti	on Plant - Oil Gas								
304.1	LAND	_	_	_	_	_	_	_	_
305.2	P P O G STRU & IMPR-SEWER S	_	_	_	_	_	_	_	_
305.5	P P O G STRU & IMPR-OTHER Y	13,814	_	_	_	_	_	_	13,814
312.3	P P O G FUEL HANDLING AND S		_	_	_	_	_	_	
318.3	P P O G LIGHT OIL REFINING	152,141	_	_	_	_	_	_	152,141
318.5	P P O G TAR PROCESSING	255,729	_	_	_	_	_	_	255,729
325	NATURAL GAS PROD AND GATHER	200,720	_	_	_	_		_	200,120
327	NATURAL GAS PROD & GATHERIN	_	_	_	_	_		_	_
328	NATURAL GAS PROD AND GATHER	_	_	_	_	_		_	_
331	NATURAL GAS PROD & GATHERIN	_	_	_	_	_		_	_
332	NATURAL GAS PROD & GATHERIN	_	_	_	_	_		_	_
333	NATURAL GAS PROD & GATHERIN	_	_	_	_	_	_	_	_
334	NATURAL GAS PROD & GATHERIN	_	_	_	_	_	_	_	_
	Production Plant - Oil Gas Subtotal*	421,683			_	_			421,683
Producti	on Plant - Other								
	GAS PRODUCTION - COTTAGE G	8,736			_			_	8,736
	STRUCTURES MIXING STATION	51,246	_	_	_	_	_	_	51,246
303.17	P P OTHER-LIQUEFIED PETROLE	51,240	_	_	_	_	_	_	51,240
311.4	P P OTHER-LIQUEFIED PETROLE	_	_	_	_	_	_	_	_
311.4	LIQUIFIED GAS EQUIPMENT COO	8,066	_	_	_	_		_	8,066
311.7	LIQUIFIED GAS EQUIPMENT COO	•	—	_	_	_	_	_	6,585
311.0		6,585 104 720	—	—	_				6,585 194,720
213	GAS MIXING EQUIPMENT GASCO	194,720							269,353
	Production Plant - Other Subtotal*	269,353	_	_	_	_	_	_	209,353

Period Beginning: January 2022

								Period Ending:	December 2022
Function	al Class	Beginning			Cost of	Salvage and	Transfers and	•	Ending
FERC I	Plant Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve
UTILITY							-	· · ·	
Natural (Gas Underground Storage								
350.1	LAND	_	_	_	_	_	_	_	_
350.2	RIGHTS-OF-WAY	35,139	1,564	_	_	_	_	_	36,703
350.3	NMEP RIGHTS-OF-WAY	22,887	8,539	_	_	_	_	_	31,426
350.4	NMEP LAND	3	1	_	_	_	_	_	3
350.5	NWN ONLY NMEP RIGHTS-OF-WAY	33	41	_	_	_	_	_	75
350.6	NWN ONLY NMEP - LAND	_	_	_	_	_	_	_	_
351	STRUCTURES AND IMPROVEMENTS	3,315,503	136,062	—	_	—	—	_	3,451,565
351.1	NMEP STRUCTURES AND IMPROVEMENTS	907,107	300,729	_	_	—	—	—	1,207,836
351.2	NWN ONLY NMEP STRUCTURES AND IMPROVEMENTS	472	584	_	_	—	_	_	1,057
352	WELLS	13,451,111	480,076	_	_	—	_	_	13,931,187
352.1	STORAGE LEASEHOLD & RIGHTS	1,942,698	62,819	_	—	—	_	_	2,005,517
352.2	RESERVOIRS	3,051,185	122,421	_	—	—	_	_	3,173,606
352.3	NON-RECOVERABLE NATURAL GAS	3,862,011	99,834	_	—	—	_	_	3,961,845
352.4	NMEP WELLS	873,034	342,060	_	—	—	_	_	1,215,093
352.5	NMEP STORAGE LEASEHOLD & RIGHTS	134,636	49,718	_	—	—	_	_	184,354
352.6	NMEP RESERVOIRS	139,104	51,580	_	—	—	_	—	190,684
352.7	NMEP NON-RECOVERABLE NATURAL GAS	133,029	49,745	_	_	—	—	—	182,774
352.8	NWN ONLY NMEP WELLS	1,469	1,745	_	_	_	_	_	3,215
352.9	NWN ONLY NMEP STORAGE LEASEH & RIGHTS	239	282	_	_	_	_	_	521
352.10	NWN ONLY NMEP RESERVOIRS	246	296	_	_	_	_	_	542
352.11	NWN ONLY NMEP NON-RECOVERABLE NAT	236	287	_	_	_	_	_	524
353	LINES	3,804,224	190,932	_	_	_	_	_	3,995,156
353.1		24,566	9,493	_	_	_	_	_	34,059
353.2	NWN ONLY NMEP LINES	(201,976)	32	_	_	_	_	_	(201,944)
354	COMPRESSOR STATION EQUIPMENT	16,600,158	526,151	_	_	_	_	_	17,126,309
354.7	NMEP COMPRESSOR STATION EQUIPMENT	1,607,300	582,996	_	_	_	_	_	2,190,296
354.8	NWN ONLY NMEP COMPRESSOR STATION EQUIPMENT	4,436	5,528	_	_	_	_	_	9,963
355	MEASURING / REGULATING EQUIPM	5,342,581	468,931	_	_	_	_	_	5,811,511
355.1	NMEP MEASURING / REGULATING EQUIPMENT	583,498	233,327	_	_	_	_	_	816,825
355.2	NWN ONLY NMEP MEASURING / REG. EQUIPM	1,012	1,352			_	_		
		-	-	_	_		—	_	2,364
356		718,262	438,405	_	_	_	—	—	1,156,666
356.1		448,537	156,369	_	_	_	—	—	604,906
357	OTHER EQUIPMENT Natural Gas Underground Storage Subtotal*	1,138,826 57,941,566	115,035 4,436,933						1,253,861 62,378,499

			NW NATORA	L				
							Period Beginning: Period Ending:	January 2022 December 2022
Functional Class	Beginning			Cost of	Salvage and	Transfers and		Ending
FERC Plant Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
UTILITY								
Local Storage Plant								
360.11 LAND - LNG LINNTON	_	_	_	_	_	_	_	_
360.12 LAND - LNG NEWPORT	(242)	_	_	_	_	_	_	(242)
360.2 LAND - OTHER	· _ /	_	_	_	_	_	_	·
361.11 STRUCTURES & IMPROVEMENTS	3,976,852	454,753	_	_	_	_	_	4,431,605
361.12 STRUCTURES & IMPROVEMENTS	4,194,877	513,474	_	_	_	_	_	4,708,351
361.2 STRUCTURES & IMPROVEMENTS -	13,312	464	_	_	_	_	_	13,776
362.11 GAS HOLDERS - LNG LINNTON	2,805,308	129,316	_	_	_	_	_	2,934,624
362.12 GAS HOLDERS - LNG NEWPORT	6,326,012	96,019	_	_	_	_	_	6,422,031
362.2 GAS HOLDERS - LNG OTHER	1,282	16	_	_	_	_	_	1,297
363.11 LIQUEFACTION EQUIP LINN	2,785,740	53,851	_	_	_	_	_	2,839,591
363.12 LIQUEFACTION EQUIP - NEWPO	7,548,919	208,490	_	_	_	_	_	7,757,409
363.21 VAPORIZING EQUIP - LINNTON	2,514,871	42,431	_	_	_	_	_	2,557,302
363.22 VAPORIZING EQUIP - NEWPORT	770,419	224,949	_	_	_	_	_	995,368
363.31 COMPRESSOR EQUIP - LINNTON	208,476	3,540	_	_	_	_	_	212,017
363.32 COMPRESSOR EQUIPMENT - NE	1,865,737	387,061	_	_	_	_	_	2,252,798
363.41 MEASURING & REGULATING EQU	999,163	191,186	_	_	_	_	_	1,190,349
363.42 MEASURING & REGULATING EQU	293,023	125,808	_	_	_	_	_	418,832
363.5 CNG REFUELING FACILITIES	1,671,865	79,842	_	_	_	_	_	1,751,707
363.6 LNG REFUELING FACILITIES	739,473	592	_	_	_	_	_	740,065
Local Storage Plant Subtotal*	36,715,086	2,511,793	_	_	_	_	_	39,226,879
Transmission Plant								
365.1 LAND	2 400 742	05 750	_	_	_	_	_	2 540 405
365.2 LAND RIGHTS	2,420,713	95,752	_	_	_	_	—	2,516,465
365.3 NMEP LAND RIGHTS	29,040	10,439	_	_	_	_	—	39,479
365.4 NWN ONLY NMEP LAND RIGHTS	50	60	_	_	_	_	_	110
366.3 STRUCTURES & IMPROVEMENTS -	439,926	27,056	_	_	_	-	_	466,982
367 MAINS	46,569,036	3,734,599	_	_	_	_	—	50,303,636
367.21 NORTH MIST TRANSMISSION LI	1,280,286	33,443	_	_	_	_	—	1,313,728
367.22 SOUTH MIST TRANSMISSION LI	11,728,110	230,717	_	_	_	_	—	11,958,827
367.23 SOUTH MIST TRANSMISSION LI	16,607,368	662,164	—	—	_	_	_	17,269,532
367.24 11.7M S MIST TRANS LINE	7,174,133	332,149	—	_	_	_	—	7,506,282
367.25 12M NORTH S MIST TRANS	7,347,231	356,141	—	_	_	_	_	7,703,372
367.26 38M NORTH S MIST TRANS	27,112,628	1,304,381	—	—	_	_	_	28,417,009
367.27 NMEP MAINS	4,550,464	1,655,199	_	—	_	—	—	6,205,663
367.28 NWN ONLY NMEP MAINS	4,819	6,446	_	—	_	_	—	11,265
368 TRANSMISSION COMPRESSOR	(9)		—	—	—	_	-	(9)
369 MEASURING & REGULATE STATION	1,907,740	82,433	_	—	-	—	-	1,990,173
370 COMMUNICATION EQUIPMENT	—		—	—		_	_	
Transmission Plant Subtotal*	127,171,536	8,530,978	—	_	_	_	—	135,702,514

* May not foot due to rounding.

								Period Beginning: Period Ending:	January 2022 December 2022
Functiona	l Class	Beginning			Cost of	Salvage and	Transfers and		Ending
FERC P	lant Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
UTILITY									
Distributio	on Plant								
374.1	LAND	_	_	_	_	_	_	_	_
374.2	LAND RIGHTS	1,688,068	9,169	_	_	_	_	_	1,697,237
375	STRUCTURES & IMPROVEMENTS	53,879	1,939	_	_	_	_	_	55,818
376.11	MAINS < 4"	339,203,459	14,451,417	(289,102)	(1,350,140)	15,409	_	_	352,031,044
376.12	MAINS 4" & >	241,451,111	13,652,792	(302,073)	(980,075)	16,823	_	_	253,838,578
376.13	NMEP MAINS HP 4" & >	39,367	15,379	_	_	_	_	_	54,745
377	COMPRESSOR STATION EQUIPMENT	699,564	10,516	_	_	_	_	_	710,080
378	MEASURING & REG EQUIP - GENER	14,425,421	783,305	_	_	_	_	_	15,208,726
378.1	MEASURING & REG EQUIP - RNG	1,847	(5,058)	_	_	_	_	_	(3,211)
379	MEASURING & REG EQUIP - GATE	3,071,032	386,546	—	_	—	_	_	3,457,578
380	SERVICES	442,959,521	24,209,741	(2,556,758)	(3,948,904)	—	—	-	460,663,599
381	METERS	16,278,557	2,415,778	(2,234,105)	—	11,177	—	-	16,471,407
381.1	METERS (ELECTRONIC)	2,091,193	(380,000)	—	—	—	—	-	1,711,193
381.2	ERT (ENCODER RECEIVER TRANS	14,506,766	2,021,398	(4,452,761)	—	—	—	—	12,075,403
382	METER INSTALLATIONS	3,898,892	2,673,618	(2,772,410)	—	—	—	—	3,800,099
382.1	METER INSTALLATIONS (ELECTR	204,240	43,027	—	_	_	—	-	247,267
382.2	ERT INSTALLATION (ENCODER	5,305,823	337,130	(243,307)	_	_	—	-	5,399,646
383	HOUSE REGULATORS	517,761	74,898	—	_	_	—	-	592,658
386	OTHER PROPERTY ON CUSTOMERS P	511,391	122,656	—	_	_	—	-	634,047
386.1	MULTI-FAMILY METER ROOMS	_	_	—	_	_	—	-	_
387.1	CATHODIC PROTECTION TESTING	147,699	1,469	_	-	_	_	-	149,168
387.2	CALORIMETERS @ GATE STATIONS	69,794	_	_	-	_	_	-	69,794
387.3	METER TESTING EQUIPMENT	72,671	_	_	_	_	_	_	72,671
	Distribution Plant Subtotal*	1,087,198,054	60,825,718	(12,850,517)	(6,279,119)	43,409	—	_	1,128,937,546

NW NATURAL

Period Beginning: January 2022

FERC Plant Account Reserve Provision Retirements Removal Other Credits Adjustments Loss/(Gain) Res UTILITY General Plant 339 LAND 426,129 — — — — — — 10 10 300 STRUCTURES & IMPROVEMENTS 16,539,915 2.295,445 — — — — — — … 10 10 301 SOURCE CONTROL FACILITY 6,516,103 677,074 (160,625) — — …									Period Ending:	
Genoral Plant 426,129	Functional Clas	SS	Beginning			Cost of	Salvage and	Transfers and		Ending
General Plant 338 LAND 426,129 — _ 3311 OFICE FURINTURE EQUIPMENT 16,877,477 10,803 _	FERC Plant A	Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
389 LAND 426,129 - <t< th=""><th>UTILITY</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>	UTILITY									
390 STRUCTURES & IMPROVEMENTS 16,339,915 2,295,445 -	General Plant									
391.1 SOURCE CONTROL FACILITY 6.316,753 462,810	389	LAND	426,129	_	_	_	_	_	_	426,12
391.1 OFFICE FURNITURE & EQUIPMEN 6.554,103 677,074 (150,625) -	390	STRUCTURES & IMPROVEMENTS	16,539,915	2,295,445	_	_	_	_	_	18,835,35
391.21 COMPUTERS 26,058,461 9,277,270 (11,483,791) -<	390.1	SOURCE CONTROL FACILITY	6,316,753	462,810	_	_	_	_	_	6,779,56
391.21 COMPUTERS HORIZON	391.1	OFFICE FURNITURE & EQUIPMEN	6,554,103	677,074	(150,625)	_	_	_	_	7,080,55
391.22 COMPUTERS TSA SECURITY DIRECTIVE — 1,064,346 — — — — — — — — — — — — — — … <td< td=""><td>391.2</td><td>COMPUTERS</td><td>26,058,461</td><td></td><td>(11,483,791)</td><td>_</td><td>_</td><td>_</td><td>_</td><td>23,851,94</td></td<>	391.2	COMPUTERS	26,058,461		(11,483,791)	_	_	_	_	23,851,94
391.22 COMPUTERS TSA SECURITY DIRECTIVE — 1,064,346 — — — — — — — — — — — — — — — … <td< td=""><td>391.21</td><td>COMPUTERS HORIZON</td><td>_</td><td>108,802</td><td>_</td><td>_</td><td>_</td><td>_</td><td>_</td><td>108,80</td></td<>	391.21	COMPUTERS HORIZON	_	108,802	_	_	_	_	_	108,80
391.5 NMEP COMPUTERS 261,454 122,834		COMPUTERS TSA SECURITY DIRECTIVE	_		_	_	_	_	_	1,064,34
391.6 NVN ONLY NMEP COMPUTERS 1,080 1,364 <td>391.5</td> <td>NMEP COMPUTERS</td> <td>261.454</td> <td>122.834</td> <td>_</td> <td>_</td> <td>_</td> <td>_</td> <td>_</td> <td>384,28</td>	391.5	NMEP COMPUTERS	261.454	122.834	_	_	_	_	_	384,28
392 TRANSPORTATION EQUIPMENT 16,377,347 3,877,560 (2,108,481) - 481,303 -<					_	_	_	_	_	2,44
393 STORES EQUIPMENT 119,406		TRANSPORTATION EQUIPMENT	,	,	(2.108.481)	_	481.303	_	_	18,627,72
334 TOOLS - SHOP & GARAGE EQUIPUI 6,586,159 606,417 - - 28,913 -					(_,,,			_		119,40
335 LABORATORY EQUIPMENT (32) (6) -				606.417	_	_	28.913	_	_	7,221,49
396 POWER OPERATED EQUIPMENT 2,876,634 555,811 (720,480) - 316,493 -					_	_		_	_	(3
396.1 EQUIPMENT 5,857 11,206			• • •		(720,480)		316,493	_		3,028,45
397 GEN PLANT-COMMUNICATION EQU 47,828 6,439 (17,683) - <td< td=""><td></td><td></td><td></td><td></td><td>(0, .00)</td><td></td><td></td><td>_</td><td>_</td><td>17,06</td></td<>					(0, .00)			_	_	17,06
397.1 MOBILE 990,215 391,493			,	,	(17 683)		_	_		36,58
397.2 OTHER THAN MOBILE & TELEMET (45,361) (13,462) - <td< td=""><td></td><td></td><td></td><td></td><td>(11,000)</td><td></td><td>_</td><td></td><td></td><td>1,381,70</td></td<>					(11,000)		_			1,381,70
397.3 TELEMETERING - OTHER 1,313,273 725,664 (53,242) - <td< td=""><td></td><td></td><td>•</td><td>,</td><td>_</td><td></td><td>_</td><td>_</td><td></td><td>(58,82</td></td<>			•	,	_		_	_		(58,82
397.4 TELEMETERING - MICROWAVE 1,055,153 399,152 (61,120) -				· · /			_			1,985,69
397.5 TELEPHONE EQUIPMENT 3352,519 5,350 -					,		_			1,393,18
398 GEN PLANT-MISCELLANEOUS EQU			, ,	,	(01,120)					357,86
398.1 PRINT SHOP 2,795 (410) - <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>				-						
398.2 KITCHEN EQUIPMENT 10,006 2,253 1,52 1,52 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2,38</td>										2,38
398.3 JANITORIAL EQUIPMENT 14,873 1,52* 1,52* NON UTILITY NON UTILITY </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td>12,25</td>							_			12,25
398.4 INSTALLED IN LEASED BUILDINGS 5,393 -			,				_			14,87
398.5 OTHER MISCELLANEOUS EQUIPMENT 66,739 -				_	_		_			5,39
General Plant Subtotal* 85,936,700 20,577,410 (14,595,421) — 826,709 — — — 92 Utility Property Grand Total* 1,474,276,562 111,237,330 (55,288,134) (6,279,119) 870,118 — — 1,524 NON UTILITY Intangible Plant 303.1 COMPUTER SOFWARE 93,273 9,714 (163,357) — — — — — — — — 303.2 CUSTOMER INFORMATION SYSTEM 50,086 5 — … … 1,524 … … … … … … 1,524 … <td< td=""><td></td><td></td><td></td><td>_</td><td>_</td><td></td><td>_</td><td></td><td></td><td>66,73</td></td<>				_	_		_			66,73
NON UTILITY Intangible Plant 303.1 COMPUTER SOFWARE 93,273 9,714 (163,357) — — — — — — 303.2 CUSTOMER INFORMATION SYSTEM 50,086 5 — — — — — — — —	390.5			20,577,410	(14,595,421)		826,709			92,745,39
NON UTILITY Intangible Plant 303.1 COMPUTER SOFWARE 93,273 9,714 (163,357) — — — — — — 303.2 CUSTOMER INFORMATION SYSTEM 50,086 5 — — — — — — — —		Itility Property Grand Total*	1 474 276 562	111 237 320	(55 288 124)	(6 270 110)	870 119			1,524,816,75
ntangible Plant 303.1 COMPUTER SOFWARE 93,273 9,714 (163,357) — — — — — — 303.2 CUSTOMER INFORMATION SYSTEM 50,086 5 — — — — — — — —			1,474,270,302	111,237,330	(33,200,134)	(0,279,119)	070,110			1,524,610,75
303.1 COMPUTER SOFWARE 93,273 9,714 (163,357) — — — — — — — — — — — — — … <th…< th=""> <th…< th=""> …</th…<></th…<>										
303.2 CUSTOMER INFORMATION SYSTEM 50,086 5	-	t								
	303.1	COMPUTER SOFWARE	93,273	9,714	(163,357)	_	_	—	—	(60,36
	303.2	CUSTOMER INFORMATION SYSTEM	50,086	5	_	_	_	_	_	50,09
ייזיא אווען אווען אווע אווע אווע אווע אווע א	Non Utility	Intangible Plant Subtotal*	143,359	9,719	(163,357)	_	_	_	_	(10,27

Period Beginning: January 2022

								Period Ending: I	December 2022
Functional Cl	lass	Beginning			Cost of	Salvage and	Transfers and		Ending
FERC Plant	t Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
NON UTILITY									
Natural Gas L	Jnderground Storage								
352	WELLS	5,104,880	312,986	_	_	_	_	_	5,417,866
352.1	STORAGE LEASEHOLD & RIGHTS	292	16	_	_	_	_	_	308
352.2	RESERVOIRS	1,129,473	59,952	_	_	_	_	_	1,189,425
353	LINES	580,269	53,019	_	_	_	_	_	633,289
354	COMPRESSOR STATION EQUIPMENT	5,115,683	246,714	_	_	_	_	_	5,362,396
355	MEASURING / REGULATING EQUIPM	2,723,663	204,366	_	_	_	_	_	2,928,029
357	OTHER EQUIPMENT	17,147	1,409	_	_	—	—	—	18,555
Non Utility	Natural Gas Underground Storage Subtotal*	14,671,406	878,461	_	_	-	_	_	15,549,867
Transmissior	n Plant								
368	TRANSMISSION COMPRESSOR	3,050,541	164,768	_	_	_	_	_	3,215,308
Non Utility	Transmission Plant Subtotal*	3,050,541	164,768	_	_	_	_	_	3,215,308
Distribution F	Plant								
376.12	MAINS 4" & >	1,365	157	_	_	_	_	_	1,522
Non Utility	Distribution Plant Subtotal*	1,365	157	_	_	_	_	_	1,522
General Plant	t								
389	LAND	_	_	_	_	_	_	_	_
390	STRUCTURES & IMPROVEMENTS	55,496	5,611	_	_	_	_	_	61,106
Non Utility	General Plant Subtotal*	55,496	5,611	_	_	_	_	_	61,106
Non Utility Of	ther								
121.1	NON-UTIL PROP-DOCK	1,947,067	13,752	_	_	_	_	_	1,960,819
121.2	NON-UTIL PROP-LAND	_	_	_	_	_	_	_	_
121.3	NON-UTIL PROP-OIL ST	2,317,342	35,771	_	_	_	_	_	2,353,113
121.7	NON-UTIL PROP-APPL CENTER	56,088	3,854	_	_	_	_	_	59,943
121.8	NON-UTIL PROP-STORAGE	(1)			_		_		(1
Non Utility	Other*	4,320,496	53,377	_	_	_	_	_	4,373,873

Period Beginning: January 2022

Period Endina: December 2022

							Period Ending:	December 2022
Functional Class	Beginning			Cost of	Salvage and	Transfers and		Ending
FERC Plant Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve
TOTAL SUMMARY ALL UTILITY DEPRECIATIO		12/31/2022						
UTILITY		12/01/2022						
145006 (10,385,37	7)							
145009 (16,606,67								
145012 967,45								
145012 (230,02								
145018 (4,758,64								
145021 (81,497,94	,							
145024 1,157,845,03								
145027 23,951,00								
145030 (5,307,06								
145033 (1,645,26	,							
145036 3,713,69								
145039 11,611,46								
169010 6,613,95								
145045 -	_							
260005 421,838,95	4							
260010 2,532,23								
145048 31,84								
145051 (202,00								
145060 97								
SUBTOTAL*	•	1,524,816,758						
ADD:		(00 474 700)						
145003 REMOVAL WORK IN PROCESS 160205 ROU UTIL LEAS ACC DE		(60,174,790)						
145205 FIN UTIL LEAS ACC DE		13,274,179						
145205 FIN OTIL LEA ACC DEP 145060 COST OF REMOVAL		132,879						
		(4 77E 440)						
145063 OR METER/ERT's		(1,775,148)						
TOTAL UTILITY DEPRECIATION*		1,476,273,877	:					
TOTAL SUMMARY ALL NON-UTILITY RESERV	/ES DEPRECIATI	ON						
NON UTILITY								
145405 (124,32	5)							
145410 1,03								
145415 4,582,02								
145420 17,846,56								
145425 (764,39								
260015 1,650,49	,							
TOTAL NON UTILITY DEPRECIATIO		23,191,398.71						
* May not foot due to rounding.			•					
· · · · · · · · · · · · · · · · · · ·								

Name of Respondent	This Report is:	Date of Report	Year of Report	
	(1) 🗵 An Original	(Mo, Da, Yr)		
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022	

SUM	STATE OF OREGON - ALLOCATED SUMMARY OF UTILITY PLANT AND ACCUMULATED PROVISIONS FOR DEPRECIATION, AMORTIZATION AND DEPLETION								
Line	ITEM	TOTAL	ELECTRIC	GAS	OTHER (SPECIFY)	OTHER (SPECIFY)	COMMON		
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)		
1									
2	In Service		1 1						
3	Plant in Service (Classified)		+						
4	Property Under Capital Leases		+						
5	Plant Purchased or Sold								
6	Completed Construction not Classified		N/A - See SI	TUS schedule	at OR 23				
7	Experimental Plant Unclassified								
8	TOTAL (Enter total of lines 3 thru 7)								
9	Leased to Others								
10	Held for Future Use								
11	Construction Work in Progress								
12	Acquisition Adjustments								
13	TOTAL Utility Plant (Enter total of lines 8 thru 12)								
14	Accum. Prov. for Depr., Amort., & Depl.								
15	Net Utility Plant (Line 13 less 14)								
16	DETAIL OF ACCUMULATED PROVISIONS FOR DEPRECIATION, AMORTIZATION AND DEPLETION								
17	In Service:								
18	Depreciation								
19	Amort. and Depl. of Producing Natural Gas Land and Land Rights								
20	Amort. of Underground Storage Land and Land Rights								
21	Amort. of Other Utility Plant								
21.01	Salvage Work In Progress								
21.02	Less Removal Work in Progress								
22	TOTAL in Service (Lines 18 thru 21)								
23	Leased to Others								
24	Depreciation								
25	Amortization and Depletion								
26	TOTAL Leased to Others (Lines 24 and 25)		1 1						
27	Held for Future Use								
28	Depreciation								
29	Amortization								
30	TOTAL Held for Future Use (Lines 28 and 29)								
31	Abandonment of Leases (Natural Gas)								
32	Amort. of Plant Acquisition Adjustment								
33	TOTAL Accumulated Provisions (Should agree with line 14 above) (Lines 22, 26, 30, 31, and 32)								

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF OREGON - ALLOCATED GAS PLANT IN SERVICE

1. Report below the original cost of gas plant in service

2. In addition to Account 101, Gas Plant In Service (Classified), this page and the next include Account 102, Gas Plant Purchased or Sold, Account 103, Completed Construction Not Classified - Gas.

3. Include in column (c) or (d), as appropriate, corrections of additions and retirements for the current or preceding year.

4. Enclose in parentheses credit adjustments of plant accounts to indicate the negative effect of such accounts.

5. Classify Account 106 according to prescribed accounts, on an estimated basis if necessary, and include the entries in column (c). Also to be included in column (c) are entries for reversals of tentative distributions or prior year reported in column (b). Likewise, if the respondent has a significant amount of plant retirements which have not been classified to primary accounts at the end of the year, include in column (d)a tentative distribution of such retirements, on Estimated basis, with appropriate contra entry to the account for accumulated depreciation provision. Include also in column (d) reversals of tentative distributions of prior year unclassified retirements. Attach supplemental statement showing the account distributions of these tentative classifications in column (c) and (d), including the reversals of the prior years tentative account distributions of these amounts. Careful observance of the above instructions and the texts of Accounts 101 and106 will avoid serious omissions of the reported amount of respondent's plant actually in service at the end of the year. (Continued on page 33)

Line	Account	BALANCE BEGINNING OF YEAR	Additions	Retirements	Adjustments	Transfers	BALANCE END OF YEAR
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	1. Intangible Plant	(5)	(0)	(u)	(0)	(1)	(9)
2	301 Organization	-					
3	302 Franchises and Consents						
4	303 Miscellaneous Intangible Plant						
5	TOTAL Intangible Plant						
6	2. Production Plant						
7	Natural Gas Production & Gathering Plant						
8	325.1 Producing Lands						
9	325.2 Producing Leaseholds	N/A - See SIT	US schedu	ule at OR 24 -	27		
10	325.3 Gas Rights						
11	325.4 Rights-of-Way						
12	325.5 Other Land and Land Rights						
13	326 Gas Well Structures						
14	327 Field Compressor Station Structures						
15	328 Field Meas. And Reg. Sta. Structures						
16	329 Other Structures						
17	330 Producing Gas Wells - Well Construction						
18	331 Producing Gas Wells - Well Equipment						
19	332 Field Lines						
20	333 Field Compressor Station Equipment						
21	334 Field Mess. And Reg. Sta. Equipment						
22	335 Drilling and Cleaning Equipment						
23	336 Purification Equipment						
24	337 Other Equipment						
25	338 Unsuccessful Explor. & Devel. Costs						
26	TOTAL Production & Gathering Plant						
27	Products Extraction Plant						
28	340 Land and Land Rights						
29	341 Structures and Improvements						
30	342 Extraction and Refining Equipment						
31	343 Pipe lines						
32	344 Extracted Products Storage Equipment						

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF OREGON - ALLOCATED GAS PLANT IN SERVICE (CONT'D)

6. Show in column (f) reclassifications or transfers within utility plant accounts.Include also in column (f) the additions or reductions of primary account classifications arising from distribution of amounts initially recorded in Account102. In showing the clearance of Account 102, include in column (e) the amounts with respect to accumulated provision for depreciation, acquisition adjustments,etc. and show in column (f) only the offset to the debits or credits distributed in column (f) to primary account classifications.

7. For account 399, state the nature and use of plant included in this account and if substantial amount, submit a supplementary statement showing subaccount classification of such plant conforming to the requirements of these pages.

8. For each amount comprising the reported balance and changes in Account 102, state the property purchased or sold, name of vendor or purchaser, and date of transaction. If proposed journal entries have been filed with the Commission as required by the Uniform System of Accounts, give also date of such filing.

Line	Account	BALANCE BEGINNING OF YEAR	Additions	Retirements	Adjustments	Transfers	BALANCE END OF YEAR
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
110.	2. Production Plant (Con't)	(5)	(0)	(4)	(0)	(י)	(9)
	Products Extraction Plant (Con't)						
33	345 Compressor Equipment						
34	345 Gas Meas. And Reg. Equipment						
35	347 Other Equipment						
36	TOTAL Products Extraction Plant						
37	TOTAL Nat. Gas Production Plant	N/A - See SIT	US schedu	ule at OR 24 -	27		
38	Mfd. Gas Prod. Plant (Submit Suppl. Stmt)						
39	TOTAL Production Plant						
40	3. Natural Gas Storage & Proc. Plant						
41	Underground Storage Plant						
42	350.1 Land						
43	350.2 Rights-of-Way						
44	351 Structures & Improvements						
45	352 Wells						
46	352.1 Storage Leaseholds & Rights						
47	352.2 Reservoirs						
48	352.3 Non-recoverable Natural Gas						
49	353 Lines						
50	354 Compressor Station Equipment						
51	355 Measuring & Reg. Equipment						
52	356 Purification Equipment						
53	357 Other Equipment						
54	TOTAL Underground Storage Plant						
55	Other Storage Plant						
56	360 Land and Land Rights						
57	361 Structures and Improvements						
58	362 Gas Holders						
59	363 Purification Equipment						
60	363.1 Liquefaction Equipment						
61	363.2 Vaporizing Equipment						
62	363.3 Compressor Equipment						
63	363.4 Meas. And Reg. Equipment						
64	363.5 Other Equipment						
65	TOTAL Other Storage Plant						

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

	STATE OF OREGON - ALLO	CATED GAS	PLANT	IN SERVIC	E (CONT'D)	
Line	Account	BALANCE BEGINNING OF YEAR	Additions		Adjustments	Transfers	BALANCE END OF YEAR
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
66	Base Load Liquefied Natural Gas Terminaling and Processing Plant		(0)	(3)	(0)	(1)	(9)
67	364.1 Land and Land Rights						
68	364.2 Structures and Improvements						
69	364.3 LNG Processing Terminal Equipment						
70	364.4 LNG Transportation Equipment						
71	364.5 Measuring and Regulating Equipment	N/A - See SI1	US schedi	ule at OR 24 -	27		
72	364.6 Compressor Station Equipment						
73	364.7 Communications Equipment						
74	364.8 Other Equipment						
75	TOTAL Base Load Liquefied Natural						
76	Gas, Terminaling, & Processing Plant						
77	TOTAL Nat. Gas Storage & Proc. Plant						
78	4. Transmission Plant						
79	365.1 Land and Land Rights						
80	365.2 Rights-of-Way						
81	366 Structures and Improvements						
82	367 Mains						
83	368 Compressor Station Equipment						
84	369 Measuring and Reg. Sta. Equipment						
85	370 Communication Equipment						
86	371 Other Equipment						
87	TOTAL Transmission Plant						
88	5. Distribution Plant						
89	374 Land and Land Rights						
90	375 Structures and Improvements						
91	376 Mains						
92	377 Compressor Station Equipment						
93	378 Meas. And Reg. Sta. Equip General						
94	379 Meas. And Reg. Sta. Equip City Gate						
95	380 Services						
96	381 Meters						
97	382 Meter Installations						
98	383 House Regulators						
99	384 House Reg. installations						
100	385 Industrial Meas. & Reg. Sta. Equip						
101	386 Other Prop. On Customers' premises						
102	387 Other Equipment						
103	TOTAL Distribution Plant						

Name of Respondent	This Report is:	Date of Report	Year of Report
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Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

	STATE OF OREGON - ALLOCATED GAS PLANT IN SERVICE (CONT'D)							
Line		Account	BALANCE BEGINNING OF YEAR	Additions			Transfers	BALANCE END OF YEAR
No.		(a)	(b)	(c)	(d)	(e)	(f)	(g)
104		6. General Plant						
105	389	Land and Land Rights						
106	390	Structures and Improvements						
107	391	Office Furniture and Equipment						
108	392	Transportation Equipment	N/A - See SI	US schedu	ule at OR 24 -	27		
109	393	Store Equipment						
110	394	Tools, Shop, and Garage Equipment						
111	395	Laboratory Equipment						
112	396	Power Operated Equipment						
113	397	Communication Equipment						
114	398	Miscellaneous Equipment						
115		Subtotal						
116	399	Other Intangible Property			_		_	
117		TOTAL General Plant						
118		TOTAL (Accounts 101 and 106)						
119		Gas Plant Purchased (See Instr. 8)						
120		(Less) Gas Plant Sold (See Instr. 8)						
121		Experimental Gas Plant Unclassified						
122		TOTAL Gas Plant In Service						

Name of Respondent	This Report is:	Date of Report	Year of Report
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Northwest Natural Gas Company	(2)		December 31, 2022

STATE OF OREGON - ALLOCATED GAS PLANT HELD FOR FUTURE USE (Account 105)

1. Report separately each property held for future use at end of the year having an original cost of \$100,000 or more. Other items of property held for future use may be grouped provided that the number of properties so grouped is indicated.

2. For property having an original cost of \$100,000 or more previously used in utility operations, now held for future use, give in addition to other required information, the date that utility use of such property was discontinued, and the date the original was transferred to Account 105.

Line	DESCRIPTION AND LOCATION OF PROPERTY	DATE ORIGINALLY INCLUDED IN THIS ACCOUNT	DATE EXPECTED	BALANCE END OF YEAR
No.	(a)	(b)	(C)	(d)
1				
2				
3	N/A Cas SITUS askedula at OR 20			
4 5	N/A - See SITUS schedule at OR 28			
5 6				
0 7				
8				
9				
10				
11				
12				
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15				
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18				
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23				
24				
25				
26				
27				
28				
29				
30	TOTALS			_

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF OREGON - ALLOCATED CONSTRUCTION WORK IN PROGRESS - GAS (Account 107)

1. Report below descriptions and balances at end of year of projects in process of construction (Account 107)

2. Show items relating to "research, development, and demonstration" projects last, under a caption Research, Development, and Demonstration (see Account 107 of the Uniform System of Accounts).

3. Minor projects (less than \$1,000,000) may be grouped.

Q . 1011	ior projects (less than \$1,000,000) may be grouped.		
Line	DESCRIPTION OF PROJECT	CONSTRUCTION WORK IN PROGRESS - GAS (ACCOUNT 107)	ESTMATED ADDITIONAL COST OF PROJECT
No.	(a)	(b)	(c)
1			
2			
3			
4	N/A - See SITUS schedule at OR 29		
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
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27			
28			
29 20		L	
30	TOTALS		

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) D A Resubmission		December 31, 2022

STATE OF OREGON - ALLOCATED ACCUMULATED PROVISION FOR DEPRECIATION OF GAS UTILITY PLANT (Account 108)

1. Explain in a footnote any important adjustments during the year.

2.Explain in a footnote any difference between the amount for book cost of plant retired, line 11, column (c), and that reported for gas plant in service, pages 32-35, column (d)excluding retirements of non-depreciable property.

3. The provisions of Account 108 of the Uniform System of Accounts require that retirements of depreciable plant be recorded when such plant is removed from service. If the respondent has a significant amount of plant retired at year end which has not been recorded and/or classified to the various reserve functional classifications, make preliminary closing entries to tentatively functionalize the book cost of the plant retired. In addition, include all costs included in retirement work in progress at year-end in the appropriate functional classifications.

4. Show separately interest credits under a sinking fund of similar method of depreciation accounting.

	Section A. Balances and Changes During Year							
Line	ITEM	TOTAL (d+d+e)	GAS PLANT IN SERVICE	GAS PLANT HELD FOR FUTURE USE	GAS PLANT LEASED TO OTHERS			
No.	(a)	(b)	(c)	(d)	(e)			
1	Balance Beginning of Year							
2	Depreciation Provisions for Year, Charged to							
3	(403) Depreciation Expense							
4	(413) Exp. Of Gas Plt. Lease to Others							
5	Transportation Expenses - Clearing							
6	Other Clearing Accounts							
7	Other Accounts (Specify):	N/A - See	SITUS schedule	e at OR 30				
8								
9	Total Deprec. Prov. For Year (Enter total of lines 3-8)							
10	Net Charges for Plant Retired:							
11	Book Cost of Plant Retired							
12	Cost of Removal							
13	Salvage (Credit)							
14	TOTAL Net Charges for Plant Ret. (Enter Total of lines 11-13)							
15	Other Debit or Credit Items (Describe):							
16								
17	Balance End of Year (Enter Total of Lines 1,9, 14, 15,& 16)							
	Section B. Balances at End of Year	Accordin	g to Functional	Classifications				
18	Production - Manufactured Gas							
19	Prod. And Gathering - Natural Gas							
20	Products Extraction - Natural Gas							
21	Underground Gas Storage							
22	Other Storage Plant							
23	Base Load LNG Term and Proc. Plt.							
24	Transmission							
25	Distribution							
26	General							
27	TOTAL (Total of Lines 18 thru 26)							

Name of Respondent	This Report is:	Date of Report	Year of Report
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Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF OREGON - GAS STORED (Account 117, 164.1, 164.2 and 164.3)

1. Report below the information called for concerning inventories of gas stored.

2. The Uniform System of Accounts provides that inventory cost records be maintained on a consolidated basis for all storage projects with separate records showing the Mcf of inputs and withdrawals and balance for each project, except under certain specified circumstances. If the respondent's inventory cost records are not maintained on a consolidated basis for all storage projects, furnish an explanation of the accounting followed and reason for any deviation from the general basis provided by the Uniform System of Accounts. Separate schedules on this schedule form should be furnished for each group of storage projects for which separate inventory cost records are maintained.

3. If during the year adjustment was made of the stored gas inventory, such as to correct for cumulative inaccuracies of gas measurements, furnish an explanation of the reason for the adjustment, the Mcf and dollar amount of adjustment and account charged or credited.

4. Give a concise statement of the facts and the accounting performed with respect to any encroachment of withdrawals during the year, or restoration of previous encroachment, upon native gas constituting the "gas cushion" of any storage reservoir.

5. If the respondent uses a "base stock" in connection with its inventory accounting, give a concise statement of the basis of establishing such "base stock" and the inventory basis and the accounting performed with respect to any encroachment of withdrawals upon "base stock", or restoration of previous encroachment, including brief particulars of any such accounting during the year.

6. If respondent has provided accumulated provision for stored gas which may not eventually be fully recovered from any storage project furnish a statement showing: (a) date of Commission authorization of such accumulated provision (b) explanation of circumstances requiring such provision (c) basis of provision and factors of calculation (d) estimated ultimate accumulated provision accumulation (e) a summary showing balance of accumulated provision and entries during year.

7. Pressure base of gas volumes reported in this schedule is 14.73 psia at 60° F.

Line	Description	Non Current (Account 117)	Current (Account 164.1)	LNG (Account 164.1)	LNG (Account 164.2)	Total
No.	(a)		(r toobunit 104.17) (c)	(d)		(i)
1	(a) Balance at Beginning of Year	(b)	(C)	(u)	(e)	(i)
2	Gas Delivered to Storage					
3	Contra Account					
4	Gas Withdrawn from Storage					
5	Contra Account	SEE FERC AN	NUAL REPORT			
6	Other Debits and Credits	PAG	E 220			
7	(Explain					
8	Balance at End of Year					
9	Dekatherms					
10	Amount Per Dekatherm					
11						
12	Balance at End of Year					
13	MCF					
14	Amount per Mcf					
15	State basis of segregation of inventory between	current and noncu	rrent portions.			
16						
17	Gas delivered to storage:					
18	Mcf					
19	Amount per Mcf					
20	Cost basis of gas delivered to storage:					
21	Specify: Own production (give production a					
22	uniform system of accounts); average syste					
23 24	specific purchases (state which purchases).					
24 25	Does cost of gas delivered to storage include any for use of respondent's transmission, sto					
23 26	facilities? If so, give particulars and date					
20	approval of the accounting.	01 00111111331011				
28	approval of the accounting.					
29	Gas withdrawn from storage:					
30	Mcf					
31	Amount per Mcf					
32	Cost basis of withdrawals:					
33	Specify: average cost, lifo, fifo. (Expla	in any change in				
34	inventory basis during year and give da	te of Commission	;			
35	approval of the change or approval of a	in inventory basis				
36	different from that referred to in uniform	system of accour	nts)			

Name of Respondent	This Report is:	Date of Report	Year of Report
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Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF OREGON - GAS PURCHASES (Accounts 800, 801, 802, 803, 804.1 and 805)

1. Report particulars of gas purchases during the year in the manner prescribed below. (Code numbers to be used in reporting for Columns (d), (e) and (f) will be supplied by the Commission.)

2. Provide subheadings and totals for prescribed accounts as follows

- 800 Natural Gas Well Head Purchases
- 801 Natural Gas Field Line Purchases
- 802 Natural Gas Gasoline Plant Outlet Purchases
- 803 Natural gas Transmission Line Purchases
- 804 Natural Gas City Gate Purchases
- 804.1 Liquefied natural Gas Purchases
- 805 Other gas Purchases

Purchases are to be reported in account number sequence, e.g. all purchases charged to Account 800, followed by charges to Account 801, etc. Under each account number, purchases should be reported by states in alphabetical order. Totals are to be shown for each account in Columns (k) and (l)and should agree with the books of accounts, or any differences reconciled.

3. Purchases may be reported by gas purchase contract totals (at the option of the respondent) where one contract includes two or more FERC producer rate schedules or small producer certificates, provided that the same price is being paid for all gas purchased under the contract. If two or more prices are in effect under the same contract, separate details for each price shall be reported. The name, and FERC rate schedule or small producer certificate docket number of each seller included in the contract total shall be listed on separate sheets, clearly cross-referenced. Where two or more prices are in effect, the sellers at each price are to be listed separately.

4. Purchases of less than 100,000 MCF per year per contract from sellers not affiliated with the reporting company may (at the option of the respondent) be grouped by account number, except when the purchases were permanently discontinued during the reporting year. When grouped purchases are reported, the number of grouped purchases is to be reported in Column (a). Only Columns (a), (k), (l), and (m) are to be completed for grouped purchases; however, the Commission may request additional details when necessary. Grouped non-jurisdictional purchases should be shown on a separate line.

5. Column instructions are as follows:

<u>Columns (a) and (d)</u> - In reporting the names of sellers under FERC rate schedules, use the names as they appear on the filed rate schedules. Abbreviations may be used where necessary. The code number to be used is the Commission assigned number.

<u>Column (b)</u> - Give the name of the producing field only for purchases at the wellhead or from field lines. The plant name should be given for purchases from gasoline plant outlets. If purchases under a contract are from more than one field or plant, use the name of the one contributing the largest volume.Use a footnote to list the other fields or plants involved.

<u>Column (c)</u> - State the net rate in cents per MCF as of December 31 for the reported year, applicable to the volume shown in Column (k). The net rate includes all applicable deductions and downward adjustments. The rate is effective if filed pursuant to applicable statues and regulations and (as to FERC rates schedules) permitted by the commission to become effective.

<u>Columns (e) and (f)</u> - General Services Administration location code designations are to be used to designate the state and county where the gas is received. Where gas is received in more than one county, use the code designation for the county having the largest volume, and by footnote list the other countries involved.

Column (g) - List the assigned commission rate schedule number or small producer certificate docket number. Use the designation "NF" in Column (g) to indicate non-jurisdictional purchases.

<u>Column (h)</u> - In some cases, two or more lines will be required to report a purchase, as when two or more rates are being paid under the same contract, or when purchases under the same rate schedule are charged to more than one account. If for such reasons the producer rate schedule or non-jurisdictional purchase contract appears on more than one line, enter a numerical code (selected by the respondent) in Column (h) to so indicate. Once established, the same numerical suffix is to be used for all subsequent-year reporting of the purchase. If the purchase was permanently discontinued during the reporting year, so indicate by an asterisk (*) in column (h). Column (h) is to be used also, to enter any Commission assigned letter rate schedule suffix (e.g. R.S. No. 22A).

<u>Column (i)</u> - Show date of the gas purchase contract. If gas is purchased under a renegotiated contract show the dates of the original and renegotiated contracts on the following line in brackets. If new acreage is dedicated by ratification of an existing contract, show the date of the ratification, rather than the date of the original contract. If gas is being sold from a different reservoir than the original dedicated acreage pursuant to Section 2.56 (f) (2) of the Commission's Rules of Practice and Procedure, place the letter "A" after the contract date.

Column (j) - Show, for each purchase, the approximate BTU per cubic foot, determined in accordance with the definition in item No. 7 of the General Instructions for FERC Form 2.

<u>Column (k)</u> - State the volume of purchased gas as finally measured for purpose of determining the amount payable for the gas. Include current year receipts of make-up gas that was paid for in prior years.

Column (I) - State the dollar amount (omit cents)paid and previously paid for the volumes of gas shown in Column (k).

Column (m) - State the average cost per MCF to the nearest hundredth of a cent. (Column (I) divided by Column (k) multiplied by 100).

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Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🛛 A Resubmission		December 31, 2022

	STATE OF OREGON - GAS PURCHASES (Account 800, 801, 802, 803, 804, 804.1 and 805) (Con't)							
Line	NAME OF SELLER (DESIGNATE ASSOCIATED COMPANIES)	NAME OF PRODUCING FIELD OR GASOLINE PLANT	NET RATE EFFECTIVE DECMEBER 31					
No.	(a)	(b)	(c)					
1								
2								
3								
4								
5								
6		SEE FERC ANNUAL REPORT						
7		PAGE 520						
8								
9								
10								
11								
12								
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19								
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21								
22								
23								
24 25								
25 26								
26 27								
27								
20 29								
29 30								

Name of Respondent	This Report is:	Date of Report	Year of Report
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Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

Line	SELLAR CODE	STATE CODE	COUNTRY CODE	RATE SC No.	HEDULE Suffix	DATE OF CONTRACT	APPROX BTU PER CU FEET	GAS PURCHASED - MCF (14.73 PSIA 60°F)	COST OF GAS	COST PER MCF (CENTS)
No.	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(I)	(m)
1										
2										
3										
4										
5										
6										
7				SEE		NNUAL RE	PORT			
8					PA	GE 520				
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21 22										
22										
23 24										
24										
26										
27										
28										
29										
30										

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2)		December 31, 2022

STATE OF OREGON - GAS USED IN UTILITY OPERATIONS - CREDIT (Accounts 810, 811 and 812)

1. Report below particulars of credits during the year to Accounts 810, 811 and 812, which offset charges to operating expenses or other accounts for the cost of gas from the respondent's own supply.

2. Natural gas means either natural gas unmixed, or any mixture of natural and manufactured gas.

3. If the reported MCF for any use is an estimated quantity, state such fact.

4. If any natural gas was used by the respondent for which charge was not made to the appropriate operating expenses or other account, list separately in column (c) the MCF of gas so used, omitting entries in columns (d) and (e).

5. Pressure base of measurement, to be reported in columns (c) and (f) is 14.73 psia at 60° F.

			NATURAL GAS			MANUFACTU	RED GAS
Line	PURPOSE FOR WHICH GAS WAS USED	ACCOUNT CHARGED	Dth OF GAS USED (14.73 PSIA AT 60° F)	AMOUNT OF CREDIT	AMOUNT PER Dth (CENTS)	MCF OF GAS USED (14.73 PSIA AT 60° F)	AMOUNT OF CREDIT
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	810 Gas used for Compressor Station Fuel - Credit		_	_		N/A	N/A
2	811 Gas used for Products Extraction - Credit			—	_	N/A	N/A
3	(a) Gas shrinkage & other usage in respondent's own processing		_	_		N/A	N/A
4	(b) Gas shrinkage, etc. for respondent's gas processed by others		_	-		N/A	N/A
5	812 Gas used for Other Utility Operations - Credit		722,378	297,259	0.41	N/A	N/A
6	(Report separately for each principal use, Group minor uses.)					N/A	N/A
7	System - All Districts		278,827	297,259			
8	LNG Plants		165,038	0*			
9	Underground Storage Compressors		278,513	0*			
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25	TOTAL		722,378	297,259	0.41		
* Inclu	uded in the Cost of Inventory						

Name of Respondent	This Report is:	Date of Report	Year of Report
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Northwest Natural Gas Company	(2) 🛛 A Resubmission		December 31, 2022

STATE OF OREGON - GAS ACCOUNT - NATURAL GAS

1. The purpose of this schedule is to account for the quantity of natural gas received and delivered by the respondent, taking into consideration differences in pressure bases used in measuring Mcf of natural gas received and delivered.

2. Natural gas means either natural gas unmixed or any mixture of natural and manufactured gas.

3. Enter in column (c) the Dth as reported in the schedules indicated for the items of receipts and deliveries.

4. In a footnote report the volumes of gas from respondent's own production delivered to respondent's transmission system and included in natural gas sales.

5. If the respondent operates two or more systems which are not interconnected, separate schedules should be submitted. Insert pages for this purpose.

	·F		
Line	ITEM	REF. PAGE NO.	Amount of Dth
No.	(a)	(b)	(c)
1	GAS RECEIVED		
2	Natural Gas Produced		—
3	LPG Gas Produced and Mixed with Natural Gas		_
4	Manufactured Gas Produced and Mixed with Natural Gas		_
5	Purchased Gas		
6	(a.) Wellhead		
7	(b.) Field Lines		17,447
8	(c.) Gasoline Plants		
9	(d.) Transmission Line		
10	(e.) City Gate Under FERC Rate Schedules		79,651,518
11	(f.) LNG		
12	(g.) Other		
13	TOTAL, Gas Purchased (Enter Total of lines 7 thru 13)		79,668,965
14	Gas of Others Received for Transportation		36,169,725
15	Receipts of Respondents' Gas Transported or Compressed by Others		
16	Exchange Gas Received		
17	Gas Withdrawn from Underground Storage	*	8,880,256
18	Gas Received from LNG Storage		820,837
19	Gas Received from LNG Processing		
20	Other Receipts (Specify): Off System Storage Withdrawal		
21	TOTAL Receipts (Enter Total of lines 2 thru 5, 13, and 14 thru 20)		125,539,783
* This	amount does not tie to system page 512 as it only includes Oregon storage sites		

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Line	ITEM	REF. PAGE NO.	Amount of Dth
No.	(a)	(b)	(c)
	GAS DELIVERED		
22	Natural Gas Sales		
23	a. Field Sales		
24	(i) To Interstate Pipeline Companies for Resale pursuant to		-
25	FERC Rate Schedules		-
26	(ii) Retail Industrial Sales		
27	(iii) Other Field Sales		
28	TOTAL, Field Sales		
29	b. Transmission System Sales		
30	(i) To Interstate Pipeline Co. for Resale Under FERC Rate Schedules		-
31	(ii) To Interstate Pipeline Co. and Gas Utilities for resale under		-
32	FERC Rate Schedules		-
33	(iii) Mainline Industrial Sales Under FERC Certification		-
34	(iv) Other Mainline Industrial Sales		-
35	(v) Other Transmission System Sales		-
36	TOTAL, Transmission System Sales		-
37	c. Local Distribution by Respondent		
38	(i) Retail Industrial Sales		9,963,1
39	(ii) Other Distribution System Sales		68,797,64
40	TOTAL, Distribution System Sales		78,760,79
41	d. Interdepartmental sales		-
42	e. Unbilled Therms		(685,80
43	TOTAL SALES		78,074,99
44	Deliveries of Gas Transported or Compressed for:		
45	(a.) Other Interstate Pipeline Companies		-
46	(b.) Others - Transportation		36,169,72
47	TOTAL, Gas Transported or Compressed for Others		36,169,72
48	Deliveries of Respondent's Gas for Trans. or Compression by Others		-
49	Exchange Gas Delivered		-
50	Natural Gas Used by Respondent		722,3
51	Natural Gas Delivered to Underground Storage	*	9,304,1 ²
52	Natural Gas Delivered to LNG Storage		850,22
53	Natural Gas Delivered to LNG Processing		-
54	Natural Gas for Franchise Requirements		-
55	Other Deliveries (Specify): FIK		-
56	TOTAL SALES & OTHER DELIVERIES		125,121,43
	UNACCOUNTED FOR GAS		
57	Production System Losses		-
58	Storage Losses: Mist Gas Loss		
59	Transmission System Losses		
60	Distribution System Losses		418,34
61	Other Losses (Leakage)		· · · · · · · · · · · · · · · · · · ·
62	TOTAL Unaccounted for		418,34
63	TOTAL SALES, OTHER DELIVERIES, AND UNACCOUNTED FOR		125,539,78

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF OREGON - MISCELLANEOUS GENERAL EXPENSES (Account 930.2)							
	Report below the information called for concerning items included in miscellaneous general expenses.						
Line	ITEMS	TOTAL	AMOUNT APPLICABLE TO STATE OF OREGON	AMOUNT APPLICABLE TO OTHER STATES			
No.	(a)	(b)	(c)	(d)			
	SEE FERC ANNUAL REPORT PAGE 335						

Name of Respondent	This Report is:	Date of Report	Year of Report		
	(1) 🗵 An Original	(Mo, Da, Yr)			
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022		
ST	ATE OF OREGON - POLITICAL ADVERTIS	SING			
1. List all payments for advertising, the purpose of which is to aid or defeat any measure before the people or to promote or prevent the enactment of any national, state, district or municipal legislation.					
2. Give the specific purpose of such advertising, when and where placed, and the account or accounts charged.					
3. Report whole dollars only. Provide a tota	al for each account and a grand total.				

Line No.	DESCRIPTION	ACCOUNT CHARGED	AMOUNT (d)
	(a)	(b)	(u)
	NONE		

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF OREGON - POLITICAL CONTRIBUTIONS

1. List all payments for advertising, the purpose of which is to aid or defeat any measure before the people or to promote or prevent the enactment of any national, state, district or municipal legislation.

2. The purpose of all contributions or payments should be clearly explained

3. Report whole dollars only. Provide a total for each account and a grand total.

Line	DESCRIPTION	ACCOUNT CHARGED	AMOUNT
No.	(a)	(b)	(c)
1	SYSTEM INTERNAL LOBBY AND INTERNAL RESOURCES	10896	96,907
2	Total 10896	Total	96,907
3			
4	NATURAL GAS POLITICAL	10897	302,601
5	SYSTEM INTERNAL LOBBY AND INTERNAL RESOURCES	10897	289,625
6	Total 10897	Total	592,226
7			
8	SYSTEM INTERNAL LOBBY AND INTERNAL RESOURCES	10898	38,129
9	Total 10898	Total	38,129
10			
11	NATURAL GAS POLITICAL	10911	110,000
12	Total 10911	Total	110,000
13			
14			
15		Total	837,262

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🛛 A Resubmission		December 31, 2022

STATE OF OREGON - EXPENDITURES TO ANY PERSON OR ORGANIZATION HAVING AN AFFILIATED INTEREST FOR SERVICES, ETC.

1. Report all expenditures to any person or organization having an affiliated interest for service, advice, auditing, associating, sponsoring, engineering, managing, operating, financial, legal or other services. See Oregon Revised Statute 757.015 for definition of "affiliated interest."

2. Give reference if such expenditures have in the past been approved by the Commission. Describe the services received and the account or accounts charged. Report whole dollars only.

		ACCOUNT	TOTAL	AMOUNT ASSIGNED
Line	DESCRIPTION	NUMBER	AMOUNT	AMOUNT ASSIGNED TO OREGON
No.	(a)	(b)	(d)	(d)
1	The required affiliated interest expenditure information for 2022 will be provided in NW Natural's FY 2022 annual affiliated interest report that will be filed with the commission near the same time as this filing.			
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Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF OREGON - DONATIONS AND MEMBERSHIPS List all donations and membership expenditures made by the utility during the year and the accounts charged. Give the name, city, and state 1. of each organization to whom a donation has been made. Group donations under headings such as: a. Contributions to and memberships in charitable organizations. b. Organizations of the utility industry. c. Technical and professional organizations. d. Commercial and trade organizations. e. All other organizations and kinds of donations and contributions. 2. List donations by type and group by the accounts charged. Report whole dollars only. Provide a total for each group of donations. TOTAL AMOUNT ASSIGNED DESCRIPTION ACCOUNT NUMBER TO OREGON AMOUNT l ine No. (a)(b)(c)(d)1 All donations listed below are contributions to charitable organizations 2 UNITED WAY 606400 60,000 60,000 OREGON COMMUNITY FOUNDATION 50,167 50,167 3 606400 4 ADELANTE MUJERES 606400 40,000 40,000 STORE TO DOOR 5 606400 40,000 40.000 6 ASIAN HEALTH SERVICE CENTER 606400 35.000 35.000 7 GROWING GARDENS 606400 35.000 35,000 8 BONNEVILLE ENVIRONMENTAL FOUNDATION 606400 30,200 30,200 OREGON STATE UNIVERSITY FOUNDATION 15,000 9 606400 15,000 10 LIFEWORKS NW 606400 12,810 12,810 11 OREGON FOOD BANK INC 606400 11,080 11,080 12 BRIDGE MEADOWS 606400 10.840 10.840 13 URBAN GLEANERS 606400 10,500 10,500 10,000 14 AMERICAN GAS FOUNDATION 606400 10,000 10,000 15 FUND FOR PORTLAND PUBLIC SCHOOLS 606400 10,000 16 LITERARY ARTS INC 606400 10,000 10,000 17 P EAR 606400 10.000 10.000 PORTLAND COMMUNITY COLLEGE FOUNDATION INC 18 606400 10,000 10,000 IRCO 8,544 19 606400 8,544 20 UNITED WAY OF THE COLUMBIA- WILLAMETTE 606400 8,277 8,277 21 THE NATURE CONSERVANCY IN OREGON 606400 8,020 8,020 22 LATINO NETWORK 606400 7.923 7.923 23 CASA FOR CHILDREN INC 606400 7,801 7,801 7,563 7,563 24 KAIROSPDX 606400 25 NORTHWEST HOUSING ALTERNATIVES INC 606400 7,500 7,500 7,500 26 YOUTH VILLAGES OF OREGON 606400 7,500 27 COUNCIL FOR THE HOMELESS 606400 6,000 28 BLACK UNITED FUND OF OREGON INC 606400 5,803 5,803 5,750 29 MARCH OF DIMES - OREGON 606400 5.750 30 CLASSROOM LAW PROJECT 606400 5,720 5,720 31 OREGON PUBLIC BROADCASTING 606400 5,680 5,680 5,600 32 OUTSIDE IN 606400 5,600 33 THE FRESHWATER TRUST 606400 5,415 5,415 606400 5,200 34 BASIC RIGHTS EDUCATION FUND 5,200 LIBRARY FOUNDATION INC SERVING THE PEOPLE OF 35 MULTNOMAH COUNTY 606400 5,180 5,180 36 THE FOREST PARK CONSERVANCY 606400 5,180 5,180 37 OREGON STATE PARKS FOUNDATION 606400 5,126 5,126 38 PORTLAND PARKS FOUNDATION 606400 5,125 5,125 PORTLAND HOMELESS FAMILY SOLUTIONS 5,079 5,079 39 606400 40 OREGON MAYOR'S ASSOCIATION 606400 5.050 5.050

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

Line	DESCRIPTION			AMOUNT ASSIGNED TO OREGON
No.		(b) 606400	(C)	(d)
41 42			5,010	5,010
42		606400 606400	5,000	5,000
43		606400	5,000	5,000
	BEAVERTON EDUCATION FOUNDATION	606400	5,000	5,000
45 46	BOYS GIRLS CLUB OF SALEM MARION POLK COUNTIES INC	606400	5,000	5,000
40		606400	5,000	5,000
47	CHILDRENS PUBLIC PRIVATE PARTNERSHIP	606400	5,000 5,000	5,000
40		606400	,	5,000
49 50	ARTHUR D. CURTIS CHILDREN'S JUSTICE		5,000	
	CLARK COUNTY VOCATIONAL SKILLS CENTER FOUNDATION	606400	5,000	
51	COLLEGE POSSIBLE - OREGON	606400	5,000	5,000
52		606400	5,000	5,000
53	GUIDE DOGS FOR THE BLIND INC	606400	5,000	5,000
54		606400	5,000	5,000
55	IUOE LOCAL 701 SOLIDARITY FUND INC	606400	5,000	5,000
56	OREGON BUSINESS & INDUSTRY	606400	5,000	5,000
57	OREGON MUSEUM OF SCIENCE AND INDUSTRY	606400	5,000	5,000
58		606400	5,000	5,000
59	THE PARKS AND RECREATION FOUNDATION OF VANCOUVER AND CLARK COUNTY	606400	5,000	_
60	A VILLAGE FOR ONE	606400	4,515	4,515
61	AGROS INTERNATIONAL	606400	4,254	4,254
62	OREGON CAPITOL FOUNDATION	606400	4,100	4,100
63	LINES FOR LIFE	606400	3,760	3,760
64	NATIVE AMERICAN YOUTH AND FAMILY CENTER	606400	3,703	3,703
65	JANUS YOUTH PROGRAMS INC	606400	3,540	3,540
66	AMERICAN LEADERSHIP FORUM OF OREGON	606400	3,500	3,500
67	HEAT OREGON	606400	3,500	3,500
68	OREGON LIBRARY ASSOCIATION INC	606400	3,500	3,500
69	REACH COMMUNITY DEVELOPMENT INC	606400	3,500	3,500
70	TOGETHER WE ARE GREATER THAN	606400	3,500	3,500
71	URBAN LEAGUE OF PORTLAND	606400	3,240	3,240
72	COMMUNITY CYCLING CENTER	606400	3.040	3,040
73	BLANCHET HOUSE OF HOSPITALITY	606400	3,010	3,010
74	BRADLEY ANGLE	606400	3,000	3,000
75	CLARK COMMUNITY COLLEGE DISTRICT 14 FOUNDATION	606400	3,000	
76	CLARK COUNTY FOOD BANK	606400	3,000	
77	COLUMBIA PACIFIC ECONOMIC DEVELOPMENT	606400	3,000	3,000
78	COMMUNITY FOUNDATION FOR SOUTHWEST WASHINGTON	606400	3,000	
79	COMMUNITY PARTNERS FOR AFFORDABLE HOUSING	606400	3,000	3,000
80	FAMILY BUILDING BLOCKS INC	606400	3,000	3,000
81	FRIENDS OF THE CHILDREN-PORTLAND	606400	3,000	3,000
82	LOWER COLUMBIA ESTUARY PARTNERSHIP	606400	3,000	3,000
83	THE CHILDRENS BOOK BANK	606400	2,915	2,915
84	HARPERS PLAYGROUND	606400	2,902	2,902
85	SOLVE	606400	2,752	2,752
86	LGBTQ COMMUNITY CENTER FUND	606400	2,702	2,702
87	CLACKAMAS COMMUNITY COLLEGE FOUNDATION	606400	2,640	2,640
88	BROWN HOPE	606400	2,600	2,600
89	STREET ROOTS	606400	2,532	2,532

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2)		December 31, 2022

Line	DESCRIPTION	ACCOUNT NUMBER	TOTAL AMOUNT	AMOUNT ASSIGNED TO OREGON
No.	(a)	(b)	(c)	(d)
90	ACHIEVEMENT REWARDS FOR COLLEGE SCIENTISTS FOUNDATION INC OREGON	606400	2,500	2,500
91	BIENESTAR INC	606400	2,500	2,500
92	CASA OF LANE COUNTY	606400	2,500	2,500
93	CENTRO CULTURAL DE CONDADO DE WASHINGTON COUNTY	606400	2,500	2,500
94	CONSTRUCTING HOPE PRE- APPRENTICESHIP PROGRAM	606400	2,500	2,500
95	FRENCH AMERICAN INTERNATIONAL SCHOOL	606400	2,500	2,500
96	FRIENDLY HOUSE INC	606400	2,500	2,500
97	FRIENDS OF ZENGER FARM	606400	2,500	2,500
98	GLEANERS OF CLACKAMAS COUNTY INCORPORATED	606400	2,500	2,500
99	HILLSBORO COMMUNITY FOUNDATION INC	606400	2,500	2,500
100		606400	2,500	2,500
101	MT SCOTT PARK CENTER FOR LEARNING INC	606400	2,500	2,500
102	NEIGHBORHOOD PARTNERSHIPS INC	606400	2,500	2,500
102	OREGON COAST AQUARIUM INC	606400	2,500	2,500
104	PLAYWORKS EDUCATION ENERGIZED	606400	2,500	2,500
105	READING RESULTS	606400	2,500	2,500
100	REGIONAL ARTS & CULTURE COUNCIL	606400	2,500	2,500
107	SERENDIPITY CENTER INC	606400	2,500	2,500
107	SOCIAL VENTURE PARTNERS PORTLAND	606400	2,500	2,500
100	UNITED NEGRO COLLEGE FUND INC	606400	2,500	2,500
110	VOLUNTEERS OF AMERICA INC	606400	2,500	2,500
111	WILLAMETTE UNIVERSITY	606400	2,500	2,500
112	WILLIAM TEMPLE HOUSE	606400	2,500	2,500
112	YAKONA NATURE PRESERVE	606400	2,500	2,500
114	YWCA OF GREATER PORTLAND	606400	2,500	2,500
115	UNITED WAY OF THE COLUMBIA-WILLAMET	606400	2,300	2,300
116	MEALS ON WHEELS PEOPLE INC	606400	2,400	2,245
117	VITAL GROUND FOUNDATION INC	606400	2,240	2,100
118	HABITAT FOR HUMANITY PORTLAND METRO EAST	606400	2,030	2,030
119	MID-COLUMBIA COMMUNITY ACTION COUNCIL INC	606400	2,000	2,000
120	OLD MILL CENTER FOR CHILDREN & FAMILY	606400	2,000	2,000
121	YOUNG MENS CHRISTIAN ASSOCIATION OF EUGENE	606400	2,000	2,000
122 123	Add: Donations Less than \$2k	606400	91,123	86,483
123	TOTAL DONATIONS	606400	899,740	865,100
124	TOTAL DONATIONS	606400	099,740	000,100
125				
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130 131				
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Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) x An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) o A Resubmission		December 31, 2022

State of Oregon - Officers' Salaries 1. Report below the name, title and salary for each executive officer whose salary is \$50,000 or more. An "executive officer" of a respondent includes its president, secretary, treasurer, and vice president in charge of a principal business unit, division or function (such as sales, administration, or finance), and any other person who performs similar policy-making functions. 2. If a change was made during the year in the incumbent of any position, show name and total remuneration of the previous incumbent and date change in incumbency was made. 3. Utilities which are required to file similar data with the Securities and Exchange Commission, may substitute a copy of Item 4, Regulation S-K, identified as this schedule page. The substituted page(s) should be conformed to the size of this page. SALARY FOR YEAR Line Title Name of Officer Total Oregon No. (a) (b) (c) (d) See the salary information for 2022 excerpted from the Summary Compensation Table on page 52 of the 2022 Northwest Natural Holding Company Proxy (Item 4, Regulation S-K requirement) filed on April 13, 2023 below. NAME AND PRINCIPAL POSITION TOTAL SALARY 1 David H. Anderson President and Chief Executive Officer \$795,833 2 Frank H. Burkhartsmeyer Senior Vice President and Chief Financial Officer \$512,167 3 MardiLyn Saathoff Senior Vice President, Regulation and General Counsel \$427,167 4 Kimberly A. Heiting, Senior Vice President, Operations and Chief Marketing Officer \$381,000 5 Justin Palfreyman, Vice President, Strategy and Business Development Officer \$359,500

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

STATE OF OREGON - DONATIONS OR PAYMENTS FOR SERVICES RENDERED BY PERSONS OTHER THAN EMPLOYEES AND CHARGED TO OREGON OPERATING ACCOUNTS

1. Report for each service rendered (including materials furnished incidental to the service which are impracticable of (separation)by recipient and in total the aggregate of all payments made during the year where the aggregate of such payments to a recipient was \$25,000 or more including fees, retainers, commissions, gifts, contributions, assessments, bonuses, subscriptions, allowances for expenses or any other form of payments for services, traffic settlements, amounts paid for construction or maintenance of plant to persons other than affiliates to any one corporation, institution, association, firm partnership, committee, or person (not an employee of the respondent). Indicate by an asterisk in column (c) each item that includes payments for materials furnished incidental to the services performed. Payments to a recipient by two or more companies within a single system under a cost sharing or other joint arrangement shall be considered a single item for reporting in this schedule and shall be shown in the report of the principal company in the joint arrangement(as measured by gross operating revenues) with references thereto in the reports of the other system companies in the joint arrangement.

2. If more convenient, this schedule may be filled out for a group of companies considered as one system and shown only in the report of the principal company in the system, with references thereto in the reports of the other companies.

Line	NAME OF RECIPENT	NATURE OF SERVICE	AMOUNT OF PAYMENT
No.	(a)	(b)	(c)
	SEE FERC ANNUAL REPORT		
	PAGE 357		

Name of Respondent	This Report is:		Date of Report	Year of Report
	(1) 🗵 An Original		(Mo, Da, Yr)	
lorthwest Natural Gas Company	(2)		, , ,	December 31, 20
In order to help us with p	production of our Oregon l	Utility Statistics publi	cation, please indi	cate:
Orener Dreduction Statistics (T heorem ()			
Oregon Production Statistics (Therms)			
Gas Produced				
Gas Purchased		796,689,650		
Total Receipts		796,689,650		
		797 607 090		
Gas Sales		787,607,980		
Gas Used by Company	N 1 <i>i</i>	7,223,780		
Gas Delivered to LNG and Sto	srage - Net	4,532,470		
Losses & billing Delay		(2,674,580)		
Total Disbursements		796,689,650		
Oregon Revenue by Service C	Class			
Residential	\$	491,142,036		
Commercial & Industrial	Ŷ	401,142,000		
Firm		271,839,058		
Interruptible		34,500,526		
Transportation		18,133,472		
		19,430,730		
Gas Storage Services Total	·	835,045,822		
Iotai		000,040,022		
Gas Sold in Therms (Oregon)				
Residential		419,239,719		
Commercial & Industrial				
Firm		295,949,223		
Interruptible		65,561,014		
Transportation		361,697,252		
Total		1,142,447,208		
Average Number of Oregon C	ustomers			
Residential		632,471		
Commercial & Industrial		002,471		
Firm		62,249		
		110		
Interruptible				
Transportation		282		
Total		695,112		

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

Distribution of Salaries and Wages

Oregon Jurisdiction

Report below the distribution of total salaries and wages for the year. Segregate amounts originally charged to clearing accounts to Utility Departments, Construction, Plant Removals 'and Other Accounts, and enter such amounts in the appropriate lines and columns provided. Salaries and wages billed to the Respondent by an affiliated company must be assigned to the particular operating function(s) relating to the expenses.

In determining this segregation of salaries and wages originally charged to clearing accounts, a method of approximation giving substantially correct results may be used. When 'reporting detail of other accounts, enter as many rows as necessary numbered sequentially starting with 75.01, 75.02, etc.

	5.02, etc.			1 1	
Line No.	Classification (a)	Direct Payroll Distribution (b)	Payroll Billed by Affiliated Companies (c)	Allocation of Payroll Charged for Clearing Accounts (d)	Total (e)
1	Electric		(-)		()
2	Operation				
3	Production				
4	Transmission				
5	Distribution		I SEE FERC ANNUAL RE	PORT	
6	Customer Accounts		PAGES 354-355		
7	Customer Service and Informational				
8	Sales				
9	Administrative and General				
10	TOTAL Operation (Total of lines 3 thru 9)				
10	Maintenance				
12	Production				
13	Transmission				
10	Distribution				
15	Administrative and General				
16	TOTAL Maintenance (Total of lines 12 thru 15)				
17	Total Operation and Maintenance				
18	Production (Total of lines 3 and 12)				
10	Transmission (Total of lines 4 and 13)				
20	Distribution (Total of lines 5 and 14)				
21	Customer Accounts (line 6)				
22	Customer Service and Informational (line 7)				
23	Sales (line 8)				
24	Administrative and General (Total of lines 9 and 15)				
25	TOTAL Operation and Maintenance (Total of lines 18 thru 24)				
26	Gas				
27	Operation				
28	Production - Manufactured Gas				
29	Production - Natural Gas(Including Exploration and Development)				
30	Other Gas Supply				
31	Storage, LNG Terminaling and Processing				
32	Transmission				
33	Distribution				
34	Customer Accounts				
35	Customer Service and Informational				
36	Sales				
37	Administrative and General				
38	TOTAL Operation (Total of lines 28 thru 37)				
39	Maintenance				
40	Production - Manufactured Gas				

Name o	of Respondent	This Report is:			Date of Report	Year of Report	
		(1) 🗵 An Original	1) 🗵 An Original		(Mo, Da, Yr)		
Northwe	est Natural Gas Company	(2) 🛛 A Resubmis	sion			December 31, 202	
				<u>г</u>			
41	Production - Natural Gas(Inclu Development)	Iding Exploration and					
42	Other Gas Supply						
43	Storage, LNG Terminaling and	Processing					
44	Transmission	Ŭ					
45	Distribution						
46	Administrative and General						
47	TOTAL Maintenance (Total of	lines 40 thru 46)					
48	Gas (Continued)						
49	Total Operation and Maintena	nce					
50	Production - Manufactured Ga and 40)	is (Total of lines 28					
51	Production - Natural Gas (Incl Dev.)(II. 29 and 41)	uding Expl. and		SEE FERC AN	NUAL REPORT		
52	Other Gas Supply (Total of line	es 30 and 42)		PAGES	354-355		
53	Storage, LNG Terminaling and II. 31 and 43)	Processing (Total of					
54	Transmission (Total of lines 32	2 and 44)					
55	Distribution (Total of lines 33 a	ind 45)					
56	Customer Accounts (Total of li	ne 34)					
57	Customer Service and Informa	ational (Total of line 35)					
58	Sales (Total of line 36)						
59	Administrative and General (T	otal of lines 37 and 46)					
60	Total Operation and Maintenau thru 59)	nce (Total of lines 50					
61	Other Utility Departments				<u> </u>	<u> </u>	
62	Operation and Maintenance						
63	TOTAL ALL Utility Dept. (Total 62)	of lines 25, 60, and					
64	Utility Plant						
65	Construction (By Utility Depart	tments)					
66	Electric Plant						
67	Gas Plant						
68	Other						
69	TOTAL Construction (Total of I	, ,					
70	Plant Removal (By Utility Depa	artments)					
71	Electric Plant						
72	Gas Plant						
73	Other						
74	TOTAL Plant Removal (Total c	of lines 71 thru 73)					
75 76							
	TOTAL Other Accounts			1			

NORTHWEST NATURAL GAS COMPANY

Washington Supplement to FERC Form 2

December 31, 2022

Name of I	Respondent	This Report is:	Date of Report	Year of Report	
		(1) 🗵 An Original	(Mo, Da, Yr)		
Northwest	t Natural Gas Company	(2)		December 31, 2022	
		ANNUAL REPORT			
	W	ANNUAL REPORT ASHINGTON SUPPLEMENT TO FERC FC	RM 2		
	•••	for			
		MULTI-STATE GAS COMPANIES			
		MOLTI-STATE GAS COMPANIES			
		INDEX			
PAGE		TITLE	NC	DTES	
1	Statistics		WA Data only		
N/A	Statement of Income for the Year		No WA breakout - see FERC pages 114 - 116		
200 - 201	- 201 Summary of Utility Plant		WA Data only		
204 - 209	Gas Plant in Service		WA Data only		
216	CWIP WA Data only		WA Data only	ly	
N/A	Construction Overheads No WA breakout - see FERC page		FERC pages 218 - 21		
219	Accumulated Provision for Depr	eciation of Gas Utility Plant	WA Data only		
N/A	Gas Stored		No WA breakout - see	FERC page 220	
N/A	Reconciliation-Reported Net Inc	ome with Taxable Income for Federal Income Taxes	No WA breakout - see	FERC page 261	
N/A	Accumulated Deferred Income	Faxes, Account 283	No WA breakout - see	FERC pages 276 - 27	
300 - 301	Gas Operating Revenues		WA Data only		
308	Other Gas Revenues		WA Data only		
N/A	Gas Operation and Maintenanc	e Expenses	No WA breakout - see	FERC pages 317 - 32	
N/A	Miscellaneous General Expense	9	No WA breakout - see	FERC page 335	
336 - 337	Depreciation, Depletion and Am	ortization of Gas Plant	WA Data only (same a	as page 219)	
N/A	Income Deductions and Interest	Charges	No WA breakout - see	FERC page 340	
N/A	Regulatory Commission Expense	ses	No WA breakout - see	FERC pages 350 - 35	
N/A	Distribution of Salaries and Wag	jes	No WA breakout - see	FERC pages 354 - 35	
N/A	Charges for Outside Profession	al and Other Consultative Services	No WA breakout - see	FERC page 357	
520	Gas Account - Natural Gas		WA Data only		
526	Salaries by Class		No WA breakout - full	company data provide	

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

	DATA REQUEST FOR STATISTICS REPORT						
Line		Total Company	y Operations	Washington	Operations		
No.	Title of Account	Current Year	Current Year Prior Year		Prior Year		
1	GAS SERVICE REVENUES						
2							
3	RESIDENTIAL SALES	565,498,676	475,564,148	72,984,915	56,618,874		
4	COMMERCIAL SALES	274,305,839	210,800,871	29,695,251	22,125,843		
5	INDUSTRIAL SALES	62,028,530	44,800,200	3,770,393	2,851,275		
6	OTHER SALES			—	_		
7	SALES FOR RESALE			_	_		
8	TRANSPORTATION OF GAS OF OTHERS	39,952,854	38,904,245	2,388,654	2,270,233		
9	OTHER OPERATING REVENUES	30,787,606	33,214,966	(3,377,463)	(1,804,162)		
10							
11	TOTAL GAS SERVICE REVENUES	972,573,505	803,284,430	105,461,750	82,062,063		
12							
13	THERMS OF GAS SOLD-TRANSPORTED						
14							
15	RESIDENTIAL SALES	484,256,507	433,621,025	59,400,889	52,824,726		
16	COMMERCIAL SALES	290,088,621	251,163,318	26,967,787	23,568,264		
17	INDUSTRIAL SALES	104,315,751	90,515,570	4,684,218	4,371,725		
18	OTHER SALES (UNBILLED)	(7,625,046)	18,602,609	(767,015)	2,485,488		
19	SALES FOR RESALE						
20	TRANSPORTATION OF GAS OF OTHERS	381,300,739	390,871,096	19,603,487	19,410,301		
21							
22	TOTAL THERMS OF GAS SOLD-TRANSPORTED	1,252,336,572	1,184,773,618	109,889,366	102,660,504		
23							
24	AVERAGE NUMBER OF GAS CUSTOMERS PER MONTH						
25							
26	RESIDENTIAL SALES	720,418	710,748	87,948	84,969		
27	COMMERCIAL SALES	68,789	68,614	7,139	7,314		
28	INDUSTRIAL SALES	763	763	54	53		
29	OTHER SALES						
30	SALES FOR RESALE						
31	TRANSPORTATION OF GAS OF OTHERS	312	317	29	29		
32							
33							
34	TRANS. & DISTRN. MAINS - FEET (END OF YEAR)	79,625,568	79,127,054	10,661,427	10,568,040		
35	NO. OF METERS IN SERV. & HELD IN RESERVE (AVE.)	875,805	863,977	95,973	92,971		
36	AVERAGE B.T.U. CONTENT PER CU. FT.	1,081.0	1,069.2	1,076.4	1,062.9		

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🛛 A Resubmission		December 31, 2022

SUN	IMARY OF UTILITY PLANT AND ACCUMULATED PROVISIONS FOR DEPRECIATION, A AND DEPLETION	MORTIZATION
Line	Item	Total
No.	(a)	(b)
1	UTILITY PLANT	
2	In Service	
3	Plant in Service (Classified)	262,535,404
4	Property Under Capital Leases	
5	Plant Purchased or Sold	
6	Completed Construction not Classified	121,060,659
7	Experimental Plant Unclassified	
8	TOTAL Utility Plant (Total of lines 3 thru 7)	383,596,063
9	Leased to Others	
10	Held for Future Use	
11	Construction Work in Progress	1,111,891
12	Acquisition Adjustments	
13	TOTAL Utility Plant (Total of lines 8 thru 12)	384,707,954
14	Accumulated Provisions for Depreciation, Amortization, & Depletion	140,049,844
15	Net Utility Plant (Enter Total of line 13 less 14)	244,658,110
16	DETAIL OF ACCUMULATED PROVISIONS FOR DEPRECIATION, AMORTIZATION AND DEPLETION	
17	In Service:	
18	Depreciation	144,728,379
19	Amortization and Depl. of Producing Natural Gas Land and Land Rights	
20	Amortization. of Underground Storage Land and Land Rights	
21	Amortization. of Other Utility Plant	1,910,865
22	Salvage Work In Progress	
23	Less Removal Work In Progress	6,589,400
24	TOTAL In Service (Total of lines 18 thru 22 less line 23)	140,049,844
25	Leased to Others	
26	Depreciation	_
27	Amortization and Depletion	_
28	TOTAL Leased to Others (Total of lines 26 and 27)	_
29	Held for Future Use	
30	Depreciation	_
31	Amortization	_
32	TOTAL Held for Future Use (Total of lines 30 and 31)	
33	Abandonment of Leases (Natural Gas)	_
34	Amortization of Plant Acquisition Adjustment	
35	TOTAL Accumulated Provisions (Should agree with line 14 above) (Total of lines 24, 28, 32, 33, and 34)	140,049,844

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

SUMMARY OF UTILITY PLANT AND ACCUMULATED PROVISIONS FOR DEPRECIATION, AMORTIZATION AND DEPLETION (Continued)							
Electric	Gas	Other (Specify)	Common	Line			
(c)	(d)	(e)	(f)	No.			
				1			
				2			
	262,535,404			3			
				4			
				5			
	121,060,659			6			
				7			
	383,596,063			8			
				9			
				10			
	1,111,891			11			
				12			
	384,707,954			13			
	140,049,844			14			
	244,658,110			15			
				16			
				17			
	144,728,379			18			
				19			
				20			
	1,910,865			21			
				22			
	6,589,400			23			
	140,049,844			24			
				25			
	—			26			
	_			27			
	—			28			
				29			
				30			
				31			
				32			
	—			33			
				34			
	140,049,844			35			

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

Gas Plant in Service (Accounts 101, 102, 103, and 106)

1. Report below the original cost of gas plant in service according to the prescribed accounts.

2. In addition to Account 101, Gas Plant in Service (Classified), this page and the next include Account 102, Gas Plant Purchased or Sold, Account 103, Experimental Gas Plant Unclassified, and Account 106, Completed Construction Not Classified-Gas.

3. Include in column (c) and (d), as appropriate corrections of additions and retirements for the current or preceding year.

4. Enclose in parenthesis credit adjustments of plant accounts to indicate the negative effect of such accounts.

5. Classify Account 106 according to prescribed accounts, on an estimated basis if necessary, and include the entries in column (c). Also to be included in column (c) are entries for reversals of tentative distributions of prior year reported in column (b). Likewise, if the respondent has a significant amount of plant retirements which have not been classified to primary accounts at the end of the year, include in column (d) a tentative distribution of such retirements, on an estimated basis, with appropriate contra entry to the account for accumulated depreciation provision. Include also in column (d) reversals of tentative distributions of prior year's unclassified retirements. Attach supplemental statement showing the account distributions of these tentative classifications in columns (c) and (d), including the reversals of the prior years tentative account distributions of these amounts. Careful observance of the above instructions and the texts of Account 101 and 106 will avoid serious omissions of respondent's reported amount for plant actually in service at end of year.

6. Show in column (f) reclassifications or transfers within utility plant accounts. Include also in column (f) the additions or reductions of primary account classifications arising from distribution of amounts initially recorded in Account 102. In showing the clearance of Account 102, include in column (e) the amounts with respect to accumulated provision for depreciation, acquisition adjustments, etc., and show in column (f) only the offset to the debits or credits to primary account classifications.

7. For Account 399, state the nature and use of plant included in this account and if substantial in amount submit a supplementary statement showing subaccount classification of such plant conforming to the requirements of these pages.

8. For each amount comprising the reported balance and changes in Account 102, state the property purchased or sold, name of vendor or purchaser, and date of transaction. If proposed journal entries have been filed with the Commission as required by the Uniform System of Accounts, give date of such filing.

SEE FOLLOWING PAGES

ACCOUNT SUMMARY BY FUNCTIONAL CLASS

NW Natural

			NW Natural					
						Period Beginning:	January 2022	
Functiona		Beginning				Period Ending:	December 2022 Ending	
	lant Account	Balance	Additions	Retirements	Transfers	Adjustments	Balance*	
UTILITY		Balance	Additions	Retrements	Tunorero	Adjustitionis	Balanoe	
Intangible	Plant							
301	ORGANIZATION	322	_	_	_	_	322	
302	FRANCHISES & CONSENTS	125	_	_	_	_	125	
303.1	COMPUTER SOFTWARE	92,339	_	_	_	_	92,339	
303.2	CUSTOMER INFORMATION SYSTEM	1,859,863	_	_	_	_	1,859,863	
303.3	INDUSTRIAL & COMMERCIAL BIL	_	_	_	_	_	_	
303.4	CRMS	_	_	_	_	_	_	
303.5	POWERPLANT SOFTWARE	_	_	_	_	_	_	
	Intangible Plant Subtotal*	1,952,649	_	_	_	_	1,952,649	
Transmiss	sion Plant							
367	MAINS	3,291,600	613,222	_	_	_	3,904,822	
	Transmission Plant Subtotal*	3,291,600	613,222	_	_	_	3,904,822	
Distributio	on Plant							
374.1	LAND	10,389	_	_	_	_	10,389	
374.2	LAND RIGHTS	27,679	_	_	_	_	27,679	
375	STRUCTURES & IMPROVEMENTS	1,387,008	_	_	_	_	1,387,008	
376.11	MAINS < 4"	95,655,925	4,172,022	(28,965)	_	_	99,798,98 [,]	
376.12	MAINS 4" & >	115,802,997	2,977,106	(15,555)	_	_	118,764,548	
378	MEASURING & REG EQUIP - GENER	6,974,600	989,684	_	_	—	7,964,284	
379	MEASURING & REG EQUIP - GATE	2,486,597	187,718	_	_	—	2,674,31	
380	SERVICES	94,167,230	4,685,087	(152,399)	_	—	98,699,918	
381	METERS	13,630,409	57,245	(309,404)	_	—	13,378,250	
381.2	ERT (ENCODER RECEIVER TRANS	7,139,813	(8,917)	(568,401)	_	—	6,562,49	
382	METER INSTALLATIONS	6,169,872	209,527	(197,097)	_	—	6,182,302	
382.2	ERT INSTALLATION (ENCODER	871,169	(1,781)	(14,616)	_	_	854,772	
383	HOUSE REGULATORS	147,333	_	_	_	_	147,333	
386	OTHER PROPERTY ON CUSTOMERS P	_	_	_	_	_	-	
387.2	CALORIMETERS @ GATE STATIONS	26,630					26,630	
	Distribution Plant Subtotal*	344,497,651	13,267,691	(1,286,438)	_	_	356,478,905	

* May not foot due to rounding.

ACCOUNT SUMMARY BY FUNCTIONAL CLASS

NW Natural

						Period Beginning: Period Ending:	January 2022 December 2022
Functional	Class	Beginning				r enoù Enuing.	Ending
FERC Pla	ant Account	Balance	Additions	Retirements	Transfers	Adjustments	Balance*
UTILITY							
General Pla	ant						
389	LAND	1,158,650	_	_	_	_	1,158,650
390	STRUCTURES & IMPROVEMENTS	10,908,190	6,273,475	(703,592)	_	_	17,181,665
390.1	SOURCE CONTROL PLANT	794,667	19,913	_	_	_	814,581
391.1	OFFICE FURNITURE & EQUIPMEN	515,516	_	_	_	_	515,516
391.4	CUSTOMER INFORMATION SYSTEM	_	_	_	_	_	_
392	TRANSPORTATION EQUIPMENT	390,264	_	(4,421)	_	_	385,843
394	TOOLS - SHOP AND GARAGE EQUIPMENT	173,291	_	_	_	_	173,291
396	POWER OPERATED EQUIPMENT	89,026	_	(10,441)	_	_	78,585
397.1	MOBILE	416,139	—	_	_	_	416,139
397.3	TELEMETERING - OTHER	372,866	157,826	_	_	_	530,692
397.5	TELEPHONE EQUIPMENT	_	—	_	_	_	_
398.4	INSTALLED IN LEASED BUILDINGS	4,727	_	_	_	_	4,727
	General Plant Subtotal*	14,823,336	6,451,214	(14,863)	-	—	21,259,687
	Washington Utility Property Grand Total*	364,565,236	20,332,127	(1,301,300)	_		383,596,063

* May not foot due to rounding.

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

1. Report below descriptions and balances at end of year of projects in process of construction (Account 107)

2. Show items relating to "research, development, and demonstration" projects last, under a caption Research, Development, and Demonstration (see Account 107 of the Uniform System of Accounts).

3. Minor projects (less than \$1,000,000) may be grouped.

Line	Description of Project	Construction Work in Progress - Gas (Account 107)	Estimated Additional Cost of Project
No.	(a)	(b)	(c)
1	Mains and Services Jobs	1,111,891	1,735,71
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
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18			
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22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35	Total	1,111,891	1,735,71

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

Accumulated Provision for Depreciation of Gas Utility Plant (Account 108)

1. Explain in a footnote any important adjustments during year.

2. Explain in a footnote any difference between the amount for book cost of plant retired, line 10, column (c), and that reported for gas plant in service, page 204-209, column (d), excluding retirements of nondepreciable property.

3. The provisions of Account 108 in the Uniform System of Accounts require that retirements of depreciable plant be recorded when such plant is removed from service. If the respondent has a significant amount of plant retired at year end which has not been recorded and/or classified to the various reserve functional classifications, make preliminary closing entries to tentatively functionalize the book cost of the plant retired. In addition, include all costs included in retirement work in progress at year end in the appropriate functional classifications.

4. Show separately interest credits under a sinking fund or similar method of depreciation accounting.

5. At lines 7 and 14, add rows as necessary to report all data. Additional rows should be numbered in sequence, e.g., 7.01, 7.02, etc.

SEE FOLLOWING PAGES

RESERVE BALANCES AND ACTIVITY BY FUNCTIONAL CLASS NW NATURAL

								Period Beginning: Period Ending:	January 2022 December 2022
Function	al Class	Beginning			Cost of	Salvage and	Transfers and		Ending
FERC I	Plant Account	Reserve	Provision	Retirements	Removal	Credits	Adjustments	Loss/(Gain)	Reserve*
UTILITY									
Intangibl	le Plant								
301	ORGANIZATION	_	—	_	_	_	_	-	_
302	FRANCHISES & CONSENTS	_	—	—	_	_	_	_	_
303.1	COMPUTER SOFTWARE	16,531	6,313	—	_	_	_	-	22,845
303.2	CUSTOMER INFORMATION SYSTEM	1,863,073	31	—	_	_	_	-	1,863,104
303.3	INDUSTRIAL & COMMERCIAL BIL	—	—	—	_	_	_	-	—
303.4	CRMS	—	—	—	_	_	_	-	—
303.5	POWERPLANT SOFTWARE	_	_	_		_	_	_	_
	Intangible Plant Subtotal*	1,879,604	6,344	_	_	_	-	—	1,885,948
Transmi	ssion Plant								
367	MAINS	251,404	71,476	_	_	_	_	_	322,881
	Transmission Plant Subtotal*	251,404	71,476	_	—	_	_	_	322,881
Distribut	ion Plant								
374.1	LAND	—	—	—	_	_	_	-	—
374.2	LAND RIGHTS	24,780	137	_	_	_	_	_	24,917
375	STRUCTURES & IMPROVEMENTS	102,865	25,143	_	_	_	_	_	128,008
376.11	MAINS < 4"	46,672,313	2,474,548	(28,965)	(74,912)	_	_	_	49,042,984
376.12	MAINS 4" & >	36,437,454	2,741,992	(15,555)	(289,240)	_	_	_	38,874,651
378	MEASURING & REG EQUIP - GENER	1,202,342	264,144	_	_	_	_	_	1,466,486
379	MEASURING & REG EQUIP - GATE	939,989	58,160	_	_	_	_	_	998,149
380	SERVICES	41,696,971	2,808,370	(152,399)	(188,373)	_	_	-	44,164,569
381	METERS	2,747,633	330,606	(309,404)	_	_	_	-	2,768,835
381.2	ERT (ENCODER RECEIVER TRANS	4,926,485	391,930	(568,401)	_	_	_	_	4,750,014
382	METER INSTALLATIONS	768,924	285,975	(197,097)	_	_	_	_	857,802
382.2	ERT INSTALLATION (ENCODER	769,817	32,369	(14,616)	_	_	_	_	787,570
383	HOUSE REGULATORS	26,020	4,184	(, 510)	_	_	_	_	30,204
386	OTHER PROPERTY ON CUSTOMERS P		.,	_	_	_	_	_	
387.2	CALORIMETERS @ GATE STATIONS	26,630	_	_	_	_	_	_	26,630
	Distribution Plant Subtotal*	136,342,226	9,417,556	(1,286,438)	(552,524)	_	_	_	143,920,820

* May not foot due to rounding.

RESERVE BALANCES AND ACTIVITY BY FUNCTIONAL CLASS NW NATURAL

								Period Beginning:	January 2022
								Period Ending:	December 2022
Functional	Class	Beginning			Cost of	Salvage and	Transfers and		Ending
FERC Pla	nt Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
UTILITY								· · ·	
General Pla	nt								
389	LAND	_	_	_	_	_	_	_	_
390	STRUCTURES & IMPROVEMENTS	(349,160)	272,376	_	_	_	_	_	(76,783
390.1	SOURCE CONTROL PLANT	211,310	16,974	_	_	_	_	_	228,284
391.1	OFFICE FURNITURE & EQUIPMEN	43,280	25,776	_	_	_	_	_	69,056
391.4	CUSTOMER INFORMATION SYSTEM	_	_	_	_	_	_	_	_
392	TRANSPORTATION EQUIPMENT	342,173	28,507	(4,421)	_	_	_	_	366,259
394	TOOLS AND EQUIPMENT	67,248	8,626	_	_	_	_	_	75,874
396	POWER OPERATED EQUIPMENT	5,577	3,520	(10,441)	_	_	_	_	(1,344
397.1	MOBILE	7,647	15,758	_	_	_	_	_	23,404
397.3	TELEMETERING - OTHER	39,660	24,009	_	_	_	_	_	63,669
397.5	TELEPHONE EQUIPMENT	_	_	_	_	_	_	_	
398.4	INSTALLED IN LEASED BUILDINGS	4,727	_	_	_	_	_	_	4,727
	General Plant Subtotal	372,463	395,546	(14,863)	_	_	_	_	753,147
	 Washington Utility Property Grand Total*	138,845,697	9,890,923	(1,301,300)	(552,524)	_	_		146,882,795
TOTAL SU				(1,301,300)	(552,524)				146,882,795
	— Washington Utility Property Grand Total [*] — JMMARY ALL UTILITY DEPRECIATION RESE		9,890,923 12/31/2022	(1,301,300)	(552,524)		_		146,882,795
UTILITY		RVES		(1,301,300)	(552,524)				146,882,795
UTILITY 145021		RVES (2,520,555)		(1,301,300)	(552,524)				146,882,795
UTILITY 145021 145024		RVES (2,520,555) 107,342,704		(1,301,300)	(552,524)				146,882,795
UTILITY 145021 145024 145027		RVES (2,520,555) 107,342,704 353,957		(1,301,300)	(552,524)				146,882,795
UTILITY 145021 145024 145027 145030		RVES (2,520,555) 107,342,704		(1,301,300)	(552,524)				146,882,795
UTILITY 145021 145024 145027	-	RVES (2,520,555) 107,342,704 353,957		(1,301,300)	(552,524)				146,882,795
UTILITY 145021 145024 145027 145030	-	RVES (2,520,555) 107,342,704 353,957		(1,301,300)	(552,524)		_		146,882,795
UTILITY 145021 145024 145027 145030 145033	-	RVES (2,520,555) 107,342,704 353,957 (12,303) —		(1,301,300)	(552,524)		_		146,882,795
UTILITY 145021 145024 145027 145030 145033 145036	-	RVES (2,520,555) 107,342,704 353,957 (12,303) – (1,344)		(1,301,300)	(552,524)				146,882,795
UTILITY 145021 145024 145027 145030 145033 145036	JMMARY ALL UTILITY DEPRECIATION RESE	RVES (2,520,555) 107,342,704 353,957 (12,303) – (1,344)	12/31/2022	(1,301,300)	(552,524)			_	146,882,795
UTILITY 145021 145024 145027 145030 145033 145036 260005	JMMARY ALL UTILITY DEPRECIATION RESE	RVES (2,520,555) 107,342,704 353,957 (12,303) – (1,344)	12/31/2022 146,882,796		(552,524)			_	146,882,795
UTILITY 145021 145024 145027 145030 145033 145036 260005	JMMARY ALL UTILITY DEPRECIATION RESE	RVES (2,520,555) 107,342,704 353,957 (12,303) – (1,344)	12/31/2022		(552,524)			_	146,882,795

* May not foot due to rounding.

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Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

GAS OPERATING REVENUES (Account 400) 1. Report below natural gas operating revenues for each prescribed account total. The amounts must be consistent with the detailed data on succeeding pages. 2. Revenues in columns (b) and (c) include transition costs from upstream pipelines. 3. Other Revenues in columns (f) and (g) include reservation charges received by the pipeline plus usage charges, less revenues reflected in columns (b) through (e). Include in columns (f) and (g) revenues for Accounts 480 - 495 Revenues for Revenues for Transition Costs Transition Costs Revenues for Revenues for and Take-or-Pay and Take-or-Pay GRI and ACA GRI and ACA Amount for Amount for Amount for Amount for Line Title of Account Current Year **Previous Year Current Year Previous Year** No. (d) (a) (b) (c) (e) 1 480 Residential Sales 2 481 Commercial and Industrial Sales 482 Other Sales to Public Authorities 3 4 483 Sales for Resale 5 484 Interdepartmental Sales 6 485 Intracompany Transfers 7 487 Forfeited Discounts 8 488 Miscellaneous Service Revenues 489.1 Revenues from Transportation of Gas of Others 9 **Through Gathering Facilities** 489.2 Revenues from Transportation of Gas of Others 10 Through Transmission Facilities 489.3 Revenues from Transportation of Gas of Others 11 Through Distribution Facilities 12 489.4 Revenues from Storing Gas of Others 13 490 Sales of Prod. Ext. from Natural Gas 14 491 Revenues from Natural Gas Proc. by 15 492 Incidental Gasoline and Oil Sales 16 493 Rent from Gas Property 17 494 Interdepartmental Rents 18 495 Other Gas Revenues 19 Subtotal: 20 496 (Less) Provision for Rate Refunds TOTAL: 21

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🛛 A Resubmission		December 31, 2022

GAS OPERATING REVENUES (Account 400) (Continued)

4. If increases or decreases from previous year are not derived from previously reported figures, explain any inconsistencies in a footnote.

5. On Page 108, include information on major changes during the year, new service, and important rate increases or decreases.

6. Report the revenue from transportation services that are bundled with storage services as transportation service revenue.

Other Revenues	Other Revenues	Total Operating Revenues	Total Operating Revenues	Dekatherm of Natural Gas	Dekatherm of Natural Gas	
Amount for Current Year	Amount for Previous Year	Amount for Current Year	Amount for Previous Year	Amount for Current Year	Amount for Previous Year	Line
(f)	(g)	(h)	(i)	(j)	(k)	No.
72,984,915	56,618,874	72,984,915	56,618,874	5,885,312	5,453,995	1
33,465,644	24,977,118	33,465,644	24,977,118	3,143,276	2,871,026	2
	_		_		_	3
	_		_		_	4
	_		_		_	5
	_		_			6
94,184	91,185	94,184	91,185			7
56,170	39,235	56,170	39,235			8
	_	_	_		_	9
	_	_	_		_	10
2,388,654	2,270,233	2,388,654	2,270,233	1,960,349	1,941,030	11
	_				_	12
	_					13
	_					14
	_					15
	_		_			16
		_	_			17
(3,527,817)	(1,934,582)	(3,527,817)	(1,934,582)			18
105,461,750	82,062,063	105,461,750	82,062,063			19
_	_	_	_			20
105,461,750	82,062,063	105,461,750	82,062,063			21

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) D A Resubmission		December 31, 2022

OTHER GAS REVENUES (ACCOUNT 495)

Report	haless transportions of \$250,000 or more included in Account 405, Other Cas Devenues. One we all transportions ha	
amoun	below transactions of \$250,000 or more included in Account 495, Other Gas Revenues. Group all transactions be t and provide the number of items.	low \$250,000 in one
Line	Description of Transaction	Amount
No.	(a)	(b)
1	Washington Amortizations	(724,691)
2	Unbilled Revenue	1,112,039
3	Washington GREAT Program	(258,454)
4	Washington Energy Efficiency Deferrals	(3,693,453)
5	Other Miscellaneous Items (Misc Gas Revenues - 2 items)	36,742
6		
7		
8		
9		
10		
11		
12		
13		
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28		
29		
30	Total	(3,527,817)

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Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🗆 A Resubmission		December 31, 2022

Depreciation, Depletion and Amortization of Gas Plant (Accts 403, 404.1, 404.2, 404.3, 405) (Except Amortization of Acquisition Adjustments)

1. Report in Section A the amounts of depreciation expense, depletion and amortization for the accounts indicated and classified according to the plant functional groups shown.

2. Report in Section B, column (b) all depreciable or amortizable plant balances to which rates are applied and show a composite total. (If more desirable, report by plant account, subaccount or functional classifications other than those pre-printed in column (a). Indicate in a footnote the manner in which column (b) balances are obtained. If average balances are used, state the method of averaging used. For column (c) report available information for each plant functional classification listed in column (a). If composite depreciation accounting is used, report available information called for in columns (b) and (c) on this basis. Where the unit-of-production method is used to determine depreciation charges, show in a footnote any revisions made to estimated gas reserves.

3. If provisions for depreciation were made during the year in addition to depreciation provided by application of reported rates, state in a footnote the amounts and nature of the provisions and the plant items to which related.

See following pages

RESERVE BALANCES AND ACTIVITY BY FUNCTIONAL CLASS NW NATURAL

			NVV	NATURAL					
								Period Beginning:	January 2022
Function		Devineire			Coot of	Caluana and	Turneferre en d	Period Ending:	December 202
		Beginning			Cost of	Salvage and	Transfers and		Ending
	Plant Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
UTILITY									
Intangibl	e Plant								
301	ORGANIZATION	_	_	_	_	_	_	_	_
302	FRANCHISES & CONSENTS	_	_	_	_	_	_	_	_
303.1	COMPUTER SOFTWARE	16,531	6,313	_	_	_	_	_	22,84
303.2	CUSTOMER INFORMATION SYSTEM	1,863,073	31	_	_	_	_	_	1,863,104
303.3	INDUSTRIAL & COMMERCIAL BIL	-	—	—	—	—	—	-	-
303.4	CRMS	_	_	—	_	—	_	_	_
303.5	POWERPLANT SOFTWARE	—	_	—	_	—	_	_	
	Intangible Plant Subtotal*	1,879,604	6,344	-		—	_	_	1,885,948
Transmis	ssion Plant								
367	MAINS	251,404	71,476	_	_	_	_	_	322,881
	Transmission Plant Subtotal*	251,404	71,476	_		_	_	_	322,881
Distribut	ion Plant								
374.1	LAND	_	_	_	_	_	_	_	_
374.2	LAND RIGHTS	24,780	137	_	_	_	_	_	24,917
375	STRUCTURES & IMPROVEMENTS	102,865	25,143	_	_	_	_	_	128,008
376.11	MAINS < 4"	46,672,313.31	2,474,548	(28,965)	(74,912)	_	_	_	49,042,984
376.12	MAINS 4" & >	36,437,454.03	2,741,992	(15,555)			_	_	38,874,651
378	MEASURING & REG EQUIP - GENER	1,202,342.1	264,144	_	_	_	_	_	1,466,486
379	MEASURING & REG EQUIP - GATE	939,989	58,160	_	_	_	_	_	998,149
380	SERVICES	41,696,971.26	2,808,370	(152,399)	(188,373)		_	_	44,164,569
381	METERS	2,747,633	330,606	(309,404)	_	_	_	_	2,768,835
381.2	ERT (ENCODER RECEIVER TRANS	4,926,485	391,930	(568,401)	_	_	_	_	4,750,014
382	METER INSTALLATIONS	768,924	285,975	(197,097)			_		857,802
382.2	ERT INSTALLATION (ENCODER	769,817	32,369	(14,616)			_		787,570
383	HOUSE REGULATORS	26,020	4,184	(14,010)	_	_	_	_	30,204
386	OTHER PROPERTY ON CUSTOMERS P		-,104	_	_	_	_	_	
									~~~~~
387.2	CALORIMETERS @ GATE STATIONS	26,630		_	_	_	_	—	26,630

* May not foot due to rounding.

#### RESERVE BALANCES AND ACTIVITY BY FUNCTIONAL CLASS NW NATURAL

								Period Beginning: Period Ending:	January 202 December 202
Functiona	al Class	Beginning			Cost of	Salvage and	Transfers and		Ending
FERC P	lant Account	Reserve	Provision	Retirements	Removal	Other Credits	Adjustments	Loss/(Gain)	Reserve*
UTILITY									
General P	Plant								
389	LAND	_	_	_	_	_	_	_	_
390	STRUCTURES & IMPROVEMENTS	(349,160)	272,376	_	_	_	_	_	(76,78
390.1	SOURCE CONTROL PLANT	211,310	16,974	_	_	_	_	_	228,28
391.1	OFFICE FURNITURE & EQUIPMEN	43,280	25,776	_	_	_	_	_	69,05
391.4	CUSTOMER INFORMATION SYSTEM	_	_	_	_	_	_	_	-
392	TRANSPORTATION EQUIPMENT	342,173	28,507	(4,421)	_	_	_	_	366,259
394	TOOLS AND EQUIPMENT	67,248	8,626	_	_	_	_	_	75,874
396	POWER OPERATED EQUIPMENT	5,577	3,520	(10,441)	_	_	_	_	(1,344
397.1	MOBILE	7,647	15,758	_	_	_	_	_	23,404
397.3	TELEMETERING - OTHER	39,660	24,009	_	_	_	_	_	63,669
397.5	TELEPHONE EQUIPMENT	_		_	_		_		_
398.4	INSTALLED IN LEASED BUILDINGS	4,727	_	_	_	_	_	_	4,727
	General Plant Subtotal	372,463	395,546	(14,863)	_	_	_	_	753,147
	- Washington Utility Property Grand Total*	138,845,697	0.000.000	(4.004.000)	(550.504)				
		130,043,097	9,890,923	(1,301,300)	(552,524)				146,882,79
	SUMMARY ALL UTILITY DEPRECIATION RE		9,890,923 12/31/2022	(1,301,300)	(552,524)				146,882,79
UTILITY	SUMMARY ALL UTILITY DEPRECIATION RE	SERVES		(1,301,300)	(552,524)				146,882,79
	SUMMARY ALL UTILITY DEPRECIATION RE			(1,301,300)	(552,524)				146,882,79
UTILITY	SUMMARY ALL UTILITY DEPRECIATION RE	SERVES		(1,301,300)	(552,524)				146,882,79
UTILITY 145021	SUMMARY ALL UTILITY DEPRECIATION RE	SERVES (2,520,555)		(1,301,300)	(552,524)				146,882,79
UTILITY 145021 145024	SUMMARY ALL UTILITY DEPRECIATION RE	SERVES (2,520,555) 107,342,704		(1,301,300)	(552,524)				146,882,79
UTILITY 145021 145024 145027 145030	SUMMARY ALL UTILITY DEPRECIATION RE	SERVES (2,520,555) 107,342,704 353,957		(1,301,300)	(552,524)				146,882,79
UTILITY 145021 145024 145027 145030 145033	SUMMARY ALL UTILITY DEPRECIATION RE	SERVES (2,520,555) 107,342,704 353,957 (12,303) —		(1,301,300)	(552,524)				146,882,79
UTILITY 145021 145024 145027 145030 145033 145036	SUMMARY ALL UTILITY DEPRECIATION RE	SERVES (2,520,555) 107,342,704 353,957 (12,303) — (1,344)		(1,301,300)	(552,524)				146,882,79
UTILITY 145021 145024 145027 145030 145033	SUMMARY ALL UTILITY DEPRECIATION RE	SERVES (2,520,555) 107,342,704 353,957 (12,303) —		<u>(1,301,300)</u>	(552,524)				146,882,79
UTILITY 145021 145024 145027 145030 145033 145036 260005	SUMMARY ALL UTILITY DEPRECIATION RE	SERVES (2,520,555) 107,342,704 353,957 (12,303) — (1,344)	12/31/2022	(1,301,300)	(552,524)				146,882,79
UTILITY 145021 145024 145027 145030 145033 145036 260005	SUMMARY ALL UTILITY DEPRECIATION RE	SERVES (2,520,555) 107,342,704 353,957 (12,303) — (1,344)	12/31/2022 146,882,796		(552,524)				146,882,79
UTILITY 145021 145024 145027 145030 145033 145036 260005	SUMMARY ALL UTILITY DEPRECIATION RE	SERVES (2,520,555) 107,342,704 353,957 (12,303) — (1,344)	12/31/2022		(552,524)				146,882,79

* May not foot due to rounding.

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2) 🛛 A Resubmission		December 31, 2022

### **GAS ACCOUNT - NATURAL GAS**

1. The purpose of this schedule is to account for the quantity of natural gas received and delivered by the respondent.

2. Natural gas means either natural gas unmixed or any mixture of natural and manufactured gas.

3. Enter in column (c) the Dth as reported in the schedules indicated for the items of receipts and deliveries.

4. Indicate in a footnote the quantities of bundled sales and transportation gas and specify the line on which such quantities are listed.

5. If the respondent operates two or more systems which are not interconnected, submit separate pages for this purpose. Use copies of pages 520.

6. Indicate by footnote the quantities of gas not subject to Commission regulation which did not incur FERC regulatory costs by showing (1) the local distribution volumes another jurisdictional pipeline delivered to the local distribution company portion of the reporting pipeline (2) the quantities that the reporting pipeline transported or sold through its local distribution facilities or intrastate facilities and which the reporting pipeline, and (3) the guantities that were not destined for interstate market of that were not transported through any interstate portion of the reporting pipeline, and (3) the guantities that were not destined for interstate market of that were not transported through any interstate portion of the reporting pipeline.

7. Indicate in a footnote the specific gas purchase expense account(s) and related to which the aggregate volumes reported on Line 3 relate.

8. Indicate in a footnote (1) the system supply quantities of gas that are stored by the reporting pipeline, during the reporting year and also reported as sales, transportation and compression volumes by the reporting pipeline during the same reporting year, (2) the system supply quantities of gas that are stored by the reporting pipeline during the reporting year which the reporting pipeline intends to sell or transport in a future reporting year, and (3) contract storage quantities.

9. Indicate the volumes of pipeline production field sales that are included in both the company's total sales figure and the company's total transportation figure. Add additional information as necessary to the footnotes.

Line	Item	Ref. Page No.	Total Amount of Dth
No.	(a)	(b)	(c)
1	NAME OF SYSTEM:		
2	GAS RECEIVED		
3	Gas Purchases (Accounts 800-805)		9,050,868
4	Gas of Others Received for Gathering (Account 489.1)	303	N/A
5	Gas of Others Received for Transmission (Account 489.2)	305	N/A
6	Gas of Others Received for Distribution (Account 489.3) Transportation	301	1,960,349
7	Gas of Others Received for Contract Storage (Account 489.4)	306	N/A
8	Gas of Other Received for Production/Extraction/Processing (Account 490 and 491)		N/A
9	Exchanged Gas Received from Others (Account 806)	328	N/A
10	Gas Received as Imbalances (Account 806)	328	N/A
11	Receipts of Respondent's Gas Transported by Others (Account 858)	332	N/A
12	Other Gas Withdrawn from Storage (Explain)	512	
13	Gas Received from Shippers as Compressor Station Fuel		
14	Gas Received from Shippers as Lost and Unaccounted for		
15	Other Receipts (Specify) LPG		
16	Total Receipts (Total of lines 3 thru 14)		11,011,217
17	GAS DELIVERED		
18	Gas Sales (Accounts 480-495)		9,105,289
19	Deliveries of Gas Gathered for Others (Account 489.1)	303	N/A
20	Deliveries of Gas Transported for Others (Account 489.2)	305	N/A
21	Deliveries of Gas Distributed for Others (Account 489.3) Transportation	301	1,960,349
22	Deliveries of Contract Storage Gas (Account 489.4)	306	N/A
23	Gas of Other Delivered for Production/Extraction/Processing (Account 490 and 491)		N/A
24	Exchange Gas Delivered to Others (Account 806)	328	N/A
25	Gas Delivered as Imbalances (Account 806)	328	N/A
26	Deliveries of Gas to Others for Transportation (Account 858)	332	N/A
27	Other Gas Delivered to Storage (Explain)	512	
28	Gas Used for Compressor Station Fuel	331	N/A
29	Other Deliveries (Specify): Unbilled	331	(76,702
30	Total Deliveries (Total of lines 17 thru 27)		10,988,936
31	GAS LOSSES AND GAS UNACCOUNTED FOR		
32	Gas Losses and Gas Unaccounted For		22,281
33	TOTALS		
34	Total Deliveries, Gas Losses & Unaccounted for (Total of lines 30 and 32)		11,011,217

Name of Respondent	This Report is:	Date of Report	Year of Report
	(1) 🗵 An Original	(Mo, Da, Yr)	
Northwest Natural Gas Company	(2)		December 31, 2022

	EXECUTIVE	COUNT BY CLASS AND TOT	AL SALARIES BY CLASS
1. Pur and th	suant to RCW 80.04.080, report below ne total amount of salaries and wages	the number of employees by class (pe paid each class	er company definition to be provided),
Line	Employee Class	Number of Employees	Total Salaries and Wages Paid Each Class ⁽¹⁾
No.	(a)	(b)	(c)
1	Officers & Exempt	575	70,896,063
2	Bargaining Unit	574	55,115,959
3			
4			
5			
Total		1,149	126,012,022
⁽¹⁾ Sala	aries and wages do not include bonuse	es paid.	

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2022 ANNUAL REPORT



# To Our Shareholders

In 2022, NW Natural Holdings demonstrated our continued commitment to decarbonization, diversification, growth and strong financial performance.

It was a transformative year on many fronts. We grew our customer base at our gas and water utilities, began operation of our first renewable natural gas (RNG) facility under the landmark Oregon Senate Bill 98, producing RNG on behalf of our gas utility customers, closed our largest water and wastewater acquisition to date, and began construction of the first RNG facilities we're investing in through our competitive RNG business.

We also increased dividends for the 67th consecutive year and were recognized by Ethisphere as one of the 2022 World's Most Ethical Companies[®].¹ Recently, we learned we were recognized again by Ethisphere in 2023.

We're proud to operate three growing businesses that provide essential services, and I'm grateful for your confidence. I'm also grateful for our dedicated employees, whose steadfast focus on service, innovation and environmental stewardship allows us to meet the moment in these changing times.

#### President and CEO David H. Anderson with Construction Crew Leaders at newly renovated Vancouver, Washington Resource Center.

# **Corporate Profile**

#### NW NATURAL HOLDINGS (NYSE: NWN)

is headquartered in Portland, Oregon, and, with its predecessors, has been doing business for 164 years. It owns a regulated natural gas distribution company (NW Natural), water and wastewater utilities (NW Natural Water), a renewable natural gas business (NW Natural Renewables), and other business interests.



 $^{\rm 1}$  "World's Most Ethical Companies" and "Ethisphere" names and marks are registered trademarks of Ethisphere LLC

# 2022 Highlights

## **NET INCOME**

Reported net income for 2022 of \$86.3 million or \$2.54 per share, an increase of 10% in net income, compared to \$78.7 million or \$2.56 per share for 2021. The company's earnings per share for 2022 were affected by issuing common shares.



- Increased dividends paid for the 67th consecutive year, one of the longest records on the NYSE.
- Recognized by Ethisphere as one of the 2022 World's Most Ethical Companies[®].¹



The natural gas utility achievements in 2022 included:

#### **Customer Growth**

 Achieved an annual customer growth rate of 1.1% by adding 8,600 new natural gas meters, bringing the people we serve to approximately 2.5 million through nearly 795,000 meters.

#### **Customer Service**

 Ranked second in the West for large gas utilities and scored among the top 10 utilities in the nation in the annual J.D. Power Gas Utility Residential Customer Satisfaction Study.

#### Reliability & Resiliency

- Invested nearly \$340 million in our gas utility infrastructure. This included projects to support safety, reliability, growth and investments in technology.
- With cold temperatures on Dec. 22, 2022, NW Natural hit a record sendout of 8 million therms. The system performed very well.

#### Oregon Rate Case

 Received approval for Oregon rate case, with a \$59.4 million increase in the revenue requirement to recover investments in system reliability, resilience and upgrades to technology, including cybersecurity and our enterprise resource planning system.



#### Water and Wastewater Utility Growth and Service

- Closed largest acquisition to date increasing our customer base by approximately 70% and experienced strong 3.8% organic customer growth across the business.
- Supported safe and reliable service for 155,000 people through approximately 62,500 connections.

#### Gas Utility Decarbonization

- On track to meet or exceed our voluntary carbon savings goal² of 30% by 2035, making progress toward our vision to be a provider of net carbonneutral energy by 2050.
- Began operation of first RNG facility under the landmark Oregon Senate Bill 98.
- Completed a series of hydrogen-blend tests at our Sherwood operations and training center.
- Made progress on a turquoise hydrogen pilot project that is designed to turn methane into clean hydrogen and solid carbon in the first half of 2023.
- Began a pilot to test equipment that captures carbon from existing boilers and converts it to potassium carbonate for soap products.



#### **Competitive RNG**

 On track to begin producing renewable natural gas in 2023 at two RNG facilities we're investing in through a partnership with EDL.

² Voluntary emissions savings goal equivalent to 30% of the carbon emissions from our sales customers gas use and company operations in 2015.

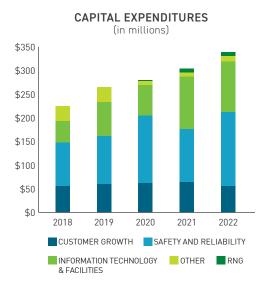




# Natural Gas Utility

### Safety Guides All We Do

Operating safely is our greatest responsibility to customers, employees and communities we serve. Proactive field visits help us prevent safety issues across our service territory, and our 24/7 emergency response system allows us to quickly dispatch responders to damage and odor calls.



Total investment in capital expenditures during 2022 was \$338 million on an accrual basis and includes cloud-based software.

Our Journey to Zero on-the-job safety initiative continued to deliver results in its third year, with the lowest number of workplace injuries in nearly two decades and a 25% increase in near-miss reporting (good-catch rate) from 2021. We also rolled out Work Ready, an app-based movement program, designed to help employees move better and support health and well-being. The last three years are among the best years for safety performance since 2009.

To support our goal of meeting or exceeding federal and state pipeline safety regulations, we maintain a rigorous program to inspect our transmission system with a combination of technologically advanced inline inspection tools and direct assessments. Our modernized pipe network allows us to use inline methods for most inspections. At the end of 2022, we had inspected about 2.5 times the amount of pipeline required by PHMSA safety regulators.

With no cast iron or bare steel pipe in our system, we operate one of the most modern distribution systems in the nation. In 2022, we invested nearly \$340 million in our natural gas infrastructure to support safety, system reliability, growth and improvements. Those investments included system reinforcement projects, maintaining our valuable storage facilities and renovations at several of our service centers with a focus on seismic resiliency.

We continue to prioritize technology and cybersecurity investments to protect the safety and security of our critical systems and customer data. In 2022, we implemented a major upgrade to our enterprise resource planning system and made significant investments in enhanced cybersecurity protocols, systems and staff.

### **Growth & Service Achievements**

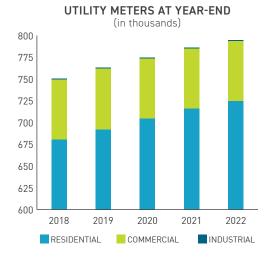
The labor market and unemployment remained stable in 2022, while the housing market cooled as interest rates rose. In spite of this, we connected 8,600 new meters, for an overall growth rate of 1.1%.

We are honored that our customers again ranked NW Natural second in the West among large gas utilities in the annual J.D. Power Gas Utility Residential Customer Satisfaction Study. It is the 19th year we have ranked in the top two in the West in the study's 21-year history. NW Natural also scored in the top 10 in the nation among large gas utilities this year. We also earned 2022 Environmental Champion recognition from Escalent, based on high marks for environmental stewardship in a customer survey. We were among 31 utilities to be recognized out of 140 utilities ranked.

### **Rates & Regulation**

In October 2022, NW Natural received approval for an Oregon rate case, with a \$59.4 million increase in the revenue requirement and rate base of \$1.76 billion. The rate base increase of \$320 million compared to the last rate case allows us to recover investments in system reliability, resilience, technology upgrades and RNG. For Washington, the second year of a multiyear rate case went into effect, increasing the revenue requirement by \$3.0 million. We also received approval for annual purchase gas adjustments in Oregon and Washington, which update rates for projected gas costs in 2023. New rates went into effect in November 2022.

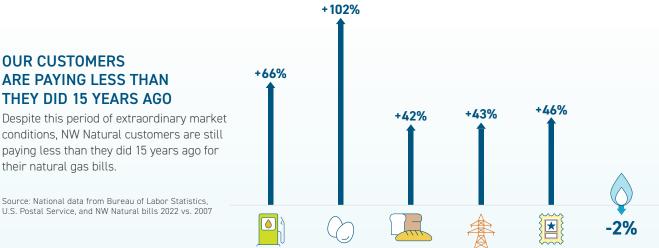
Even with new rates, our customers are paying less for their total bill than they did 15 years ago. Yet recognizing this is a time of energy market disruption and inflationary pressure, NW Natural worked with



We added 8,600 new customers in 2022, and now serve nearly 795,000 customers.

regulators and stakeholders to support customers with a rate mitigation tariff that smoothes the rate impacts over the year. To further help Oregon customers with household incomes less than 60% of the state median income, we introduced an income-gualified discount program that allows them to save 15% to 40% on monthly bills.

In September 2022, we filed our Integrated Resource Plan with Oregon and Washington regulators. This is the first plan to include comprehensive analysis to support implementation of the transformative climate policies adopted in both states. The long-term resource acquisition plan—which looks out to 2050—is designed to achieve emissions reductions at the least cost and risk, while continuing to provide safe and reliable service.



# **ARE PAYING LESS THAN** THEY DID 15 YEARS AGO

conditions, NW Natural customers are still paying less than they did 15 years ago for their natural gas bills.

Source: National data from Bureau of Labor Statistics U.S. Postal Service, and NW Natural bills 2022 vs. 2007 We believe climate change requires rapid innovation and collective action, which is why we're working to reduce emissions on multiple fronts

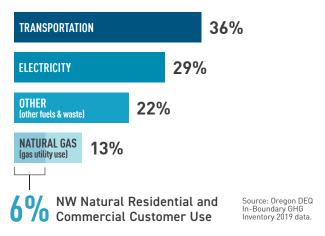
Justin Palfreyman, Senior Vice President of Strategy and Business Development with Anna Chittum, Director of Renewable Resources at the Lexington RNG Facility, which is the first facility under Senate Bill 98 and was completed in 2022.

Star Star

## Decarbonization

We believe climate change requires rapid innovation and collective action, which is why we are working to reduce emissions on multiple fronts and reimagining the role of our system and the fuel that we deliver. NW Natural has one of the tightest systems in the nation, and we use that modern system to deliver more energy in Oregon than any other utility. On the coldest winter days, we provide about 90% of the energy our residential space and water heating customers need. Natural gas use in our customers' homes and businesses accounts for approximately 6% of Oregon's annual greenhouse gas emissions.³ We're working to reduce that number even further.

#### OREGON GREENHOUSE GAS EMISSIONS BY SECTOR



Since we launched our Low Carbon Pathway in 2016, we've made steady progress toward our voluntary goal of 30% carbon savings by 2035.

Our 2021 Destination Zero report analyzes scenarios for achieving carbon neutrality for our residential and commercial customers by 2050. We believe a combination of decarbonization measures that include energy efficiency, renewable energy, carbon offsets and carbon capture are needed in a low-carbon future. Replacing conventional natural gas over time with net carbon-neutral alternatives like RNG and clean hydrogen is central to achieving that vision.

In January 2022, operations began at our first RNG facility under Oregon Senate Bill 98 with BioCarbN and Tyson Foods. A second facility is slated to be completed in the spring of 2023. Groundbreaking Oregon legislation enables us to procure and invest in RNG and clean hydrogen on behalf of our customers. To date we have signed agreements with options to purchase or develop RNG totaling about 3% of NW Natural's current annual sales volume in Oregon, and we are pursuing additional RNG supply for the benefit of our customers.

Our engineering team completed hydrogen blend tests of 5%, 10% and 15% at our Sherwood operations and training center. We also made progress on an exciting turquoise hydrogen pilot project designed to turn methane into clean hydrogen and solid carbon in partnership with Modern Electron. We expect that pilot to go live in the first half of 2023.

In another pilot project, we're working with a handful of commercial customers to test CarbinX equipment that is designed to capture carbon from existing boilers and reduce energy use. The captured carbon dioxide is converted to potassium carbonate, which can be used to make soap products.

As part of our focus on decarbonization innovation and collaboration, NW Natural team members joined policymakers on a RNG and clean hydrogen fact-finding trip to Denmark to understand how that country is implementing these strategies. Notably, Denmark is already delivering roughly 30% RNG in its gas system, and is working towards meeting 75% of its gas demand from RNG by 2030 and 100% by 2034. Hydrogen has also gained momentum, and Denmark considers it part of its long-term energy future.

These projects are just the beginning. NW Natural is a 164-year-old company that has evolved many times since 1859 to meet the essential energy needs of our region. We're committed to implementing climate solutions that work for our environment, our customers, and our communities. The renewable supply is growing, the necessary technology exists, and our modern storage and delivery system is ready.



Gas process and storage equipment at the Nature Energy Korskro Biomethane Plant in Denmark.

³ NW Natural sales load data from the Oregon Department of Environmental Quality In-Boundary Greenhouse Gas Inventory, 2019 data. Our main focus is working toward a portfolio of RNG projects that generate stable, growing income and cash flows and fit our overall corporate strategy



# **Competitive Renewables**

Launched as a competitive RNG business in 2021, NW Natural Renewables is investing in renewable energy in support of the transition to a decarbonized future. It is focused on the production and supply of RNG, helping a variety of sectors decarbonize using existing waste streams and renewable energy sources.

NW Natural Renewables' first project is with EDL, a leading global producer of sustainable distributed energy. The project includes a total \$50 million investment toward the development of two RNG production facilities, which are under construction and on track to begin operations in the second quarter of 2023. NW Natural Renewables has contracted to take a 20-year supply of RNG from the facilities.

We're excited about additional opportunities in this fast-growing market. Given our size and expertise, we believe we have a competitive edge that allows us to be nimble and tailor our approach to each project.



Construction in progress at the two RNG facilities EDL is building.

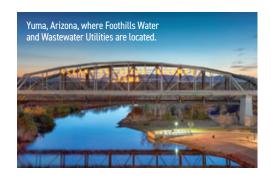


# Water & Wastewater Utilities

In 2022, we continued our disciplined acquisition strategy and saw strong organic growth in our water and wastewater utilities. Organic customer growth was 3.8% across the utilities, with extraordinary growth of 8% in Texas and 4% in Idaho Falls. In October 2022, we closed our largest water and wastewater acquisition to date in Yuma, Arizona, increasing our total connections by approximately 70%. The acquisition in this fast-growing area positions us for future acquisitions and growth. We also closed acquisitions in Texas, Idaho and Washington.

At the same time, we continued to invest in safety, system reliability and information technology with nearly \$20 million of infrastructure spend last year. We focused on collaborative, transparent and productive relationships with regulators and constructive general rate cases. In 2022, we completed three rate cases to recover essential investments in these systems.

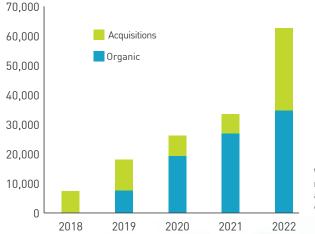
Today, NW Natural Water provides water and wastewater services to approximately 155,000 people through over 62,500 connections, with approximately \$260 million of cumulative investment. We continue to see opportunity for growth and investment in this sector in the years ahead.



Reflecting on 2022, I'm beyond proud of all that we accomplished. We met the moment, delivering for our customers and keeping our employees safe while innovating, evolving and growing.

Thank you for your confidence and trust in our company and our vision for the future. It means the world to us.

David H. Anderson President and Chief Executive Officer



#### WATER UTILITY CUSTOMERS AT YEAR-END

We added over 29,000 new customers in 2022, and now serve over 62,500 customers.



The current indicated annual dividend is \$1.94 per share. Future dividends are subject to Board of Director discretion and approval. Annual dividends paid per share in 2022 increased for the 67th consecutive year.

## NW Natural Gas Service Territory



Financial Overview	2022	2021
KEY HIGHLIGHTS		
Consolidated financial facts (\$000):		
Operating revenues	1,037,353	860,400
Net income	86,303	78,666
Financial ratios (%):		
Return on average common equity	8.2	8.6
Capital structure ¹ at year-end:		
Long-term debt	53.2	52.8
Common stock equity	46.8	47.2
COMMON STOCK		
Shareholder data (000):		
Average shares outstanding-diluted	33,984	30,752
Year-end shares outstanding	35,525	31,129
Per share data (\$):		
Diluted earnings	2.54	2.56
Dividends paid	1.93	1.92
Book value at year-end	33.09	30.04
Market value at year-end	47.59	48.78
NATURAL GAS DISTRIBUTION OPERATING HIGH	LIGHTS	
Gas deliveries (000 therms)	1,252,337	1,184,775
Margin ² (\$000)	505,875	479,811
Degree days	2,712	2,378
Meters at year-end	794,497	785,897
Employees at year-end	1,149	1,173
WATER OPERATING HIGHLIGHTS		
Connections at year-end	62,592	33,417
Employees at year-end	105	61
DIVIDENDS PAID ON COMMON STOCK (per share) Payment date		
February	0.4825	0.4800
May	0.4825	0.4800
August	0.4825	0.4800
November	0.4850	0.4825
	1.0005	

1.9325

1.9225

¹ Includes current maturities of long-term debt and excludes short-term debt.

² References to the margin refer to natural gas distribution segment.

Total dividends paid





DAVID H. ANDERSON President and Chief Executive Officer, NW Natural Holdings and NW Natural



**TIMOTHY P. BOYLE** President and Chief Executive Officer and Chairman of the Board, Columbia Sportswear Company



MONICA ENAND Founder and Former Chief Executive Officer, Zapproved



**KAREN LEE** Chief Executive Officer of Plymouth Housing



HON. DAVID K. MCCURDY Former President and CEO of the American Gas Association



SANDRA MCDONOUGH Former President and CEO of Oregon Business & Industry



**NATHAN I. PARTAIN** Former President and Co-Chief Investment Officer of Duff & Phelps Investment Management Co.



Former President and Chief Executive Officer, British Columbia Transmission Corporation



**KENNETH THRASHER** Former Chairman of the Board, Compli Corporation



MALIA H. WASSON Chair of the Board, NW Natural Holdings and NW Natural; Chief Executive Officer, Sand Creek Advisors



**CHARLES A. WILHOITE** Managing Director, Willamette Management Associates, a Citizens Company



**STEVEN E. WYNNE** Independent Director, NW Natural and Executive Vice President, Moda, Inc.

#### NW NATURAL SENIOR MANAGEMENT



DAVID H. ANDERSON¹ President and Chief Executive Officer



FRANK BURKHARTSMEYER¹ Senior Vice President and Chief Financial Officer



Chief Information Officer



SHAWN M. FILIPPI^{1,2} Vice President, Chief Compliance Officer and Corporate Secretary



**KIMBERLY RUSH** Senior Vice President Operations and Chief Marketing Officer



МІКЕ КОТҮК President, NW Natural Renewables



JON HUDDLESTON Vice President Engineering and Utility Operations



MARDILYN SAATHOFF¹ Senior Vice President, Regulation and General Counsel



**ZACHARY D. KRAVITZ** 

Vice President,

Rates and Regulatory

**DAVID WEBER** Vice President, Gas Supply and Utility Support Services



**JUSTIN B. PALFREYMAN²** Senior Vice President, Strategy and Business Development, and President, NW Natural Water



**KATHRYN WILLIAMS** Vice President, Public Affairs and Sustainability





BRODY J. WILSON^{1,2} Vice President, Chief Accounting Officer, Controller and Treasurer





Also officers at NW Natural Holdings Also officers at NW Natural Water

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# Notice of Annual Meeting

The 2023 Annual Meeting of Shareholders is scheduled to be held at 2 p.m., Thursday, May 25, 2023. We are expecting to conduct an entirely virtual Annual Meeting. A meeting notice and proxy statement describing our plans for conducting the meeting will be sent to all shareholders who hold shares as of the record date, April 6, 2023. Such plans may be supplemented or revised as appropriate.

#### Dividend reinvestment and direct stock purchase plan

Participants may make an initial investment in company stock and common shareholders of record may reinvest all or part of their dividends in additional shares under the company's plan. Cash purchases may also be made. Participants in the plan bear the cost of brokerage fees and commissions for shares purchased on the open market to fulfill purchases under the plan. A prospectus will be sent upon request.

#### Scheduled dividend payment dates

Subject to Board approval, the following dates are scheduled for dividend payment:

February 15, 2023 May 15, 2023 August 15, 2023 November 15, 2023

#### COMPARISON OF FIVE-YEAR CUMULATIVE TOTAL RETURN

(Based on \$100 invested on 12/31/2017)



Total shareholder return (annualized) over the five years ending December 31, 2022 for NW Natural Holdings was 1.44%, compared to Standard & Poor's (S&P) Utilities Index return of 1.57%, and the S&P 500 Index return of -18.17%.

#### Certifications

The Chief Executive Officer certified to the NYSE on June 20, 2022, that as of that date, he was not aware of any violation by the company of NYSE's corporate governance listing standards, and the company had filed with the Securities and Exchange Commission (SEC), as exhibits 31.3 and 31.4 to its Annual Report on Form 10-K for the year ended Dec. 31, 2021, the certificates of the Chief Executive Officer and the Chief Financial Officer of the company certifying the quality of the company's public disclosure. For the year ended Dec. 31, 2022, the certificates of the Chief Executive Officer and Chief Financial Officer are attached as exhibits 31.3 and 31.4 to the Form 10-K included in this Annual Report.

#### Contact the NW Natural Holdings Board

Concerns may be directed to the nonmanagement directors by writing to:

Northwest Natural Holding Company Board of Directors c/o Corporate Secretary 250 SW Taylor Street Portland, OR 97204

#### Forward-looking statements

The statements made in this Annual Report that are not purely historical, including statements regarding plans, goals, strategies, commitments, success, opportunities, dividends, earnings, financial value, financial results, future events, performance, stability, continuation of past practices, future demand or preference for gas, strategic goals and visions, environmental initiatives, decarbonization and role of natural gas and the gas delivery system, including competitive renewable natural gas strategy, decarbonization goals and timelines, energy efficiency measures, use of renewables, carbon emissions, targets and savings, renewable natural gas or hydrogen purchases, projects, investments or other renewable initiatives, including the construction of and production by RNG facilities, procurement of renewable natural gas or hydrogen for customers, technology and policy innovations, commodity costs, customer rates and service, competitive position,

revenues, customer and business growth, capital expenditures, system and infrastructure investments, emergency preparedness and response, technology and cybersecurity investments, system reliability, safety and implementation of safety initiatives, system and operational resiliency, business continuity, environmental stewardship, securities issuances, including sustainable financings, regulatory proceedings and actions including, but not limited to, our rate cases and the timing and results thereof, rate recovery, effects of regulatory mechanisms, the regional and national economy, business development and new business initiatives, water and wastewater acquisitions, partnerships, investment strategies, planned acquisitions and integration thereof, likelihood and success associated with any transaction, operating plans and implementation, system modernization and efficiency, diversity, equity and inclusion initiatives, and effects of legislation or changes in laws or regulations, including but not limited to carbon and renewable natural gas and hydrogen regulations are forward-looking statements within the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995. NW Natural's actual results could differ materially from those anticipated in these forward-looking statements as a result of risks and uncertainties, including those described in the attached report on Form 10-K. For a more complete description of these risks and uncertainties, please refer to our filings with the SEC on Forms 10-K and 10-Q.

#### Request for publications

The following publications may be obtained without charge by contacting the Corporate Secretary at NW Natural's address: Annual Report; Form 10-K; Form 10-Q; Form 8-Ks; Corporate Governance Standards; Director Independence Standards; Code of Ethics; and Board Committee Charters. These publications, as well as other filings made with the SEC, are also available on our website at nwnaturalholdings.com. Our SEC filings are also available through the SEC's website (sec.gov).



#### PRODUCED BY NW NATURAL'S CORPORATE COMMUNICATIONS

PHOTO CREDITS: DALE HEADRICK - Page 4: field technician; ROBBIE MCCLARAN - Page 2: Vancouver Resource Center. OTHER - Page 6: Lexington RNG Facility, courtesy Anna Chittum; Page 7: Nature Energy Korskro Biomethane Plant, courtesy Chris Kroeker; Page 8: Limestone and Lorain RNG Facilities, courtesy Adam Larky.

**PRINTING:** Donnelley Financial Solutions

# Form 10-K Annual Report

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# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

	FORM	l 10-K				
ANNUAL REPORT PURSUANT TO SECTI	( )	HE SECURITIES EXCHA ed December 31, 2022	NGE ACT OF 1934			
TRANSITION REPORT PURSUANT TO SE		F THE SECURITIES EXC	HANGE ACT OF 1934			
	transition period from _					
Commission file number 1-38681		Commission	file number 1-15973			
NW Natur Holdin			NW Natu	ral°		
NORTHWEST NATURAL HOLDING O	OMPANY	NORTHWE	ST NATURAL GAS CO	MPANY		
(Exact name of registrant as specified in	its charter)	(Exact name of	registrant as specified in	n its charter)		
	2-4710680	Oregon		3-0256722		
	.S. Employer tification No.)	(State or other jurisdi incorporation or organ		S. Employentification No.		
250 S.W. Taylor Street Portland	Oregon 97204	250 S.W. Taylor	Street Portland	Oregon	972	:04
(Address of principal executive offices	, (1, ,	· · ·	principal executive offices	,	Zip Co	
Registrant's telephone number, including area of Securities registered pursuant to Section 12(b) of	( )	Registrant's telephone	e number, including area	code: (503)	226-4	211
Registrant	Title of each	class Trading Symbo		ach exchang <u>i registered</u>	le	
Northwest Natural Holding Company	Common St	tock NWN	New York St	tock Exchan	ge	
Northwest Natural Gas Company	None	None	N	one		
Securities registered pursuant to Section 12(g) of	the Act: None.					
Indicate by check mark if the registrant is a well-k	nown seasoned issuer,	as defined in Rule 405 of	the Securities Act.			
NORTHWEST NATURAL HOLDING COMPANY	Yes 🗷 No 🗆	NORTHWEST NATURA	L GAS COMPANY	Yes 🗆	No	×
Indicate by check mark if the registrant is not requ			( )			
NORTHWEST NATURAL HOLDING COMPANY	Yes 🗆 No 🗷	NORTHWEST NATURA		Yes 🗆	No	×
Indicate by check mark whether the registrant (1) of 1934 during the preceding 12 months (or for su subject to such filing requirements for the past 90	ch shorter period that t	luired to be filed by Section he registrant was required	n 13 or 15(d) of the Secu I to file such reports), and	d (2) has be	inge A en	ct
NORTHWEST NATURAL HOLDING COMPANY	Yes 🗷 No 🗆	NORTHWEST NATURA	L GAS COMPANY	Yes 🗷	No	
Indicate by check mark whether the registrant has 405 of Regulation S-T (§232.405 of this chapter) of submit such files).	submitted electronical during the preceding 12	ly every Interactive Data F 2 months (or for such shor	File required to be submit ter period that the registra	tted pursuar ant was req	it to Ri uired t	ule :o
NORTHWEST NATURAL HOLDING COMPANY	Yes 🗷 No 🗆	NORTHWEST NATURA	L GAS COMPANY	Yes 🗷	No	
Indicate by check mark whether the registrant is a company, or an emerging growth company. See th "emerging growth company" in Rule 12b-2 of the l	large accelerated filer, ne definitions of "large a Exchange Act.	, an accelerated filer, a no accelerated filer," "acceler	n-accelerated filer, a sma ated filer," "smaller report	aller reportin ting compar	g iy" and	d
NORTHWEST NATURAL HOLDING C	OMPANY	NORTHW	EST NATURAL GAS COI	MPANY		
Large Accelerated Filer	×	Large	Accelerated Filer			
Accelerated Filer		Ac	celerated Filer			
Non-accelerated Filer		Non-	accelerated Filer		×	
Smaller Reporting Company			Reporting Company			
Emerging Growth Company		0	g Growth Company			
If an emerging growth company, indicate by check any new or revised financial accounting standards	provided pursuant to S	Section 13(a) of the Excha	inge Act. 🗆			
Indicate by check mark whether the registrant has internal control over financial reporting under Sect firm that prepared or issued its audit report.	; filed a report on and a tion 404(b) of the Sarba	Ittestation to its managem anes-Oxley Act (15 U.S.C.	ent's assessment of the e 7262(b)) by the registere	effectivenes ed public ac	s of its counti	ng
NORTHWEST NATURAL HOLDING COMPANY	Yes 🗷 No 🗆	NORTHWEST NATURA	L GAS COMPANY	Yes 🗆	No	×
If securities are registered pursuant to Section 12 included in the filing reflect the correction of an error	(b) of the Act, indicate b ror to previously issued	by check mark whether the linancial statements. $\Box$	e financial statements of	the registra	nt	
Indicate by check mark whether any of those error compensation received by any of the registrant's e	r corrections are restate executive officers during	ements that required a rec g the relevant recovery pe	covery analysis of incentivering analysis of incentiveriod pursuant to §240.10	ve-based D-1(b). □		
Indicate by check mark whether the registrant is a	shell company (as def	fined in Rule 12b-2 of the	Exchange Act).			
NORTHWEST NATURAL HOLDING COMPANY	Yes 🗆 No 🗷	NORTHWEST NATURA	L GAS COMPANY	Yes 🗆	No	×

As of the end of the second quarter of 2022, the aggregate market value of the shares of Common Stock of Northwest Natural Holding Company (based upon the closing price of these shares on the New York Stock Exchange on June 30, 2022) held by non-affiliates was \$1,825,498,356.

At February 16, 2023, 35,539,262 shares of Northwest Natural Holding Company's Common Stock (the only class of Common Stock) were outstanding. All shares of Northwest Natural Gas Company's Common Stock (the only class of Common Stock) outstanding were held by Northwest Natural Holding Company.

This combined Form 10-K is separately filed by Northwest Natural Holding Company and Northwest Natural Gas Company. Information contained in this document relating to Northwest Natural Gas Company is filed by Northwest Natural Holding Company and separately by Northwest Natural Gas Company. Northwest Natural Gas Company makes no representation as to information relating to Northwest Natural Holding Company or its subsidiaries, except as it may relate to Northwest Natural Gas Company and its subsidiaries.

Northwest Natural Gas Company meets the conditions set forth in General Instruction (I)(1)(a) and (b) of Form 10-K and is therefore filing this report with the reduced disclosure format.

#### DOCUMENTS INCORPORATED BY REFERENCE

Portions of Northwest Natural Holding Company's Proxy Statement, to be filed in connection with the 2023 Annual Meeting of Shareholders, are incorporated by reference in Part III.

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# GLOSSARY OF TERMS AND ABBREVIATIONS

ACC	Arizona Corporation Commission; the entity that regulates NW Holdings' regulated water and water businesses in Arizona with respect to rates and terms of service, among other matters
AFUDC	Allowance for Funds Used During Construction
AOCI / AOCL	Accumulated Other Comprehensive Income (Loss)
AMP	Arrearage Management Program
ASC	Accounting Standards Codification
ASU	Accounting Standards Update as issued by the FASB
Average Weather	The 25-year average of heating degree days based on temperatures established in our last Oregon general rate case
Bcf	Billion cubic feet, a volumetric measure of natural gas, where one Bcf is roughly equal to 10 million therms
CAP	Compliance Assurance Process with the Internal Revenue Service
CCA	Climate Commitment Act enacted by the State of Washington
CNG	Compressed Natural Gas
CODM	Chief Operating Decision Maker, which for accounting purposes is defined as an individual or group of individuals responsible for the allocation of resources and assessing the performance of the entity's business units
Core NGD Customers	Residential, commercial, and industrial customers receiving firm service from the Natural Gas Distribution business
Cost of Gas	The delivered cost of natural gas sold to customers, including the cost of gas purchased or withdrawn/ produced from storage inventory or reserves, gains and losses from gas commodity hedges, pipeline demand costs, seasonal demand cost balancing adjustments, renewable thermal certificate costs and regulatory gas cost deferrals
CPP	Climate Protection Program established by the Environmental Quality Commission of the Oregon Department of Environmental Quality
Decoupling	A natural gas billing rate mechanism, also referred to as a conservation tariff, which is designed to allow a utility to encourage residential and small commercial customers to conserve energy
Degree Day	The number of degrees that the average outdoor temperature falls below or exceeds a base value in a given period of time
Demand Cost	A component in NGD customer rates representing the cost of securing firm pipeline capacity, whether the capacity is used or not
ECRM	Environmental Cost Recovery Mechanism, a billing rate mechanism for recovering prudently incurred environmental site remediation costs allocable to Washington customers through NGD customer billings
EE/CA	Engineering Evaluation / Cost Analysis
Encana	Encana Oil & Gas (USA) Inc.
Energy Corp	Northwest Energy Corporation, a wholly-owned subsidiary of Northwest Natural Gas Company
EPA	Environmental Protection Agency
EPS	Earnings per share
ERP	Enterprise Resource Planning
ESPP	Employee Stock Purchase Plan
FASB	Financial Accounting Standards Board
FERC	Federal Energy Regulatory Commission; the entity regulating interstate storage services offered by the Mist gas storage facility
Firm Service	Natural gas service offered to customers under contracts or rate schedules that will not be disrupted to meet the needs of other customers
FMBs	First Mortgage Bonds
General Rate Case	A periodic filing with state or federal regulators to establish billing rates for utility customers
GHG	Greenhouse gases
GTN	Gas Transmission Northwest, LLC which owns a transmission pipeline serving California and the Pacific Northwest
Interruptible Service	Natural gas service offered to customers (usually large commercial or industrial users) under contracts or rate schedules that allow for interruptions when necessary to meet the needs of firm service customers

Interstate Storage Services	The portion of the Mist gas storage facility not used to serve NGD customers, instead serving utilities, gas marketers, electric generators, and large industrial users
IPUC	Public Utility Commission of Idaho; the entity that regulates NW Holdings' regulated water businesses in Idaho with respect to rates and terms of service, among other matters
IRA	Inflation Reduction Act of 2022
IRP	Integrated Resource Plan
КВ	Kelso-Beaver Pipeline, of which 10% is owned by KB Pipeline Company, a subsidiary of NNG Financial Corporation
LIBOR	London Interbank Offered Rate
LNG	Liquefied Natural Gas, the cryogenic liquid form of natural gas. To reach a liquid form at atmospheric pressure, natural gas must be cooled to approximately negative 260 degrees Fahrenheit
LTIP	Long Term Incentive Plan
Moody's	Moody's Investors Service, Inc., credit rating agency
NAV	Net Asset Value
NGD	Natural Gas Distribution, a segment of Northwest Natural Holding Company and Northwest Natural Gas Company that provides regulated natural gas distribution services to residential, commercial, and industrial customers in Oregon and Southwest Washington
NGD Margin	A financial measure used by NW Natural's CODM consisting of NGD operating revenues less the associated cost of gas, revenue taxes, and environmental recoveries
NNG Financial	NNG Financial Corporation, a wholly-owned subsidiary of NW Holdings
NOL	Net Operating Loss
NRD	Natural Resource Damages
NW Holdings	Northwest Natural Holding Company
NW Natural	Northwest Natural Gas Company, a wholly-owned subsidiary of NW Holdings
NW Natural Renewables	NW Natural Renewables Holdings, LLC, a wholly-owned subsidiary of NW Holdings
NWN Energy	NW Natural Energy, LLC, a wholly-owned subsidiary of NW Holdings
NWN Gas Reserves	NWN Gas Reserves LLC, a wholly-owned subsidiary of Energy Corp
NWN Gas Storage	NW Natural Gas Storage, LLC, a wholly-owned subsidiary of NWN Energy
NWN Water	NW Natural Water Company, LLC, a wholly-owned subsidiary of NW Holdings
ODEQ	Oregon Department of Environmental Quality
OPEIU	Office and Professional Employees International Union Local No. 11, AFL-CIO, the Union which represents NW Natural's bargaining unit employees
OPUC	Public Utility Commission of Oregon; the entity that regulates our Oregon natural gas and regulated water businesses with respect to rates and terms of service, among other matters; the OPUC also regulates the Mist gas storage facility's intrastate storage services
PBGC	Pension Benefit Guaranty Corporation
PGA	Purchased Gas Adjustment, a regulatory mechanism primarily used to adjust natural gas customer rates to reflect changes in the forecasted cost of gas and differences between forecasted and actual gas costs from the prior year
PHMSA	U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration
PRP	Potentially Responsible Parties
PUCT	Public Utility Commission of Texas; the entity that regulates NW Holdings' regulated water and water businesses in Texas with respect to rates and terms of service, among other matters
RI/FS	Remedial Investigation / Feasibility Study
RNG	Renewable Natural Gas, a source of natural gas derived from organic materials which may be captured, refined, and distributed on natural gas pipeline systems
RNG Hold Co	NW Natural RNG Holding Company, LLC, a wholly-owned subsidiary of Northwest Natural Gas Company
ROD	Record of Decision
ROE	Return on Equity, a measure of corporate profitability, calculated as net income or loss divided by average common equity. Authorized ROE refers to the equity rate approved by a regulatory agency for use in determining utility revenue requirements
ROR	Rate of Return, a measure of return on utility rate base. Authorized ROR refers to the rate of return approved by a regulatory agency and is generally discussed in the context of ROE and capital structure
RSU	Restricted Stock Unit

RTC	Renewable Thermal Certificate
S&P	Standard & Poor's Financial Services LLC, a credit rating agency and a subsidiary of S&P Global Inc.
Sales Service	Service provided whereby a customer purchases both natural gas commodity supply and transportation from the NGD business
SEC	U.S. Securities and Exchange Commission
SOFR	Secured Overnight Financing Rate
SRRM	Site Remediation and Recovery Mechanism, a billing rate mechanism for recovering prudently incurred environmental site remediation costs allocable to Oregon through NGD customer billings, subject to an earnings test
Therm	The basic unit of natural gas measurement, equal to one hundred thousand British thermal units
Transportation Service	Service provided whereby a customer purchases natural gas directly from a supplier but pays the utility to transport the gas over its distribution system to the customer's facility
TSA	Transportation Security Administration
U.S. GAAP	Accounting principles generally accepted in the United States of America
WARM	An Oregon billing rate mechanism applied to natural gas residential and commercial customers to adjust for temperature variances from average weather
WUTC	Washington Utilities and Transportation Commission, the entity that regulates our Washington natural gas and regulated water businesses with respect to rates and terms of service, among other matters

## FORWARD-LOOKING STATEMENTS

This report contains forward-looking statements within the meaning of the U.S. Private Securities Litigation Reform Act of 1995, which are subject to the safe harbors created by such Act. Forward-looking statements can be identified by words such as anticipates, assumes, may, intends, plans, projects, seeks, believes, estimates, expects, will, could, and similar references (including the negatives thereof) to future periods, although not all forward-looking statements contain these words. Examples of forward-looking statements include, but are not limited to, statements regarding the following:

- plans, projections and predictions;
- objectives, goals, visions or strategies;
- assumptions, generalizations and estimates;
- ongoing continuation of past practices or patterns;
- future events or performance;
- trends;
- risks;
- uncertainties;
- timing and cyclicality;
- · economic conditions, including impacts of inflation and interest rates, recessionary risk, and general economic uncertainty;
- earnings and dividends;
- capital expenditures and allocation;
- capital markets or access to capital;
- capital or organizational structure;
- matters related to climate change and our role in decarbonization or a low-carbon future;
- renewable natural gas, environmental attributes related thereto, and hydrogen;
- our strategy to reduce greenhouse gas emissions and the efficacy of communicating that strategy to shareholders, investors, stakeholders and communities;
- the policies and priorities of the current presidential administration and U.S. Congress;
- growth;
- customer rates;
- pandemic and related illness or quarantine, including COVID-19 and related variants and subvariants, and, economic conditions related thereto or resulting therefrom;
- labor relations and workforce succession;
- commodity costs;
- · desirability and cost competitiveness of natural gas;
- gas reserves;
- operational performance and costs;
- energy policy, infrastructure and preferences;
- public policy approach and involvement;
- efficacy of derivatives and hedges;
- liquidity, financial positions, and planned securities issuances;
- valuations;
- project and program development, expansion, or investment;
- business development efforts, including new business lines such as unregulated renewable natural gas, and acquisitions and integration thereof;
- implementation and execution of our water strategy;
- pipeline capacity, demand, location, and reliability;
- adequacy of property rights and operations center development;
- technology implementation and cybersecurity practices;
- competition;
- procurement and development of gas (including renewable natural gas) and water supplies;
- · estimated expenditures, supply chain and third party availability and impairment;
- supply chain disruptions;
- · costs of compliance, and our ability to include those costs in rates;
- customers bypassing our infrastructure;
- credit exposures;
- uncollectible account amounts;
- rate or regulatory outcomes, recovery or refunds, and the availability of public utility commissions to take action;
- impacts or changes of executive orders, laws, rules and regulations, or legal challenges related thereto, including the Inflation Reduction Act or other energy climate related legislation;
- tax liabilities or refunds, including effects of tax legislation;
- levels and pricing of gas storage contracts and gas storage markets;
- outcomes, timing and effects of potential claims, litigation, regulatory actions, and other administrative matters;
- projected obligations, expectations and treatment with respect to, and the impact of new legislation on, retirement plans;
- international, federal, state, and local efforts to regulate, in a variety of ways, greenhouse gas emissions, and the effects of those efforts;

- · geopolitical factors, such as the Russia/Ukraine conflict;
- availability, adequacy, and shift in mix, of gas and water supplies;
- effects of new or anticipated changes in critical accounting policies or estimates;
- · approval and adequacy of regulatory deferrals;
- · effects and efficacy of regulatory mechanisms; and
- environmental, regulatory, litigation and insurance costs and recoveries, and timing thereof.

Forward-looking statements are based on our current expectations and assumptions regarding our business, the economy, and other future conditions. Because forward-looking statements relate to the future, they are subject to inherent uncertainties, risks, and changes in circumstances that are difficult to predict. Our actual results may differ materially from those contemplated by the forward-looking statements. We therefore caution you against relying on any of these forward-looking statements. They are neither statements of historical fact nor guarantees or assurances of future performance. Important factors that could cause actual results to differ materially from those in the forward-looking statements are discussed at Item 1A., "Risk Factors" of Part I and Item 7. and Item 7A., "Management's Discussion and Analysis of Financial Condition and Results of Operations" and "Quantitative and Qualitative Disclosures About Market Risk", respectively, of Part II of this report.

Any forward-looking statement made in this report speaks only as of the date on which it is made. Factors or events that could cause actual results to differ may emerge from time to time, and it is not possible for us to predict all of them. We undertake no obligation to publicly update any forward-looking statement, whether as a result of new information, future developments or otherwise, except as may be required by law.

## FILING FORMAT

This annual report on Form 10-K is a combined report being filed by two separate registrants: Northwest Natural Holding Company (NW Holdings), and Northwest Natural Gas Company (NW Natural). Except where the content clearly indicates otherwise, any reference in the report to "we," "us" or "our" is to the consolidated entity of NW Holdings and all of its subsidiaries, including NW Natural, which is a distinct SEC registrant that is a wholly-owned subsidiary of NW Holdings. Each of NW Holdings' subsidiaries is a separate legal entity with its own assets and liabilities. Information contained herein relating to any individual registrant or its subsidiaries is filed by such registrant on its own behalf. Each registrant makes representations only as to itself and its subsidiaries and makes no other representation whatsoever as to any other company.

Item 8 in this Annual Report on Form 10-K includes separate financial statements (i.e. balance sheets, statements of comprehensive income, statements of cash flows, and statements of equity) for NW Holdings and NW Natural, in that order. References in this discussion to the "Notes" are to the Notes to the Consolidated Financial Statements in Item 8 of this report. The Notes to the Consolidated Financial Statements are presented on a combined basis for both entities except where expressly noted otherwise. All Items other than Item 8 are combined for the reporting companies.

## ITEM 1. BUSINESS

## OVERVIEW

NW Holdings is a holding company headquartered in Portland, Oregon and owns NW Natural, NW Natural Water Company, LLC (NWN Water), NW Natural Renewables Holdings, LLC, a non-regulated subsidiary established to pursue non-regulated renewable natural gas activities, and other businesses and activities. NW Natural is NW Holdings' largest subsidiary.

NW Natural distributes natural gas to residential, commercial, and industrial customers in Oregon and southwest Washington. NW Natural and its predecessors have supplied gas service to the public since 1859, was incorporated in Oregon in 1910, and began doing business as NW Natural in 1997. NW Natural's natural gas distribution activities are reported in the natural gas distribution (NGD) segment. All other business activities, including certain gas storage activities, water and wastewater businesses, non-regulated renewable natural gas activities and other investments and activities are aggregated and reported as "other" at their respective registrant.

## NATURAL GAS DISTRIBUTION (NGD) SEGMENT

Both NW Holdings and NW Natural have one reportable segment, the NGD segment, which is operated by NW Natural. NGD provides natural gas service through approximately 795,000 meters in Oregon and southwest Washington. Approximately 88% of customers are located in Oregon and 12% are located in southwest Washington.

NW Natural has been allocated an exclusive service territory by the Oregon Public Utility Commission (OPUC) and Washington Utilities and Transportation Commission (WUTC), which includes the major population centers in western Oregon, including the Portland metropolitan area, most of the Willamette Valley, the Coastal area from Astoria to Coos Bay, and portions of Washington along the Columbia River. Major businesses located in NW Natural's service territory include retail, manufacturing, and high-technology industries.

## **Customers**

The NGD business serves residential, commercial, and industrial customers with no individual customer accounting for more than 10% of NW Natural's or NW Holdings' revenues. On an annual basis, residential and commercial customers typically account for approximately 60% of NGD volumes delivered and approximately 90% of NGD margin. Industrial and other customers largely account for the remaining volumes and margin.

The following table presents summary meter information for the NGD segment as of December 31, 2022:

	Number of Meters	% of Volumes	% of Margin
Residential	724,287	38 %	65 %
Commercial	69,139	23 %	25 %
Industrial	1,071	39 %	7 %
Other ⁽¹⁾	N/A	N/A	3 %
Total	794,497	100 %	100 %

⁽¹⁾ NGD margin is also affected by other items, including miscellaneous revenues, gains or losses from NW Natural's gas cost incentive sharing mechanism, other margin adjustments, and other regulated services.

Generally, residential and commercial customers purchase both their natural gas commodity (gas sales) and natural gas delivery services (transportation services) from the NGD business. Industrial customers also purchase transportation services, but may buy the gas commodity either from NW Natural or directly from a third-party gas marketer or supplier. Gas commodity cost is primarily a pass-through cost to customers; therefore, profit margins are not significantly affected by an industrial customer's decision to purchase gas from NW Natural or from third parties. Industrial and large commercial customers may also select between firm and interruptible service levels, with firm services generally providing higher profit margins compared to interruptible services.

To help manage gas supplies, industrial tariffs are designed to provide some certainty regarding industrial customers' volumes by requiring an annual service election, special rates or possible restrictions for changes between elections, and in some cases, a minimum or maximum volume requirement before changing options.

We estimate natural gas was in approximately 63% of single-family residential homes in NW Natural's service territory in 2022. Customer growth in our region comes mainly from the following sources: single-family housing, both new construction and conversions; multifamily housing new construction; and commercial buildings, both new construction and conversions. Single-family new construction has consistently been our largest source of growth. Continued customer growth is closely tied to consumer preference for natural gas, the comparative price of natural gas to electricity and fuel oil, regulations and building codes permitting the use of natural gas in new construction and conversions, and the economic health of our service territory.

## **Competitive Conditions**

In its service areas, the NGD business has no direct competition from other natural gas distributors. However, it competes with other forms of energy in each customer class. This competition among energy suppliers is based on price, efficiency, reliability, performance, preference, market conditions, building codes, technology, federal, state, and local energy policy, and environmental impacts.

For residential and small to mid-size commercial customers, the NGD business competes primarily with providers of electricity, fuel oil, and propane.

In the industrial and large commercial markets, the NGD business competes with all forms of energy, including competition from wholesale natural gas marketers. In addition, large industrial customers could bypass NW Natural's natural gas distribution system by installing their own direct pipeline connection to the interstate pipeline system. NW Natural has designed custom transportation service agreements with several large industrial customers to provide transportation service rates that are competitive with the customer's costs of installing their own pipeline.

## Seasonality of Business

The NGD business is seasonal in nature due to higher gas usage by residential and commercial customers during the cold winter heating months. Other categories of customers experience similar seasonality in their usage but to a lesser extent.

## **Regulation and Rates**

The NGD business is subject to regulation by the OPUC and WUTC. These regulatory agencies authorize rates and allow recovery mechanisms to provide the opportunity to recover prudently incurred capital and operating costs from customers, while also earning a reasonable return on investment for investors. In addition, the OPUC and WUTC also regulate the system of accounts and issuance of securities by NW Natural.

NW Natural files general rate cases and rate tariff requests periodically with the OPUC and WUTC to establish approved rates, an authorized return on equity (ROE), an overall rate of return (ROR) on rate base, an authorized capital structure, and other revenue/cost deferral and recovery mechanisms.

NW Natural is also regulated by the Federal Energy Regulatory Commission (FERC). Under NW Natural's Mist interstate storage certificate with FERC, NW Natural is required to file either a petition for rate approval or a cost and revenue study every five years to change or justify maintaining the existing rates for the interstate storage service.

For further discussion on our most recent general rate cases, see Part II, Item 7, "Results of Operations—Regulatory Matters— Regulation and Rates."

## **Gas Supply**

NW Natural strives to secure sufficient, reliable supplies of natural gas to meet the needs of customers at the lowest reasonable cost, while maintaining price stability, managing gas purchase costs prudently and supporting our core value of environmental stewardship. This is accomplished through a comprehensive strategy focused on the following items:

- Reliability ensuring gas resource portfolios are sufficient to satisfy customer requirements under extreme cold weather conditions;
- Diverse Supply providing diversity of supply sources;
- Diverse Contracts maintaining a variety of contract durations, types, and counterparties;
- · Cost Management and Recovery employing prudent gas cost management strategies; and

• Environmental Stewardship - striving to reduce the carbon content and environmental impacts of the energy we deliver.

#### Reliability

To support system reliability, the NGD business has developed a risk-based methodology in which it uses a planning standard to serve the highest firm sales demand day in any year with 99% certainty.

The projected maximum design day firm NGD customer sales is approximately 10 million therms. Of this total, the NGD business is currently capable of meeting approximately 50% of the requirements with gas from storage located within or adjacent to its service territory, while the remaining supply requirements would come from gas purchases under firm gas purchase contracts and recall agreements.

NW Natural segments transportation capacity, which is a natural gas transportation mechanism under which a shipper can leverage its firm pipeline transportation capacity by separating it into multiple segments with alternate delivery routes. The reliability of service on these alternate routes will vary depending on the constraints of the pipeline system. For those segments with acceptable reliability, segmentation provides a shipper with increased flexibility and potential cost savings compared to traditional pipeline service. The NGD business relies on segmentation of firm pipeline transportation capacity that flows from Stanfield, Oregon to various points south of Molalla, Oregon.

We believe gas supplies would be sufficient to meet existing NGD firm customer demand in the event of maximum design day weather conditions.

The following table shows the sources of supply projected to be used to satisfy the design day sales for the 2022-23 winter heating season:

Therms in millions	Therms	Percent
Sources of NGD supply:		
Firm supply purchases	3.4	34 %
Mist underground storage (NGD only)	3.1	30 %
Company-owned LNG storage	1.9	19 %
Off-system storage contract	0.5	5 %
Pipeline segmentation capacity	0.6	6 %
Recall agreements	0.4	4 %
Peak day citygate deliveries	0.2	2 %
Total	10.1	100 %

The OPUC and WUTC have Integrated Resource Planning (IRP) processes in which utilities define different future scenarios and corresponding resource and compliance strategies in an effort to evaluate supply and demand resource and compliance requirements, consider uncertainties in the planning process and the need for flexibility to respond to changes, and establish a plan for providing reliable service while meeting carbon compliance obligations within frameworks that emphasize least cost and risk.

NW Natural generally files a full IRP biennially for Oregon and Washington with the OPUC and the WUTC, respectively, and files updates in Oregon between filings. The OPUC acknowledges NW Natural's action plan, whereas the WUTC provides notice that the IRP has met the requirements of the Washington Administrative Code. OPUC acknowledgment of the IRP does not constitute ratemaking approval of any specific resource acquisition strategy or expenditure. For additional information see Part II, Item 7, "Results of Operations—*Regulatory Matters*."

## **Diversity of Supply Sources**

NW Natural purchases gas supplies primarily from the Alberta and British Columbia provinces of Canada and multiple receipt points in the U.S. Rocky Mountains to protect against regional supply disruptions and to take advantage of price differentials. For 2022, 60% of gas supply came from Canada, with the balance primarily coming from the U.S. Rocky Mountain region. The extraction of shale gas has increased the availability of gas supplies throughout North America. We believe gas supplies available in the western United States and Canada are adequate to serve NGD customer requirements for the foreseeable future. NW Natural continues to evaluate the long-term supply mix based on projections of gas production and pricing in the U.S. Rocky Mountain region as well as other regions in North America.

NW Natural supplements firm gas supply purchases with gas withdrawals from gas storage facilities, including underground reservoirs and LNG storage facilities. Storage facilities are generally injected with natural gas during the off-peak months in the spring and summer, and the gas is withdrawn for use during peak demand months in the winter.

The following table presents the storage facilities available for NGD business supply:

	Maximum Daily Deliverability (therms in millions)	Designed Storage Capacity (Bcf)
Gas Storage Facilities		
Owned Facility		
Mist, Oregon (Mist Facility) ⁽¹⁾	3.1	11.7
Mist, Oregon (North Mist Facility) ⁽²⁾	1.3	4.1
Contracted Facility		
Jackson Prairie, Washington ⁽³⁾	0.5	1.1
LNG Facilities		
Owned Facilities		
Newport, Oregon	0.6	1.0
Portland, Oregon	1.3	0.6
Total	6.8	18.5

(1) The Mist gas storage facility has a total maximum daily deliverability of 5.1 million therms and a total designed storage capacity of about 17.5 Bcf, of which 3.1 million therms of daily deliverability and 11.7 Bcf of storage capacity are reserved for NGD business customers.
 (2) The Mist gas storage facility has a total maximum daily deliverability of 5.1 million therms and a total designed storage capacity of about 17.5 Bcf, of which 3.1 million therms of daily deliverability and 11.7 Bcf of storage capacity are reserved for NGD business customers.

⁽²⁾ The North Mist facility is contracted to exclusively serve Portland General Electric, a local electric utility, and may not be used to serve other NGD customers. See "*North Mist Gas Storage Facility*" below for more information.

⁽³⁾ The storage facility is located near Chehalis, Washington and is contracted from Northwest Pipeline, a subsidiary of The Williams Companies.

The Mist facility serves NGD segment customers and is also used for non-NGD purposes, primarily for contracts with gas storage customers, including utilities and third-party marketers. Under regulatory agreements with the OPUC and WUTC, gas storage at Mist can be developed in advance of NGD customer needs but is subject to recall when needed to serve such customers as their demand increases. When storage capacity is recalled for NGD purposes it becomes part of the NGD segment. In 2022, the NGD business did not recall additional deliverability or associated storage capacity to serve customer needs. The North Mist facility is contracted for the exclusive use of Portland General Electric, a local electric utility, and may not be used to serve other NGD customers. See "*North Mist Gas Storage Facility*" below.

#### **Diverse Contract Durations and Types**

NW Natural has a diverse portfolio of short-, medium-, and long-term firm gas supply contracts and a variety of contract types including firm and interruptible supplies as well as supplemental supplies from gas storage facilities.

The portfolio of firm gas supply contracts typically includes the following gas purchase contracts: year-round and winter-only baseload supplies; seasonal supply with an option to call on additional daily supplies during the winter heating season; and daily or monthly spot purchases.

During 2022, a total of 886 million therms were purchased under contracts with durations as follows:

Contract Duration (primary term)	Percent of Purchases
Long-term (one year or longer)	29 %
Short-term (more than one month, less than one year)	34
Spot (one month or less)	37
Total	100 %

Gas supply contracts are renewed or replaced as they expire. During 2022, there was one supplier that provided 10% of the NGD business gas supply requirements. No other individual supplier provided 10% or more of the NGD business gas supply requirements.

#### Gas Cost Management

The cost of gas sold to NGD customers primarily consists of the following items, which are included in annual Purchased Gas Adjustment (PGA) rates: gas purchases from suppliers; charges from pipeline companies to transport gas to our distribution system; gas storage costs; gas reserves contracts; gas commodity derivative contracts; and renewable natural gas and its attributes, including renewable thermal certificates (RTCs). We expect that costs to comply with Oregon's Climate Protection Program (CPP) and Washington's Climate Commitment Act (CCA) programs will be included in the cost of gas.

The NGD business employs a number of strategies to mitigate the cost of gas sold to customers. The primary strategies for managing gas commodity price risk include:

- negotiating fixed prices directly with gas suppliers;
- negotiating financial derivative contracts that: (1) effectively convert floating index prices in physical gas supply contracts to fixed prices (referred to as commodity price swaps); or (2) effectively set a ceiling or floor price, or both, on floating index priced physical supply contracts (referred to as commodity price options such as calls, puts, and collars);
- buying physical gas supplies at a set price and injecting the gas into storage for price stability and to minimize pipeline capacity demand costs; and
- investing in gas reserves for longer term price stability. See Note 13 for additional information about our gas reserves.

NW Natural also contracts with an independent energy marketing company to capture opportunities regarding storage and pipeline capacity when those assets are not serving the needs of NGD business customers. Asset management activities provide opportunities for cost of gas savings for customers and incremental revenues for NW Natural through regulatory incentive-sharing mechanisms. These activities, net of the amount shared, are included in other for segment reporting purposes.

#### Gas Cost Recovery

Mechanisms for gas cost recovery are designed to be fair and reasonable, with an appropriate balance between the interests of customers and NW Natural. In general, natural gas distribution rates are designed to recover the costs of, but not to earn a return on, the gas commodity sold. Risks associated with gas cost recovery are minimized by resetting customer rates annually through the PGA and aligning customer and shareholder interests through the use of sharing, weather normalization, and conservation mechanisms in Oregon. See Part II, Item 7, "Results of Operations—*Regulatory Matters*" and "Results of Operations—Business Segments—Natural Gas Distribution Operations—*Cost of Gas*".

#### Environmental Stewardship

Part of our gas supply strategy is working to reduce the carbon content and the environmental impacts of the energy we deliver. To that end, NW Natural developed and implemented an emissions screening tool that uses Environmental Protection Agency (EPA) data to calculate the relative emissions intensity of gas producer operations and prioritize purchases from lower emitting producers. In 2019, we began using this emissions intensity screening tool alongside other purchasing criteria such as price, credit worthiness and geographic diversity. The result has been a cost-neutral way to reduce carbon emissions associated with our natural gas supply.

NW Natural is focused on taking steps to lower its emissions on behalf of customers by purchasing environmental attributes that are generated by the production of renewable natural gas (RNG). Under Oregon Senate Bill 98, NW Natural can purchase or invest in RNG facilities, which generate these environmental attributes known as Renewable Thermal Certificates (RTCs). The RTCs work like renewable energy certificates, or RECs, used in electricity markets. RTCs are verified and certified by the Midwest Renewable Energy Tracking System (M-RETS). The M-RETS Renewable Thermal Tracking System issues one RTC for every dekatherm of RNG injected into the gas system. NW Natural enters into contracts for the purchase of RNG and RTCs either through periodic request for proposals or through formal offerings or informal requests. See Part II, Item 7, "Results of Operations—*Regulatory Matters*".

In addition to purchases of RNG, NW Natural is subject to the carbon-reduction requirements of the Oregon CPP and the Washington CCA programs. NW Natural has modeled pathways to compliance with the CPP and CCA in its most recent IRP, which are currently under review by the OPUC and WUTC. While costs associated with each possible compliance pathway differ, we intend to pursue recovery of the costs associated with these programs in rates.

## Transportation of Gas Supplies

NW Natural's gas distribution system is reliant on a single, bi-directional interstate transmission pipeline to bring gas supplies into the natural gas distribution system. Although dependent on a single pipeline, the pipeline's gas flows into the Portland metropolitan market from two directions: (1) the north, which brings supplies from the British Columbia and Alberta supply basins; and (2) the east, which brings supplies from Alberta as well as the U.S. Rocky Mountain supply basins.

NW Natural incurs monthly demand charges related to firm pipeline transportation contracts. These contracts have expiration dates ranging from 2023 to 2061. The largest pipeline agreements are with Northwest Pipeline. NW Natural actively works with Northwest Pipeline and others to renew contracts in advance of expiration to ensure gas transportation capacity is sufficient to meet customer needs.

Rates for interstate pipeline transportation services are established by FERC within the U.S. and by Canadian authorities for services on Canadian pipelines.

#### **Gas Distribution**

Safety and the protection of employees, customers, and our communities are, and will remain, top priorities. NW Natural constructs, operates, and maintains its pipeline distribution system and storage operations with the goal of ensuring natural gas is delivered and stored safely, reliably, and efficiently.

NW Natural has one of the most modern distribution systems in the country with no identified cast iron pipe or bare steel main. Since the 1980s, NW Natural has taken a proactive approach to replacement programs and partnered with the OPUC and WUTC on progressive regulation to further safety and reliability efforts for the distribution system. In the past, NW Natural had a cost recovery program in Oregon that encompassed programs for cast iron replacement, bare steel replacement, transmission integrity management, and distribution integrity management programs as appropriate.

Natural gas distribution businesses are likely to be subject to greater federal and state regulation in the future. Additional operating and safety regulations from the U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration (PHMSA) are currently under development. In 2016, PHMSA issued a notice of proposed rulemaking titled the "Safety of Gas Transmission Pipelines: MAOP Reconfirmation, Expansion of Assessment Requirements, and Other Related Amendments." In 2019, PHMSA issued the first of three portions of the rulemaking which went into effect on July 1, 2020 and includes up to a 15-year timeline for compliance. The second portion of the rule known as the gas gathering rule was issued in late 2021, and final rulemaking titled "The Safety of Gas Transmission Pipelines: Repair Criteria, Integrity Management Improvements, Cathodic Protection, Management of Change, and Other Related Amendments" was issued in August 2022. A Gas Pipeline Leak Detection rule is expected to be issued in 2023. NW Natural intends to continue to work diligently with industry associations as well as federal and state regulators to support the safety of the system and compliance with new laws and regulations. We expect the costs associated with compliance with federal, state, and local laws and regulations to be recovered in rates.

#### North Mist Gas Storage Facility

In May 2019, NW Natural completed an expansion of its existing gas storage facility near Mist, Oregon. The North Mist facility provides long-term, no-notice underground gas storage service and is dedicated solely to Portland General Electric (PGE) under a 30-year contract with options to extend up to an additional 50 years upon mutual agreement of the parties. PGE uses the facility to fuel its gas-fired electric power generation facilities, which backs up PGE's variable load of renewable energy on the electric grid.

North Mist includes a reservoir providing 4.1 Bcf of available storage, an additional compressor station with a contractual capacity of 120,000 dekatherms of gas deliverability per day, no-notice service that can be drawn on rapidly, and a 13-mile pipeline to connect to PGE's Port Westward gas plants in Clatskanie, Oregon.

Upon placement into service in May 2019, the facility was included in rate base under an established tariff schedule with revenues recognized consistent with the schedule. Billing rates are updated annually to the forecasted depreciable asset level and forecasted operating expenses.

While there are additional expansion opportunities in the Mist storage field, any expansion would be based on market demand, cost effectiveness, available financing, receipt of future permits, and other rights.

## OTHER

Certain businesses and activities of NW Holdings and NW Natural are aggregated and reported as other for segment reporting purposes.

## NW Natural

The following businesses and activities are aggregated and reported as other under NW Natural, a wholly-owned subsidiary of NW Holdings:

- 5.8 Bcf of the Mist gas storage facility contracted to other utilities and third-party marketers;
- · natural gas asset management activities; and
- appliance retail center operations.

#### Mist Gas Storage

The Mist gas storage facility began operations in 1989. It is a 17.5 Bcf facility with 11.7 Bcf used to provide gas storage for the NGD business. The remaining 5.8 Bcf of the facility is contracted with other utilities and third-party marketers with these results reported in other. In 2022, NW Natural utilized 0.5 Bcf of increased storage capacity realized through reservoir expansion during more than 15 years of delta pressure operations. This change increased the working gas capacity from 17.0 Bcf in 2021 to 17.5 Bcf in 2022.

The overall facility consists of seven depleted natural gas reservoirs, 22 injection and withdrawal wells, a compressor station, dehydration and control equipment, gathering lines, and other related facilities. The capacity at Mist serving other utilities and third-party marketers provides multi-cycle gas storage services to customers in the interstate and intrastate markets. The interstate storage services are offered under a limited jurisdiction blanket certificate issued by FERC. Under NW Natural's interstate storage certificate with FERC, NW Natural is required to file either a petition for rate approval or a cost and revenue study every five years to change or justify maintaining the existing rates for the interstate storage service. Intrastate firm storage services in Oregon are offered under an OPUC-approved rate schedule as an optional service to certain eligible customers. Gas storage revenues from the 5.8 Bcf are derived primarily from firm service customers who provide energy-related services,

including natural gas distribution, electric generation, and energy marketing. The Mist facility benefits from limited competition as there are few storage facilities in the Pacific Northwest region. Therefore, NW Natural is able to acquire high-value, multi-year contracts.

#### Asset Management Activities

NW Natural contracts with an independent energy marketing company to provide asset management services, primarily through the use of natural gas commodity exchange agreements and natural gas pipeline capacity release transactions. The results of these activities are included in other, except for the asset management revenues allocated to NGD business customers pursuant to regulatory agreements, which are reported in the NGD segment.

## **NW Holdings**

These include the following businesses and activities aggregated under NW Holdings:

- NW Natural Water Company, LLC (NWN Water) and its water and wastewater utility operations;
- NWN Water's equity investment in Avion Water Company, Inc.;
- NW Natural Renewables Holdings, LLC and its non-regulated renewable natural gas activities;
- a minority interest in the Kelso-Beaver Pipeline held by our wholly-owned subsidiary NNG Financial Corporation (NNG Financial); and
- holding company and corporate activities, including business development activities, as well as adjustments made in consolidation.

#### NW Natural Water

NWN Water currently serves an estimated 155,000 people through approximately 62,500 water and wastewater connections across five states. NWN Water continues to grow though customer additions within or near its service territories, and continues to pursue acquisitions. For recently acquired water utilities, see further discussion about the status of water general rate cases in Part II, Item 7, "Results of Operations—Regulatory Matters—*Water General Rate Cases*."

The water and wastewater utilities primarily serve residential and commercial customers. Water distribution operations are seasonal in nature with peak demand during warmer summer months, while wastewater is less seasonally affected. Entities generally operate in exclusive service territories with no direct competitors. Water distribution customer rates are regulated by state utility commissions while the wastewater businesses we own consist of some state regulated systems and some systems that are not rate regulated by utility commissions.

#### NW Natural Renewables

NW Natural Renewables is a newly formed non-regulated subsidiary of NW Natural Holdings established to invest in renewable energy through the production and supply of lower-carbon fuels. NW Natural Renewables' first project is with a subsidiary of EDL, a global producer of sustainable distributed energy. In September 2021, a subsidiary of NW Natural Renewables and a subsidiary of EDL executed agreements, whereby the subsidiary of NW Natural Renewables committed \$50 million toward the development of two production facilities that are designed to convert landfill waste gases to RNG and connect gas production to existing regional pipeline networks. Testing and commissioning of the production facilities is expected to occur in the spring of 2023. Alongside these development agreements, a subsidiary of NW Natural Renewables and a subsidiary of EDL executed agreements designed to secure a 20-year supply of RNG produced from the facilities for NW Natural Renewables. In 2022, NW Natural Renewables executed a four-year off-take agreement with a counterparty for the near-term RNG production. NW Natural Renewables is currently in discussions with other counterparties to contract the remaining RNG production under long-term contracts.

## ENVIRONMENTAL MATTERS

## Properties and Facilities

NW Natural owns, or previously owned, properties and facilities that are currently being investigated that may require environmental remediation and are subject to federal, state, and local laws and regulations related to environmental matters. These laws and regulations may require expenditures over a long time frame to address certain environmental impacts. Estimates of liabilities for environmental costs are difficult to determine with precision because of the various factors that can affect their ultimate disposition. These factors include, but are not limited to, the following:

- the complexity of the site;
- changes in environmental laws and regulations at the federal, state, and local levels;
- the number of regulatory agencies or other parties involved;
- new technology that renders previous technology obsolete, or experience with existing technology that proves ineffective;
- the level of remediation required;
- variations between the estimated and actual period of time that must be dedicated to respond to an environmentallycontaminated site; and
- the application of environmental laws that impose joint and several liabilities on all potentially responsible parties.

NW Natural has received recovery of a portion of such environmental costs through insurance proceeds, seeks the remainder of such costs through customer rates, and believes recovery of these costs is probable. In both Oregon and Washington, NW Natural has mechanisms to recover expenses. Oregon recoveries are subject to an earnings test. See Part II, Item 7, "Results of Operations-Regulatory Matters-Rate Mechanisms-Environmental Cost Deferral and Recovery", and Note 2 and Note 17 of the Consolidated Financial Statements in Item 8 of this report for more information.

## **Greenhouse Gas Matters**

For information concerning greenhouse gas matters, see Part II, Item 7, "Results of Operations-Environmental Regulation and Legislation Matters."

## HUMAN CAPITAL

Our core values of integrity, safety, caring, service ethic, and environmental stewardship guide how we engage with customers, stakeholders, shareholders, and communities. We actively work to foster these values in our employee culture and to nurture an inclusive and equitable environment that provides opportunities, prioritizes health and safety, encourages respect and trust, and supports growth and learning. We aim to recruit and retain employees who share our core values and reflect our communities.

## **Employees**

At December 31, 2022, our workforce consisted of the following:

NW Natural:	
Unionized employees ⁽¹⁾	575
Non-unionized employees	574
Total NW Natural	1,149
Other Entities:	
Water and wastewater company employees	105
Other	4
Total other entities	109
Total Employees	1,258
⁽¹⁾ Members of the Office and Professional Employees International Union (OPEIU) Local No. 11. AEL-CIO	

Members of the Office and Professional Employees International Union (OPEIU) Local No. 11, AFL-CIO.

NW Natural's labor agreement with members of OPEIU covers wages, benefits, and working conditions. In November 2019, NW Natural's unionized employees ratified a collective bargaining agreement that took effect on December 1, 2019 and extends to May 31, 2024, and thereafter from year to year unless either party serves notice of its intent to negotiate modifications to the collective bargaining agreement. During calendar year 2022, NW Natural did not incur any work stoppages (strikes or lockouts), and therefore, experienced zero idle days for the year.

Certain subsidiaries may receive services from employees of other subsidiaries. When such services involve regulated entities, those entities receiving services reimburse the entity providing services pursuant to shared services agreements, as applicable.

## Safety

Safety is one of our greatest responsibilities to employees. In managing the business, we strive to foster a safety culture focused on prevention, open communication, collaboration, and a strong service and safety ethic. We believe employee safety is critical to our success. A portion of executives' compensation is tied to achieving our safety metrics, and our Board of Directors regularly reviews company safety metrics. NW Natural's health and safety policies and procedures are designed to comply with all applicable regulations, but we also work to go beyond compliance by striving to incorporate industry best practices and benchmarking.

As part of our commitment to employee health and safety, we maintain regular training programs, emergency preparedness procedures, and specific training and procedures to identify hazards and handle high-risk emergency situations. Employees complete classroom instruction and hands-on, scenario-based training at our training facility in Oregon that allows employees to experience realistic situations in a controlled environment. We also host natural gas safety training events for first responders, which are designed to prepare those first responders and NW Natural field employees to deliver an integrated, seamless response in the event of an emergency that involves or affects the natural gas system. We navigated, and continue to navigate. the COVID-19 pandemic to help keep people safe. We also implemented a new learning management system that went live in early 2021 and provides more efficiency and flexibility in how we train.

## **Employee Benefits and Support**

To attract employees and meet the needs of our workforce, NW Natural strives to offer competitive compensation and benefits packages to employees. The benefits package options vary depending on type of employee and date of hire. NW Natural continuously looks for ways to support employees' work-life balance and well-being and this is reflected in physical, mental and financial wellness programs to meet the needs of our employees and help them care for their families. Benefits available to employees during 2022 included, among others: healthcare and other insurance coverages, wellness resources, retirement and savings plans, paid time off programs, and flexible and hybrid work schedules, where possible, employee resource groups, and culture and community-focused resources and opportunities, and employee recognition programs and discounts.

## **Talent Attraction and Development**

In order to implement our business strategy and serve our customers, we depend upon our continuing ability to attract and retain diverse, talented professionals and a technically skilled workforce, and being able to transfer the knowledge and expertise of our workforce to new and increasingly diverse employees as our largely older workforce retires. A significant portion of our workforce is currently eligible or will reach retirement eligibility within the next five years, and therefore, we are focused on efforts to attract, train, and retain appropriately qualified and skilled workers to prevent loss of institutional knowledge or skills gaps.

NW Natural seeks to provide its employees with growth and development opportunities through programs designed to build skills and relationships. These programs currently include: (i) a culturally relevant mentoring program that creates opportunities for career growth by building relationships; (ii) a tuition assistance program for qualified educational pursuits; (iii) an internal class that provides participants with a big-picture understanding of the industry and company operations, equipping them to see how they contribute to NW Natural's success and identify opportunities for career growth; (iv) internal and external continuing educational courses relevant to areas of expertise; and (v) ongoing management and leadership training programs.

We regularly monitor employee engagement and satisfaction through a variety of tools, including our annual engagement survey that is designed to enable company leaders to gather valuable feedback and guidance from employees.

## **Diversity, Equity and Inclusion**

We have a longstanding commitment to creating a diverse and inclusive culture that reflects and supports the communities we serve, and believe a diverse, equitable, and inclusive workforce at all levels contributes to long-term success. Our efforts in recruiting, promoting, and retaining diverse talent, building inclusive teams, and creating a culture that embraces differences are at the core of our workforce strategy. To attract diverse candidates, we work with community partners to help promote awareness of job opportunities within diverse communities.

We have employee-led groups that develop programs and activities that build awareness around issues important to their coworkers, families, customers, and our community. Groups include the Diversity, Equity & Inclusion Council, Women's Network, African American, Rainbow Alliance (LGBTQ+), Veterans, Somos Unidos (Latinx), Asian American, and Neurodiversity employee resource groups, Wellness Advisory Committee, and Sustainability and Equity Engagement Team. We also continue to emphasize diversity, equity and inclusion values through employee training and education, including expanded diversity training as part of new hire onboarding and other diversity, equity, and inclusion education that occurs throughout the year. An area of focus going forward is to understand and increase awareness of internal systems and structures that could limit representation and equity for underrepresented employees. To that end, we are working toward revising and refocusing new manager and new hire training to include implicit bias, diversity, equity and inclusion, and anti-racism education.

## INFORMATION ABOUT OUR EXECUTIVE OFFICERS

For information concerning executive officers, see Part III, Item 10.

## AVAILABLE INFORMATION

NW Holdings and NW Natural file annual, quarterly and current reports and other information with the Securities and Exchange Commission (SEC). The SEC maintains an Internet site where reports, proxy statements, and other information filed can be read, copied, and requested online at its website (<u>www.sec.gov</u>). In addition, we make available, free of charge, on our website (<u>www.nwnaturalholdings.com</u>), our annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K, and amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) and proxy materials filed under Section 14 of the Securities Exchange Act of 1934, as amended (Exchange Act), as soon as reasonably practicable after we electronically file such material with, or furnish it to, the SEC. We intend to use our website as a means of disclosing material non-public information and for complying with our disclosure obligations under Regulation FD. Accordingly, investors should monitor our website, in addition to following our press releases, SEC filings and public conference calls and webcasts. We have included our website address as an inactive textual reference only. Information contained on our website is not incorporated by reference into this annual report on Form 10-K.

NW Holdings and NW Natural have adopted a Code of Ethics for all employees, officers, and directors that is available on our website. We intend to disclose revisions and amendments to, and any waivers from, the Code of Ethics for officers and directors on our website. Our Corporate Governance Standards, Director Independence Standards, charters of each of the committees of

the Board of Directors, and additional information about NW Holdings and NW Natural are also available at the website. Copies of these documents may be requested, at no cost, by writing or calling Shareholder Services, Northwest Natural Holding Company, 250 S.W. Taylor Street, Portland, Oregon 97204, telephone 503-220-2402.

# ITEM 1A. RISK FACTORS

NW Holdings' and NW Natural's business and financial results are subject to a number of risks and uncertainties, many of which are not within our control, which could adversely affect our business, financial condition, and results of operations. Additional risks and uncertainties that are not currently known to us or that are not currently believed by us to be material may also harm our businesses, financial condition, and results of operations. When considering any investment in NW Holdings' or NW Natural's securities, investors should carefully consider the following information, as well as information contained in the caption "Forward-Looking Statements", Item 7A, and our other documents filed with the SEC. This list is not exhaustive and the order of presentation does not reflect management's determination of priority or likelihood. Additionally, our listing of risk factors that primarily affects one of our businesses does not mean that such risk factor is inapplicable to our other businesses.

## Legal, Regulatory and Legislative Risks

**REGULATORY RISK.** Regulation of NW Holdings' and NW Natural's regulated businesses, including changes in the regulatory environment, failure of regulatory authorities to approve rates which provide for timely recovery of costs and an adequate return on invested capital, or an unfavorable outcome in regulatory proceedings may adversely impact NW Holdings' and NW Natural's financial condition and results of operations.

The OPUC and WUTC have general regulatory authority over NW Natural's gas business in Oregon and Washington. NW Holdings' regulated water utility businesses are generally regulated by the public utility commission in the state in which a water business is located. These public utility commissions have broad regulatory authority, including: the rates charged to customers; authorized rates of return on rate base, including ROE; the amounts and types of securities that may be issued by our regulated utility companies, like NW Natural; services our regulated utility companies provide and the manner in which they provide them; the nature of investments our utility companies make; deferral and recovery of various expenses, including, but not limited to, pipeline replacement, environmental remediation costs, capital and information technology investments, commodity hedging expense, and certain employee benefit expenses such as pension costs; transactions with affiliated interests; regulatory adjustment mechanisms such as weather adjustment mechanisms, and other matters. The OPUC also regulates actions investors may take with respect to our utility companies, NW Natural and NW Holdings. Similarly, FERC has regulatory authority over NW Natural's interstate storage services. Expansion of our businesses generally results in regulation by other regulatory authorities. For example, certain of NW Holdings water companies are regulated in Idaho, Texas and Arizona.

The costs that are deemed recoverable in rates and prices regulators allow us to charge for regulated utility service, and the maximum FERC-approved rates FERC authorizes us to charge for interstate storage and related transportation services, are the most significant factors affecting both NW Natural's and NW Holdings' financial position, results of operations and liquidity. State utility regulators have the authority to disallow recovery of costs they find imprudently incurred or otherwise disallowed, and rates that regulators allow may be insufficient for recovery of costs we incur. We expect to continue to make expenditures to expand, improve and safely operate our gas and water utility distribution and gas storage systems, and to work toward decarbonizing our gas systems. Regulators can deny recovery of those costs. Furthermore, while each applicable state regulator has established an authorized rate of return for our regulated utility businesses, we may not be able to achieve the earnings level authorized. Moreover, in the normal course of business we may place assets in service or incur higher than expected levels of operating expense before rate cases can be filed to recover those costs (this is commonly referred to as regulatory lag). The failure of any regulatory commission to approve requested rate increases on a timely basis to recover costs or to allow an adequate return could adversely impact NW Holdings' or NW Natural's financial condition, results of operations and liquidity.

As companies with regulated utility businesses, we frequently have dockets open with our regulators. The regulatory proceedings for these dockets typically involve multiple parties, including governmental agencies, consumer, environmental, and other advocacy groups, and other third parties. Each party advocates for the interests that they represent, which may include lower rates, additional regulatory oversight over the company, limitations on growth or phasing out of the gas system, decisions that favor electrification, or advancing other interests. We cannot predict the timing or outcome of these proceedings, or the effects of those outcomes on NW Holdings' and NW Natural's results of operations and financial condition.

**REGULATION, COMPLIANCE AND TAXING AUTHORITY RISK.** *NW* Holdings and NW Natural are subject to governmental regulation, and compliance with local, state and federal requirements, including taxing requirements, and unforeseen changes in or interpretations of such requirements could affect NW Holdings' or NW Natural's financial condition and results of operations.

NW Holdings and NW Natural are subject to regulation by federal, state and local governmental authorities. We are required to comply with a variety of laws and regulations and to obtain authorizations, permits, approvals and certificates from governmental agencies in various aspects of our business. Significant changes in federal, state, or local governmental leadership can accelerate or amplify changes in existing laws or regulations, or the manner in which they are interpreted or enforced. For instance, the 2020 United States Presidential election resulted in leadership changes in many federal administrative agencies and resulted in a wide range of new policies, executive orders, rules, initiatives and other changes to fiscal, tax, regulation,

environmental, climate and other federal policies, many of which have components that affect the energy sector. Similarly, although party leadership in Oregon and Washington did not significantly change in the most recent election, we could continue to face significant legislative, regulatory and other policy changes in the jurisdictions in which we operate. In addition, foreign governments may implement changes to their policies, in response to changes to U.S. policy or otherwise. Although we cannot predict the impact, if any, of these changes to our businesses, they could adversely affect NW Holdings' or NW Natural's financial condition and results of operations. Until we know what policy changes are made and how those changes impact our businesses and the business of our competitors over the long term, we will not know if, overall, we will benefit from them or will be negatively affected by them.

We cannot predict changes in laws, regulations, interpretations or enforcement or the impact of such changes. Additionally, any failure to comply with existing or new laws and regulations could result in fines, penalties or injunctive measures. For example, under the Energy Policy Act of 2005, the FERC has civil authority under the Natural Gas Act to impose penalties for current violations of nearly \$1.5 million per day for each violation. In addition, as the regulatory environment for our businesses increases in complexity, the risk of inadvertent noncompliance may also increase. Changes in regulations, the imposition of additional regulations, and the failure to comply with laws and regulations could negatively influence NW Holdings' or NW Natural's operating environment and results of operations.

Additionally, changes in federal, state, local or foreign tax laws and their related regulations, or differing interpretations or enforcement of applicable law by a federal, state, local or foreign taxing authority, could result in substantial cost to us and negatively affect our results of operations. Tax law and its related regulations and case law are inherently complex and dynamic. Disputes over interpretations of tax laws may be settled with the taxing authority in examination, through programs like the Compliance Assurance Process (CAP), upon appeal or through litigation. Our judgments may include reserves for potential adverse outcomes regarding tax positions that have been or plan to be taken that may be subject to challenge by taxing authorities. Changes in laws, regulations or adverse judgments and the inherent difficulty in quantifying potential tax effects of business decisions may negatively affect NW Holdings' or NW Natural's financial condition and results of operations.

Furthermore, certain tax assets and liabilities, such as deferred tax assets and regulatory tax assets and liabilities, are recognized or recorded by NW Holdings or NW Natural based on certain assumptions and determinations made based on available evidence, such as projected future taxable income, tax-planning strategies, and results of recent operations. If these assumptions and determinations prove to be incorrect, the recorded results may not be realized, which may negatively impact the financial results of NW Holdings and NW Natural.

There is uncertainty as to how our regulators will reflect the impact of the legislation and other government regulation in rates. The resulting ratemaking treatment may negatively affect NW Holdings' or NW Natural's financial condition and results of operations.

**REPUTATIONAL RISKS.** Customers', legislators', regulators' and other third parties' opinions of NW Holdings and NW Natural are affected by many factors, including system and fuel reliability and safety, protection of customer information, rates, actual or perceived effects of our products, media coverage, and public sentiment. To the extent that customers, legislators, or regulators have or develop a negative opinion of our businesses, NW Holdings' and NW Natural's financial position, results of operations and cash flows could be adversely affected.

A number of factors can affect customers', legislators', regulators', and other third parties' perception of us or our business including: service interruptions or safety concerns due to failures of equipment or facilities or from other causes, and our ability to promptly respond to such failures; our ability to safeguard sensitive customer information; the timing and magnitude of rate increases; and volatility of rates. Customers', legislators', and regulators' opinions of us can also be affected by media coverage, including the proliferation of social media, which may include information, whether factual or not, that could damage the perception of natural gas, our brand, or our reputation.

Although we believe that natural gas serves an important role in helping our region reduce GHG emissions and move to a resilient lower-carbon energy system, certain advocacy groups have opposed the use of natural gas as a fuel source altogether and have pursued policies that limit, restrict, or impose additional costs on, the use of natural gas in a variety of contexts. Concerns raised about the use of natural gas include the potential for natural gas explosions or delivery disruptions, methane leakage along production, transportation and delivery systems, and end-use equipment, and contribution of natural gas energy use to GHG emission levels and global warming. Similarly, concerns have also been raised regarding the use of RNG or hydrogen in place of natural gas. In addition, studies and claims by advocacy groups contend that there are detrimental indoor public health effects associated with the use of natural gas, which may also impact public perception. Shifts in public sentiment due to these concerns or others that may be raised may impact further legislative initiatives, regulatory actions, and litigation, as well as behaviors and perceptions of customers, investors, lawmakers, and regulators.

If customers, legislators, regulators, or other third parties have or develop a negative opinion of us and our services, or of natural gas as an energy source generally, this could make it more difficult for us to achieve policy, legislative or regulatory outcomes supportive of our business. Negative opinions could also result in reduced customer growth, sales volumes reductions, increased use of other sources of energy, or difficulties in accessing capital markets. Any of these consequences could adversely affect NW Holdings' or NW Natural's financial position, results of operations and cash flows.

**REGULATORY ACCOUNTING RISK.** In the future, NW Holdings or NW Natural may no longer meet the criteria for continued application of regulatory accounting practices for all or a portion of our regulated operations.

If we can no longer apply regulatory accounting, we could be required to write off our regulatory assets and precluded from the future deferral of costs not recovered through rates at the time such amounts are incurred, even if we are expected to recover these amounts from customers in the future.

#### COVID-19 Risk

**PUBLIC HEALTH RISK**. The continuation of the novel coronavirus (COVID-19) and the resulting economic conditions, or the emergence of other epidemic or pandemic crises, could materially and adversely affect NW Holdings' and NW Natural's business, results of operations, or financial condition.

The novel coronavirus (COVID-19), which was declared a pandemic by the World Health Organization in March 2020, has resulted in widespread and severe global, national and local economic and societal disruptions. As recovery from the COVID-19 pandemic continues, resurgences or mutations of the virus, could ultimately adversely affect our business by, among other things:

- impacting the health, safety, productivity and availability of our employees and contractors;
- · disrupting our access to capital markets or increasing costs of capital affecting our liquidity in the future;
- reducing demand for natural gas, particularly from commercial and industrial customers that are suffering slow-downs or ultimately close completely due to pandemic effects;
- · reducing customer growth and new meter additions due to less economic, construction or conversion activity;
- limiting our ability to collect on overdue accounts or disconnect gas service for nonpayment, beyond an amount or period of time acceptable to us;
- increasing our operating costs for emergency supplies, personal protective equipment, cleaning services and supplies, remote technology and other specific needs;
- · impacting our capital expenditures if construction activities are suspended or delayed;
- sickening or causing a mandatory quarantine of a large percentage of our workforce, or key workgroups with specialized skill sets, impairing our ability to perform key business functions or execute our business continuity plans;
- impacting our or our contractors' or suppliers' ability to recruit and retain qualified personnel or otherwise impairing the functioning of our supply chain or ability to rely on third parties or business partners;
- adversely affecting the asset values of NW Natural's defined benefit pension plan or causing a failure to maintain sustained growth in pension investments over time, increasing our contribution requirements;
- limiting, delaying or curtailing entirely, public utility commissions' ability to approve or authorize applications or other requests we may make with respect to our regulated businesses;
- · increasing volatility in the price of natural gas; and
- · creating additional cybersecurity vulnerabilities due to ongoing heavy reliance on remote working.

Additionally, the long-term effects of COVID-19 or other pandemics could create prolonged unfavorable economic conditions, slowed economic growth, inflation, which may continue to rise, or an economic recession that may result in or be accompanied by unprecedented unemployment rates and declines in the value of certain assets, adversely affecting the income and financial resources of many domestic households and businesses. It is unclear whether governmental responses to these conditions will lessen the severity or duration of any economic effects. Our operational and financial results would likely be affected by such economic conditions. Less new housing construction, fewer conversions to natural gas, higher levels of residential foreclosures and vacancies, and personal and business bankruptcies or reduced spending could all negatively affect our financial condition and results of operations.

The ultimate long-term impact of COVID-19 on our business cannot be predicted and will depend on factors beyond our knowledge or control, including resurgences of the pandemic and residual economic effects, actions taken to mitigate its effects, and the extent to which normal economic and operating conditions can continue. Any of these factors could have an adverse effect on our business, outlook, financial condition, and results of operations and cash flows, which could be significant.

## **Growth and Strategic Risks**

**STRATEGIC TRANSACTION RISK.** *NW* Holdings' and *NW* Natural's ability to successfully complete strategic transactions, including mergers, acquisitions, combinations, divestitures, joint ventures, business development projects or other strategic transactions is subject to significant risks, including the risk that required regulatory or governmental approvals may not be obtained, risks relating to unknown problems or liabilities or problems or liabilities undisclosed to us, and the risk that for these or other reasons, we may be unable to achieve some or all of the benefits that we anticipate from such transactions, which could adversely affect NW Holdings' or NW Natural's financial condition, results of operations, and cash flows.

From time to time, NW Holdings and NW Natural have pursued and may continue to pursue strategic transactions including mergers, acquisitions, combinations, divestitures, joint ventures, business development projects or other strategic transactions, including, but not limited to, investments in RNG projects on a regulated basis by NW Natural and on a non-regulated basis by NW Holdings, as well as acquisitions by NW Holdings in the water and wastewater sectors. Any such transactions involve substantial risks, including the following:

such transactions that are contracted for may fail to close for a variety of reasons;

- the result of such transactions may not produce revenues, earnings or cash flow at anticipated levels, which could, among other things, result in the impairment of any investments or goodwill associated with such transactions;
- acquired businesses or assets could have environmental, permitting, or other problems for which contractual protections
  prove inadequate;
- there may be difficulties in integration or operation costs of new businesses;
- there may exist liabilities that were not disclosed to us, that exceed our estimates, or for which our rights to indemnification from the seller are limited;
- we may be unable to obtain the necessary regulatory or governmental approvals to close a transaction or receive approvals granted subject to terms that are unacceptable to us;
- we may be unable to achieve the anticipated regulatory treatment of any such transaction as part of the transaction approval or subsequent to closing the transaction; or
- we may be unable to avoid a disposition of assets for a price that is less than the book value of those assets.

One or more of these risks could affect NW Holdings' and NW Natural's financial condition, results of operations, and cash flows.

**BUSINESS DEVELOPMENT RISK.** NW Holdings' and NW Natural's business development projects may not be successful or may encounter unanticipated obstacles, costs, changes or delays that could result in a project being unsuccessful or becoming impaired, which could negatively impact NW Holdings' or NW Natural's financial condition, results of operations and cash flows.

Business development projects involve many risks. We are currently engaged in several business development projects, including, but not limited to, several water, wastewater and RNG projects. We may also engage in other business development projects such as investments in additional long-term gas reserves, non-regulated investments in RNG projects, and purchasing, marketing and reselling of RNG and its associated attributes, CNG refueling stations, power to gas or hydrogen projects or other similar projects. Our business development activities are subject to uncertainties and changed circumstances and may not reach the scale expected, be successful or perform as anticipated. Additionally, we may not be able to obtain required governmental permits and approvals to complete our projects in a cost-efficient or timely manner, potentially resulting in delays or abandonment of the projects. We could also experience issues such as: technological challenges; ineffective scalability; failure to achieve expected outcomes; unsuccessful business models; startup and construction delays; construction cost overruns; disputes with contractors; the inability to negotiate acceptable agreements such as rights-of-way, easements, construction, gas supply or other material contracts; changes in customer demand, perception or commitment; public opposition to projects; marketing risk and changes in market regulation, behavior or prices, market volatility or unavailability, including markets for RNG and its associated attributes or other environmental attributes; the inability to receive expected tax or regulatory treatment; and operating cost increases. Additionally, we may be unable to finance our business development projects at acceptable costs or within a scheduled time frame necessary for completing the project. Any of the foregoing risks, if realized, could result in business development efforts failing to produce expected financial results and the project investment becoming impaired, and such failure or impairment could have an adverse effect on NW Holdings' or NW Natural's financial condition and results of operations.

**JOINT PARTNER RISK.** Investing in business development projects through partnerships, joint ventures or other business arrangements affects our ability to manage certain risks and could adversely impact NW Holdings' or NW Natural's financial condition, results of operations and cash flows.

We use joint ventures and other business arrangements to manage and diversify the risks of certain development projects, including NW Natural's gas reserves agreements and certain RNG projects. NW Holdings or NW Natural currently has and may further acquire or develop part-ownership interests in other projects in the future, including but not limited to, natural gas, water, wastewater, RNG, or hydrogen projects. Under these arrangements, we may not be able to fully direct the management and policies of the business relationships, and other participants in those relationships may act contrary to our interests, including making operational decisions that could negatively affect our costs and liabilities. In addition, other participants may withdraw from the project, divest important assets, become financially distressed or bankrupt, or have economic or other business interests or goals that are inconsistent with ours. We have in the past and may in the future become involved in disputes with our business partners, which could result in additional cost or divert management's attention.

NW Natural's gas reserves arrangements, which operate as a hedge backed by physical gas supplies, involve a number of risks, including: gas production that is significantly less than the expected volumes, or no gas volumes; operating costs that are higher than expected; inherent risks of gas production, including disruption to operations or a complete shut-in of the field; and one or more participants in one of these gas reserves arrangements becoming financially insolvent or acting contrary to NW Natural's interests. For example, while Jonah Energy, the counterparty in NW Natural's gas reserves arrangement, has recently issued asset-backed notes that are rated by credit agencies, Jonah Energy has previously experienced several credit rating downgrades and did not maintain any credit ratings for much of 2022. Although NW Natural intends to continue monitoring Jonah Energy's financial condition and take appropriate actions to preserve NW Natural's interests, it does not control Jonah Energy's financial condition or continued performance under the gas reserves arrangement. The cost of the original gas reserves venture is currently included in customer rates and additional wells under that arrangement are recovered at specific costs, the occurrence of one or more of these risks could affect NW Natural's ability to recover this hedge in rates. Further, new gas reserves arrangements have not been approved for inclusion in rates, and regulators may ultimately determine to not include all

or a portion of future transactions in rates. The realization of any of these situations could adversely impact NW Holdings' or NW Natural's financial condition, results of operations and cash flows.

**CUSTOMER GROWTH RISK.** NW Holdings' and NW Natural's NGD margin, earnings and cash flow may be negatively affected if we are unable to sustain customer growth rates in our NGD segment.

NW Natural's NGD margins and earnings growth have largely depended upon the sustained growth of its residential and commercial customer base due, in part, to the new construction housing market, conversions of customers to natural gas from other energy sources and growing commercial use of natural gas. Building codes recently enacted and others under consideration in our territory may have the effect of reducing our natural gas customer growth rate. For example, effective February 1, 2021, building codes in Washington state require new residential homes to achieve higher levels of energy efficiency based on specified carbon emissions assumptions, which calculate electric appliances to have lower on-site GHG emissions than comparable gas appliances. This increases the cost of new home construction incorporating natural gas depending on a number of factors including home size, equipment configurations, and building envelope measures. Additionally, the Washington State Building Code Council (SBCC) voted in April 2022 to include updates in the state commercial building energy code that are expected to restrict or eliminate the use of gas space and water heating in new commercial construction. In early November, the SBCC voted to include updates to the state residential building energy code that restrict the use of gas space and water heating in residential construction, with certain exceptions including for natural gas-fired heat pumps and hybrid fuel systems. The SBBC commercial and residential rules are expected to become effective July 1, 2023. Certain jurisdictions in Oregon and the State of Oregon are considering similar measures. While we expect these types of codes to be subject to legal challenge, we cannot predict the outcome of any such challenge. Insufficient customer growth, for economic, political, public perception, policy, or other reasons could adversely affect NW Holdings' or NW Natural's utility margin, earnings and cash flows.

**RISK OF COMPETITION.** Our NGD business is subject to increased competition which could negatively affect NW Holdings' or NW Natural's results of operations.

In the residential and commercial markets, NW Natural's NGD business competes primarily with suppliers of electricity, fuel oil, and propane. In the industrial market, NW Natural competes with suppliers of all forms of energy. Competition among these forms of energy is based on price, efficiency, reliability, performance, market conditions, technology, federal, state and local governmental regulation, actual and perceived environmental impacts, and public perception. Technological improvements such as electric heat pumps, batteries or other alternative technologies, or building code restrictions affecting the ability to use certain gas appliances, could erode NW Natural's competitive advantage. If natural gas prices are high relative to other energy sources, or if the cost, environmental impact or public perception of such other energy sources improves relative to natural gas, it may negatively affect NW Natural's ability to secure new customers or retain our existing residential, commercial and industrial customers, which could have a negative impact on our customer growth rate and NW Holdings' and NW Natural's results of operations.

Our natural gas storage operations compete primarily with other storage facilities and pipelines. Increased competition in the natural gas storage business could reduce the demand for our natural gas storage services, drive prices down for our storage business, and adversely affect our ability to renew or replace existing contracts at rates sufficient to maintain current revenues and cash flows, which could adversely affect NW Holdings' and NW Natural's financial condition, results of operations and cash flows.

## **Operational Risks**

**OPERATING RISK.** Transporting and storing natural gas and distributing natural gas and water involves numerous risks that may result in accidents and other operating risks and costs, some or all of which may not be fully covered by insurance, and which could adversely affect NW Holdings' or NW Natural's financial condition, results of operations and cash flows.

NW Holdings and NW Natural are subject to all of the risks and hazards inherent in the businesses of gas and RNG transmission, distribution and storage, water distribution, and wastewater services including:

- earthquakes, wildfires, floods, storms, landslides and other severe weather incidents and natural hazards;
- leaks or losses of natural gas or RNG, water or wastewater, or contamination of natural gas, RNG or water by chemicals or compounds, as a result of the malfunction of equipment or facilities or otherwise;
- damages from third parties;
- operator errors;
- negative performance by our storage reservoirs, facilities, or wells that could cause us to fail to meet expected or forecasted operational levels or contractual commitments to our customers or other third parties;
- problems maintaining, or the malfunction of, pipelines, biodigester facilities, wellbores and related equipment and facilities that form a part of the infrastructure that is critical to the operation of our gas and water distribution, wastewater services, RNG and gas storage facilities;
- presence of chemicals or other compounds in RNG or natural gas that could adversely affect the performance of the system or end-use equipment;
- collapse of underground storage reservoirs;
- inadequate supplies of RNG, natural gas or water or contamination of water supplies;
- operating costs that are substantially higher than expected;

- supply chain disruptions, including unexpected price increases, or supply restrictions beyond the control of our suppliers;
- migration of gas through faults in the rock or to some area of the reservoir where existing wells cannot drain the gas effectively, resulting in loss of the gas;
- · blowouts (uncontrolled escapes of gas from a pipeline or well) or other accidents, fires and explosions; and
- risks and hazards inherent in the drilling operations associated with the development of gas storage facilities, and wells.

For example, TC Pipelines, LP (TC Pipelines) has identified the presence of a chemical substance, dithiazine, at several facilities on the system of its subsidiary, Gas Transmission Northwest (GTN), and those of some upstream and downstream connecting pipeline facilities. A portion of NW Natural's gas supplies from Canada are transported on GTN's pipelines. TC Pipelines reports that dithiazine can drop out of gas streams in a powdery form at some points of pressure reduction (for example, at a regulator), and that in incidents where a sufficient quantity of the material accumulates in certain places, improper functioning of equipment can occur, which can result in increased preventative and corrective action costs. While NW Natural has not detected significant quantities of dithiazine on its system to date, we continue to monitor and could discover increased levels of dithiazine or other compounds on NW Natural's system that could affect the performance of the system or end-use equipment.

These and other operational risks could result in disruption of service, personal injury or loss of human life, damage to and destruction of property and equipment, pollution or other environmental damage, breaches of our contractual commitments, and may result in curtailment or suspension of operations, which in turn could lead to significant costs and lost revenues. Further, because our pipeline, storage and distribution facilities are in or near populated areas, including residential areas, commercial business centers, and industrial sites, any loss of human life or adverse financial outcomes resulting from such events could be significant. We could be subject to lawsuits, claims, and criminal and civil enforcement actions. Additionally, we may not be able to maintain the level or types of insurance we desire, and the insurance coverage we do obtain may contain large deductibles or fail to cover certain hazards or cover all potential losses. The occurrence of any operating risks not covered by insurance could adversely affect NW Holdings' or NW Natural's financial condition, results of operations and cash flows.

**SAFETY REGULATION RISK.** NW Holdings and NW Natural may experience increased federal, state and local regulation of the safety of our systems and operations, which could adversely affect NW Holdings' or NW Natural's operating costs and financial results.

The safety and protection of the public, our customers and our employees is and will remain our top priority. We are committed to consistently monitoring, maintaining, and upgrading our distribution systems and storage operations to ensure that RNG, natural gas and water is acquired, stored and delivered safely, reliably and efficiently. Natural gas operators are subject to robust, ongoing federal, state and local regulatory oversight, which intensifies in response to incidents. For example, the 2020 Protecting our Infrastructure of Pipelines and Enhancing Safety Act (PIPES Act) prompted PHSMA to issue three new rulemakings impacting transmission lines, gathering lines, and valve automation in response to past incidents in other parts of the country. Proposed rulemakings planned for 2023 by the Pipeline and Hazardous Materials Safety Administration (PHMSA), include regulations related to the detection and repair of leaks and safety of gas distribution pipelines.

In addition, our workplaces are subject to the requirements of the Department of Transportation, through the Federal Motor Carrier Safety Administration, and the Occupational Safety and Health Administration, as well as state and local statutes and regulations that regulate the protection of the health and safety of workers. The failure to comply with these requirements or general industry standards, including keeping adequate records or preventing occupational injuries or exposure, could expose us to civil or criminal liability, enforcement actions, and regulatory fines and penalties that may not be recoverable through our rates and could have a material adverse effect on our business, financial condition, results of operations and cash flows.

We intend to work diligently with industry associations and federal and state regulators to comply with these regulations and other new laws. We expect there to be increased costs associated with compliance, and those costs could be significant. If these costs are not recoverable in our customer rates, they could have a negative impact on NW Holdings' and NW Natural's operating costs and financial results.

**RELIANCE ON THIRD PARTIES TO SUPPLY NATURAL GAS, RNG AND ENVIRONMENTAL ATTRIBUTES OR CREDITS RISK.** *NW Natural relies on third parties to supply the natural gas, RNG and environmental attributes or credits in its NGD segment, and limitations on NW Natural's ability to obtain supplies, or failure to receive expected supplies, could have an adverse impact on NW Holdings' or NW Natural's financial results.* 

NW Natural's ability to secure natural gas, RNG and environmental attributes or credits depends upon its ability to purchase and receive delivery of them from third parties. NW Natural, and in some cases its suppliers, does not have control over the availability of natural gas, RNG or environmental attributes or credits, competition for those supplies, disruptions in those supplies, priority allocations on transmission pipelines, markets for those supplies, or pricing and other terms related to such supplies. Additionally, third parties on whom NW Natural relies may fail to deliver supplies for which it has contracted. For example, in October, 2018, a 36-inch pipeline near Prince George, British Columbia owned by Enbridge ruptured, disrupting natural gas flows from Canada into Washington while the ruptured pipeline and an adjacent pipeline were assessed and the ruptured pipeline was repaired. Once repaired, pressurization levels for those pipelines were reduced for a significant period of time for assessment and testing. If NW Natural is unable or limited in its ability to obtain natural gas, RNG or environmental attributes or credits from its current suppliers or new sources, it may not be able to meet customers' gas requirements or

regulatory or compliance requirements, and would likely incur costs associated with actions necessary to mitigate service disruptions or regulatory compliance, which could significantly and negatively impact NW Holdings' and NW Natural's results of operations.

**SINGLE TRANSPORTATION PIPELINE RISK.** NW Natural relies on a single pipeline company for the transportation of gas to its service territory, a disruption, limitation, or inadequacy of which could adversely impact its ability to meet customers' gas requirements, which could significantly and negatively impact NW Holdings' and NW Natural's results of operations.

NW Natural's distribution system is directly connected to a single interstate pipeline, which is owned and operated by Northwest Pipeline. The pipeline's gas flows are bi-directional, transporting gas into the Portland metropolitan market from two directions: (1) the north, which brings supplies from the British Columbia and Alberta supply basins; and (2) the east, which brings supplies from the Alberta and the U.S. Rocky Mountain supply basins. If there is a rupture or inadequate capacity in, or supplies to maintain adequate pressures in, the pipeline, NW Natural may not be able to meet its customers' gas requirements and we would likely incur costs associated with actions necessary to mitigate service disruptions, both of which could significantly and negatively impact NW Holdings' and NW Natural's results of operations.

**THIRD PARTY PIPELINE RISK.** NW Natural's gas storage business depends on third-party pipelines that connect our storage facilities to interstate pipelines, the failure or unavailability of which could adversely affect NW Holdings' or NW Natural's financial condition, results of operations and cash flows.

Our gas storage facilities are reliant on the continued operation of a third-party pipeline and other facilities that provide delivery options to and from our storage facilities. Because we do not own all of these pipelines, their operations are not within our control. If the third-party pipeline to which we are connected were to become unavailable for current or future withdrawals or injections of natural gas due to repairs, damage to the infrastructure, lack of capacity or other reasons, our ability to operate efficiently and satisfy our customers' needs could be compromised, thereby potentially having an adverse impact on NW Holdings' or NW Natural's financial condition, results of operations and cash flows.

**WORKFORCE RISK.** NW Holdings' and NW Natural's businesses are heavily dependent on being able to attract and retain qualified employees and maintain a competitive cost structure with market-based salaries and employee benefits, and workforce disruptions could adversely affect NW Holdings' or NW Natural's operations and results.

NW Holdings' and NW Natural's ability to implement our business strategy and serve our customers is dependent upon our continuing ability to attract and retain diverse, talented professionals and a technically skilled workforce, and being able to transfer the knowledge and expertise of our workforce to new and increasingly diverse employees as our largely older workforce retires. A significant portion of our workforce is currently eligible or will reach retirement eligibility within the next five years, which will require that we attract, train and retain skilled workers to prevent loss of institutional knowledge or skills gaps. We face competition for qualified personnel with specific skillsets. This competition is elevated by the record low unemployment in Oregon and may result in increased pressure on wages or other challenges in recruiting or retaining personnel. Without an appropriately skilled workforce, our ability to provide guality service and meet our regulatory requirements will be challenged and this could negatively impact NW Holdings' and NW Natural's earnings. Additionally, approximately half of NW Natural workers are represented by the OPEIU Local No. 11 AFL-CIO and are covered by a collective bargaining agreement that extends to May 31, 2024. Disputes with the union representing NW Natural employees over terms and conditions of their agreement, or failure to timely and effectively renegotiate the agreement upon its expiration, could result in instability in our labor relationship or other labor disruptions that could impact the timely delivery of gas and other services from our utility and storage facilities, which could strain relationships with customers and state regulators and cause a loss of revenues. The collective bargaining agreements may also limit our flexibility in dealing with NW Natural's workforce, and the ability to change work rules and practices and implement other efficiency-related improvements to successfully compete in today's challenging marketplace, which may negatively affect NW Holdings' and NW Natural's financial condition and results of operations.

## **Environmental Risks**

**ENVIRONMENTAL LIABILITY RISK.** Certain of NW Natural's, and possibly NW Holdings', properties and facilities may pose environmental risks requiring remediation, the costs of which are difficult to estimate and which could adversely affect NW Holdings' and NW Natural's financial condition, results of operations, and cash flows.

NW Natural owns, or previously owned, properties that require environmental remediation or other action. NW Holdings or NW Natural may now, or in the future, own other properties that require environmental remediation or other action. NW Natural and NW Holdings accrue all material loss contingencies relating to these properties. A regulatory asset at NW Natural has been recorded for estimated costs pursuant to a deferral order from the OPUC and WUTC. In addition to maintaining regulatory deferrals, NW Natural settled with most of its historical liability insurers for only a portion of the costs it has incurred to date and expects to incur in the future. To the extent amounts NW Natural vould be required to reduce its regulatory assets which would result in a charge to earnings in the year in which regulatory assets are reduced. In addition, in Oregon, the OPUC approved the SRRM, which limits recovery of deferred amounts to those amounts which satisfy an annual prudence review and an earnings test that requires NW Natural earns above its authorized ROE. To the extent NW Natural earns more than its authorized

ROE in a year, it would be required to cover environmental expenses greater than the \$10 million with those earnings that exceed its authorized ROE. The OPUC ordered a review of the SRRM in 2018 or when we obtain greater certainty of environmental costs, whichever occurred first. We submitted information for review in 2018, and believe we could be subject to further review. Similarly, in October 2019, the WUTC authorized an ECRM, which allows for recovery of certain past deferred and future prudently incurred remediation costs allocable to Washington through application of insurance proceeds and collections from customers, subject to an annual prudence determination. These ongoing prudence reviews, or with respect to the SRRM, the earnings test, or the periodic review could reduce the amounts NW Natural is allowed to recover, and could adversely affect NW Holdings' or NW Natural's financial condition, results of operations and cash flows.

Moreover, we may have disputes with regulators and other parties as to the severity of particular environmental matters, what remediation efforts are appropriate, whether natural resources were damaged, and the portion of the costs or claims NW Natural or NW Holdings should bear. We cannot predict with certainty the amount or timing of future expenditures related to environmental investigations, remediation or other action, the portions of these costs allocable to NW Natural or NW Holdings, or disputes or litigation arising in relation thereto.

Environmental liability estimates are based on current remediation technology, industry experience gained at similar sites, an assessment of probable level of responsibility, and the financial condition of other potentially responsible parties. However, it is difficult to estimate such costs due to uncertainties surrounding the course of environmental remediation, the preliminary nature of certain site investigations, natural recovery of the site, unavoidable limitations associated with environmental investigations and remedial technologies, evolving science, and the application of environmental laws that impose joint and several liabilities on all potentially responsible parties. These uncertainties and disputes arising therefrom could lead to further adversarial administrative proceedings or litigation, with associated costs and uncertain outcomes, all of which could adversely affect NW Holdings' or NW Natural's financial condition, results of operations and cash flows.

**ENVIRONMENTAL REGULATION COMPLIANCE RISK.** NW Holdings and NW Natural are subject to environmental regulations for our ongoing businesses, compliance with which or failure to comply with, could adversely affect our operations or financial results.

NW Holdings and NW Natural are subject to laws, regulations and other legal requirements enacted or adopted by federal, state and local governmental authorities relating to protection of the environment, including those legal requirements that govern discharges of substances into the air and water, the management and disposal of hazardous substances and waste, groundwater quality and availability, plant and wildlife protection, the emitting of greenhouse gases, and other aspects of environmental regulation. For example, our natural gas operations are subject to reporting requirements to a number of governmental authorities including, but not limited to, the Environmental Protection Agency (EPA), the Oregon Department of Environmental Quality (ODEQ), and the Washington State Department of Ecology regarding greenhouse gas emissions. We are also required to reduce emissions of GHGs over time in accordance with the Oregon Climate Protection Program and the Washington Climate Commitment Act. These and other current and future additional environmental regulations at the local, state or national level could result in increased compliance costs or additional operating restrictions, which may or may not be recoverable in customer rates, through insurance or otherwise. If these costs are not recoverable, or if these regulations reduce the desirability, availability, or cost-competitiveness of natural gas, they could have an adverse effect on NW Holdings' or NW Natural's operations or financial condition. Furthermore, failure to comply with such laws or regulations could subject us to possible enforcement actions, financial liability or litigation, any of which could adversely affect NW Holdings' or NW Natural's financial condition and results of operations.

**GLOBAL CLIMATE CHANGE RISK.** Our businesses may be subject to physical risks associated with climate change, all of which could adversely affect NW Holdings' or NW Natural's financial condition, results of operations and cash flows.

Climate change may cause physical risks, including an increase in sea level, intensified storms, water scarcity, wildfire susceptibility and intensity and changes in weather conditions, such as changes in precipitation, average temperatures and extreme wind or other extreme weather events or climate conditions. Moreover, a significant portion of the nation's gas infrastructure is located in areas susceptible to storm damage that could be aggravated by wetland and barrier island erosion, which could give rise to gas supply interruptions and price spikes.

These and other physical changes could result in disruptions to natural gas production and transportation systems potentially increasing the cost of gas and affecting our natural gas businesses' ability to procure or transport gas to meet customer demand. These changes could also affect our distribution systems resulting in increased maintenance and capital costs, disruption of service, regulatory actions and lower customer satisfaction. Similar disruptions could occur in NW Holdings' water utility businesses. Additionally, to the extent that climate change adversely impacts the economic health or weather conditions of our service territory directly, it could adversely impact customer demand or our customers ability to pay. Such physical risks could have an adverse effect on NW Holdings' or NW Natural's financial condition, results of operations, and cash flows.

**PUBLIC PERCEPTION AND POLICY RISK.** Changes in public sentiment or public policy with respect to natural gas, including through local, state or federal laws or legislation or other regulation (including ballot initiatives, executive orders or regulatory codes) or litigation, could adversely affect NW Holdings' or NW Natural's financial condition, results of operations and cash flows.

There are a number of international, federal, state, and local legislative, legal, regulatory and other initiatives being proposed and adopted in an attempt to measure, control or limit the effects of global warming and climate change, including greenhouse gas (GHG) emissions such as carbon dioxide, nitrous oxide, and methane. Legislation or other forms of public policy or regulation that aim to reduce GHG emissions at the federal, state, or local level have and could continue to take a variety of forms including, but not limited to, GHG emissions limits, reporting requirements, carbon taxes, requirements to purchase carbon credits, building codes, increased efficiency standards, additional charges to fund energy efficiency activities or other regulatory actions, and incentives or mandates to conserve energy, or use renewable energy sources. Federal, state, or local governments may provide tax advantages and other subsidies to support alternative energy sources, withdraw funding from fossil fuel sources, mandate the use of specific fuels or technologies, prohibit the use of natural gas, or promote research into new technologies to reduce the cost and increase the scalability of alternative energy sources. In 2021, the United States rejoined the Paris Agreement on Climate Change, and the United States Presidential administration has issued executive orders aimed at reducing GHG emissions, has declared climate change a national security priority, and continues to consider a wide range of policies, executive orders, rules, legislation and other initiatives to address climate change. For example, the Inflation Reduction Act of 2022 (IRA), was signed into law in August 2022 and includes a number of energy and climate related provisions including funding for the EPA to improve GHG reporting and enforcement, as well as a methane fee applicable to activities associated with gas production and processing facilities, transmission pipelines and certain storage facilities. The U.S. Congress may also pass federal climate change legislation in the future. Additionally, other federal agencies have taken or are expected to take actions related to climate change. For example, in March 2022, the Securities and Exchange Commission (SEC) proposed new rules relating to the disclosure of a range of climate-related matters, PHMSA is expected to prepare regulations and other actions to limit methane emissions and the Commodities Futures Trading Commission (CFTC) has indicated it intends to take actions related to oversight of climate-related financial risks as pertinent to the derivatives and underlying commodities markets. Similarly, other federal agencies and regulations, including but not limited to the Consumer Products Safety Commission, the U.S. Department of Treasury, Federal Acquisitions Regulations, and others have indicated impending actions related to regulation related to climate change.

At the state level, the State of Washington has enacted the Climate Commitment Act (CCA), which establishes a comprehensive program that provides an overall limit for GHG emissions from major sources in the state that begins on January 1, 2023 and declines yearly to 95% below 1990 levels by 2050. Similarly, in Oregon, in March 2020, the Oregon Governor issued an executive order (EO) establishing GHG emissions reduction goals and directing state agencies and commissions (including the ODEQ and the OPUC) to facilitate such GHG emission goals. In December 2021, the ODEQ concluded its process and issued final cap and reduce rules for the Climate Protection Program (CPP), which became effective January 1, 2022. The CPP outlines GHG emissions reduction goals of 50% by 2035 and 90% by 2050 from a 1990 baseline. NW Natural is subject to both the CCA and CPP. We expect that there will be additional efforts to address climate change in the 2023 legislative sessions in both Oregon and Washington and we cannot predict whether the legislatures will pass any climate related legislation and the potential impact any such legislation may have on the Company. In addition, the State of Washington has enacted and the State of Oregon and some local jurisdictions are considering building codes that could have the effect of disfavoring or disallowing natural gas in residential or commercial new construction or conversions, including locations within our service territory, such as the recent actions by the City of Eugene to disallow gas in new residential construction beginning with permits issued in mid-2023. A number of local and county jurisdictions are also proposing or passing renewable energy resolutions or other measures in an effort to accelerate renewable energy goals.

Such current or future legislation, regulation or other initiatives (including executive orders, ballot initiatives or ordinances) could impose on our natural gas businesses operational requirements or restrictions, additional charges to fund energy efficiency initiatives, or levy a tax based on carbon content. In addition, certain jurisdictions, including San Francisco, Seattle, and New York have enacted measures to ban or discourage the use of new natural gas hookups in residential or other buildings. Other jurisdictions, including several in our service territory, such as the city of Milwaukie, have considered or are currently considering similar restrictions or other measures discouraging the use of natural gas, such as limitations or bans on the use of natural gas in new construction, requiring the conversion of buildings to electric heat, or adopting policies or incentives to encourage the use of electricity in lieu of natural gas. Such restrictions could adversely impact customer growth or usage and could adversely impact our ability to recover costs and maintain reasonable customer rates. In addition, certain cities, local jurisdictions and private parties have initiated lawsuits against companies related to climate change impacts, GHG emissions or climate-related disclosures. While NW Natural has not been subject to such litigation to date, such climate-related claims or actions could be costly to defend and could negatively impact our business, reputation, financial condition, and results of operations.

NW Natural believes natural gas has an important role in moving the Pacific Northwest to a low carbon future, and to that end is developing programs and measures to reduce carbon emissions. However, NW Natural's efforts may not happen quickly enough to keep pace with legislation or other regulation, legal changes or public sentiment, or may be more costly or not be as effective as expected. Any of these initiatives, or our unsuccessful response to them, could result in us incurring additional costs to comply with the imposed policies, regulations, restrictions or programs, provide a cost or other competitive advantage to energy sources other than natural gas, reduce demand for natural gas, restrict our customer growth, impose costs or restrictions on end users of natural gas, impact the prices we charge our customers, increase the likelihood of litigation, impose increased costs on us associated with the adoption of new infrastructure and technology to respond to such requirements which may or may not be recoverable in customer rates, and could negatively impact public perception of our services or products that negatively diminishes the value of our brand, all of which could adversely affect NW Holdings' or NW Natural's business operations, financial condition and results of operations.

## **Business Continuity and Technology Risks**

**BUSINESS CONTINUITY RISK.** NW Holdings and NW Natural may be adversely impacted by local or national disasters, political unrest, terrorist activities, cyber-attacks or data breaches, and other extreme events to which we may not be able to promptly respond, which could adversely affect NW Holdings' or NW Natural's operations or financial condition.

Local or national disasters, political unrest, terrorist activities, cyber-attacks and data breaches, and other extreme events are a threat to our assets and operations. Companies in critical infrastructure industries may face a heightened risk due to being the target of, and having heightened exposure to, acts of terrorism or sabotage, including physical and security breaches of our physical infrastructure and information technology systems in the form of cyber-attacks or other forms of attacks. These attacks could, among other things, target or impact our technology or mechanical systems that operate our distribution, transmission or storage facilities and result in a disruption in our operations, damage to our system and inability to meet customer requirements. In addition, the threat of terrorist activities could lead to increased economic instability and volatility in the price of RNG, natural gas or other necessary commodities that could affect our operations. Threatened or actual national disasters or terrorist activities may also disrupt capital or bank markets and our ability to raise capital or obtain debt financing, or impact our suppliers or our customers directly. Local disaster or civil unrest could result in disruption of our infrastructure or part of our workforce being unable to operate or maintain our infrastructure or perform other tasks necessary to conduct our business. A slow or inadequate response to events may have an adverse impact on our operations and earnings. We may not be able to maintain sufficient insurance to cover all risks associated with local and national disasters, terrorist activities, cyber-attacks and other attacks or events. Additionally, large scale natural disasters or terrorist attacks could destabilize the insurance industry making the insurance we do have unavailable, which could increase the risk that an event could adversely affect NW Holdings' or NW Natural's operations or financial results.

**RELIANCE ON TECHNOLOGY RISK.** NW Holdings' and NW Natural's efforts to integrate, consolidate and streamline each of their operations has resulted in increased reliance on technology, the failure of which could adversely affect NW Holdings' or NW Natural's financial condition and results of operations.

NW Holdings and NW Natural have undertaken a variety of initiatives to integrate, standardize, centralize and streamline operations. These efforts have resulted in greater reliance on technological tools such as, at NW Natural: an enterprise resource planning system, a digital dispatch system, an automated meter reading system, a web-based ordering and tracking system, and other similar technological tools and initiatives. Our future success will depend, in part, on our ability to anticipate and adapt to technological changes in a cost-effective manner and to offer, on a timely basis, services that meet customer demands and evolving industry standards. New technologies may emerge that could be superior to, or may not be compatible with, some of our existing technologies, and may require us to make significant expenditures to remain competitive. We continue to implement technology to improve our business processes and customer interactions. In addition, our various existing information technology systems require periodic modifications, upgrades and/or replacement. For example, NW Natural has recently implemented upgrades to its SAP system and intends to replace its customer information system in the near future.

There are various risks associated with these systems in addition to upgrades and replacements, including hardware and software failure, communications failure, data distortion or destruction, unauthorized access to data, misuse of proprietary or confidential data, unauthorized control through electronic means, programming mistakes and other inadvertent errors or deliberate human acts. In addition, we are dependent on a continuing flow of important components and appropriately skilled individuals to maintain and upgrade our information technology systems. Our suppliers have faced disruptions due to COVID-19 and may face additional production or import delays due to natural disasters, strikes, lock-outs, political unrest, pandemics (including COVID-19) or other such circumstances. Technology services provided by third-parties also could be disrupted due to events and circumstances beyond our control which could adversely impact our business, financial condition and results of operations.

Any modifications, upgrades, system maintenance or replacements subject us to inherent costs and risks, including potential disruption of our internal control structure, substantial capital expenditures, additional administrative and operating expenses, retention of sufficiently skilled personnel to implement and operate the new systems, and other risks and costs of delays or difficulties in transitioning to new systems or of integrating new systems into our current systems. In addition, the difficulties with implementing new technology systems may cause disruptions in our business operations and have an adverse effect on our business and operations, if not anticipated and appropriately mitigated. There is also risk that we may not be able to recover all costs associated with projects to improve our technological capabilities, which may adversely affect NW Holdings' or NW Natural's financial condition and results of operations.

**CYBERSECURITY RISK.** NW Holdings' and NW Natural's status as an infrastructure services provider coupled with its reliance on technology could result in a security breach which could adversely affect NW Holdings' or NW Natural's financial condition and results of operations.

Although we take precautions to protect our technology systems and are not aware of any material security breaches to date, there is no guarantee that the procedures we have implemented to protect against unauthorized access to secured data and systems, including our industrial controls and other information technology systems, are adequate to safeguard against all security breaches or other cyberattacks. Additionally, the facilities and systems of clients, suppliers and third party service providers also could be vulnerable to cyber risks and attacks, and such third party systems may be interconnected to our

systems. Therefore, an event caused by cyberattacks or other malicious act at an interconnected third party could impact our business and facilities similarly. As these potential cyber security attacks become more common and sophisticated, we could be required to incur costs to strengthen our systems or maintain insurance coverage against potential losses. Moreover, a variety of regulatory agencies are increasingly focused on cybersecurity risks, and specifically in critical infrastructure sectors. For example, the Transportation Security Administration (TSA) has published multiple security directives and is currently in the process of implementing formal rules mandating cybersecurity actions for critical pipeline owners and operators. Failure to timely and effectively meet the requirements of these directives or other cybersecurity regulations could result in fines or other penalties. We are continuing to evaluate the potential costs of implementation of these directives, and there is no assurance that we will be able to continue to recover in rates costs associated with such compliance.

In addition, our businesses could experience breaches of security pertaining to sensitive customer, employee, and vendor information maintained by us in the normal course of business, which could adversely affect our reputation, diminish customer confidence, disrupt operations, materially increase the costs we incur to protect against these risks, and subject us to possible financial liability or increased regulation or litigation. All of these risks could adversely affect NW Holdings' or NW Natural's financial condition and results of operations.

## Financial and Economic Risks

**HOLDING COMPANY DIVIDEND RISK.** As a holding company, NW Holdings depends on its operating subsidiaries, including NW Natural, to meet financial obligations and the ability of NW Holdings to pay dividends on its common stock is dependent on the receipt of dividends and other payments from its subsidiaries, including NW Natural.

As a holding company, NW Holdings' only significant assets are the stock and membership interests of its operating subsidiaries, which at this time is primarily NW Natural. NW Holdings' direct and indirect subsidiaries are separate and distinct legal entities, managed by their own boards of directors, and have no obligation to pay any amounts to their respective shareholders, whether through dividends, loans or other payments. The ability of these companies to pay dividends or make other distributions on their common stock is subject to, among other things: their results of operations, net income, cash flows and financial condition, as well as the success of their business strategies and general economic and competitive conditions; the prior rights of holders of existing and future debt securities and any future preferred stock issued by those companies; and any applicable legal restrictions.

In addition, the ability of NW Holdings' subsidiaries to pay upstream dividends and make other distributions is subject to applicable state law and regulatory restrictions. Under the OPUC and WUTC regulatory approvals for the holding company formation, if NW Natural ceases to comply with credit and capital structure requirements approved by the OPUC and WUTC, it will not, with limited exceptions, be permitted to pay dividends to NW Holdings. Under the OPUC and WUTC orders authorizing the holding company reorganization, NW Natural may not pay dividends or make distributions to NW Holdings if NW Natural's credit ratings and common equity levels fall below specified ratings and levels. If NW Natural's long-term secured credit ratings are below A- for S&P and A3 for Moody's, dividends may be issued so long as NW Natural's common equity is 45% or above. If NW Natural's long-term secured credit ratings are below BBB for S&P and Baa2 for Moody's, dividends may be issued so long as NW Natural's long-term secured credit ratings fall to BB+ or below for S&P or Ba1 or below for Moody's, or if NW Natural's common equity is below 44%. The ratio is measured using common equity and long-term debt excluding imputed debt or debt-like lease obligations, and is determined on a preceding or projected 13-month basis.

**EMPLOYEE BENEFIT RISK.** The cost of providing pension and postretirement healthcare benefits is subject to changes in pension assets and liabilities, changing employee demographics and changing actuarial assumptions, which may have an adverse effect on NW Holdings' or NW Natural's financial condition, results of operations and cash flows.

Until NW Natural closed the pension plans to new hires, which for non-union employees was in 2006 and for union employees was in 2009, it provided pension plans and postretirement healthcare benefits to eligible full-time utility employees and retirees. Approximately 30% of NW Natural's current utility employees were hired prior to these dates, and therefore remain eligible for these plans. Other businesses we acquire may also have pension plans. The costs to NW Natural, or the other applicable businesses we may acquire, for providing such benefits is subject to change in the market value of the pension assets, changes in employee demographics including longer life expectancies, increases in healthcare costs, current and future legislative changes, and various actuarial calculations and assumptions. The actuarial assumptions used to calculate our future pension and postretirement healthcare expenses may differ materially from actual results due to significant market fluctuations and changing withdrawal rates, wage rates, interest rates and other factors. These differences may result in an adverse impact on the amount of pension contributions, pension expense or other postretirement benefit costs recorded in future pension fund assets and liabilities. In these circumstances, NW Natural may be required to recognize increased contributions and pension expense earlier than it had planned to the extent that the value of pension assets is less than the total anticipated liability under the plans, which could have a negative impact on NW Holdings' and NW Natural's financial condition, results of operations and cash flows.

**HEDGING RISK.** NW Holdings' and NW Natural's risk management policies and hedging activities cannot eliminate the risk of commodity price movements and other financial market risks, and hedging activities may expose us to additional liabilities for

which rate recovery may be disallowed, which could result in an adverse impact on NW Holdings' and NW Natural's operating revenues, costs, derivative assets and liabilities and operating cash flows.

NW Natural's gas purchasing requirements expose us to risks of commodity price movements, while NW Holdings' and NW Natural's use of debt and equity financing exposes us to interest rate, liquidity and other financial market risks. We attempt to manage these exposures with both financial and physical hedging mechanisms, including NW Natural's gas reserves transactions which are hedges backed by physical gas supplies and interest rate hedging arrangements at NW Holdings and NWN Water. While we have risk management procedures for hedging in place, they may not always work as planned and cannot entirely eliminate the risks associated with hedging. Additionally, our hedging activities may cause us to incur additional expenses to obtain the hedge. We do not hedge our entire interest rate or commodity cost exposure, and the unhedged exposure will vary over time. Gains or losses experienced through NW Natural's hedging activities, including carrying costs, generally flow through NW Natural's PGA mechanism or are recovered in future general rate cases. However, the hedge transactions NW Natural enters into for utility purposes are subject to a prudence review by the OPUC and WUTC, and, if found imprudent, those expenses may be, and have been previously, disallowed, which could have an adverse effect on NW Holdings' or NW Natural's financial condition and results of operations.

In addition, our actual business requirements and available resources may vary from forecasts, which are used as the basis for hedging decisions and could cause our exposure to be more or less than anticipated. Moreover, if NW Natural's derivative instruments and hedging transactions do not qualify for regulatory deferral and it does not elect hedge accounting treatment under U.S. GAAP, NW Holdings' or NW Natural's results of operations and financial condition could be adversely affected.

NW Holdings and NW Natural also have credit-related exposure to derivative counterparties. Counterparties owing NW Holdings, NW Natural or their respective subsidiaries money or physical natural gas commodities could breach their obligations. Should the counterparties to these arrangements fail to perform, we may be forced to enter into alternative arrangements to meet our normal business requirements. In that event, NW Holdings' or NW Natural's financial results could be adversely affected. Additionally, under most of NW Natural's hedging arrangements, any downgrade of its senior unsecured long-term debt credit rating could allow its counterparties to require NW Natural to post cash, a letter of credit or other form of collateral, which would expose NW Natural to additional costs and may trigger significant increases in borrowing from its credit facilities or equity contribution needs from NW Holdings, if the credit rating downgrade is below investment grade. Further, based on current interpretations, each of NW Holdings, NW Natural and NWN Water is not considered a "swap dealer" or "major swap participant" in 2022, so we are exempt from certain requirements under the Dodd-Frank Act. If we are unable to claim this exemption, we could be subject to higher costs for our derivatives activities, and such higher costs could have a negative impact on NW Holdings' and NW Natural's operating costs and financial results.

**GAS PRICE RISK**. Higher natural gas commodity prices and volatility in the price of gas may adversely affect NW Natural's NGD business, whereas lower gas price volatility may adversely affect NW Natural's gas storage business, negatively affecting NW Holdings' and NW Natural's results of operations and cash flows.

The cost of natural gas is affected by a variety of factors, including weather, changes in demand, the level of production and availability of natural gas supplies, transportation constraints, availability and cost of pipeline capacity, federal, state and local energy and environmental policy, regulation and legislation, natural disasters and other catastrophic events, national and worldwide economic and political conditions, and the price and availability of alternative fuels. In 2021 and 2022 there was increased pricing and volatility in the current and forward gas markets. At NW Natural, the cost we pay for natural gas is generally passed through to customers through an annual PGA rate adjustment. If gas prices were to increase significantly and remain higher, it could raise the cost of energy to NW Natural's customers, potentially causing those customers to conserve or switch to alternate sources of energy. Sustained significant price increases could also cause new home builders and commercial developers to select alternative energy sources. Decreases in the volume of gas NW Natural sells could reduce NW Holdings or NW Natural's current rate structure, higher gas costs could result in increased pressure on the OPUC or the WUTC to seek other means to reduce NW Natural's rates, which also could adversely affect NW Holdings' and NW Natural's results of operations and cash flows.

Temporary gas price increases can also adversely affect NW Holdings' and NW Natural's operating cash flows, liquidity and results of operations because a portion (10% or 20%) of any difference between the estimated average PGA gas cost in rates and the actual average gas cost incurred is recognized as current income or expense.

Temporary or sustained higher gas prices may also cause NW Natural to experience an increase in short-term debt and temporarily reduce liquidity because it pays suppliers for gas when it is purchased, which can be in advance of when these costs are recovered through rates. Significant increases in the price of gas can also slow collection efforts as customers experience increased difficulty in paying their higher energy bills, leading to higher than normal delinquent accounts receivable resulting in greater expense associated with collection efforts and increased bad debt expense.

**INABILITY TO ACCESS CAPITAL MARKET RISK.** NW Holdings' or NW Natural's inability to access capital, or significant increases in the cost of capital, could adversely affect NW Holdings' or NW Natural's financial condition and results of operations.

NW Holdings' and NW Natural's ability to obtain adequate and cost effective short-term and long-term financing depends on maintaining investment grade credit profiles, perceptions of our business in capital markets, and the existence of liquid and stable financial markets. NW Holdings relies on access to equity and bank markets to finance equity contributions to subsidiaries and other business requirements. NW Natural relies on access to capital and bank markets, including commercial paper and bond markets, to finance its operations, construction expenditures and other business requirements, and to refinance maturing debt that cannot be funded entirely by internal cash flows. Disruptions in capital markets, including but not limited to, pandemics, political unrest, inflationary pressures, recessionary pressures, or rising interest rates could adversely affect our ability to access short-term and long-term financing or refinance maturing indebtedness. Our access to funds under committed credit facilities, which are currently provided by a number of banks, is dependent on the ability of the participating banks to meet their funding commitments. Those banks may not be able to meet their funding commitments if they experience shortages of capital and liquidity. Disruptions in the bank or capital financing markets as a result of economic uncertainty, changing or increased regulation of the financial sector, or failure of major financial institutions, or disruptions in credit markets, could adversely affect NW Natural's access to capital and negatively impact our ability to run our businesses, achieve NW Natural's authorized rate of return, and make strategic investments.

Furthermore, recent trends toward investments that are perceived to be "green" or "sustainable" could shift capital away from, or increase the cost of capital for, our natural gas business. We believe our business is an important component of a low carbon future and are striving to decarbonize our systems. Nevertheless, perceptions in the financial markets could differ or outpace our decarbonization progress and result in a shift funding away from, or limit or restrict certain forms of funding for, natural gas businesses.

NW Natural is currently rated by S&P and Moody's and a negative change in its credit ratings, particularly below investment grade, could adversely affect its cost of borrowing and access to sources of liquidity and capital. Such a downgrade could further limit its access to borrowing under available credit lines. Additionally, downgrades in its current credit ratings below investment grade could cause additional delays in NW Natural's ability to access the capital markets while it seeks supplemental state regulatory approval, which could hamper its ability to access credit markets on a timely basis. NW Holdings' credit profile is largely supported by NW Natural's credit ratings and any negative change in NW Natural's credit ratings would likely negatively impact NW Holdings' access to sources of liquidity and capital and cost of borrowing. A credit downgrade to NW Natural, or resulting negative impact on NW Holdings, could also require additional support in the form of letters of credit, cash or other forms of collateral and otherwise adversely affect NW Holdings' or NW Natural's financial condition and results of operations.

**IMPAIRMENT OF LONG-LIVED ASSETS OR GOODWILL RISK**. Impairments of the value of long-lived assets or goodwill could have a material effect on NW Holdings' or NW Natural's financial condition, or results of operations.

NW Holdings and NW Natural review the carrying value of long-lived assets other than goodwill whenever events or changes in circumstances indicate the carrying amount of the assets might not be recoverable. The determination of recoverability is based on the undiscounted net cash flows expected to result from the operation of such assets. Projected cash flows depend on the future operating costs and projected revenues associated with the asset.

We review the carrying value of goodwill annually or whenever events or changes in circumstances indicate that such carrying value may not be recoverable. A goodwill impairment analysis begins with a qualitative analysis of events and circumstances. If the qualitative assessment indicates that the carrying value may be at risk, we will perform a quantitative assessment and recognize a goodwill impairment for any amount in which the fair value of a reporting unit exceeds its fair value. NW Holdings' total goodwill was \$149.3 million as of December 31, 2022 and \$70.6 million as of December 31, 2021. All of our goodwill is related to water and wastewater acquisitions. There have been no impairments recognized for the water and wastewater acquisitions to date. Any impairment charge taken with respect to our long-lived assets or goodwill could be material and could have a material effect on NW Holdings' or NW Natural's financial condition and results of operations.

**CUSTOMER CONSERVATION RISK.** Customers' conservation efforts may have a negative impact on NW Holdings' and NW Natural's revenues.

An increasing national focus on energy conservation, including improved building practices and appliance efficiencies may result in increased energy conservation by customers. This can decrease NW Natural's sales of natural gas and adversely affect NW Holdings' or NW Natural's results of operations because revenues are collected mostly through volumetric rates, based on the amount of gas sold. In Oregon, NW Natural has a conservation tariff which is designed to recover lost utility margin due to declines in residential and small commercial customers' consumption. However, NW Natural does not have a conservation tariff in Washington that provides it this margin protection on sales to customers in that state. Similar conservation risks exist for water utilities. Customers' conservation efforts may have a negative impact on NW Holdings' and NW Natural's financial condition, revenues and results of operations. WEATHER RISK. Warmer than average weather may have a negative impact on our revenues and results of operations.

We are exposed to weather risk in our natural gas business, primarily at NW Natural. A majority of NW Natural's gas volume is driven by gas sales to space heating residential and small commercial customers during the winter heating season. Current NW Natural rates are based on an assumption of average weather. Warmer than average weather typically results in lower gas sales. Colder weather typically results in higher gas sales. Although the effects of warmer or colder weather on utility margin in Oregon are expected to be mitigated through the operation of NW Natural's weather normalization mechanism, weather variations from normal could adversely affect utility margin because NW Natural may be required to purchase more or less gas at spot rates, which may be higher or lower than the rates assumed in its PGA. Also, a portion of NW Natural's Oregon residential and commercial customers (usually less than 10%) have opted out of the weather normalization mechanism, and approximately 12% of its customers are located in Washington where it does not have a weather normalization mechanism. These effects could have an adverse effect on NW Holdings' and NW Natural's financial condition, results of operations and cash flows.

## Water Business Risks

**WATER SECTOR BUSINESS.** *NW* Holdings has entered the water sector through the acquisition of a number of water and wastewater companies. Water and wastewater businesses are subject to a number of risks in addition to the risks described above.

Although the water businesses are not currently expected to materially contribute to the results of operations of NW Holdings, these businesses are subject to risks, in addition to those described above that could adversely affect their results of operations, including:

- contamination of water supplies, including water provided to customers with naturally occurring or human-made substances or other hazardous materials;
- interruptions in water supplies and service, natural disasters and droughts;
- insufficient water supplies, limitations on or disputes with respect to water rights or supplies, or the inability to secure water rights or supplies at a reasonable cost;
- · disruptions to the wastewater collection and treatment process;
- · reliance on third parties for water supplies and transportation of such water supplies;
- conservation efforts by customers;
- regulatory and legal requirements, including environmental, health and safety laws and regulations;
- operational risks, including customer and employee safety;
- · the outcome of rate cases and other regulatory proceedings; and
- weather conditions.

Significant losses, liabilities or impairments arising from these businesses may adversely affect NW Holdings' financial position or results of operations.

**INVESTMENT RISK.** NW Holdings' expectations with respect to the financial results of its investments in water operations are based on various assumptions and beliefs that may not prove accurate, resulting in failures or delays in achieving expected returns or performance.

NW Holdings' expansion into the water sector is an important component of its growth strategy. Although NW Holdings expects its water and wastewater utility operations will result in various benefits, including expanding customer bases, providing investment opportunities through infrastructure development and enhancing regulatory relationships within the local communities served, NW Holdings may not be able to realize these or other benefits. Achieving the anticipated benefits is subject to a number of uncertainties, including whether the businesses acquired can be operated in the manner intended and whether costs to finance the acquisitions and investments will be consistent with expectations, as well as whether investments in the water sector can reach scale in a reasonable period of time. Events outside of our control, including but not limited to regulatory changes or developments, could adversely affect our ability to realize the anticipated benefits from building NW Holdings' water platform. The integration of newly acquired water businesses, particularly over a noncontiguous geographic regions, may be unpredictable, subject to delays or changed circumstances, and such businesses may not perform in accordance with our expectations. In addition, anticipated costs, level of management's attention and internal resources to achieve the integration of or operate the acquired businesses may differ significantly from our current estimates resulting in failures or delays in achieving expected returns or performance. If NW Holdings' expectations regarding the financial results of its investments in water operations, it may adversely affect NW Holdings' financial position or results of operations.

## Non-Regulated RNG Risks

**INVESTMENT RISK.** NW Holdings' expectations with respect to the financial results of its investments in non-regulated RNG investments are based on various assumptions and beliefs that may not prove accurate, resulting in failures or delays in achieving expected returns.

NW Holdings' expansion into the non-regulated RNG business is an important component of its growth strategy. Although NW Holdings expects this expansion will result in various benefits, including providing cost-effective solutions to decarbonize the utility, commercial, industrial and transportation sectors, NW Holdings may not be able to realize these or other benefits. Achieving the anticipated benefits is subject to a number of uncertainties, including whether the investments can be made at an

expected scale, whether the investments can be monetized in the manner intended, and whether costs to finance the investments will be consistent with expectations. Events outside of our control, including but not limited to market or regulatory changes or developments, could adversely affect our ability to realize the anticipated benefits from building NW Holdings' non-regulated RNG platform. The establishment and growth of a non-regulated RNG business may be unpredictable, subject to uncertainties or changed circumstances, and such business may not perform in accordance with our expectations. In addition, anticipated costs, level of management's attention and internal resources to achieve the integration of the acquired investments may differ significantly from our current estimates resulting in failures or delays in achieving expected returns or performance. We could additionally experience unsuccessful business models; technological challenges; ineffective scalability or inability to achieve production volumes consistent with our expectations and marketing arrangements; construction delays or cost overruns; disputes with third party business partners; risks related to markets for RNG and its associated attributes (including changes in market regulation, behavior, or prices); the inability to receive expected tax or regulatory treatment; or unexpected operating costs. If NW Holdings' expectations regarding the financial results of its investments in non-regulated RNG prove to be inaccurate, it may adversely affect NW Holdings' financial position or results of operations.

# ITEM 1B. UNRESOLVED STAFF COMMENTS

We have no unresolved staff comments.

## **ITEM 2. PROPERTIES**

## **NW Natural's Natural Gas Distribution Properties**

NW Natural's natural gas pipeline system consists of approximately 14,200 miles of distribution mains, approximately 700 miles of transmission mains and approximately 10,200 miles of service lines located in its territory in Oregon and southwest Washington. In addition, the pipeline system includes service regulators and meters, as well as district regulators and metering stations. Natural gas pipelines are located in public rights-of-way pursuant to franchise agreements or other ordinances, or on lands of others pursuant to easements obtained from the owners of such lands. NW Natural also holds permits for the crossing of numerous railroads, navigable waterways and smaller tributaries throughout our entire service territory.

NW Natural owns service building facilities in Portland, Oregon, as well as various satellite service centers, garages, warehouses, and other buildings necessary and useful in the conduct of its business. Resource centers are maintained on owned or leased premises at convenient points in the distribution system to provide service within NW Natural's service territory.

NW Natural commenced a 20-year lease in March 2020 for a headquarters and operations center in Portland, Oregon.

NW Natural's Mortgage and Deed of Trust (Mortgage) is a first mortgage lien on certain gas properties owned from time to time by NW Natural, including substantially all of the property constituting NW Natural's natural gas distribution plant balances.

These properties are used in the NGD segment.

## NW Natural's Natural Gas Storage Properties

NW Natural holds leases and other property interests in approximately 12,000 net acres of underground natural gas storage in Oregon and easements and other property interests related to pipelines associated with these facilities. NW Natural owns rights to depleted gas reservoirs near Mist, Oregon that are continuing to be developed and operated as underground gas storage facilities. NW Natural also holds all future storage rights in certain other areas of the Mist gas field in Oregon in addition to other leases and property interests.

NW Natural owns LNG storage facilities in Portland and near Newport, Oregon.

A portion of these properties are used in the NGD segment.

#### **NWN Water's Distribution Properties**

NWN Water owns and maintains water distribution pipes, storage, wells and other infrastructure and wastewater treatment facilities, and holds related leases and other property interests in Oregon, Washington, Idaho, Texas and Arizona. Pipelines are located in municipal streets or alleys pursuant to franchise or occupation ordinances, in county roads or state highways pursuant to agreements or permits granted pursuant to statute, or on lands of others pursuant to easements obtained from the owners of such lands. These properties are used by entities that are aggregated and reported as other under NW Holdings.

We consider all of our properties currently used in our operations, both owned and leased, to be well maintained, in good operating condition, and, along with planned additions, adequate for our present and foreseeable future needs.

## ITEM 3. LEGAL PROCEEDINGS

Other than the proceedings disclosed in Note 17, we have only nonmaterial litigation in the ordinary course of business.

## ITEM 4. MINE SAFETY DISCLOSURES

Not applicable.

# PART II

# ITEM 5. MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES

NW Holdings' common stock is listed and trades on the New York Stock Exchange under the symbol NWN.

There is no established public trading market for NW Natural's common stock.

As of February 16, 2023, there were 4,249 holders of record of NW Holdings' common stock and NW Holdings was the sole holder of NW Natural's common stock.

The following table provides information about purchases of NW Holdings' equity securities that are registered pursuant to Section 12 of the Securities Exchange Act of 1934, as amended, during the quarter ended December 31, 2022:

#### Issuer Purchases of Equity Securities

Period	Total Number of Shares Purchased ⁽¹⁾	F	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs ⁽²⁾	of Sl Be	imum Dollar Value hares that May Yet Purchased Under Plans or Programs ⁽²⁾
Balance forward				2,124,528	\$	16,732,648
10/01/22-10/31/22	_	\$	_	—		—
11/01/22-11/30/22	4,431	\$	47.34	—		—
12/01/22-12/31/22		\$	_			_
Total	4,431			2,124,528	\$	16,732,648

⁽¹⁾ During the quarter ended December 31, 2022, no shares of NW Holdings common stock were purchased on the open market to meet the requirements of our Dividend Reinvestment and Direct Stock Purchase Plan. However, 4,431 shares of NW Holdings common stock were purchased on the open market to meet the requirements of share-based compensation programs. During the quarter ended December 31, 2022, no shares of NW Holdings common stock were accepted as payment for stock option exercises pursuant to the NW Natural Restated Stock Option Plan.

(2) During the quarter ended December 31, 2022, no shares of NW Holdings common stock were repurchased pursuant to the NW Holdings Board of Directors-approved share repurchase program. In May 2019, we received NW Holdings Board of Directors approval to extend the repurchase program through May 2022. Effective August 3, 2022, we received NW Holdings Board approval to extend the repurchase program. Such authorization will continue until the program is used, terminated or replaced. For more information on this program, see Note 5.

ITEM 6. RESERVED

Not applicable.

# ITEM 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

The following is management's assessment of NW Holdings' and NW Natural's financial condition, including the principal factors that affect results of operations. The discussion covers the years ended December 31, 2022, 2021, and 2020 and refers to the consolidated results of NW Holdings, the substantial majority of which consist of the operating results of NW Natural. When significant activity exists at NW Holdings that does not exist at NW Natural, additional disclosure has been provided. References in this discussion to "Notes" are to the Notes to the Consolidated Financial Statements in Item 8 of this report.

NW Natural's natural gas distribution activities are reported in the natural gas distribution (NGD) segment. The NGD segment also includes NWN Gas Reserves, which is a wholly-owned subsidiary of Energy Corp, the NGD-portion of NW Natural's Mist storage facility in Oregon, and NW Natural RNG Holding Company, LLC. NW Natural RNG Holding Company, LLC holds an investment in Lexington Renewable Energy, LLC, which is accounted for under the equity method. Other activities aggregated and reported as other at NW Natural include the non-NGD storage activity at Mist as well as asset management services and the appliance retail center operations. Other activities aggregated and reported as other at NW Holdings include NNG Financial's investment in Kelso-Beaver Pipeline (KB Pipeline); NW Natural Renewables Holdings, LLC and its non-regulated renewable natural gas activities; and NWN Water, which through itself or its subsidiaries, owns and continues to pursue investments in the water and wastewater sector. See Note 4 for further discussion of our business segment and other, as well as our direct and indirect wholly-owned subsidiaries.

In addition, NW Holdings has reported discontinued operations results related to the sale of Gill Ranch Storage, LLC (Gill Ranch). NW Natural Gas Storage, LLC (NWN Gas Storage), an indirect wholly-owned subsidiary of NW Holdings, entered into a Purchase and Sale Agreement during the second quarter of 2018 that provided for the sale of all membership interests in Gill Ranch. Gill Ranch owns a 75% interest in the natural gas storage facility located near Fresno, California known as the Gill Ranch Gas Storage Facility. The sale was completed on December 4, 2020. For more information, see "Results of Operations - *Discontinued Operations*" below.

**NON-GAAP FINANCIAL MEASURES.** In addition to presenting the results of operations and earnings amounts in total, certain financial measures are expressed in cents per share, which are non-GAAP financial measures. All references in this section to earnings per share (EPS) are on the basis of diluted shares. Such non-GAAP financial measures are used to analyze our financial performance because we believe they provide useful information to our investors and creditors in evaluating our financial condition and results of operations. Our non-GAAP financial measures should not be considered a substitute for, or superior to, measures calculated in accordance with U.S. GAAP. Moreover, these non-GAAP financial measures have limitations in that they do not reflect all the items associated with the operations of the business as determined in accordance with GAAP. Other companies may calculate similarly titled non-GAAP financial measures differently than how such measures are calculated in this report, limiting the usefulness of those measures for comparative purposes. A reconciliation of each non-GAAP financial measure to the most directly comparable GAAP financial measure is provided below.

	2	2022	2021		2020
Diluted EPS - Total ⁽¹⁾	\$	2.54	\$ 2.	56	\$ 2.51
Diluted EPS - NGD segment ⁽²⁾		2.34	2.	24	2.08
Diluted EPS - NW Holdings - other ⁽²⁾		0.20	0.	32	0.22
Diluted EPS - Discontinued operations		—			0.21

⁽¹⁾ Total Diluted EPS is equal to the sum of Diluted EPS - NGD segment, Diluted EPS - NW Holdings – other, and Diluted EPS - Discontinued operations.

⁽²⁾ Non-GAAP financial measure

NW Holdings' financial results and highlights for the year include:

- Added 8,600 natural gas customers in 2022 for an annual growth rate of 1.1% at December 31, 2022;
- Invested nearly \$340 million in natural gas and water utility systems to support growth, enhance reliability and resiliency, and upgrade technology;
- Scored second in the West among large utilities in the 2022 J.D. Power Gas Utility Residential Customer Satisfaction Study, making this the 19th consecutive year customers have ranked NW Natural among the top two utilities;
- Completed construction on Lexington renewable natural gas (RNG) facility procuring environmental benefits for NW Natural customers;
- Received Oregon rate case order providing a revenue requirement increase of approximately \$59.4 million, with new rates effective November 1, 2022;
- Closed seven water and wastewater utility transactions in 2022, including our largest water and wastewater acquisition to date in Yuma, Arizona, bringing our total connections to approximately 62,500; and
- Increased dividends for the 67th consecutive year to shareholders.

Key financial highlights for NW Holdings include:

		2022			2021				2020			
In millions	Ar	mount	Pe	er Share	A	Amount	Pe	er Share	A	mount	Per	r Share
Net income from continuing operations	\$	86.3	\$	2.54	\$	78.7	\$	2.56	\$	70.3	\$	2.30
Income from discontinued operations, net of tax						—		_		6.5		0.21
Consolidated net income	\$	86.3	\$	2.54	\$	78.7	\$	2.56	\$	76.8	\$	2.51

Key financial highlights for NW Natural include:

	 2022	2021			2020		
In millions	Amount	Amount			Amount		
Consolidated net income	\$ 91.6	\$	81.2	\$	70.6		
Natural gas distribution margin	\$ 505.9	\$	479.8	\$	438.1		

**2022 COMPARED TO 2021.** Consolidated net income increased \$10.4 million at NW Natural primarily due to the following factors:

- \$26.1 million increase in NGD segment margin driven by new rates in Oregon and Washington, customer growth, and amortization of deferred balances; and
- \$12.3 million increase in other income, net primarily due to lower pension costs; partially offset by
- \$16.0 million increase in operations and maintenance expenses due to higher contract labor, amortization expense related to cloud computing arrangements, information technology costs, and professional service fees;
- \$3.3 million increase in interest expense primarily due to higher long-term debt balances and higher interest rates;
- \$2.7 million increase in income tax expense due to an increase in pretax income;
- \$2.5 million increase in depreciation expense due to additional capital investments; and
- \$2.0 million increase in general taxes primarily driven by higher property taxes.

Net income from continuing operations increased \$7.6 million at NW Holdings primarily due to the following factors:

- \$10.4 million increase in consolidated net income at NW Natural as discussed above; partially offset by
- \$2.8 million decrease in other net income primarily reflecting higher interest expense at the holding company.

Diluted EPS for NW Holdings decreased \$0.02 per share primarily due to a common share issuance on April 1, 2022 and share issuances through NW Holdings' at-the-market program, partially offset by an increase in consolidated net income.

#### 2021 COMPARED TO 2020. Consolidated net income increased \$10.6 million at NW Natural primarily due to the following factors:

- \$41.7 million increase in NGD segment margin driven by the 2020 Oregon rate case and residential customer growth;
- \$7.9 million increase in asset management revenue primarily due to the 2021 cold weather event discussed below; and
- \$2.4 million decrease in other income (expense), net driven by higher interest income on regulatory assets and lower
  pension non-service costs; partially offset by
- \$19.9 million increase in operations and maintenance expenses due to higher information technology expenses, compensation and benefit costs, and lease expense;
- \$8.9 million increase in depreciation expense due to property, plant, and equipment additions as we continued to invest in our gas utility system;
- \$7.2 million increase in income tax expense due to an increase in pretax income and Oregon Corporate Activity Tax;
- \$3.7 million increase in general taxes primarily due to higher assessed property values; and
- \$2.1 million increase in interest expense primarily due to lower AFUDC interest income.

Net income from continuing operations increased \$8.4 million at NW Holdings primarily due to the following factors:

- \$10.6 million increase in consolidated net income at NW Natural as discussed above; partially offset by
- \$2.2 million decrease in other net income primarily reflecting higher business development and consulting costs at NW Holdings.

**2021 COLD WEATHER EVENT.** In February 2021, Portland, Oregon and the surrounding region, like much of the country, experienced a severe winter storm with several days of colder temperatures resulting in elevated natural gas demand and significantly higher spot prices. Additional market gas purchases and other expenses resulted in approximately \$29 million of higher commodity costs, of which approximately \$27 million was deferred to a regulatory asset for recovery in future rates. The result was approximately \$29 million of lower natural gas utility margin in the first quarter of 2021. The higher commodity costs were offset by approximately \$39 million of asset management revenue, of which approximately \$33 million was deferred to a regulatory liability for the benefit of customers. During the first quarter of 2022, NW Natural refunded an interstate storage and asset management sharing credit of approximately \$41 million to Oregon customers, which was primarily related to the cold weather event in February 2021.

**CURRENT ECONOMIC CONDITIONS.** We are evaluating and monitoring current economic conditions, which include but are not limited to: inflation, rising interest rates and commodity costs, recessionary pressures, heightened cybersecurity awareness, geopolitical uncertainty, and supply chain disruptions. We have enhanced cybersecurity monitoring in response to reports that cybersecurity attacks have increased and may continue to increase. We have not experienced material disruptions in our supply chain for goods and services to date. Our suppliers may be subject to lack of personnel or disruption in their own supply chain for materials, which could disrupt supplier performance or deliveries, and negatively impact our business. Developers and HVAC suppliers have reported longer lead times for furnaces and other HVAC equipment, which may affect the timing of placing new meters into service particularly those converting to natural gas. However, because any supply chain issues are being experienced by vendors who supply directly to customers and not us, we do not have visibility of and are not able to quantify the number of new meters affected at this time. We are continuing to actively monitor supply chain disruptions, and have formulated and continue to evaluate contingency plans as necessary.

NW Holdings and NW Natural continue to monitor interest rates and financing options for all of its businesses. Interest rates have increased in 2022 resulting from actions taken by the U.S. Federal Reserve to increase short-term rates as inflation remains elevated. NW Natural generally recovers interest expense on its long-term debt through its authorized cost of capital. Certain working capital items, such as the cost of gas, are deferred and accrue interest in Oregon and Washington. Additionally, short-term debt is incorporated in the capital structure in Washington. NW Natural Water's regulated water and wastewater utilities recover interest expense from long-term debt through their respective authorized cost of capital.

## 2023 OUTLOOK

At NW Natural Holdings, we remain focused on our mission: to provide safe, reliable and affordable utility services and renewable energy in a sustainable way to better the lives of the communities we serve. Our core values of integrity, safety, service ethic, caring and environmental stewardship are the foundation for our success and fundamental to our mission.

Our common goals for each of our business lines is: build and sustain a diverse and inclusive workforce; execute operational priorities to further support safety and reliability for our employees and customers; pursue net carbon neutral energy and sustainable water solutions for our customers, communities and operations, focus on profitable growth across our companies; and work to advance constructive policy and regulation that serves the interest of customers and supports opportunities for growth.

## NW Natural

Delivering our products safely and reliably to customers, while keeping our employees safe, is our first priority. At NW Natural, we remain focused on safety and emergency response through hands-on, scenario-based training for our employees. The reliability, resiliency and safety of our gas system is critical and to this end, we remain focused on investing in necessary maintenance and upgrades, preventing third-party damages, and performing regular inspections and assessments. Safety also includes maintaining and strengthening our cybersecurity defenses, upgrading key technology systems, and preparing for large-scale emergency events, such as seismic hazards.

We have a legacy of providing excellent customer service and a long-standing dedication to continuous improvement, which has resulted in NW Natural consistently receiving high rankings in the J.D. Power and Associates customer satisfaction studies. We plan to continue this legacy by combining the expertise of our customer care and field employees with the benefits of new technologies to provide top-notch customer interactions and meet the evolving expectations of our customers.

We are focused on working productively with lawmakers and regulators. In 2023, we intend to continue proactively communicating with policymakers and other stakeholders about what we believe is the important role of the gas system in achieving climate goals for our communities. With regulators, we continue to strive to work productively on open proceedings.

At the same time, we'll strive to continue growing our business by pursuing and adopting unique energy solutions, executing on our capital investment plans, and managing and promoting adoption of advanced technologies.

We are deeply committed to our core value of environmental stewardship and the vision of a clean energy future. NW Natural has been a leader among gas utilities in innovative programs designed to support a lower carbon future. In 2023, NW Natural intends to continue striving to: execute on our renewable strategy by helping our customers reduce and offset their consumption, work to comply with the Oregon Climate Protection Program (CPP) and Washington Climate Commitment Act (CCA), procure and invest in RNG for our customers, and continue testing hydrogen blending and other hydrogen pilot projects.

#### **NW Natural Water**

Our water and wastewater utility business is committed to providing its customers with safe, clean, reliable and affordable water and wastewater services, while growing organically and through acquisitions. These utilities are focused on supporting their fastgrowing communities by executing on capital expenditure programs aimed at safety and reliability and filing general rate cases, where needed, to support these investments. In addition, we continue to promote water conservation and sustainable wastewater management through system investments, regulation, policies and customer programs.

### **NW Natural Renewables**

We launched an unregulated business line in 2021 established to invest in renewable energy through the production and supply of lower-carbon fuels. In 2023, we expect to begin earning revenues from the resale of RNG from our first project with EDL, which involves two RNG facilities. We intend to continue pursuing other similar renewable projects and opportunities.

## **DIVIDENDS**

NW Holdings dividend highlights include:			
Per common share	2022	2021	2020
Dividends paid	\$ 1.9325	\$ 1.9225	\$ 1.9125

In January 2023, the Board of Directors of NW Holdings declared a quarterly dividend on NW Holdings common stock of \$0.4850 per share, payable on February 15, 2023, to shareholders of record on January 31, 2023, reflecting an indicated annual dividend rate of \$1.94 per share.

See "Financial Condition - *Liquidity and Capital Resources*" for more information regarding the NW Holdings and NW Natural dividend policies and regulatory conditions on NW Natural dividends to its parent, NW Holdings.

## **RESULTS OF OPERATIONS**

## **Regulatory Matters**

## Regulation and Rates

**NATURAL GAS DISTRIBUTION.** NW Natural's natural gas distribution business is subject to regulation by the OPUC and WUTC with respect to, among other matters, rates and terms of service, systems of accounts, and issuances of securities by NW Natural. In 2022, approximately 88% of NGD customers were located in Oregon, with the remaining 12% in Washington. Earnings and cash flows from natural gas distribution operations are largely determined by rates set in general rate cases and other proceedings in Oregon and Washington. They are also affected by weather, the local economies in Oregon and Washington, the pace of customer growth in the residential, commercial, and industrial markets, customer preferences and NW Natural's ability to remain price competitive, control expenses, and obtain reasonable and timely regulatory recovery of its natural gas distribution-related costs, including operating expenses and investment costs in plant and other regulatory assets. See "*Most Recent Completed Rate Cases*" below.

**MIST INTERSTATE GAS STORAGE.** NW Natural's interstate storage activity at Mist is subject to regulation by the OPUC, WUTC, and the Federal Energy Regulatory Commission (FERC) with respect to, among other matters, rates and terms of service. The OPUC also regulates the intrastate storage services at Mist, while FERC regulates the interstate storage services at Mist. The FERC uses a maximum cost of service model which allows for gas storage prices to be set at or below the cost of service as approved by each agency in their last regulatory filing. The OPUC intrastate Schedule 80 rates are tied to the FERC rates, and are updated whenever NW Natural modifies FERC maximum rates.

**OTHER.** The wholly-owned regulated water businesses of NWN Water, a wholly-owned subsidiary of NW Holdings, are subject to regulation by the utility commissions in the states in which they are located, which currently includes Oregon, Washington, Arizona, Idaho, and Texas. The wholly-owned regulated wastewater businesses of NWN Water are subject to regulation by the utility commissions in Texas and Arizona.

## Most Recent Completed Rate Cases

**OREGON.** On October 24, 2022, the OPUC issued an order for rates effective November 1, 2022, which authorized a return on equity of 9.4%, a cost of capital of 6.836%, and a capital structure of 50% common equity and 50% long-term debt. After adjustments provided in the order, the order increased the revenue requirement by \$59.4 million, and included a rate base of \$1.76 billion, or an increase of \$320 million since the last rate case. The OPUC also ordered an adjustment to NW Natural's current line extension allowance methodology to a five times margin approach (which for an average residential customer is currently approximately \$2,300), declining to four times margin on November 1, 2023, and three times margin on November 1, 2024. The OPUC further ordered that the costs NW Natural sought to recover related to its Lexington RNG project were reasonable and prudently incurred under Senate Bill 98 and adopted an automatic adjustment clause that allows for NW Natural's RNG project costs to be added to rates annually on November 1st.

From November 1, 2020 through October 31, 2022, the OPUC authorized rates to customers based on an ROE of 9.4% and a cost of capital of 6.965% with a capital structure of 50% common equity and 50% long-term debt. The OPUC also authorized NW Natural to recover the expense associated with the Oregon Corporate Activity Tax (CAT) as a component of base rates. See "*Corporate Activity Tax*" in the 2021 Form 10-K. In addition, the OPUC approved the application of NW Natural's decoupling calculation for the months of November and May to the month of April. The decoupling mechanism is intended to encourage customers to conserve energy without adversely affecting revenue due to reductions in sales volumes.

**WASHINGTON.** On October 21, 2021, the WUTC issued an order concluding NW Natural's general rate case filed in December 2020 (WUTC Order). The WUTC Order provides for an annual revenue requirement increase over two years, consisting of a 6.4% or \$5.0 million increase in the first year beginning November 1, 2021 (Year One), and up to a 3.5% or \$3.0 million increase in the second year beginning November 1, 2022 (Year Two). The increase is based on the following assumptions:

- Cost of capital of 6.814%; and
- Average rate base of \$194.7 million, an increase of \$20.9 million since the last rate case for capital expenditures already expended at the time of filing, with an additional expected \$31.2 million increase in Year One, and an additional expected \$21.4 million increase in Year Two, with the increases in Year One and Year Two relating to expected capital expenditures in those years.

The WUTC Order does not specify the underlying inputs to the cost of capital, including capital structure and return on equity. New rates authorized by the WUTC Order were effective November 1, 2021.

From November 1, 2019 through October 31, 2021, the WUTC authorized rates to customers based on an ROE of 9.4% and an overall rate of return of 7.161% with a capital structure of 50.0% long-term debt, 1.0% short-term debt, and 49.0% common equity. The WUTC also authorized the recovery of environmental remediation expenses allocable to Washington customers through an Environmental Cost Recovery Mechanism (ECRM) and directed NW Natural to provide federal tax reform benefits to customers. See "Rate Mechanisms - Environmental Cost Deferral and Recovery - *Washington ECRM*" below.

**FERC.** NW Natural is required under its Mist interstate storage certificate authority and rate approval orders to file every five years either a petition for rate approval or a cost and revenue study to change or justify maintaining the existing rates for its interstate storage services. On October 12, 2018, NW Natural filed a rate petition with FERC for revised cost-based maximum rates, which incorporated the new federal corporate income tax rate. The revised rates were effective beginning November 1, 2018.

NW Natural continuously evaluates the need for rate cases in its jurisdictions.

## Rate Mechanisms

During 2022 and 2021, NW Natural's key approved rates and recovery mechanisms for each service area included:

	Ore	Oregon		ington
	2022 Rate Case (effective 11/1/2022)	2020 Rate Case (effective 11/1/2020)	2021 Rate Case (effective 11/1/2021)	2019 Rate Case (effective 11/1/2019)
Authorized Rate Structure:				
Return on Equity	9.4%	9.4%	**	9.4%
Rate of Return	6.8%	7.0%	6.8%	7.2%
Debt/Equity Ratio	50%/50%	50%/50%	**	51%/49%
Key Regulatory Mechanisms:				
Purchased Gas Adjustment (PGA)	Х	Х	Х	Х
Gas Cost Incentive Sharing	Х	Х		
Decoupling	Х	Х		
Weather Normalization (WARM)	Х	Х		
RNG Automatic Adjustment Clause	Х			
Environmental Cost Recovery	Х	Х	Х	Х
Interstate Storage and Asset Management Sharing	Х	Х	Х	Х

** The WUTC Order does not specify the underlying inputs to the cost of capital, including capital structure and return on equity.

Annually, or more often if circumstances warrant, NW Natural reviews all regulatory assets for recoverability. If NW Natural should determine all or a portion of these regulatory assets no longer meet the criteria for continued application of regulatory accounting, then NW Natural would be required to write-off the net unrecoverable balances against earnings in the period such a determination was made.

**PURCHASED GAS ADJUSTMENT.** Rate changes are established for NW Natural each year under PGA mechanisms in Oregon and Washington to reflect changes in the expected cost of natural gas commodity purchases. The PGA filings include gas costs under spot purchases as well as contract supplies, gas cost hedges, gas costs from the withdrawal of storage inventories, the production of gas reserves, interstate pipeline demand costs, renewable natural gas and its attributes, including renewable thermal certificates, temporary rate adjustments, which amortize balances of deferred regulatory accounts, and the removal of temporary rate adjustments effective for the previous year.

Each year, NW Natural hedges gas prices on a portion of NW Natural's annual sales requirement based on normal weather, including both physical and financial hedges. During 2021 and 2022, there was increased price volatility in the spot and forward gas markets. In response to higher than normal volatility in forward gas markets in 2022, we are hedged at higher levels for the 2022-23 gas year. As of December 31, 2022, NW Natural's forecasted sales volume was hedged at approximately 84% in total for the 2022-23 gas year compared to 82% in the 2021-22 PGA year. The total hedged for Oregon was approximately 85%, including 67% in financial hedges and 18% in physical gas supplies. The total hedged for Washington was approximately 79%, including 66% in financial hedges and 13% in physical gas supplies.

NW Natural is hedged in total between 21% and 31% for annual requirements over the subsequent two gas years, which consists of between 23% and 30% in Oregon and between 0% and 45% in Washington. Hedge levels are subject to change based on actual load volumes, which depend to a certain extent on weather, economic conditions, and estimated gas reserve production. Also, gas storage inventory levels may increase or decrease with storage expansion, changes in storage contracts with third parties, variations in the heat content of the gas, and/or storage recall by NW Natural. As the Company planned for the 2022-23 gas year, gas price volatility remained high with current and forward gas prices increasing substantially in 2022. We will continue to monitor gas prices as we begin to fill storage and look at hedging plans for future gas years. Gas purchases and hedges entered into for the upcoming PGA year will be included in the Company's PGA filings in Oregon and Washington.

In September 2022, NW Natural filed its annual PGAs and received OPUC and WUTC approval in October 2022. Included in the 2022-23 PGA, the OPUC and WUTC approved a new rate mitigation program to address high gas costs, which includes a temporary bill credit for NW Natural's residential customers, beginning November 1, 2022, with deferral of the temporary bill credit to warmer months when customers typically see lower bills. As of December 31, 2022, the amount deferred to a regulatory asset was \$11.5 million. PGA rate changes were effective November 1, 2022. Rates may vary between states due to different rate structures, rate mechanisms and hedging policies.

Under the current PGA mechanism in Oregon, there is an incentive sharing provision whereby NW Natural is required to select each year an 80% deferral or a 90% deferral of higher or lower actual gas costs compared to estimated PGA prices, such that

the impact on NW Natural's current earnings from the incentive sharing is either 20% or 10% of the difference between actual and estimated gas costs, respectively. For the 2021-22 and 2022-23 gas years, NW Natural selected the 90% deferral option. Under the Washington PGA mechanism, NW Natural defers 100% of the higher or lower actual gas costs, and those gas cost differences are passed on to customers through the annual PGA rate adjustment.

**EARNINGS TEST REVIEW.** NW Natural is subject to an annual earnings review in Oregon to determine if the NGD business is earning above its authorized ROE threshold. If NGD business earnings exceed a specific ROE level, then 33% of the amount above that level is required to be deferred or refunded to customers. Under this provision, if NW Natural selects the 80% deferral gas cost option, then NW Natural retains all earnings up to 150 basis points above the currently authorized ROE. If NW Natural selects the 90% deferral option, then it retains all earnings up to 100 basis points above the currently authorized ROE. For the 2021-22 and 2022-23 gas years, NW Natural selected the 90% deferral option. The ROE threshold is subject to adjustment annually based on movements in long-term interest rates. For calendar years 2020, 2021, and 2022, the ROE threshold was 10.40% in all periods. There were no refunds required for 2020 and 2021. NW Natural does not expect a refund for 2022 based on results, and anticipates filing its 2022 earnings test in May 2023.

GAS RESERVES. In 2011, the OPUC approved the Encana gas reserves transaction to provide long-term gas price protection for NGD business customers and determined costs under the agreement would be recovered on an ongoing basis through the annual PGA mechanism. Gas produced from NW Natural's interests is sold at then prevailing market prices, and revenues from such sales, net of associated operating and production costs and amortization, are included in cost of gas. The cost of gas, including a carrying cost for the rate base investment made under the original agreement, is included in NW Natural's annual Oregon PGA filing, which allows NW Natural to recover these costs through customer rates. The net investment under the original agreement earns a rate of return.

In 2014, NW Natural amended the original gas reserves agreement in response to Encana's sale of its interest in the Jonah field located in Wyoming to Jonah Energy. Under the amended agreement with Jonah Energy, NW Natural has the option to invest in additional wells on a well-by-well basis with drilling costs and resulting gas volumes shared at the amended proportionate working interest for each well in which NW Natural invests. Volumes produced from the additional wells drilled after the amended agreement are included in NW Natural's Oregon PGA at a fixed rate of \$0.4725 per therm. NW Natural has not participated in additional wells since 2014.

**DECOUPLING.** In Oregon, NW Natural has a decoupling mechanism. Decoupling is intended to break the link between revenue and the quantity of gas consumed by customers, removing any financial incentive to discourage customers' efforts to conserve energy. The Oregon decoupling baseline usage per customer was reset in the 2020 Oregon general rate case. The Order in the 2020 Oregon general rate case also approved of extending NW Natural's decoupling calculation for the months of November and May to the month of April. This mechanism employs a use-per-customer decoupling calculation, which adjusts margin revenues to account for the difference between actual and expected customer volumes. The margin adjustment resulting from differences between actual and expected volumes under the decoupling component is recorded to a deferral account, which is included in the annual PGA filing.

**WARM.** In Oregon, NW Natural has an approved weather normalization mechanism (WARM), which is applied to residential and small commercial customer bills. This mechanism is designed to help stabilize the collection of fixed costs by adjusting residential and small commercial customer billings based on temperature variances from average weather, with rate decreases when the weather is colder than average and rate increases when the weather is warmer than average. The mechanism is applied to bills from December through mid-May. The mechanism adjusts the margin component of customers' rates to reflect average weather, which uses the 25-year average temperature for each day of the billing period. Daily average temperatures and 25-year average temperatures of 59 degrees Fahrenheit for residential customers and 58 degrees Fahrenheit for commercial customers. The collections of any unbilled WARM amounts due to tariff caps and floors are deferred and earn a carrying charge until collected, or returned, in the PGA the following year. Residential and small commercial customers in Oregon are allowed to opt out of the weather normalization mechanism, and as of December 31, 2022, 7% of total eligible customers had opted out. NW Natural does not have a weather normalization mechanism approved for Washington customers, which account for about 12% of total customers. See "Business Segment—*Natural Gas Distribution*" below.

**INDUSTRIAL TARIFFS.** The OPUC and WUTC have approved tariffs covering NGD service to major industrial customers, which are intended to give NW Natural certainty in the level of gas supplies needed to serve this customer group. The approved terms include, among other things, an annual election period, special pricing provisions for out-of-cycle changes, and a requirement that industrial customers complete the term of their service election under NW Natural's annual PGA tariff.

**ENVIRONMENTAL COST DEFERRAL AND RECOVERY.** NW Natural has authorizations in Oregon and Washington to defer costs related to remediation of properties that are owned or were previously owned by NW Natural. In Oregon, a Site Remediation and Recovery Mechanism (SRRM) is currently in place to recover prudently incurred costs allocable to Oregon customers, subject to an earnings test. Effective beginning November 1, 2019, the WUTC authorized an Environmental Cost Recovery Mechanism (ECRM) for recovery of prudently incurred costs allocable to Washington customers.

### Oregon SRRM

Under the Oregon SRRM collection process, there are three types of deferred environmental remediation expense:

- Pre-review This class of costs represents remediation spend that has not yet been deemed prudent by the OPUC. Carrying
  costs on these remediation expenses are recorded at NW Natural's authorized cost of capital. NW Natural anticipates the
  prudence review for annual costs and approval of the earnings test prescribed by the OPUC to occur by the third quarter of
  the following year.
- Post-review This class of costs represents remediation spend that has been deemed prudent and allowed after applying the earnings test, but is not yet included in amortization. NW Natural earns a carrying cost on these amounts at a rate equal to the five-year treasury rate plus 100 basis points.
- Amortization This class of costs represents amounts included in current customer rates for collection and is calculated as one-fifth of the post-review deferred balance. NW Natural earns a carrying cost equal to the amortization rate determined annually by the OPUC, which approximates a short-term borrowing rate. NW Natural included \$6.8 million and \$6.3 million of deferred remediation expense approved by the OPUC for collection during the 2022-23 and 2021-22 PGA years, respectively.

In addition, the SRRM also provides for the annual collection of \$5.0 million from Oregon customers through a tariff rider. As it collects amounts from customers, NW Natural recognizes these collections as revenue net of any earnings test adjustments and separately amortizes an equal and offsetting amount of the deferred regulatory asset balance through the environmental remediation operating expense line shown separately in the operating expenses section of the Consolidated Statements of Comprehensive Income (Loss). See Note 17 for more information on our environmental matters.

The SRRM earnings test is an annual review of adjusted NGD ROE compared to authorized NGD ROE. To apply the earnings test NW Natural must first determine what if any costs are subject to the test through the following calculation:

#### Annual spend

Less: \$5.0 million base rate rider

Prior year carry-over⁽¹⁾

\$5.0 million insurance + interest on insurance

Total deferred annual spend subject to earnings test

Less: over-earnings adjustment, if any

Add: deferred interest on annual spend⁽²⁾

Total amount transferred to post-review

- ⁽¹⁾ Prior year carry-over results when the prior year amount transferred to post-review is negative. The negative amount is carried over to offset annual spend in the following year.
- ⁽²⁾ Deferred interest is added to annual spend to the extent the spend is recoverable.

To the extent the NGD business earns at or below its authorized ROE as defined in the SRRM, the total amount transferred to post-review is recoverable through the SRRM. To the extent more than authorized ROE is earned in a year, the amount transferred to post-review would be reduced by those earnings that exceed its authorized ROE.

For 2022, NW Natural has performed this test, which is anticipated to be submitted to the OPUC in May 2023. No earnings test adjustment is expected for 2022.

#### Washington ECRM

The ECRM established by the WUTC order effective November 1, 2019 permits NW Natural's recovery of environmental remediation expenses allocable to Washington customers. These expenses represent 3.32% of costs associated with remediation of sites that historically served both Oregon and Washington customers. The order allows for recovery of past deferred and future prudently incurred remediation costs allocable to Washington through application of insurance proceeds and collections from customers. Prudently incurred costs that were deferred from the initial deferral authorization in February 2011 through June 2019 are to be fully offset with insurance proceeds, with any remaining insurance proceeds to be amortized over a 10.5 year period. On an annual basis, NW Natural will file for a prudence determination and a request to recover remediation expenditures in excess of insurance amortizations in the following year's customer rates. After insurance proceeds are fully amortized, if in a particular year the request to collect deferred amounts exceeds one percent of Washington normalized revenues, then the excess will be collected over three years with interest.

**INTERSTATE STORAGE AND ASSET MANAGEMENT SHARING.** On an annual basis, NW Natural credits amounts to Oregon and Washington customers as part of a regulatory incentive sharing mechanism related to net revenues earned from Mist gas storage and asset management activities. In January 2023, the OPUC approved the annual 2023 bill credit for Oregon customer's share of interstate storage and asset management activities totaling approximately \$23.5 million. This includes revenue generated for the November 2021 through October 2022 PGA year. Commercial and industrial customers in Oregon will receive this credit in February 2023. Residential customers in Oregon will receive this credit as a reduction to the temporary rate mitigation adjustment, which begins in March 2023. Credits are given to customers in Washington as reductions in rates through the annual PGA filing in November.

During the first quarter of 2022, NW Natural refunded an interstate storage and asset management sharing credit of approximately \$41.1 million to Oregon customers over three equal installments in January, February and March. This includes revenue generated for the November 2020 through October 2021 PGA year. A majority of this revenue is from the cold weather event in February 2021 discussed above.

The following table presents the credits to NGD customers:

In millions	2022	2021	2020
Oregon	\$ 41.1	\$ 9.1	\$ 17.0
Washington	\$ 1.5	\$ 3.1	\$ 0.7

**COVID-19 PROCESS AND DEFERRAL DOCKETS**. During 2020, Oregon and Washington approved our applications to defer certain COVID-19 related costs. Costs that may be recoverable include, but are not limited to, the following: personal protective equipment, cleaning supplies and services, bad debt expense, financing costs to secure liquidity, and certain lost revenue, net of offsetting direct expense reductions associated with COVID-19. As of December 31, 2022, we believe that approximately \$18.7 million of the financial effects related to COVID-19 are recoverable. As part of the 2022 Oregon general rate case, NW Natural received approval from the OPUC to recover the 2020 and 2021 COVID-19 deferral beginning November 1, 2022. Approximately \$10.9 million will be amortized over a two-year period and NW Natural may request recovery of the remaining amount in the third year. Included in the total balance is approximately \$3.4 million of forgone late fee revenue that will be recognized in future periods when billed. Beginning January 2023, NW Natural will no longer defer any COVID-19 related costs in Oregon. NW Natural expects to recover its COVID-19 deferrals in Washington in a future proceeding.

The following table outlines some of the key items approved by the respective Commissions:

	Oregon	Washington
Reinstituting Disconnections for Nonpayment:		
Residential	August 1, 2021	September 30, 2021
Small Commercial	December 1, 2020	September 30, 2021
Large Commercial/Industrial	November 3, 2020	October 20, 2020
Resuming Residential Reconnection Fee Charges	October 1, 2022	**
Reinstituting Late Fees for Nonpayment:		
Residential	October 1, 2022	**
Small Commercial	December 1, 2020	**
Large Commercial/Industrial	November 3, 2020	October 20, 2020
Arrearage Management Program	1.5% of Retail Revenue	1% of Retail Revenue

** Date is pending a Commission review of its existing credit and collection practices that is expected to be completed over the next year.

**ARREARAGE MANAGEMENT PROGRAMS.** As part of the approved term sheets, NW Natural established programs in Oregon and Washington to identify and mitigate residential customer arrearages associated with COVID-19. Under the Washington program, income-eligible customers may receive up to \$2,500 per year. In March 2022, the Oregon program was expanded to include additional funding and a low-income focus. AMP is funded by NW Natural with recovery facilitated through the COVID-19 deferral dockets. During 2022, NW Natural granted \$9.4 million of the total funds available of \$9.9 million. The programs in both Oregon and Washington are now closed.

**LOW INCOME DISCOUNT TARIFF.** In July 2022, NW Natural received approval from the OPUC for an income-qualifying residential bill discount program. The income threshold for program participation is at or below 60 percent of Oregon state median income (SMI). The program provides a bill discount for income-qualifying residential customers at four discount tier levels based on household income compared to SMI, with higher discounts given for lower income levels. Participating customers can self-certify their income and household size to qualify for the program directly with NW Natural or their local Community Action Agency. The program was available for qualifying customers starting November 1, 2022. Costs for the bill discount program include simultaneous recovery from all customers. Costs for the bill discount program, inclusive of start-up and administrative costs of the program, are recoverable in rates. The amount deferred to a regulatory asset as of December 31, 2022 was not significant.

	Total Household Income	Bill Discount Percentage
Tier 0	At or below 15% SMI	40%
Tier 1	16% - 30% of SMI	25%
Tier 2	31% - 45% of SMI	20%
Tier 3	46% - 60% of SMI	15%

**RENEWABLE NATURAL GAS AND AUTOMATIC ADJUSTMENT CLAUSE.** On June 19, 2019, the Oregon legislature passed Senate Bill 98 (SB 98), which enables natural gas utilities to procure or develop RNG on behalf of their Oregon customers. The bill was signed into law by the governor in July 2019, and subsequently, the OPUC opened a docket in August 2019 regarding the rules for the bill. After working with parties, the OPUC adopted final rules in July 2020.

SB 98 and the rules outline the following parameters for the RNG program including: setting voluntary goals for adding as much as 30% renewable natural gas into the state's pipeline system by 2050; enabling gas utilities to invest in and own the cleaning and conditioning equipment required to bring raw biogas and landfill gas up to pipeline quality, as well as the facilities to connect to the local gas distribution system; and allowing up to 5% of a utility's revenue requirement to be used to cover the incremental cost or investment in renewable natural gas infrastructure.

Further, the new law supports all forms of renewable natural gas including renewable hydrogen, which is made from excess wind, solar and hydro power. Renewable hydrogen can be used for the transportation system, industrial use, or blended into the natural gas pipeline system.

Pursuant to the 2022 Oregon general rate case, the OPUC ordered that the costs NW Natural sought to recover related to its investment in Lexington Renewables Energy, LLC were reasonable and prudently incurred under SB 98. Furthermore, the OPUC approved an automatic adjustment clause that allows for NW Natural's investments in RNG projects, including operating costs, to be added to rates annually on November 1st, following a prudence review. The mechanism allows NW Natural to defer for recovery or credit the differences between the forecasted and actual costs of the RNG projects, subject to an earnings test that includes deadbands at 50 basis points below and above NW Natural's authorized ROE. For RNG procurement contracts, NW Natural seeks recovery of the costs in the PGA, subject to a prudence review.

**CORPORATE ACTIVITY TAX.** In 2019, the State of Oregon enacted a Corporate Activity Tax (CAT) that is applicable to all businesses with annual Oregon gross revenue in excess of \$1 million. The CAT is in addition to the state's corporate income tax and imposes a 0.57% tax on certain Oregon gross receipts less a reduction for a portion of cost of goods sold or labor. The CAT legislation became effective September 29, 2019 and applied to calendar years beginning January 1, 2020. Under the terms of the Order in NW Natural's 2020 Oregon general rate case, NW Natural is authorized to begin to recover the expense associated with the CAT as a component of base rates. NW Natural is also directed to adjust the amount recovered for the CAT in each annual PGA to reflect changes in gross revenue and cost of goods sold that occur as a result of the PGA.

The Order also provides for certain adjustments if there are legislative, rulemaking, judicial, or policy decisions that would cause the calculation methodology used by NW Natural for the CAT to vary in a fundamental way. Additionally, the CAT deferred from January 2020 through June 2020 was added to and amortized over the 2020-21 PGA gas year, and the CAT amounts deferred from July 2020 through the effective date of the rate case were amortized over the 2021-22 PGA year.

**INTEGRATED RESOURCE PLAN (IRP).** NW Natural generally files a full IRP biennially for Oregon and Washington with the OPUC and WUTC, respectively. NW Natural jointly filed its 2022 IRP for both Oregon and Washington on September 23, 2022. The 2022 IRP outlines scenarios of future requirements based on a range of outcomes that would provide the least-cost and least-risk resources to meet future demand and environmental compliance obligations. In our most recent filing, we included certain demand and supply side projects that resulted in action plan items which will be evaluated by the OPUC and WUTC. With respect to IRPs generally, the WUTC issues letters of compliance and Oregon acknowledges the IRP. NW Natural anticipates the OPUC and WUTC will take such actions by September 30, 2023.

The development of an IRP filing is an extensive and complex process that engages multiple stakeholders in an effort to build a robust and commonly understood analysis. The final product is intended to provide a long-term outlook of the supply-side and demand-side resource requirements for reliable and low cost natural gas service while also meeting NW Natural's environmental compliance requirements. The IRP examines and analyzes uncertainties in the planning process, including potential changes in governmental and regulatory policies. The CPP in Oregon, as well as the CCA that was passed in Washington, are examples of new policies that result in compliance requirements that need to be included in the planning process.

**PIPELINE SECURITY.** In May and July 2021, the Department of Homeland Security's (DHS) Transportation Security Administration (TSA) released two security directives applicable to certain owners and operators of natural gas pipeline facilities (including local distribution companies). The first directive require owners and operators to implement cybersecurity incident reporting to the DHS, designate a cybersecurity coordinator, and perform a gap assessment of current entity cybersecurity practices against certain voluntary TSA security guidelines and report relevant results and proposed mitigation to applicable DHS agencies. The second directive requires entities to implement a significant number of specified cyber security controls and processes. The TSA recently released a third directive renewing the second directive as well as clarifying Operational Technology (OT) scope and providing a risk- and outcome-based framework. The third directive is effective until July 2023. NW Natural is currently evaluating and implementing the security directives and related deliverables. NW Natural frequently updates the TSA on its progress on achieving the security directives.

NW Natural filed requests with the OPUC and WUTC to defer the costs associated with complying with the TSA's security directives. As of December 31, 2022, NW Natural has invested \$33.0 million in information and operational technology and has

deferred to a regulatory asset \$6.3 million of related costs. A majority of the capital investment was included in rate base starting November 1, 2022 in Oregon.

NW Natural continues to evaluate the potential effect of these directives on our operations and facilities, as well as the potential total cost of implementation, and will continue to monitor for any clarifications or amendments to these directives. We may seek to request recovery from customers of any additional costs incurred to the extent that incremental expenses and capital expenditures are incurred in the future.

**ERP UPGRADE DEFERRALS.** In the fourth quarter of 2020, NW Natural filed requests to defer expenses pertaining to a project to upgrade the existing enterprise resource planning (ERP) system with the OPUC and WUTC. A stipulation supported by all parties in the Oregon docket was filed and approved by the OPUC in the third quarter of 2021. Under the settlement agreement, NW Natural will recover 100% of costs incurred up to the \$8.55 million estimate of Oregon-allocated costs provided in the docket. Approval of the Washington deferral was resolved as part of the most recent general rate case. NW Natural placed its new ERP system into service in September 2022. As of December 31, 2022, NW Natural deferred to a regulatory asset \$9.4 million of expenses incurred to date. On November 1, 2022, NW Natural began recovering all expenses deferred and accruing interest over a 10-year period.

**FACT-FINDING DOCKET.** NW Natural was engaged in an OPUC Fact-Finding ("Fact-Finding Docket"), opened in response to the executive order issued by the Governor of Oregon, for the purpose of analyzing the potential natural gas utility bill impacts that may result from the ODEQ's CPP and to identify appropriate regulatory tools to mitigate potential customer impacts. The OPUC Staff indicated that the ultimate goal of the Fact-Finding Docket is to inform future policy decisions and other key analyses. OPUC Staff's final report was issued on January 31, 2023. The report has a number of recommendations concerning the further investigation of regulatory tools, including: 1) expanded energy efficiency programs, 2) additional analysis in future Integrated Resource Plans of decarbonization measures and trends, and 3) additional rate protections for customers. The OPUC has since closed the Fact-Finding Docket without taking any action on Staff's final report.

**WATER UTILITIES.** NWN Water currently serves an estimated 155,000 people through approximately 62,500 connections across five states. NWN Water, through one or more of its subsidiaries, acquired an increased ownership stake in Avion Water Company in Oregon to 40.3%, and acquired the assets of five regulated businesses during 2022, after receiving approval from the respective public utility commissions.

For our regulated water utilities, we have been executing general rate cases.

- In January 2022, we filed a general rate case for Suncadia Water and the WUTC allowed rates to go into effect in May 2022 by operation of law.
- In February 2022, the OPUC adopted a comprehensive stipulation in Sunriver Water's rate case with new rates effective May 2022.
- In June 2022, Avion Water Company filed a general rate case with the OPUC and the OPUC allowed rates to go into effect January 1, 2023.
- In July 2022, Gem State Water Company filed a general rate case with the IPUC and a decision is expected in the first half of 2023.

#### **Environmental Regulation and Legislation Matters**

There is a growing international and domestic focus on climate change and the contribution of GHG emissions, most notably methane and carbon dioxide, to climate change. In response, there are increasing efforts at the international, federal, state, and local level to regulate GHG emissions. Legislation or other forms of regulation could take a variety of forms including, but not limited to, GHG emissions limits, reporting requirements, carbon taxes, requirements to purchase carbon credits, building codes, increased efficiency standards, additional charges to fund energy efficiency activities or other regulatory actions, incentives or mandates to conserve energy, or use renewable energy sources, tax advantages and other subsidies to support alternative energy sources, a reduction in rate recovery for construction costs related to the installation of new customer services or other new infrastructure investments, mandates for the use of specific fuels or technologies, bans on specific fuels or technologies, or promotion of research into new technologies to reduce the cost and increase the scalability of alternative energy sources. These efforts could include legislation, legislative proposals, or new regulations at the federal, state, and local level, as well as private party litigation related to GHG emissions. We recognize certain of our businesses, including our natural gas business, are likely to be affected by current or future regulation seeking to limit GHG emissions.

#### **International**

In early 2021, the U.S. rejoined the Paris Agreement on Climate, which establishes non-binding targets to reduce GHG emissions from both developed and developing nations. Under the Paris Agreement, signatory countries are expected to submit their nationally determined contributions to curb GHG emissions and meet the agreed temperature objectives every five years. On April 22, 2021, the United States federal administration announced the U.S. nationally determined contribution to achieve a fifty to fifty-two percent reduction from 2005 levels in economy-wide net GHG emissions by 2030.

#### **Federal**

President Biden's administration has issued executive orders directing agencies to conduct a general review of regulations and executive actions related to the environment and reestablished a framework for considering the social cost of carbon as part of

certain agency cost-benefit analyses for new regulations. President Biden's administration continues to consider a wide range of additional policies, executive orders, rules, legislation, and other initiatives to address climate change.

The Inflation Reduction Act of 2022 (IRA) was signed into law in August 2022 and includes several climate and energy provisions. We expect that over a ten year period, the IRA will provide approximately \$415 billion of funding through grants, tax credits, and investments to support various initiatives including manufacturing, renewable energy production and consumption, transportation electrification and climate-smart agriculture. The IRA includes tax credits for RNG, hydrogen and carbon capture projects, among other investments. The IRA also includes funding for the EPA to improve GHG reporting and enforcement, as well as a methane fee applicable to activities associated with gas production and processing facilities, transmission pipelines and certain storage facilities, creates a new corporate alternative minimum tax of 15 percent that applies to corporations with average annual financial statement income in excess of one billion dollars, and creates a new 1 percent excise tax on the net stock repurchases by public companies. We are assessing effects of the IRA that are relevant to our businesses, and will continue to do so as it is implemented. The U.S. Congress may also pass federal climate change legislation in the future. We cannot predict when or if Congress will pass such legislation and in what form.

In addition, the EPA regulates GHG emissions pursuant to the Clean Air Act. For example, the EPA requires the annual reporting of greenhouse gas emissions from certain industries, specified emission sources, and facilities. Under this reporting rule, local natural gas distribution companies like NW Natural are required to report system throughput to the EPA on an annual basis. The EPA also has required additional GHG reporting regulations to which NW Natural is subject, requiring the annual reporting of fugitive emissions from operations. Other federal regulatory agencies, including the U.S. Department of Energy and Federal Energy Regulatory Commission, are beginning to address greenhouse gas emissions that may include changes in their regulatory oversight approach, policies and rules.

Other federal agencies have taken or are expected to take actions related to climate change. For example, in March 2022, the Securities and Exchange Commission (SEC) proposed new rules relating to the disclosure of a range of climate-related matters, PHMSA is expected to prepare regulations and other actions to limit methane emissions, the Commodities Futures Trading Commission (CFTC) has indicated it intends to take actions related to oversight of climate-related financial risks as pertinent to the derivatives and underlying commodities markets. Similarly, other federal agencies and regulations, including but not limited to the Consumer Products Safety Commission, the U.S. Department of Treasury, Federal Acquisitions Regulations, and others have indicated impending regulatory actions related to climate change. To the extent these agencies adopt final rules as proposed or in modified form, we or our customers could incur increased costs. These could include internal costs as well as external costs such as the cost of independent experts to provide attestation reports on our GHG emissions data and increased audit costs.

#### Washington State

In 2022, Washington comprised approximately 12% of NW Natural's revenues, as well as 1% and 18% of new meters from commercial and residential customers, respectively. Effective February 1, 2021, building codes in Washington state require new residential homes to achieve higher levels of energy efficiency based on specified carbon emissions assumptions, which calculate electric appliances to have lower on-site GHG emissions than comparable gas appliances. This increases the cost of new home construction incorporating natural gas depending on a number of factors including home size, equipment configurations, and building envelope measures. Additionally, the Washington State Building Code Council (SBCC) voted in April 2022 to include updates in the state commercial building energy code that are expected to restrict or eliminate the use of gas space and water heating in new commercial construction. In early November, the SBCC voted to include updates to the state residential building energy code that are expected to restrict the use of gas space and water heating in residential construction, with certain exceptions including for natural gas-fired heat pumps and hybrid fuel systems. The SBBC commercial and residential rules are expected to become effective July 1, 2023. Utilities and other organizations, including NW Natural, are reviewing the proposed building energy code updates, the process by which the updates have been considered, and the legality of the building code updates. We expect the building code changes to be subject to legal challenge.

Washington has also enacted the Climate Commitment Act (CCA), which establishes a comprehensive program that includes an overall limit for GHG emissions from major sources in the state that declines yearly beginning January 1, 2023, resulting in an overall reduction of GHG emissions to 95% below 1990 levels by 2050. The Washington Department of Ecology has adopted rules to create a cap-and-invest program, under which entities, including natural gas and electric utilities, large manufacturing facilities, and transportation and other fuel providers, which are subject to the CCA must either reduce their emissions, purchase qualifying offsets (including RNG) or obtain allowances to cover any remaining emissions. NW Natural is subject to the CCA and intends to pursue inclusion of CCA compliance costs in rates.

#### <u>Oregon</u>

On March 10, 2020, the governor of Oregon issued an executive order (EO) establishing GHG emissions reduction goals of at least 45% below 1990 emission levels by 2035 and at least 80% below 1990 emission levels by 2050 and directed state agencies and commissions to facilitate such GHG emission goals targeting a variety of sources and industries. Although the EO does not specifically direct actions of natural gas distribution businesses, the OPUC is directed to prioritize proceedings and activities that advance decarbonization in the utility sector, mitigate the energy burden experienced by utility customers and ensure system reliability and resource adequacy. The EO also directs other state agencies, including the Oregon Department of Environmental Quality (ODEQ), to cap and reduce GHG emissions from transportation fuels and all other liquid and gaseous

fuels, including natural gas, adopt building energy efficiency goals for new building construction, reduce methane gas emissions from landfills and food waste, and submit a proposal for adoption of state goals for carbon sequestration and storage by Oregon's forest, wetlands and agricultural lands. The OPUC is charged with carrying out the EO to the extent it is consistent with its statutory authority and duties, and in doing so to focus on equitable impacts to low-income customers.

In December 2021, the ODEQ concluded its rulemaking process and issued final cap and reduce rules for its Climate Protection Program (CPP), which became effective in January of 2022. The CPP outlines GHG emissions reduction goals of 50% by 2035 and 90% by 2050 from a 1990 baseline. The first three-year compliance period is 2022 through 2024. NW Natural is subject to the CPP, and pursuant to this rule, is required to make its first compliance filing in 2025. We intend to pursue inclusion of compliance costs for the CPP in rates. The CPP has been subject to legal challenge by a number of utilities, companies and organizations, including NW Natural.

#### Local Jurisdictions and Other Advocacy

In addition to legislative activities at the state level, advocacy groups have indicated a willingness to pursue ballot measures. Some local and county governments in the United States also have been proposing or passing renewable energy resolutions, restrictions, taxes, or fees seeking to accelerate climate action goals. A number of cities across the country, and several in our service territory are taking action or currently considering actions such as limitations or bans on the use of natural gas in new construction or otherwise. For example, in February 2023, the Eugene City Council passed an ordinance that prohibits the use of natural gas in low rise residential buildings beginning with permits submitted after June of 2023. Similarly, some jurisdictions and advocates are seeking to ban the use of natural gas and certain natural gas appliances inside homes and contend that there are detrimental indoor public health effects associated with the use of natural gas.

NW Natural is actively engaged with federal, state and local policymakers, consumers, customers, small businesses and other business coalitions, economic development practitioners, and other advocates in our service territory and is working with these communities to communicate the role that direct use natural gas, and in the coming years, RNG and hydrogen, can play in pursuing more effective policies to reduce GHGs while supporting reliability, resiliency, energy choice, equity, and energy affordability.

### NW Natural Decarbonization Initiatives & Compliance Actions

Our customers are currently paying less for their natural gas today than they did 15 years ago. We expect that compliance with any form of regulation of GHG emissions, including the CPP in Oregon and CCA in Washington as well as voluntary actions under SB 98 or otherwise, will require additional resources and compliance tools, and will increase costs. The developing and changing implementation guidance for the CCA and CPP, evolving carbon credit markets and other compliance tool options, decades-long timeframes for compliance, likely changing and evolving laws and energy policy, and evolving technological advancements, all make it difficult to accurately predict long-term tools for and costs of compliance. In September 2022, NW Natural filed its integrated resource plans (IRPs) with the OPUC and WUTC. Those IRPs comprehensively evaluate resource options available to serve NW Natural's customers' energy, capacity and environmental compliance needs. The resources selected for compliance with the CPP and CCA, and therefore the costs associated with those resources are, in part, dependent upon the resolution of our IRP dockets and the resources selected. While we have modeled compliance with the CCA and CPP in our IRPs, given the recency of the adoption of the final CPP and CCA rules and changing guidance with respect to those rules, the nature of our compliance obligations, the manner in which we intend to comply, and the expected costs of compliance are uncertain and subject to significant change, particularly after the first compliance period, and especially with respect to the CPP, under which programs are still being developed. For the first compliance period under the CCA, we currently anticipate that we will comply by purchasing RNG or attributes to reduce emissions, making full use of offsets available under the CCA, meeting remaining compliance requirements by purchasing allowances through the processes outlined under the CCA, and returning all money received from the sale of free carbon allowances to customers. We intend to pursue costs of compliance with the CCA in rates, and currently believe that the costs to comply could increase non-low income residential bills by an estimated 1.5% to 6% in the first year of compliance.

The CPP in Oregon is largely tied to the volume of natural gas consumed and as such, we currently expect that CPP cost impacts will be the lowest among residential customers because they generally consume less, and highest among industrial customers that use significantly higher volumes of natural gas, with cost increases for commercial customers falling between residential and industrial customers. We currently expect that the majority of our needed emissions reduction in Oregon for the first CPP compliance period of 2022-2025 can be met with purchases of RNG or its attributes, with modest supplemental purchases of Community Climate Investments (CCIs) when that program becomes available. We intend to pursue costs of compliance costs with the CPP in rates and currently believe those costs could increase non-low income residential bills by an estimated 1% to 9% in the first compliance period.

These projected customer bill impacts of the CCA and CPP are estimates, are likely to increase beyond the first compliance period, and are subject to change as these laws are implemented and compliance begins. The costs are also likely to vary significantly based on forecasting assumptions related to permitted levels of rate recovery, available technologies and equipment, weather patterns and gas usage, customer growth or attrition, allocation of fixed costs among classes of customers, energy efficiency levels, availability, use and cost of renewables, feasibility of broad-scale hydrogen in the natural gas system, and a number of other assumptions used in the complex analysis of integrated resource planning.

We are not currently able to quantify the extent to which current and prospective building code changes, other limitations on natural gas use, or declining line extension allowances provided in rates to cover construction costs for new services, will affect new meter additions, or to what extent carbon compliance costs included in rates will affect the competitiveness of our business and the demand for natural gas service. All of these developments could negatively affect our gas utility customer growth. However, at the same time natural gas utilities will be subject to GHG emissions regulation, we expect that other energy source providers will be subject to similar, or in some cases stricter or more rapid, compliance requirements that are likely to affect their cost and competitiveness relative to natural gas as well. For example, President Biden has announced his intention to have a carbon-free electricity sector by 2035, 15 years before the target date of the CCA or CCP. In June 2021, the State of Oregon enacted HB 2021, a clean electricity bill that requires the state's two largest investor-owned electric utilities and retail electricity service suppliers to reduce GHG emissions associated with electricity sold to Oregon customers to 100 percent below baseline levels by 2040 with interim steps, including an 80 percent reduction by 2030 and 90 percent reduction by 2035. This bill does not replace the separate renewable portfolio standards previously established in Oregon, which sets requirements for how much of the electricity used in Oregon must come from renewable resources. In Washington, SB 5116, the Clean Energy Transformation Act, requires all electric utilities in Washington to transition to carbon-neutral electricity by 2030 and to 100 percent carbon-free electricity by 2045. We expect compliance with these and other laws will increase the cost of energy for electric customers in our service territory. We are not able to determine at this time whether increased electricity costs will make natural gas use more or less competitive on a relative basis.

We expect these and other trends to drive innovation of, and demand for, technological developments and innovative new products that reduce GHG emissions. Research and development are occurring across the energy sector, including in the gas sector with work being conducted on gas-fired heat pumps, higher efficiency water and space heating appliances including hybrid systems, carbon capture utilization and storage developments, continued development of technologies related to RNG, and various forms of hydrogen for different applications, among others.

NW Natural continues to take proactive steps in seeking to reduce GHG emissions in our region and is proactively communicating with local, state, and federal governments and communities about those steps. NW Natural has been a leader among gas utilities in innovative programs. Notable programs have included a decoupling rate structure designed to weaken the link between revenue and gas consumption by customer adopted in 2007, and establishment of a voluntary Smart Energy carbon offset program for customers established in 2007, and removal of all known cast iron and bare steel to create one of the tightest and most modern distribution systems in the country. We continue to believe that NW Natural has an important role in providing affordable and equitable energy to the communities we serve. NW Natural is an important provider of energy to families and businesses in Oregon and southwest Washington. Natural gas sales to our residential and commercial customers account for approximately 6% of Oregon's GHG emissions according to the 2019 data from the State of Oregon Department of Environmental Quality In-Boundary GHG Inventory. We intend to continue to provide this necessary energy to our communities with the goal of using our modern pipeline system to help the Pacific Northwest transition to a clean energy future.

In 2016, NW Natural initiated a multi-pronged, multi-year strategy to accelerate and deliver greater GHG emission reductions in the communities we serve. Key components of this strategy include customer energy efficiency, continued adoption of NW Natural's voluntary Smart Energy carbon offset program, and seeking to incorporate RNG and hydrogen into our gas supply. RNG is produced from organic materials including food, agricultural and forestry waste, wastewater, or landfills. We believe RNG has the potential to significantly reduce net GHG emissions because methane that would otherwise be released to the atmosphere can be captured from these organic materials as they decompose and then conditioned to pipeline quality and distributed into our existing system. In 2019, Oregon Senate Bill 98 (SB 98) was signed into law enabling NW Natural to procure RNG on behalf of customers and provided voluntary targets that would allow us to make qualified investments and purchase RNG from third parties.

Under SB 98, NW Natural is actively working to procure RNG supply for customers and increase the amount of RNG on our system and is also exploring the development of renewable hydrogen through power to gas. To that end, in 2020 and 2021, NW Natural announced several agreements and investments to procure RNG for its customers. For example, NW Natural began a partnership with BioCarbN to invest up to an estimated \$38 million in four separate RNG development projects that will access biogas derived from water treatment at Tyson Foods' processing plants, subject to approval by all parties. The first project was commissioned in early 2022 with a second underway and planned to be commissioned in early 2023. To date, NW Natural has signed agreements with options to purchase or develop RNG for utility customers totaling about 3% of NW Natural's annual sales volume in Oregon.

## Business Segment - Natural Gas Distribution (NGD)

NGD margin results are primarily affected by customer growth, revenues from rate-base additions, and, to a certain extent, by changes in delivered volumes due to weather and customers' gas usage patterns. In Oregon, NW Natural has a conservation tariff (also called the decoupling mechanism), which adjusts margin up or down each month through a deferred regulatory accounting adjustment designed to offset changes resulting from increases or decreases in average use by residential and commercial customers. NW Natural also has a weather normalization tariff in Oregon, WARM, which adjusts customer bills up or down to offset changes in margin resulting from above- or below-average temperatures during the winter heating season. Residential and commercial customers in Oregon are allowed to opt out of the weather normalization mechanism, and as of December 31, 2022, approximately 7% of total eligible customers had opted out. NW Natural does not have a weather normalization mechanism approved for Washington customers, which account for about 12% of total customers. The decoupling

and WARM mechanisms are designed to reduce, but not eliminate, the volatility of customer bills and natural gas distribution revenue. See "Regulatory Matters—*Rate Mechanisms*" above. In addition to NW Natural's local gas distribution business, the NGD segment also includes the portion of the Mist underground storage facility used to serve NGD customers, the North Mist gas storage expansion, NWN Gas Reserves, which is a wholly owned subsidiary of Energy Corp., and NW Natural RNG Holding Company, LLC.

The NGD business is primarily seasonal in nature due to higher gas usage by residential and commercial customers during the cold winter heating months. Other categories of customers experience seasonality in their usage but to a lesser extent. Seasonality affects the comparability of the results of operations of the NGD business across quarters but not across years.

NGD segment highlights include:

Dollars and therms in millions, except EPS data	2022	2021	2020
NGD net income	\$ 79.7	\$ 69.0	\$ 63.6
Diluted EPS - NGD segment	\$ 2.34	\$ 2.24	\$ 2.08
Gas sold and delivered (in therms)	1,252	1,185	1,143
NGD margin ⁽¹⁾	\$ 505.9	\$ 479.8	\$ 438.1

⁽¹⁾ See Natural Gas Distribution Margin Table below for additional detail.

**2022 COMPARED TO 2021.** NGD net income was \$79.7 million in 2022 compared to \$69.0 million in 2021. The primary factors contributing to the increase in NGD net income were as follows:

- \$26.1 million increase in NGD margin primarily due to:
  - \$14.9 million increase due to new customer rates from the 2022 Oregon and 2021 Washington rate cases that went into effect November 1, 2022;
  - \$6.1 million increase driven by customer growth;
  - \$3.0 million increase due to higher usage from colder comparative weather from customers that are not decoupled, net of the loss from the Oregon gas cost incentive sharing mechanism;
  - \$2.9 million increase due to the amortization of deferred balances primarily related to COVID-19, cybersecurity, and ERP upgrades; and
- \$12.1 million increase in other income, net primarily due to lower pension non-service costs and interest income from the equity portion of AFUDC; partially offset by
- \$16.7 million increase in NGD operations and maintenance expenses due to higher contract labor, amortization expense related to cloud computing arrangements, professional service fees, and information technology costs;
- \$3.4 million increase in interest expense primarily due to higher long-term debt balances and higher interest rates, partially offset by higher AFUDC debt interest income;
- \$2.9 million higher income tax expense reflecting higher pretax income; and
- \$2.4 million increase in depreciation expense as we continue to invest in our natural gas utility system and facilities.

Total natural gas sold and delivered in 2022 increased 6% over 2021 primarily due to 1% colder than average weather in 2022 compared to 12% warmer than average weather in 2021.

**2021 COMPARED TO 2020.** NGD net income was \$69.0 million in 2021 compared to \$63.6 million in 2020. The primary factors contributing to the increase in NGD net income were as follows:

- \$41.7 million increase in NGD margin primarily due to:
  - \$36.4 million increase due to new customer rates primarily from the 2020 Oregon rate case that went into effect November 1, 2020;
  - \$5.7 million increase from residential customer growth and an increase in industrial customer volumes; partially offset by
  - \$3.6 million decrease primarily driven by a loss from the gas cost incentive sharing mechanism in Oregon.

In addition to the increase in margin, NGD net income for 2021 reflects:

- \$19.3 million increase in other NGD operating and maintenance expenses primarily due to higher information technology expenses, compensation and benefits costs, and lease expense;
- \$8.9 million increase in depreciation expense due to NGD plant additions as we continued to invest in our gas utility system;
- \$5.3 million higher income tax expense reflecting higher pretax income and Oregon CAT; and
- \$3.3 million increase in general taxes due primarily to higher assessed property values; partially offset by
- \$2.7 million increase in other income (expense), net primarily due to higher interest income on regulatory assets.

Total natural gas sold and delivered in 2021 increased 4% over 2020 primarily due to the recovery of commercial customer activity as pandemic restrictions lifted compared to the prior period and NGD meter growth.

NGD volumes (therms):         766,592         703,054         677,271         63,538         25,783           Industrial sales and transportation         485,745         481,721         465,626         4,024         16,095           Total NGD volumes sold and delivered         1,252,337         1,142,787         1,142,897         67,562         41,878           Operating revenues:         Residential and commercial sales         \$ 881,370         \$ 730,794         \$ 661,346         \$ 150,576         \$ 69,448           Industrial sales and transportation         86,810         65,299         58,678         21,511         6,621           Other distribution revenues         1,944         1,707         1,926         237         (219)           Other regulated services         19,628         19,087         741,072         172,865         75,815           Less: Cost of gas         429,861         292,538         262,980         (137,323)         (29,558)           Less: Environmental remediation expense         12,389         9,938         9,691         (2,451)         (247)           Less: Revenue taxes         41,627         34,600         30,291         (7,027)         (4,309)           NGD margin         5 505,875         \$ 479,811         \$ 438,110					Favorable (	Unfa	vorable)
Residential and commercial sales         766,592         703,054         677,271         63,538         25,783           Industrial sales and transportation         485,745         481,721         465,626         4,024         16,095           Operating revenues:         1,184,775         1,142,897         67,562         41,875           Residential and commercial sales         \$ 881,370         \$ 730,794         \$ 661,346         \$ 150,576         \$ 69,448           Industrial sales and transportation         86,810         65,299         58,678         21,511         6,621           Other regulated services         1,944         1,707         1,926         237         (219)           Other regulated perating revenues         99,672         816,887         741,072         172,865         75,815           Less: Cost of gas         429,861         292,538         262,980         (137,323)         (29,558)           Less: Revenue taxes         41,627         34,600         30,291         (7,027)         (4,306)           Industrial sales and transportation         33,543         32,182         30,800         1,361         1,382           Gain (loss) from gas cost incentive sharing         (4,917)         (3,381)         267         (1,536)         (3,648) <th>In thousands, except degree day and customer data</th> <th>2022</th> <th>2021</th> <th>2020</th> <th>2022 vs. 2021</th> <th>20</th> <th>21 vs. 2020</th>	In thousands, except degree day and customer data	2022	2021	2020	2022 vs. 2021	20	21 vs. 2020
Industrial sales and transportation       485,745       481,721       465,626       4,024       16,095         Total NGD volumes sold and delivered       1,252,337       1,184,775       1,142,897       67,562       41,878         Operating revenues:       Residential and commercial sales       \$ 881,370       \$ 730,794       \$ 661,346       \$ 150,576       \$ 69,448         Industrial sales and transportation       86,810       65,299       58,678       21,511       6,621         Other distribution revenues       1,944       1,707       1,926       237       (219)         Other regulated services       19,628       19,087       19,122       541       (35)         Total operating revenues       989,752       816,887       741,072       172,865       75,815         Less: Cost of gas       429,861       292,538       262,980       (137,323)       (247)         Less: Revenue taxes       41,627       34,600       30,291       (7,027)       (4,309)         NGD margin ¹¹ \$ 505,875       \$ 479,811       \$ 438,110       \$ 26,064       \$ 41,701         Residential and commercial sales       \$ 455,686       \$ 430,295       \$ 385,989       \$ 25,391       \$ 44,306         Industrial sales and transportation	NGD volumes (therms):						
Total NGD volumes sold and delivered         1,252,337         1,142,897         67,562         41,878           Operating revenues:         Residential and commercial sales         \$ 881,370         \$ 730,794         \$ 661,346         \$ 150,576         \$ 69,448           Industrial sales and transportation         86,810         65,299         58,678         21,511         6,621           Other distribution revenues         19,628         19,087         19,122         541         (35)           Total operating revenues         989,752         816,887         741,072         172,865         75,815           Less: Cost of gas         429,861         292,533         262,980         (137,323)         (247)           NGD margin         \$ 505,875         \$ 479,811         \$ 438,110         \$ 26,064         \$ 41,071           NGD margin ⁽¹⁾ \$ 505,875         \$ 479,811         \$ 430,295         \$ 385,989         25,391         \$ 44,306           Industrial sales and transportation         33,543         32,182         30,800         1,361         1,382           Gain (loss) from gas cost incentive sharing         (4,917)         (3,381)         267         (1,536)         (3,44)           NGD margin         19,620         19,082         19,116	Residential and commercial sales	766,592	703,054	677,271	63,538		25,783
Operating revenues:         Solution         Solution </td <td>Industrial sales and transportation</td> <td>485,745</td> <td>481,721</td> <td>465,626</td> <td>4,024</td> <td></td> <td>16,095</td>	Industrial sales and transportation	485,745	481,721	465,626	4,024		16,095
Residential and commercial sales       \$ 881,370       \$ 730,794       \$ 661,346       \$ 150,576       \$ 69,448         Industrial sales and transportation       86,810       65,299       58,678       21,511       6,621         Other distribution revenues       1,944       1,707       1,926       237       (219)         Other regulated services       98,752       816,887       741,072       172,865       75,815         Less: Cost of gas       429,861       292,553       262,980       (137,323)       (22,558)         Less: Environmental remediation expense       12,389       9,938       9,691       (2,451)       (247)         Less: Revenue taxes       41,627       34,600       30,291       (7,027)       (4,309)         NGD margin       \$ 505,875       \$ 479,811       \$ 438,110       \$ 26,064       \$ 41,701         NGD margin       (4,917)       (3,381)       267       (1,536)       (3,648)         Other margin       1,943       1,633       1,938       310       (305)         Other margin       19,620       19,082       19,116       538       (34)         NGD margin       \$ 26,664       \$ 41,701       10,823       (1,363       1,398       310       (305)<	Total NGD volumes sold and delivered	1,252,337	1,184,775	1,142,897	67,562		41,878
Industrial sales and transportation       86,810       65,299       58,678       21,511       6,621         Other distribution revenues       1,944       1,707       1,926       237       (219)         Other regulated services       19,628       19,087       19,122       541       (35)         Total operating revenues       989,752       816,887       741,072       172,865       75,815         Less: Cost of ga       429,861       292,538       262,980       (137,323)       (29,558)         Less: Environmental remediation expense       12,389       9,938       9,691       (2,451)       (247)         Less: Environmental remediation expense       41,627       34,600       30,291       (7,027)       (4,309)         NGD margin ⁽¹⁾ \$ 505,875       \$ 479,811       \$ 438,110       \$ 26,064       \$ 41,701         NGD margin       1,943       1,633       1,938       310       (305)         Other regulated services       19,620       19,082       19,116       538       (34)         NGD margin       1,943       1,633       1,938       310       (305)         Other regulated services       19,620       19,082       19,116       538       (34)	Operating revenues:						
Other distribution revenues1,9441,7071,926237(219)Other regulated services19,62819,08719,122541(35)Total operating revenues989,752816,887741,072172,86575,815Less: Cost of gas429,861292,538262,980(137,323)(29,558)Less: Environmental remediation expense12,3399,9389,691(2,451)(247)Less: Revenue taxes41,62734,60030,291(7,027)(4,309)NGD margin\$ 505,875\$ 479,811\$ 438,110\$ 26,064\$ 41,701NGD margin(1)\$ 26,064\$ 41,701(3,381)267(1,536)(3,648)Cher equilated services19,62019,08219,116538(34)Other regulated services19,62019,08219,116538(34)NGD margin\$ 505,875\$ 479,811\$ 438,110\$ 26,064\$ 41,701Degree days ⁽²⁾ 19,08219,116538(34)NGD meters - end of period:2,6662,6922,706(6)(14)Actual2,7122,3782,38414 %- 9Percent colder (warmer) than average weather1,07197898993(11)NGD meters - end of period:10,71197898993(11)Total number of meters1,249785,897774,4768,60011,421NGD meters - end of period:794,497785,897774,4768,60011,4	Residential and commercial sales	\$ 881,370	\$ 730,794	\$ 661,346	\$ 150,576	\$	69,448
Other regulated services Total operating revenues19,62819,08719,122541(35)Total operating revenues989,752816,887741,072172,86575,815Less: Cost of gas429,861292,538262,980(137,323)(29,558)Less: Environmental remediation expense12,3899,9389,691(2,451)(247)Less: Revenue taxes41,62734,60030,291(7,027)(4,309)NGD margin\$ 505,875\$ 479,811\$ 438,110\$ 26,064\$ 41,701NGD margin ⁽¹⁾ Residential and commercial sales\$ 455,686\$ 430,295\$ 385,989\$ 25,391\$ 44,306Industrial sales and transportation33,54332,18230,8001,3611,382Gain (loss) from gas cost incentive sharing(4,917)(3,381)267(1,536)(3,648)Other margin1,9431,6331,938310(305)Other regulated services19,62019,08219,116538(34)NGD margin\$ 26,6862,6922,706(6)(14)Actual2,7122,3782,38414 %- 9Percent colder (warmer) than average weather1<%	Industrial sales and transportation	86,810	65,299	58,678	21,511		6,621
Total operating revenues         989,752         816,887         741,072         172,865         75,815           Less: Cost of gas         429,861         292,538         262,980         (137,323)         (29,558)           Less: Environmental remediation expense         12,389         9,938         9,691         (2,451)         (247)           Less: Revenue taxes         41,627         34,600         30,291         (7,027)         (4,309)           NGD margin         \$ 505,875         \$ 479,811         \$ 438,110         \$ 26,064         \$ 41,701           NGD margin ⁽¹⁾ Residential and commercial sales         \$ 455,686         \$ 430,295         \$ 385,989         \$ 25,391         \$ 44,306           Industrial sales and transportation         33,543         32,182         30,800         1,361         1,382           Gain (loss) from gas cost incentive sharing         (4,917)         (3,381)         267         (1,536)         (3,648)           Other margin         1,943         1,633         1,938         310         (305)           Other egulated services         19,620         19,082         19,116         538         (34)           NGD margin         \$ 2,686         2,692         2,706         (6)         (14) <td< td=""><td>Other distribution revenues</td><td>1,944</td><td>1,707</td><td>1,926</td><td>237</td><td></td><td>(219)</td></td<>	Other distribution revenues	1,944	1,707	1,926	237		(219)
Less: Cost of gas429,861292,538262,980(137,323)(29,558)Less: Environmental remediation expense12,3899,9389,691(2,451)(247)Less: Revenue taxes $41,627$ 34,60030,291(7,027)(4,309)NGD margin\$ 505,875\$ 479,811\$ 438,110\$ 26,064\$ 41,701NGD margin ⁽¹⁾ Residential and commercial sales\$ 455,686\$ 430,295\$ 385,989\$ 25,391\$ 44,306Industrial sales and transportation33,54332,18230,8001,3611,382Gain (loss) from gas cost incentive sharing(4,917)(3,381)267(1,536)(3,648)Other margin1,962019,08219,116538(34)NGD margin\$ 505,875\$ 479,811\$ 438,110\$ 26,064\$ 41,701Degree days ⁽²⁾ 9,62019,08219,116538(34)NGD margin\$ 505,875\$ 479,811\$ 438,110\$ 26,064\$ 41,701Degree days ⁽²⁾ 2,6862,6922,706(6)(14)Actual2,7122,3782,38414 %- 9NGD metersend of period:1,07197898993(11)Total number of meters1,07197898993(11)Total number of meters1,2%1.6%1,421NGD meter growth:1.2%1.6%1,421Residential meters1.2%1.6%1,	Other regulated services	19,628	19,087	19,122	541		(35)
Less: Environmental remediation expense       12,389       9,938       9,691       (2,451)       (247)         Less: Revenue taxes       41,627       34,600       30,291       (7,027)       (4,309)         NGD margin       \$ 505,875       \$ 479,811       \$ 438,110       \$ 26,064       \$ 41,701         NGD margin ⁽¹⁾ Residential and commercial sales       \$ 455,686       \$ 430,295       \$ 385,989       \$ 25,391       \$ 44,306         Industrial sales and transportation       33,543       32,182       30,800       1,361       1,382         Gain (loss) from gas cost incentive sharing       (4,917)       (3,381)       267       (1,536)       (3,648)         Other margin       1,943       1,633       1,938       310       (305)         Other regulated services       19,620       19,082       19,116       538       (34)         NGD margin       \$ 505,875       \$ 479,811       \$ 438,110       \$ 26,064       \$ 41,701         Degree days ⁽²⁾ (12)%       (12)%       (14)       - 9         Average ⁽³⁾ 2,686       2,692       2,706       (6)       (14)         Actual       2,712       2,378       2,384       14 %       - 9	Total operating revenues	989,752	816,887	741,072	172,865		75,815
Less: Revenue taxes       41,627       34,600       30,291       (7,027)       (4,309)         NGD margin       \$ 505,875       \$ 479,811       \$ 438,110       \$ 26,064       \$ 41,701         NGD margin ⁽¹⁾ Residential and commercial sales       \$ 455,686       \$ 430,295       \$ 385,989       \$ 25,391       \$ 44,306         Industrial sales and transportation       33,543       32,182       30,800       1,361       1,382         Gain (loss) from gas cost incentive sharing       (4,917)       (3,381)       267       (1,536)       (3,648)         Other margin       1,943       1,633       1,938       310       (305)         Other margin       1,9620       19,082       19,116       538       (34)         NGD margin       \$ 505,875       \$ 479,811       \$ 438,110       \$ 26,064       \$ 41,701         Degree days ⁽²⁾ 19,620       19,082       19,116       538       (34)         Average ⁽³⁾ 2,686       2,692       2,706       (6)       (14)         Actual       2,712       2,378       2,384       14 %       -05         NGD meters - end of period:       Residential meters       69,139       68,961       68,812       178       149	Less: Cost of gas	429,861	292,538	262,980	(137,323)		(29,558)
NGD margin         \$ 505,875         \$ 479,811         \$ 438,110         \$ 26,064         \$ 41,701           NGD margin ⁽¹⁾ Residential and commercial sales         \$ 455,686         \$ 430,295         \$ 385,989         \$ 25,391         \$ 44,306           Industrial sales and transportation         33,543         32,182         30,800         1,361         1,382           Gain (loss) from gas cost incentive sharing         (4,917)         (3,381)         267         (1,536)         (3,648)           Other margin         1,943         1,633         1,938         310         (305)           Other regulated services         19,620         19,082         19,116         538         (34)           NGD margin         \$ 505,875         \$ 479,811         \$ 438,110         \$ 26,064         \$ 41,701           Degree days ⁽²⁾ 19,620         19,082         19,116         538         (34)           Actual         2,712         2,378         2,384         14 %         -9           Percent colder (warmer) than average weather         1 %         (12)%         (12)%         11,283           Commercial meters         69,139         68,961         68,812         178         149           Industrial meters         1,	Less: Environmental remediation expense	12,389	9,938	9,691	(2,451)		(247)
NGD margin ⁽¹⁾ Residential and commercial sales         \$ 455,686         \$ 430,295         \$ 385,989         \$ 25,391         \$ 44,306           Industrial sales and transportation         33,543         32,182         30,800         1,361         1,382           Gain (loss) from gas cost incentive sharing         (4,917)         (3,381)         267         (1,536)         (3,648)           Other margin         1,943         1,633         1,938         310         (305)           Other regulated services         19,620         19,082         19,116         538         (34)           NGD margin         \$ 505,875         \$ 479,811         \$ 438,110         \$ 26,064         \$ 41,701           Degree days ⁽²⁾ <td< td=""><td>Less: Revenue taxes</td><td>41,627</td><td>34,600</td><td>30,291</td><td>(7,027)</td><td></td><td>(4,309)</td></td<>	Less: Revenue taxes	41,627	34,600	30,291	(7,027)		(4,309)
Residential and commercial sales       \$ 455,686       \$ 430,295       \$ 385,989       \$ 25,391       \$ 44,306         Industrial sales and transportation       33,543       32,182       30,800       1,361       1,382         Gain (loss) from gas cost incentive sharing       (4,917)       (3,381)       267       (1,536)       (3,648)         Other margin       1,943       1,633       1,938       310       (305)         Other regulated services       19,620       19,082       19,116       538       (34)         NGD margin       \$ 505,875       \$ 479,811       \$ 438,110       \$ 26,064       \$ 41,701         Degree days ⁽²⁾ 2,686       2,692       2,706       (6)       (14)         Actual       2,712       2,378       2,384       14 %      5         Percent colder (warmer) than average weather       1 %       (12)%       (12)%       11,283         Commercial meters       69,139       68,961       68,812       178       149         Industrial meters       1,071       978       989       93       (11)         Total number of meters       1.2 %       1.6 %       60.0       11,421         NGD meters growth:       1.2 %       1.6 %	NGD margin	\$ 505,875	\$ 479,811	\$ 438,110	\$ 26,064	\$	41,701
Industrial sales and transportation         33,543         32,182         30,800         1,361         1,382           Gain (loss) from gas cost incentive sharing         (4,917)         (3,381)         267         (1,536)         (3,648)           Other margin         1,943         1,633         1,938         310         (305)           Other regulated services         19,620         19,082         19,116         538         (34)           NGD margin         \$ 505,875         \$ 479,811         \$ 438,110         \$ 26,064         \$ 41,701           Degree days ⁽²⁾ Average ⁽³⁾ 2,686         2,692         2,706         (6)         (14)           Actual         2,712         2,378         2,384         14 %        9           NGD meters - end of period:         1%         (12)%         (12)%         11,283           Commercial meters         724,287         715,958         704,675         8,329         11,283           Commercial meters         1,071         978         989         93         (11)           Total number of meters         1.2 %         1.6 %          1.421           NGD meters         0.3 %         0.2 %         1.6 %          1.421	NGD margin ⁽¹⁾						
Gain (loss) from gas cost incentive sharing       (4,917)       (3,381)       267       (1,536)       (3,648)         Other margin       1,943       1,633       1,938       310       (305)         Other regulated services       19,620       19,082       19,116       538       (34)         NGD margin       \$ 505,875       \$ 479,811       \$ 438,110       \$ 26,064       \$ 41,701         Degree days ⁽²⁾ 2,686       2,692       2,706       (6)       (14)         Actual       2,712       2,378       2,384       14 %       - 9         Percent colder (warmer) than average weather       1 %       (12)%       (12)%       11,283         Commercial meters       69,139       68,961       68,812       178       149         Industrial meters       1,071       978       989       93       (11)         Total number of meters       1.2 %       1.6 %       11,421       1421         NGD meters       0.3 %       0.2 %       11,421       1421	Residential and commercial sales	\$ 455,686	\$ 430,295	\$ 385,989	\$ 25,391	\$	44,306
Other margin       1,943       1,633       1,938       310       (305)         Other regulated services       19,620       19,082       19,116       538       (34)         NGD margin       \$ 505,875       \$ 479,811       \$ 438,110       \$ 26,064       \$ 41,701         Degree days ⁽²⁾ Average ⁽³⁾ 2,686       2,692       2,706       (6)       (14)         Actual       2,712       2,378       2,384       14 %      9         Percent colder (warmer) than average weather       1 %       (12)%       (12)%       11,283         Commercial meters       724,287       715,958       704,675       8,329       11,283         Commercial meters       69,139       68,961       68,812       178       149         Industrial meters       794,497       785,897       774,476       8,600       11,421         NGD meter growth:       1.2 %       1.6 %       1.6 %       1.03 %       0.2 %       1.03 %       0.2 %         Industrial meters       9.5 %       (1.1)%       1.1%       1.1%       1.1%       1.1%       1.1%	Industrial sales and transportation	33,543	32,182	30,800	1,361		1,382
Other regulated services19,62019,08219,116538(34)NGD margin\$ 505,875\$ 479,811\$ 438,110\$ 26,064\$ 41,701Degree days ⁽²⁾ $2,686$ $2,692$ $2,706$ (6)(14)Actual $2,712$ $2,378$ $2,384$ $14\%$ $-9$ Percent colder (warmer) than average weather $1\%$ (12)%(12)% $11,283$ NGD meters - end of period: $724,287$ $715,958$ $704,675$ $8,329$ $11,283$ Commercial meters $69,139$ $68,961$ $68,812$ $178$ $149$ Industrial meters $1,071$ $978$ $989$ $93$ (11)Total number of meters $1.2\%$ $1.6\%$ $724,287$ $715,958$ $704,675$ $8,600$ $11,421$ NGD meter growth: $8,600$ $11,421$ $93,600$ $11,421$ $11,6\%$ $11,421$ NGD meters $9.5\%$ $(1.1)\%$ $1.6\%$ $9.5\%$ $1.1,1\%$	Gain (loss) from gas cost incentive sharing	(4,917)	(3,381)	267	(1,536)		(3,648)
NGD margin         \$ 505,875         \$ 479,811         \$ 438,110         \$ 26,064         \$ 41,701           Degree days ⁽²⁾ Average ⁽³⁾ 2,686         2,692         2,706         (6)         (14)           Actual         2,712         2,378         2,384         14 %        9           Percent colder (warmer) than average weather         1 %         (12)%         (12)%         11,283           NGD meters - end of period:         Residential meters         724,287         715,958         704,675         8,329         11,283           Commercial meters         69,139         68,961         68,812         178         149           Industrial meters         1,071         978         989         93         (11)           Total number of meters         1.2 %         1.6 %         1.476         8,600         11,421           NGD meters         0.3 %         0.2 %         1.1%         1.1%         1.1%         1.1%         1.1%	Other margin	1,943	1,633	1,938	310		(305)
Degree days ⁽²⁾ 2,686         2,692         2,706         (6)         (14)           Average ⁽³⁾ 2,686         2,692         2,706         (6)         (14)           Actual         2,712         2,378         2,384         14 %         9           Percent colder (warmer) than average weather         1 %         (12)%         (12)%         14%         9           NGD meters - end of period:          1 %         (12)%         (12)%         14%         9           Residential meters         724,287         715,958         704,675         8,329         11,283           Commercial meters         69,139         68,961         68,812         178         149           Industrial meters         1,071         978         989         93         (11)           Total number of meters         794,497         785,897         774,476         8,600         11,421           NGD meter growth:         Industrial meters         1.2 %         1.6 %         Commercial meters         0.3 %         0.2 %         Industrial meters         9.5 %         (1.1)%         Industrial meters         9.5 %         11.1%         Industrial meters         Industrial meters         9.5 %         11.1%	Other regulated services	19,620	19,082	19,116	538		(34)
Average ⁽³⁾ 2,686       2,692       2,706       (6)       (14)         Actual       2,712       2,378       2,384       14 %       - 9         Percent colder (warmer) than average weather       1 %       (12)%       (12)%       14.8%       - 9         NGD meters - end of period:       724,287       715,958       704,675       8,329       11,283         Commercial meters       69,139       68,961       68,812       178       149         Industrial meters       1,071       978       989       93       (11)         Total number of meters       1,2%       1.6 %       11,421         NGD meters       0.3 %       0.2 %       1.1)%	NGD margin	\$ 505,875	\$ 479,811	\$ 438,110	\$ 26,064	\$	41,701
Actual       2,712       2,378       2,384       14 %       - 9         Percent colder (warmer) than average weather       1 %       (12)%       (12)%       14 %       - 9         NGD meters - end of period:       1 %       (12)%       (12)%       14 %       - 9         Residential meters       724,287       715,958       704,675       8,329       11,283         Commercial meters       69,139       68,961       68,812       178       149         Industrial meters       1,071       978       989       93       (11)         Total number of meters       794,497       785,897       774,476       8,600       11,421         NGD meter growth:       1.2 %       1.6 %       0.3 %       0.2 %       1.1%       1.1%	Degree days ⁽²⁾						
Percent colder (warmer) than average weather       1 %       (12)%       (12)%         NGD meters - end of period:       Residential meters       724,287       715,958       704,675       8,329       11,283         Commercial meters       69,139       68,961       68,812       178       149         Industrial meters       1,071       978       989       93       (11)         Total number of meters       794,497       785,897       774,476       8,600       11,421         NGD meter growth:       1.2 %       1.6 %       1.6 %       1.03 %       0.2 %       1.1)%	Average ⁽³⁾	2,686	2,692	2,706	(6)		(14)
NGD meters - end of period:         Residential meters       724,287       715,958       704,675       8,329       11,283         Commercial meters       69,139       68,961       68,812       178       149         Industrial meters       1,071       978       989       93       (11)         Total number of meters       794,497       785,897       774,476       8,600       11,421         NGD meter growth:       1.2 %       1.6 %              Residential meters       0.3 %       0.2 %                 Industrial meters       9.5 %       (1.1)%	Actual	2,712	2,378	2,384	14 %	1	- %
Residential meters       724,287       715,958       704,675       8,329       11,283         Commercial meters       69,139       68,961       68,812       178       149         Industrial meters       1,071       978       989       93       (11)         Total number of meters       794,497       785,897       774,476       8,600       11,421         NGD meter growth:       1.2 %       1.6 %       1.6 %       1.10%       1.10%       1.10%	Percent colder (warmer) than average weather	1 %	(12)%	(12)%			
Commercial meters       69,139       68,961       68,812       178       149         Industrial meters       1,071       978       989       93       (11)         Total number of meters       794,497       785,897       774,476       8,600       11,421         NGD meter growth:       1.2 %       1.6 %       0.3 %       0.2 %       1.1)%         Industrial meters       9.5 %       (1.1)%       0.1 %       0.1 %	NGD meters - end of period:						
Industrial meters         1,071         978         989         93         (11)           Total number of meters         794,497         785,897         774,476         8,600         11,421           NGD meter growth:         1.2 %         1.6 %         1         1.6 %         1         1           Residential meters         0.3 %         0.2 %         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	Residential meters	724,287	715,958	704,675	8,329		11,283
Total number of meters         794,497         785,897         774,476         8,600         11,421           NGD meter growth:         Industrial meters         1.2 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1.6 %         1	Commercial meters	69,139	68,961	68,812	178		149
Total number of meters         794,497         785,897         774,476         8,600         11,421           NGD meter growth:	Industrial meters	1,071	978	989	93		(11)
Residential meters1.2 %1.6 %Commercial meters0.3 %0.2 %Industrial meters9.5 %(1.1)%	Total number of meters	794,497	785,897	774,476	8,600		11,421
Residential meters1.2 %1.6 %Commercial meters0.3 %0.2 %Industrial meters9.5 %(1.1)%	NGD meter growth:					_	
Commercial meters         0.3 %         0.2 %           Industrial meters         9.5 %         (1.1)%	Residential meters	1.2 %	1.6 %				
Industrial meters 9.5 % (1.1)%	Commercial meters						

**NATURAL GAS DISTRIBUTION MARGIN TABLE.** The following table summarizes the composition of NGD gas volumes, revenues, and cost of sales:

⁽¹⁾ Amounts reported as NGD margin for each category of meters are operating revenues less cost of gas, environmental remediation expense and revenue taxes.

Heating degree days are units of measure reflecting temperature-sensitive consumption of natural gas, calculated by subtracting the average of a day's high and low temperatures from 59 degrees Fahrenheit.

⁽³⁾ Average weather represents the 25-year average of heating degree days. Beginning November 1, 2022, average weather is calculated over the period June 1, 1996 through May 31, 2021, as determined in NW Natural's 2022 Oregon general rate case. From November 1, 2020 through October 31, 2022, average weather was calculated over the period June 1, 1994 through May 31, 2019, as determined in NW Natural's 2020 Oregon general rate case.

### Residential and Commercial Sales

The primary factors that impact results of operations in the residential and commercial markets are customer growth, seasonal weather patterns, energy prices, competition from other energy sources, and economic conditions in our service areas. The impact of weather on margin is significantly reduced through NW Natural's weather normalization mechanism in Oregon; approximately 81% of NW Natural's total customers are covered under this mechanism. The remaining customers either opt out of the mechanism or are located in Washington, which does not have a similar mechanism in place. For more information on the weather mechanism, see "Regulatory Matters—Rate Mechanisms—*WARM*" above.

NGD residential and commercial sales highlights include:

In millions	2022	2021		2020
Volumes (therms):				
Residential sales	478.1	44	45.6	435.2
Commercial sales	288.5	25	57.5	242.1
Total volumes	766.6	70	03.1	 677.3
Operating revenues:				
Residential sales	\$ 595.0	\$ 50	06.2	\$ 460.3
Commercial sales	286.4	22	24.6	201.0
Total operating revenues	\$ 881.4	\$ 73	30.8	\$ 661.3
NGD Margin:				
Residential margin	\$ 328.2	\$ 3	12.5	\$ 281.1
Commercial margin	127.5	1	17.8	104.9
Total NGD margin	\$ 455.7	\$ 43	30.3	\$ 386.0

**2022 COMPARED TO 2021.** The increase of \$150.6 million in total NGD residential and commercial operating revenue and \$25.4 million in NGD margin were primarily the result of new customer rates in Oregon and Washington that took effect on November 1, 2022, 1.2% growth in residential customer meters, and higher usage from colder comparative weather from customers that are not decoupled. Sales volumes increased 63.5 million therms, or 9%, primarily due to higher usage driven by comparatively colder weather.

**2021 COMPARED TO 2020.** The increase of \$69.5 million in total residential and commercial operating revenue and \$44.3 million in NGD margin were primarily the result of new customer rates in Oregon that took effect on November 1, 2020, growth in residential customer meters, and higher commercial volumes as COVID-19 restrictions and closures were lifted. Sales volumes as COVID-19 restrictions and higher commercial volumes as COVID-19 restrictions and closures were lifted.

#### Industrial Sales and Transportation

Industrial customers have the option of purchasing sales or transportation services. Under the sales service, the customer buys the gas commodity from NW Natural. Under the transportation service, the customer buys the gas commodity directly from a third-party gas marketer or supplier. The NGD gas commodity cost is primarily a pass-through cost to customers; therefore, NGD profit margins are not materially affected by an industrial customer's decision to purchase gas from third parties. Industrial and large commercial customers may also select between firm and interruptible service options, with firm services generally providing higher profit margins compared to interruptible services. To help manage gas supplies, industrial tariffs are designed to provide some certainty regarding industrial customers' volumes by requiring an annual service election which becomes effective November 1, special charges for changes between elections, and in some cases, a minimum or maximum volume requirement before changing options.

NGD industrial sales and transportation highlights include:

In millions	2022	2021	2020
Volumes (therms):			
Firm and interruptible sales	104.4	90.8	82.9
Firm and interruptible transportation	381.3	390.9	382.7
Total volumes	485.7	481.7	465.6
NGD Margin:			
Firm and interruptible sales	\$ 13.6	\$ 12.6	\$ 11.6
Firm and interruptible transportation	19.9	19.6	19.2
Total NGD margin	\$ 33.5	\$ 32.2	\$ 30.8

**2022 COMPARED TO 2021.** NGD total industrial sales and transportation volumes increased 4.0 million therms, or 1%, primarily due to higher usage from multiple customers, most notably in the light manufacturing, primary metals, and electric manufacturing industries, partially offset by lower usage from customers in the plastic manufacturing industry. NGD margin increased \$1.3 million primarily driven by new rates in Oregon and Washington that took effect on November 1, 2022.

**2021 COMPARED TO 2020.** NGD total industrial sales and transportation volumes increased 16.1 million therms, or 3%, primarily due to higher usage from multiple customers, most notably in the pulp and paper and chemical manufacturing industries. NGD margin increased \$1.4 million primarily driven by new rates in Oregon that took effect on November 1, 2020.

#### Other Regulated Services Margin

Other Regulated Services primarily consist of lease revenues from NW Natural's North Mist storage facility as well as other lease revenues for compressed natural gas assets.

Other regulated services margin highlights include:

In millions	2022	2021	2020
North Mist storage services	\$ 19.4	\$ 18.9	\$ 19.5
Other services	 0.2	 0.2	 (0.4)
Total other regulated services	\$ 19.6	\$ 19.1	\$ 19.1

**2022 COMPARED TO 2021.** Other regulated services margin increased \$0.5 million due to an increase in storage service revenue from the North Mist facility. See Note 7 for more information regarding North Mist expansion lease accounting.

**2021 COMPARED TO 2020.** Other regulated services margin was relatively flat when compared to the prior period. The North Mist facility did not experience any significant fluctuations in storage service revenue. See Note 7 for more information regarding North Mist expansion lease accounting.

## Cost of Gas

Cost of gas as reported by the NGD segment includes gas purchases, gas withdrawn from storage inventory, gains and losses from commodity hedges, pipeline demand costs, seasonal demand cost balancing adjustments, renewable natural gas and its attributes, including renewable thermal certificates, regulatory gas cost deferrals, gas reserves costs, and company gas use. The OPUC and WUTC generally require natural gas commodity costs to be billed to customers at the actual cost incurred, or expected to be incurred. Customer rates are set each year so that if cost estimates were met the NGD business would not earn a profit or incur a loss on gas commodity purchases; however, in Oregon we have the incentive sharing mechanism described under "Regulatory Matters—Rate Mechanisms—*Purchased Gas Adjustment*" above. In addition to the PGA incentive sharing mechanism, gains and losses from hedge contracts entered into after annual PGA rates are effective for Oregon customers are also required to be shared and therefore may impact net income. Further, NW Natural also has a regulatory agreement whereby it earns a rate of return on its investment in the gas reserves acquired under the original agreement with Encana and includes gas from the amended gas reserves agreement at a fixed rate of \$0.4725 per therm, which are also reflected in NGD margin. See "Application of Critical Accounting Policies and Estimates—*Derivative Instruments and Hedging Activities*" below.

Cost of gas highlights include:

In millions, except where indicated	2022	2021	2020
Cost of gas	\$ 429.9	\$ 292.5	\$ 263.0
Volumes sold (therms) ⁽¹⁾	871.0	793.9	760.2
Average cost of gas (cents per therm)	\$ 0.49	\$ 0.37	\$ 0.35
Gain (loss) from gas cost incentive sharing	\$ (4.9)	\$ (3.4)	\$ 0.3

⁽¹⁾ This calculation excludes volumes delivered to industrial transportation customers.

**2022 COMPARED TO 2021.** Cost of gas increased \$137.4 million, or 47%, primarily due to a 32% increase in the average cost of gas with the majority of these higher gas costs embedded in the PGA. The remaining increase in cost of gas is primarily the result of a 10% increase in volumes sold, driven by customer growth and comparatively colder weather. For a discussion of the gas cost incentive sharing mechanism, see "Regulatory Matters—Rate Mechanisms—*Purchased Gas Adjustment*" above.

**2021 COMPARED TO 2020.** Cost of gas increased \$29.5 million, or 11%, primarily due to a \$3.4 million loss from gas cost incentive sharing driven by costs related to the 2021 cold weather event that were not deferred for future recovery. The remaining increase in cost of gas is primarily the result of a 4% increase in volumes sold driven by customer growth and higher commercial volumes as COVID-19 restrictions and closures were lifted. For a discussion of the gas cost incentive sharing mechanism, see "Regulatory Matters—Rate Mechanisms—*Purchased Gas Adjustment*" above.

## <u>Other</u>

Other activities aggregated and reported as other at NW Holdings include NNG Financial's investment in Kelso-Beaver Pipeline (KB Pipeline); NW Natural Renewables Holdings, LLC and its non-regulated renewable natural gas activities; NWN Water, which

owns and continues to pursue investments in the water and wastewater sector; and NWN Water's investment in Avion Water Company, Inc. (Avion Water). Other activities aggregated and reported as other at NW Natural include the non-NGD storage activity at Mist as well as asset management services and the appliance retail center operations. See Note 4 for further discussion of our business segment and other, as well as our direct and indirect wholly-owned subsidiaries. See Note 13 for information on our Avion Water investment.

On August 6, 2020, NWN Energy completed the sale of its interest in Trail West Holdings, LLC (TWH) to an unrelated third party. See Note 13 for further details.

At Mist, NW Natural provides gas storage services to customers in the interstate and intrastate markets using storage capacity that has been developed in advance of NGD customers' requirements. Pre-tax income from gas storage at Mist and asset management services is subject to revenue sharing with NGD customers. Under this regulatory incentive sharing mechanism, NW Natural retains 80% of pre-tax income from Mist gas storage services and asset management services when the underlying costs of the capacity being used are not included in NGD business rates. The remaining 20% is credited to a deferred regulatory account for credit to NGD customers. To the extent that the capacity used is included in NGD rates, NW Natural retains 10% of pre-tax income from such storage and asset management services and 90% is credited to NGD business customers.

The following table presents the results of activities aggregated and reported as other for both NW Holdings and NW Natural:

In millions, except EPS data	2022	2021	2020
NW Natural other - net income	\$ 11.9	\$ 12.2	\$ 7.0
Other NW Holdings activity	 (5.3)	 (2.5)	 (0.3)
NW Holdings other - net income	\$ 6.6	\$ 9.7	\$ 6.7
Diluted EPS - NW Holdings - other	\$ 0.20	\$ 0.32	\$ 0.22

**2022 COMPARED TO 2021.** Other net income decreased \$3.1 million and \$0.3 million at NW Holdings and NW Natural, respectively. The decrease at NW Holdings was driven by the decrease at NW Natural, higher interest expense at the holding company, and costs associated with non-regulated renewable natural gas activities.

**2021 COMPARED TO 2020.** Other net income increased \$3.0 million and \$5.2 million at NW Holdings and NW Natural, respectively. The increase at NW Natural was primarily due to \$7.9 million of higher asset management revenue primarily related to the 2021 cold weather event, partially offset by \$2.1 million of income tax expense associated with the higher revenue. The increase at NW Holdings was driven by the increase at NW Natural, partially offset by higher business development and consulting costs at the holding company.

## **Consolidated Operations**

Operations and Maintenance

Operations and maintenance highlights include:

In millions	2022	2021	2020
NW Natural	\$ 204.8	\$ 188.8	\$ 168.9
Other NW Holdings operations and maintenance	 19.9	 15.4	 11.2
NW Holdings	\$ 224.7	\$ 204.2	\$ 180.1

**2022 COMPARED TO 2021.** Operations and maintenance expense increased \$16.0 million for NW Natural primarily due to the following:

- \$6.0 million increase in contract labor for safety and reliability and contracted support for information technology system upgrades;
- \$4.1 million increase in amortization expense related to cloud computing arrangements;
- \$3.0 million increase in information technology maintenance and support; and
- \$2.0 million increase in professional service fees.

Operations and maintenance expense increased \$20.5 million for NW Holdings primarily due to the following:

- \$16.0 million increase in operations and maintenance expense at NW Natural as discussed above; and
- \$4.5 million increase in other NW Holdings operations and maintenance expense primarily due to costs associated with water and wastewater subsidiaries and non-regulated renewable natural gas activities.

**2021 COMPARED TO 2020.** Operations and maintenance expense increased \$19.9 million for NW Natural primarily due to the following:

- \$7.4 million increase in contractor, professional service fees and license costs related to information technology system upgrades;
- \$4.8 million increase related to higher compensation and benefit costs; and
- \$3.6 million increase in lease expense related to a new headquarters and operations center.

Operations and maintenance expense increased \$24.1 million for NW Holdings primarily due to the following:

- \$19.9 million increase in operations and maintenance expense at NW Natural as discussed above; and
- \$4.2 million increase in other NW Holdings operations and maintenance expense primarily due to higher business development and consulting costs at the holding company.

**Depreciation** 

Depreciation highlights include:

In millions	2022	2021	2020
NW Natural	\$ 113.0	\$ 110.5	\$ 101.6
Other NW Holdings depreciation	 3.7	 3.0	 2.1
NW Holdings	\$ 116.7	\$ 113.5	\$ 103.7

**2022 COMPARED TO 2021.** Depreciation expense increased \$2.5 million for NW Natural, primarily due to additional capital investments in the distribution system, Mist storage, and information technology systems, as well as renovation and construction of resource and operations service centers. The increase was partially offset by the amortization of cloud computing arrangements, which are recorded within operations and maintenance expenses beginning in 2022.

Depreciation expense increased \$3.2 million for NW Holdings, primarily due to a \$0.7 million increase in other NW Holdings depreciation related to water and wastewater subsidiaries and a \$2.5 million increase at NW Natural as discussed above.

**2021 COMPARED TO 2020.** Depreciation expense increased \$8.9 million for NW Natural, primarily due to additional capital investments in the distribution system, Mist storage, and information technology systems, as well as renovation and construction of resource and operations service centers.

Depreciation expense increased \$9.8 million for NW Holdings, primarily due to a \$0.9 million increase in other NW Holdings depreciation related to water and wastewater acquisitions and an \$8.9 million increase at NW Natural as discussed above.

Other Income (Expense), Net

Other income (expense), net highlights include:

In millions	2	.022	2021	2020
NW Natural total other income (expense), net	\$	(0.4) \$	(12.7)	\$ (15.1)
Other NW Holdings activity		1.6	0.1	1.2
NW Holdings total other income (expense), net	\$	1.2 \$	(12.6)	\$ (13.9)

**2022 COMPARED TO 2021.** Other expense, net decreased \$12.3 million at NW Natural primarily due to lower pension non-service costs and interest income from the equity portion of AFUDC. Costs related to our defined benefit pension plan in 2022 decreased compared to the prior year due to changes in assumptions and gains on plan assets.

Other income, net increased \$13.8 million at NW Holdings driven by the change at NW Natural discussed above, in addition to earnings from Avion Water. Other income (expense), net primarily consists of regulatory interest, pension and other postretirement non-service costs, gains from company-owned life insurance, and donations.

**2021 COMPARED TO 2020.** Other income (expense), net changed \$2.4 million at NW Natural primarily due to higher interest income on regulatory assets and lower pension non-service costs. Other income (expense), net changed \$1.3 million at NW Holdings driven by the change at NW Natural discussed above, partially offset by a gain recognized in the prior period related to the sale of Trail West.

Interest Expense, Net Interest expense, net highlights include:

In millions	2022	2021	2020
NW Natural	\$ 46.3	\$ 43.0	\$ 40.9
Other NW Holdings interest expense	 6.9	 1.5	 2.2
NW Holdings	\$ 53.2	\$ 44.5	\$ 43.1

**2022 COMPARED TO 2021.** Interest expense, net, increased \$3.3 million at NW Natural primarily due to a higher interest rate on a lower commercial paper balance and higher interest rates and a higher level of long-term debt, partially offset by higher AFUDC debt interest income.

Interest expense, net, increased \$8.7 million at NW Holdings primarily due to the increase at NW Natural discussed above and higher interest expense on the credit facility and long-term debt at NW Holdings as a result of higher balances and higher interest rates.

2021 COMPARED TO 2020. Interest expense, net, increased \$2.1 million at NW Natural primarily due to lower AFUDC debt interest income and higher interest on long-term debt.

Interest expense, net, increased \$1.4 million at NW Holdings primarily due to the increase at NW Natural discussed above, partially offset by lower interest expense on the credit agreement at NW Holdings.

Income Tax Expense

NW Holdings income tax expense highlights include:

In millions	2022	2021	2020
Income tax expense	\$ 29.1 \$	\$ 27.4	\$ 21.1
Effective tax rate	25.2 %	25.8 %	23.1 %
NW Natural income tax expense highlights include:			
In millions	2022	2021	2020
Income tax expense	\$ 31.0 \$	\$ 28.3	\$ 21.1
Effective tax rate	25.3 %	25.9 %	23.0 %

**2022 COMPARED TO 2021.** The effective tax rate decreased 0.6 percentage points at both NW Holdings and NW Natural. The decrease in the effective tax rate is primarily due to lower income tax amortization of the 2020 Oregon Corporate Activity Tax (CAT) in 2022, which was subject to regulatory deferral when it became effective on January 1, 2020 and then amortized in income tax expense as recovery began in late 2020, 2021, and 2022.

**2021 COMPARED TO 2020.** The effective tax rate increased 2.7 and 2.9 percentage points at NW Holdings and NW Natural, respectively. The increase in the effective tax rate is primarily due to Oregon Corporate Activity Tax, the majority of which is incurred because of Oregon regulated operations and for which rate recovery began on November 1, 2020.

### **Discontinued Operations**

On June 20, 2018, NWN Gas Storage, a wholly-owned subsidiary of NW Holdings, entered into a Purchase and Sale Agreement (the Agreement) that provided for the sale by NWN Gas Storage of all of its membership interests in Gill Ranch. Gill Ranch owns a 75% interest in the natural gas storage facility located near Fresno, California known as the Gill Ranch Gas Storage Facility.

On December 4, 2020, NWN Gas Storage closed the sale of all the memberships interests in Gill Ranch and received payment of the initial cash purchase price of \$13.5 million less the \$1.0 million deposit previously paid. Furthermore, additional payments to NWN Gas Storage may be made subject to a maximum amount of \$15.0 million in the aggregate (subject to a working capital adjustment) based on the economic performance of Gill Ranch each full gas storage year (April 1 of one year through March 31 of the following year) occurring after the closing and the remaining portion of the 2020-2021 gas storage year and will continue until such time as the maximum amount has been paid. The fair value of this arrangement at the closing date was zero based on a discounted cash flow forecast. Subsequent changes in the fair value will be recorded in earnings. The completion of the sale resulted in an after-tax gain of \$5.9 million for the year ended December 31, 2020.

The results of Gill Ranch Storage have been determined to be discontinued operations until the date of sale and are presented separately, net of tax, from the results of continuing operations of NW Holdings for all periods presented. See Note 18 for more information on the Agreement and the results of our discontinued operations.

## FINANCIAL CONDITION

## **Capital Structure**

NW Holdings' long-term goal is to maintain a strong and balanced consolidated capital structure. NW Natural targets a regulatory capital structure of 50% common equity and 50% long-term debt, which is consistent with approved regulatory allocations in Oregon, which has an allocation of 50% common equity and 50% long-term debt without recognition of short-term debt, and Washington, which has an allocation of 50% long-term debt, 1% short-term debt, and 49% common equity.

When additional capital is required, debt or equity securities are issued depending on both the target capital structure and market conditions. These sources of capital are also used to fund long-term debt retirements and short-term commercial paper maturities. See "*Liquidity and Capital Resources*" below and Note 9. Achieving our target capital structure and maintaining sufficient liquidity to meet operating requirements is necessary to maintain attractive credit ratings and provide access to the capital markets at reasonable costs.

NW Holdings' consolidated capital structure, excluding short-term debt, was as follows:

	Decen	nber 31,
	2022	2021
Common equity	46.8 %	47.2 %
Long-term debt (including current maturities)	53.2	52.8
Total	100.0 %	100.0 %

NW Natural's consolidated capital structure, excluding short-term debt, was as follows:

	Deceml	oer 31,
	2022	2021
Common equity	51.4 %	49.8 %
Long-term debt (including current maturities)	48.6	50.2
Total	100.0 %	100.0 %

As of December 31, 2022 and 2021, NW Holdings' consolidated capital structure included common equity of 42.4% and 39.5%, long-term debt of 45.0% and 44.0%, and short-term debt including current maturities of long-term debt of 12.6% and 16.5%, respectively. As of December 31, 2022 and 2021, NW Natural's consolidated capital structure included common equity of 47.9% and 44.2%, long-term debt of 41.6% and 44.7%, and short-term debt including current maturities of long-term debt of 10.5% and 11.1%, respectively.

During 2022, NW Natural's capital structure changed primarily due to the issuance of long-term debt and capital contributions from NW Holdings. NW Holdings' capital structure changed primarily due to the issuance of long-term debt and common stock at NW Holdings. See further discussion below in "Cash Flows — *Financing Activities*".

### Liquidity and Capital Resources

At December 31, 2022 and December 31, 2021, NW Holdings had approximately \$29.3 million and \$18.6 million, and NW Natural had approximately \$13.0 million and \$12.3 million, of cash and cash equivalents, respectively. In order to maintain sufficient liquidity during periods when capital markets are volatile, NW Holdings and NW Natural may elect to maintain higher cash balances and add short-term borrowing capacity. NW Holdings and NW Natural may also pre-fund their respective capital expenditures when long-term fixed rate environments are attractive. NW Holdings and NW Natural expect to have ample liquidity in the form of cash on hand and from operations and available credit capacity under credit facilities to support funding needs.

#### Equity Issuance

On April 1, 2022, NW Holdings issued and sold 2,875,000 shares of its common stock pursuant to a registration statement on Form S-3 and related prospectus supplement. NW Holdings received net offering proceeds, after deducting the underwriter's discounts and commissions and estimated expenses payable by NW Holdings of approximately \$138.6 million.

#### ATM Equity Program

In August 2021, NW Holdings initiated an at-the-market (ATM) equity program by entering into an equity distribution agreement under which NW Holdings may issue and sell from time to time shares of common stock, no par value, having an aggregate gross sales price of up to \$200 million. NW Holdings is under no obligation to offer and sell common stock under the ATM equity program, which expires in August 2024. Any shares of common stock offered under the ATM equity program are registered on NW Holdings' universal shelf registration statement filed with the SEC. During the year ended December 31, 2022, NW Holdings issued and sold 1,381,728 shares of common stock pursuant to the ATM equity program resulting in cash proceeds of \$69.7 million, net of fees and commissions paid to agents of \$1.4 million. As of December 31, 2022, NW Holdings had \$111.1 million of equity available for issuance under the program.

#### NW Holdings

For NW Holdings, short-term liquidity is primarily provided by cash balances, dividends from its operating subsidiaries, in particular NW Natural, available cash from a multi-year credit facility, and short-term credit facilities. NW Holdings also has a universal shelf registration statement filed with the SEC for the issuance of debt and equity securities. NW Holdings long-term debt, if any, and equity issuances are primarily used to provide equity contributions to NW Holdings' operating subsidiaries for operating and capital expenditures and other corporate purposes. From 2023 through 2025, we estimate NW Holdings' and NW Natural's combined incremental capital needs to be in the range of \$450 million to \$550 million. NW Holdings intends to use raised capital to support NW Natural, NW Natural Water, and NW Natural Renewables operating and capital expenditure programs. NW Holdings' issuance of securities is not subject to regulation by state public utility commissions, but the dividends from NW Natural to NW Holdings are subject to regulatory ring-fencing provisions. NW Holdings guarantees the debt of its wholly-owned subsidiary, NWN Water. See "*Long-Term Debt*" below for more information regarding NWN Water debt.

As part of the ring-fencing conditions agreed upon with the OPUC and WUTC, NW Natural may not pay dividends or make distributions to NW Holdings if NW Natural's credit ratings and common equity ratio, defined as the ratio of equity to long-term debt, fall below specified levels. If NW Natural's long-term secured credit ratings are below A- for S&P and A3 for Moody's, dividends may be issued so long as NW Natural's common equity ratio is 45% or more. If NW Natural's long term secured credit ratings are below BBB for S&P and Baa2 for Moody's, dividends may be issued so long as NW Natural's common equity ratio is 45% or more. Dividends may not be issued if NW Natural's long-term secured credit ratings are BB+ or below for S&P or Ba1 or below for Moody's, or if NW Natural's common equity ratio is below 44%, where the ratio is measured using common equity and long-term debt excluding imputed debt or debt-like lease obligations. In each case, common equity ratios are determined based on a preceding or projected 13-month average. In addition, there are certain OPUC notice requirements for dividends in excess of 5% of NW Natural's retained earnings.

Additionally, if NW Natural's common equity (excluding goodwill and equity associated with non-regulated assets), on a preceding or projected 13-month average basis, is less than 46% of NW Natural's capital structure, NW Natural is required to notify the OPUC, and if the common equity ratio falls below 44%, file a plan with the OPUC to restore its equity ratio to 44%. This condition is designed to ensure NW Natural continues to be adequately capitalized under the holding company structure. Under the WUTC order, the average common equity ratio must not exceed 56%.

At December 31, 2022 and 2021, NW Natural satisfied the ring-fencing provisions described above.

Based on several factors, including current cash reserves, committed credit facilities, its ability to receive dividends from its operating subsidiaries, in particular NW Natural, and an expected ability to issue long-term debt and equity securities in the capital markets, NW Holdings believes its liquidity is sufficient to meet anticipated near-term cash requirements, including all contractual obligations, investing, and financing activities as discussed in "*Cash Flows*" below.

**NW HOLDINGS DIVIDENDS.** Quarterly dividends have been paid on common stock each year since NW Holdings' predecessor's stock was first issued to the public in 1951. Annual common stock dividend payments per share, adjusted for stock splits, have increased each year since 1956. The declarations and amount of future dividends to shareholders will depend upon earnings, cash flows, financial condition, NW Natural's ability to pay dividends to NW Holdings and other factors. The amount and timing of dividends payable on common stock is at the sole discretion of the NW Holdings Board of Directors.

## NW Natural

For the NGD business segment, short-term borrowing requirements typically peak during colder winter months when the NGD business borrows money to cover the lag between natural gas purchases and bill collections from customers. Short-term liquidity for the NGD business is primarily provided by cash balances, internal cash flow from operations, proceeds from the sale of commercial paper notes, as well as available cash from multi-year credit facilities, short-term credit facilities, company-owned life insurance policies, the sale of long-term debt, and equity contributions from NW Holdings. NW Natural's long-term debt and contributions from NW Holdings are primarily used to finance NGD capital expenditures, refinance maturing debt, and provide temporary funding for other general corporate purposes of the NGD business.

Based on its current debt ratings (see "*Credit Ratings*" below), NW Natural has been able to issue commercial paper and longterm debt at attractive rates. In the event NW Natural is not able to issue new long-term debt due to adverse market conditions or other reasons, NW Natural expects that near-term liquidity needs can be met using internal cash flows, issuing commercial paper, receiving equity contributions from NW Holdings, or drawing upon a committed credit facility. NW Natural also has a universal shelf registration statement filed with the SEC for the issuance of secured and unsecured debt securities.

In the event senior unsecured long-term debt ratings are downgraded, or outstanding derivative positions exceed a certain credit threshold, counterparties under derivative contracts could require NW Natural to post cash, a letter of credit, or other forms of collateral, which could expose NW Natural to additional cash requirements and may trigger increases in short-term borrowings while in a net loss position. NW Natural was not required to post collateral at December 31, 2022. See Note 15 below.

Other items that may have a significant impact on NW Natural's liquidity and capital resources include NW Natural's pension contribution requirements and environmental expenditures.

**PENSION CONTRIBUTIONS.** NW Natural does not expect to make contributions to its company-sponsored defined benefit plan, which is closed to new employees, over the next several years under applicable laws and regulations. See "Application of Critical Accounting Policies—*Pensions and Postretirement Benefits*" below and Note 10 for more information.

**ENVIRONMENTAL EXPENDITURES.** NW Natural expects to continue using cash resources to fund environmental liabilities for future environmental remediation or action. NW Natural has authorizations in Oregon and Washington to defer costs related to remediation of properties that are owned or were previously owned by NW Natural. In Oregon, a Site Remediation and Recovery Mechanism (SRRM) is currently in place to recover prudently incurred costs allocable to Oregon customers, subject to an earnings test. On October 21, 2019 the WUTC authorized an Environmental Cost Recovery Mechanism (ECRM) for recovery of prudently incurred costs allocable to Washington customers beginning November 1, 2019. See Note 17 and "Results of Operations—Regulatory Matters—*Environmental Cost Deferral and Recovery*" above.

Based on several factors, including current credit ratings, NW Natural's commercial paper program, current cash reserves, committed credit facilities, and an expected ability to issue long-term debt and receive equity contributions from NW Holdings, NW Natural believes its liquidity is sufficient to meet anticipated near-term cash requirements, including all contractual obligations, and investing and financing activities as discussed in "*Cash Flows*" below.

**NW NATURAL DIVIDENDS.** The declarations and amount of future dividends to NW Holdings will depend upon earnings, cash flows, financial condition, the satisfaction of OPUC and WUTC regulatory ring-fencing restrictions, and other factors. The amount and timing of dividends payable on common stock is subject to approval of the NW Natural Board of Directors.

### Gas and Pipeline Capacity Purchase Agreements

NW Natural has signed agreements providing for the reservation of firm pipeline capacity under which it is required to make fixed monthly payments for contracted capacity. The pricing component of the monthly payment is established, subject to change, by U.S. or Canadian regulatory bodies, or is established directly with private counterparties, as applicable. In addition, NW Natural has entered into long-term agreements to release firm pipeline capacity. NW Natural also enters into short-term and long-term gas purchase agreements. Refer to Note 16 for gas and pipeline capacity purchase commitments.

NW Natural Renewables is a newly formed, non-utility regulated subsidiary of NW Natural Holdings established to pursue nonregulated renewable natural gas activities. In September 2021, a subsidiary of NW Natural Renewables and a subsidiary of EDL, a global producer of sustainable distributed energy, executed agreements to develop two production facilities that are designed to convert landfill waste gases to renewable natural gas (RNG). Testing and commissioning of the production facilities is expected to occur in the spring of 2023. Upon completion of each facility, the subsidiary of NW Natural Renewables is committed to make cash payments totaling \$50.1 million to partially fund the infrastructure required to condition biogas and connect gas production to existing regional pipeline networks. Alongside these development agreements, a subsidiary of NW Natural Renewables and a subsidiary of EDL executed agreements designed to secure a 20-year supply of RNG for NW Natural Renewables. Following the completion of each facility, we estimate the amount of RNG purchases based on prices and quantities specified in the agreements are as follows: approximately \$6.6 million in 2023, \$10.5 million in 2024, \$21.0 million in 2025, \$21.0 million in 2026, \$27.3 million in 2027 and \$567.8 million thereafter.

### **Other Purchase Agreements**

Other purchase commitments primarily consist of remaining balances under existing purchase orders and gas storage agreements. At December 31, 2022, the amount due over the duration of the purchase agreements totaled \$41.1 million. Except for these certain purchase commitments, NW Holdings and NW Natural have no material off-balance sheet financing arrangements.

#### **Short-Term Debt**

The primary source of short-term liquidity for NW Holdings is cash balances, dividends from its operating subsidiaries, in particular NW Natural, available cash from a multi-year credit facility, and short-term credit facilities it may enter into from time to time.

The primary source of short-term liquidity for NW Natural is from the sale of commercial paper, available cash from a multi-year credit facility, and short-term credit facilities it may enter into from time to time. In addition to issuing commercial paper or entering into bank loans to meet working capital requirements, including seasonal requirements to finance gas purchases and accounts receivable, short-term debt may also be used to temporarily fund capital requirements. For NW Natural, commercial paper and bank loans are periodically refinanced through the sale of long-term debt or equity contributions from NW Holdings. Commercial paper, when outstanding, is sold through two commercial banks under an issuing and paying agency agreement and is supported by one or more unsecured revolving credit facilities. See "Credit Agreements" below.

At December 31, 2022 and 2021, NW Natural's short-term debt consisted of the following:

		Decembe	er 31, 2022	 December 31, 2021			
In millions		Balance Outstanding	Weighted Average Interest Rate ⁽¹⁾	Balance Outstanding	Weighted Average Interest Rate ⁽¹⁾		
NW Natural:							
Commercial paper	\$	170.2	4.6 %	\$ 245.5	0.3 %		
Other (NW Holdings):							
Credit agreement		88.0	5.3 %	144.0	1.1 %		
NW Holdings	\$	258.2	-	\$ 389.5	-		

⁽¹⁾ Weighted average interest rate on outstanding short-term debt

# Credit Agreements

### NW Holdings

NW Holdings has a \$200 million sustainability-linked credit agreement, with a feature that allows it to request increases in the total commitment amount, up to a maximum of \$300 million. The maturity date of the agreement is November 3, 2026, with available extensions of commitments for two additional one-year periods, subject to lender approval.

All lenders under the NW Holdings credit agreement are major financial institutions with committed balances and investment grade credit ratings as of December 31, 2022 as follows:

In millions		
Lender rating, by category	Loan Co	mmitment
AA/Aa	\$	200
Total	\$	200

Based on credit market conditions, it is possible one or more lending commitments could be unavailable to NW Holdings if the lender defaulted due to lack of funds or insolvency; however, NW Holdings does not believe this risk to be imminent due to the lenders' strong investment-grade credit ratings. There was \$88.0 million and \$144.0 million of outstanding balances under the NW Holdings agreement at December 31, 2022 and 2021, respectively.

The NW Holdings credit agreement permits the issuance of letters of credit in an aggregate amount of up to \$40 million. The principal amount of borrowings under the credit agreement is due and payable on the maturity date. The credit agreement requires NW Holdings to maintain a consolidated indebtedness to total capitalization ratio of 70% or less. Failure to comply with this covenant would entitle the lenders to terminate their lending commitments and accelerate the maturity of all amounts outstanding. NW Holdings was in compliance with this covenant at December 31, 2022 and 2021, with consolidated indebtedness to total capitalization ratios of 57.6% and 60.5%, respectively.

The NW Holdings credit agreement also requires NW Holdings to maintain debt ratings (which are defined by a formula using NW Natural's credit ratings in the event NW Holdings does not have a credit rating) with Standard & Poor's (S&P) and Moody's Investors Service, Inc. (Moody's) and notify the lenders of any change in its senior unsecured debt ratings or senior secured debt ratings, as applicable, by such rating agencies. A change in NW Holdings' debt ratings by S&P or Moody's is not an event of default, nor is the maintenance of a specific minimum level of debt rating a condition of drawing upon the credit agreement. Rather, interest rates on any loans outstanding under the credit agreements are tied to debt ratings and therefore, a change in the debt rating would increase or decrease the cost of any loans under the credit agreements when ratings are changed. NW Holdings does not currently maintain ratings with S&P or Moody's.

Interest charges on the NW Holdings credit agreement were indexed to the London Interbank Offered Rate (LIBOR) through January 31, 2023. The agreement was amended to replace LIBOR with the secured overnight financing rate (SOFR) beginning February 2023. The SOFR is subject to a 10 basis point spread adjustment. The NW Holdings credit agreement also includes a mechanism that can increase or decrease the undrawn interest rate by up to 1 basis point and undrawn interest rate by up to 5 basis points in accordance with NW Holdings' independently verified achievement of quantifiable metrics related to two goals— one related to carbon savings and one related to in-line inspections of NW Natural's transmission pipeline. Performance against these metrics is designed to be assessed annually with pricing adjustments, if any, resetting off of primary pricing annually and not cumulatively.

NW Holdings had no letters of credit issued and outstanding at December 31, 2022 and 2021.

## NW Natural

NW Natural has a sustainability-linked multi-year credit agreement for unsecured revolving loans totaling \$400 million, with a feature that allows NW Natural to request increases in the total commitment amount, up to a maximum of \$600 million. The maturity date of the agreement is November 3, 2026 with an available extension of commitments for two additional one-year periods, subject to lender approval.

All lenders under the NW Natural credit agreement are major financial institutions with committed balances and investment grade credit ratings as of December 31, 2022 as follows:

In millions		
Lender rating, by category	Loan Commitr	nent
AA/Aa	\$	400
Total	\$	400

Based on credit market conditions, it is possible one or more lending commitments could be unavailable to NW Natural if the lender defaulted due to lack of funds or insolvency; however, NW Natural does not believe this risk to be imminent due to the lenders' strong investment-grade credit ratings.

The NW Natural credit agreement permits the issuance of letters of credit in an aggregate amount of up to \$60 million. The principal amount of borrowings under the credit agreement is due and payable on the maturity date. There were no outstanding balances under this credit agreement at December 31, 2022 or 2021. The credit agreement requires NW Natural to maintain a consolidated indebtedness to total capitalization ratio of 70% or less. Failure to comply with this covenant would entitle the lenders to terminate their lending commitments and accelerate the maturity of all amounts outstanding. NW Natural was in compliance with this covenant at December 31, 2022 and 2021, with consolidated indebtedness to total capitalization ratios of 52.1% and 55.8%, respectively.

The NW Natural credit agreement also requires NW Natural to maintain credit ratings with S&P and Moody's and notify the lenders of any change in NW Natural's senior unsecured debt ratings or senior secured debt ratings, as applicable, by such rating agencies. A change in NW Natural's debt ratings by S&P or Moody's is not an event of default, nor is the maintenance of a specific minimum level of debt rating a condition of drawing upon the credit agreement. Rather, interest rates on any loans outstanding under the credit agreement are tied to debt ratings and therefore, a change in the debt rating would increase or decrease the cost of any loans under the credit agreement when ratings are changed. See "*Credit Ratings*" below.

Interest charges on the NW Natural credit agreement were indexed to the LIBOR through January 31, 2023. The agreement was amended to replace LIBOR with the SOFR beginning February 2023. The SOFR is subject to a 10 basis point spread adjustment. The NW Natural credit agreement also includes a mechanism that can increase or decrease the undrawn interest rate by up to 1 basis point and undrawn interest rate by up to 5 basis points in accordance with NW Natural's independently verified achievement of quantifiable metrics related to two goals—one related to carbon savings and one related to in-line inspections of NW Natural's transmission pipeline. Performance against these metrics is designed to be assessed annually with pricing adjustments, if any, resetting off of primary pricing annually and not cumulatively.

In February 2023, NW Natural issued a \$14 million letter of credit through its existing credit agreement. There were no other letters of credit outstanding under the credit agreement.

### **Credit Ratings**

NW Holdings does not currently maintain ratings with S&P or Moody's. NW Natural's credit ratings are a factor of liquidity, potentially affecting access to the capital markets including the commercial paper market. NW Natural's credit ratings also have an impact on the cost of funds and the need to post collateral under derivative contracts.

The following table summarizes NW Natural's current credit ratings:

	S&P	Moody's
Commercial paper (short-term debt)	A-1	P-2
Senior secured (long-term debt)	AA-	A2
Senior unsecured (long-term debt)	n/a	Baa1
Corporate credit rating	A+	n/a
Ratings outlook	Stable	Stable

The above credit ratings and ratings outlook are dependent upon a number of factors, both qualitative and quantitative, and are subject to change at any time. The disclosure of or reference to these credit ratings is not a recommendation to buy, sell or hold NW Holdings or NW Natural securities. Each rating should be evaluated independently of any other rating.

As part of the ring-fencing conditions agreed upon with the OPUC and WUTC, NW Holdings and NW Natural are required to maintain separate credit ratings, long-term debt ratings, and preferred stock ratings, if any.

#### Long-Term Debt

### Issuance of Long-Term Debt

In December 2022, NW Natural entered into a Bond Purchase Agreement between NW Natural and the institutional investors named as purchasers therein. The Bond Purchase Agreement provides for the issuance of (i) \$100.0 million aggregate principal amount of NW Natural's First Mortgage Bonds (FMBs), 5.43% Series due 2053 (5.43% Bonds), (ii) \$80.0 million aggregate principal amount of NW Natural's FMBs, 5.18% Series due 2034 (5.18% Bonds) and (iii) \$50.0 million aggregate principal amount of NW Natural's FMBs, 5.23% Series due 2038 (5.23% Bonds) in reliance on an exemption from registration under Section 4(a)(2) of the Securities Act of 1933, as amended. The 5.43% Bonds were issued on January 6, 2023, pursuant to the Twenty-fifth Supplemental Indenture to NW Natural's Mortgage and Deed of Trust, dated as of July 1, 1946, with Deutsche Bank Trust Company Americas as trustee (the Mortgage). The 5.18% Bonds and the 5.23% Bonds are expected to be issued on or about August 4, 2023, pursuant to the Twenty-sixth Supplemental Indenture to the Mortgage.

The 5.43% Bonds will bear interest at the rate of 5.43% per annum, payable semi-annually on January 6 and July 6 of each year, commencing July 6, 2023, and will mature on January 6, 2053. The 5.43% Bonds will be subject to redemption prior to maturity at the option of NW Natural, in whole or in part, (i) at any time prior to July 6, 2052, at a redemption price equal to 100% of the principal amount thereof plus a "make-whole" premium and accrued and unpaid interest thereon to the date of redemption, and

(ii) at any time on and after July 6, 2052, at 100% of the principal amount thereof plus accrued and unpaid interest thereon to the date of redemption.

The 5.18% Bonds will bear interest at the rate of 5.18% per annum, payable semi-annually on February 4 and August 4 of each year, commencing February 4, 2024, and will mature on August 4, 2034. The 5.18% Bonds will be subject to redemption prior to maturity at the option of NW Natural, in whole or in part, (i) at any time prior to May 4, 2034, at a redemption price equal to 100% of the principal amount thereof plus a "make-whole" premium and accrued and unpaid interest thereon to the date of redemption, and (ii) at any time on and after May 4, 2034, at 100% of the principal amount thereof plus accrued and unpaid interest thereon to the date of redemption.

The 5.23% Bonds will bear interest at the rate of 5.23% per annum, payable semi-annually on February 4 and August 4 of each year, commencing February 4, 2024, and will mature on August 4, 2038. The 5.23% Bonds will be subject to redemption prior to maturity at the option of NW Natural, in whole or in part, (i) at any time prior to May 4, 2038, at a redemption price equal to 100% of the principal amount thereof plus a "make-whole" premium and accrued and unpaid interest thereon to the date of redemption, and (ii) at any time on and after May 4, 2038, at 100% of the principal amount thereof plus accrued and unpaid interest thereon to the date of redemption.

In September 2022, NW Holdings entered into an 18-month credit agreement for \$100.0 million and borrowed the full amount. The loan carries a variable interest rate based on the SOFR, resulting in a rate of 4.2% at December 31, 2022. The loan is due and payable on March 15, 2024. The credit agreement prohibits NW Holdings from permitting consolidated indebtedness to be greater than 70% of total capitalization, each as defined therein and calculated as of the end of each fiscal quarter. Failure to comply with this financial covenant would entitle the lenders to accelerate the maturity of the amounts outstanding under the credit agreement. NW Holdings was in compliance with this financial covenant as of December 31, 2022. In December 2022, NW Holdings entered into a swap to fix the interest rate on this debt beginning in January 2023 through the loan's maturity. See "Interest Rate Swap Agreements" below for more detail.

In September 2022, NWN Water entered into an 18-month credit agreement for \$50.0 million and borrowed the full amount. The loan carries a variable interest rate based on the SOFR, resulting in a rate of 4.2% at December 31, 2022. The loan is due and payable on March 15, 2024. The credit agreement prohibits NWN Water and NW Holdings from permitting consolidated indebtedness to be greater than 70% of total capitalization, each as defined therein and calculated as of the end of each fiscal quarter. Failure to comply with this financial covenant would entitle the lenders to accelerate the maturity of the amounts outstanding under the credit agreement. NWN Water and NW Holdings were in compliance with this financial covenant as of December 31, 2022.

In July 2022, NW Natural entered into a Bond Purchase Agreement between NW Natural and the institutional investors named as purchasers therein for the issuance of \$140.0 million aggregate principal amount of NW Natural's FMBs due in 2052 (the Bonds). The Bonds were issued on September 30, 2022. The Bonds bear interest at the rate of 4.78% per annum, payable semiannually on March 30 and September 30 of each year, commencing March 30, 2023, and will mature on September 30, 2052. The Bonds are subject to redemption prior to maturity at the option of NW Natural, in whole or in part, (i) at any time prior to March 30, 2052, at a redemption price equal to 100% of the principal amount thereof plus a "make-whole" premium and accrued and unpaid interest thereon to the date of redemption, and (ii) at any time on and after March 30, 2052, at 100% of the principal amount thereof plus accrued and unpaid interest thereon to the date of redemption.

In November 2021, NW Natural issued \$130.0 million of FMBs with an interest rate of 3.08% due in 2051. Issued as a sustainability bond, net proceeds from the sale of the FMBs were added to the general funds of NW Natural and used for general corporate purposes, while an amount equivalent to the net proceeds from the sale of the bonds was allocated to finance and/or refinance, in whole or in part, investments in one or more projects of NW Natural deemed to be an eligible project in the bond offering. An amount equivalent to the proceeds were allocated to expenditures related to RNG infrastructure, energy efficiency programs, expenditures related to the operations of our LEED Gold certified headquarters building, and expenditures and program investments related to enabling opportunities for diverse and small business enterprises.

In June 2021, NWN Water, a wholly-owned subsidiary of NW Holdings, entered into a five-year term loan agreement for \$55.0 million. The loan carried an interest rate of 2.5% at December 31, 2022, which is based upon the one-month SOFR rate. The loan is guaranteed by NW Holdings and requires NW Holdings to maintain a consolidated indebtedness to total capitalization ratio of 70% or less. Failure to comply with this covenant would entitle the lenders to terminate their lending commitments and accelerate the maturity of all amounts outstanding. NW Holdings was in compliance with this covenant at December 31, 2022, with a consolidated indebtedness to total capitalization ratio of 57.6%. In December 2022, NW Holdings entered into a swap to fix the interest rate on this debt beginning in January 2023 through the loan's maturity. See "Interest Rate Swap Agreements" below for more detail.

### Interest Rate Swap Agreements

NW Holdings and NWN Water entered into interest rate swap agreements with major financial institutions that effectively convert variable-rate debt to a fixed rate. Interest payments made between the effective date and expiration date are hedged by the swap agreements. The notional amount, effective date, expiration date and rate of the swap agreements are shown in the table below:

In millions	Notio	nal Amount	Effective Date	Expiration Date	Fixed Rate
NW Holdings	\$	100.0	1/17/2023	3/15/2024	4.7 %
NWN Water	\$	55.0	1/19/2023	6/10/2026	3.8 %

### Retirement of Long-Term Debt

The following NW Natural debentures were retired in the periods indicated:

	Year Ended December 31,			
In millions	20	)22	2021	2020
NW Natural First Mortgage Bonds:				
Series 5.37% due 2020		_	_	75
Series 9.05% due 2021		_	10	
Series 3.18% due 2021			50	
Total	\$		\$ 60	\$ 75

In June 2019, NW Natural Water, a wholly-owned subsidiary of NW Holdings, entered into a two-year term loan agreement for \$35.0 million. The loan was repaid in June 2021 upon its maturity date.

#### Maturities and Interest on Long-Term Debt

Maturities and payment of interest on long-term debt for each of the annual periods through December 31, 2027 and thereafter are as follows:

In millions	Long-term debt maturities		Interest on long- term debt	
NW Natural:				
2023	\$	90.0	\$	53.9
2024				50.7
2025		30.0		50.2
2026		55.0		48.2
2027		64.7		44.8
Thereafter		895.0		783.0
NW Natural Total	\$	1,134.7	\$	1,030.8
Other NW Holdings:				
2023	\$	0.8	\$	12.8
2024		150.7		4.2
2025		0.7		2.7
2026		55.7		1.3
2027		0.7		0.1
Thereafter		2.6		0.3
Other NW Holdings Total	\$	211.2	\$	21.4
NW Holdings:				
2023	\$	90.8	\$	66.7
2024		150.7		54.9
2025		30.7		52.9
2026		110.7		49.5
2027		65.4		44.9
Thereafter		897.6		783.3
NW Holdings Total	\$	1,345.9	\$	1,052.2

# **Bankruptcy Ring-fencing Restrictions**

As part of the ring-fencing conditions agreed upon with the OPUC and WUTC, NW Natural is required to have one director who is independent from NW Natural management and from NW Holdings and to issue one share of NW Natural preferred stock to an independent third party. NW Natural was in compliance with both of these ring-fencing provisions as of December 31, 2022 and 2021. NW Natural may file a voluntary petition for bankruptcy only if approved unanimously by the Board of Directors of NW Natural, including the independent director, and by the holder of the preferred share.

# Cash Flows

## **Operating Activities**

Changes in our operating cash flows are primarily affected by net income or loss, changes in working capital requirements, and other cash and non-cash adjustments to operating results.

In millions	2022	2021	2020
NW Natural cash provided by operating activities	\$ 145.2	\$ 141.5	\$ 148.5
NW Holdings cash provided by operating activities	\$ 147.7	\$ 160.4	\$ 145.3

**2022 COMPARED TO 2021.** The significant factors contributing to the \$3.7 million increase at NW Natural cash flow provided by operating activities were as follows:

- \$52.9 million increase in net deferred gas costs as the actual cost of gas during the year ended December 31, 2022 was higher than the rate embedded in the PGA. In addition, for the year ended December 31, 2021, actual gas costs were 21% above the PGA rate due to the 2021 cold weather event; and
- \$12.6 million increase in accounts payable primarily due to a larger volume of gas purchased and the higher cost of gas; partially offset by
- \$32.0 million increase in asset optimization revenue sharing bill credits to customers due to the 2021 cold weather event; and
- \$32.1 million increase in accounts receivable and accrued unbilled revenue resulting from higher balances due to colder weather.

The \$12.7 million decrease in NW Holdings cash flow provided by operating activities were driven by the above factors affecting NW Natural, in addition to lower prepaid income taxes in 2022 compared to 2021.

**2021 COMPARED TO 2020.** The significant factors contributing to the \$7.0 million decrease at NW Natural cash flow provided by operating activities were as follows:

- \$58.1 million increase in net deferred gas costs as the actual costs during the 2020-21 winter season were 21% above the PGA estimates primarily due to the 2021 cold weather event as opposed to gas costs in the 2019-20 winter season that were in line with estimates embedded in the PGA,
- \$26.5 million decrease due to increased receivables; partially offset by
- \$51.7 million increase in the regulatory incentive sharing mechanism related to revenues earned from Mist gas storage and asset management activities primarily related to the 2021 cold weather event, and
- \$19.4 million of lower contributions to the defined benefit pension plan.

The \$15.1 million increase in NW Holdings cash flow provided by operating activities were driven by the above factors affecting NW Natural, in addition to:

- \$14.0 million increase due to lower income and other taxes, and
- \$9.7 million increase due to lower deferred environmental expenses.

During the year ended December 31, 2022, NW Natural did not make any cash contributions to its qualified defined benefit pension plan, compared to \$9.6 million in 2021 and \$29.0 million in 2020. The American Rescue Plan, which was signed into law on March 11, 2021, includes a provision for pension relief that extends the amortization period for required contributions from 7 to 15 years and provides for the stabilization of interest rates used to calculate future required contributions. As a result, NW Natural does not expect to make any plan contributions during 2023. The amount and timing of future contributions will depend on market interest rates and investment returns on the plans' assets. See Note 10.

NW Holdings and NW Natural have lease and purchase commitments relating to our operating activities that are financed with cash flows from operations. For information on cash flow requirements related to leases and other purchase commitments, see Note 7 and Note 16.

## **Investing Activities**

In millions	2022	2021	2020
NW Natural cash used in investing activities	\$ (320.3) \$	(275.7) \$	(264.1)
NW Holdings cash used in investing activities	\$ (435.5) \$	(300.1) \$	(294.3)

**2022 COMPARED TO 2021.** Cash used in investing activities increased \$44.6 million at NW Natural and \$135.4 million at NW Holdings, respectively. The increase at NW Natural is primary driven by an increase in capital expenditures of \$40.4 million. The increase at NW Holdings is driven by the increase at NW Natural and \$94.3 million in cash paid for water and wastewater acquisitions.

**2021 COMPARED TO 2020.** Cash used in investing activities increased \$11.6 million at NW Natural and \$5.8 million at NW Holdings, respectively. The increase at NW Natural is primary driven by an increase in capital expenditures of \$12.2 million for customer growth, system reinforcement, and technology. The increase at NW Holdings is driven by the \$14.5 million purchase of an equity method investment and \$12.5 million of proceeds from the sale of discontinued operations in 2020, partially offset by a \$37.0 million decrease in cash paid for acquisitions.

NW Natural capital expenditures for 2023 are expected to be in the range of \$310 million to \$350 million and for the five-year period from 2023 to 2027 are expected to range from \$1.3 billion to \$1.5 billion. NW Natural Water is expected to invest approximately \$25 million in 2023 related to maintenance capital expenditures for water and wastewater utilities owned as of December 31, 2022, and for the five-year period from 2023 to 2027 capital expenditures are expected to invest approximately \$90 million to \$110 million.

The timing and amount of the core capital expenditures and projects for 2023 and the next five years could change based on regulation, growth, and cost estimates. Additional investments in our infrastructure during and after 2023 that are not incorporated in the estimates provided above will depend largely on additional regulations, growth, and expansion opportunities. Required funds for the investments are expected to be internally generated or financed with long-term debt or equity, as appropriate.

## **Financing Activities**

In millions	2022	2021	2020
NW Natural cash provided by financing activities	\$ 178.9	\$ 139.3	\$ 122.4
NW Holdings cash provided by financing activities	\$ 301.6	\$ 131.4	\$ 171.8

**2022 COMPARED TO 2021.** Cash provided by financing activities increased \$39.6 million at NW Natural primarily driven by \$63.4 million in capital contributions by NW Holdings, partially offset by changes in debt.

Cash provided by financing activities increased \$170.2 million at NW Holdings primarily due to cash proceeds of \$191.1 million from the issuance of common stock and the ATM equity program, partially offset by changes in debt.

**2021 COMPARED TO 2020.** Cash provided by financing activities increased \$16.9 million at NW Natural primarily driven by higher short-term debt borrowings of \$297.6 million and \$116.0 million in capital contributions by NW Holdings, partially offset by \$390.1 million of lower proceeds from and repayments of commercial paper with maturities greater than 90 days.

Cash provided by financing activities decreased \$40.4 million at NW Holdings primarily due to \$390.1 million of lower proceeds from and repayments of commercial paper with maturities greater than 90 days, partially offset by higher other short-term debt borrowings of \$319.6 million and cash proceeds of \$17.5 million from the ATM equity program.

## Pension Cost and Funding Status of Qualified Retirement Plans

NW Natural's pension costs are determined in accordance with accounting standards for compensation and retirement benefits. See "Application of Critical Accounting Policies and Estimates – *Pensions and Postretirement Benefits*" below. Pension expense for NW Natural's qualified defined benefit plan, which is allocated between operations and maintenance expenses and capital expenditures totaled \$5.4 million in 2022, a decrease of \$11.2 million from 2021. The fair market value of pension assets in this plan decreased to \$280.3 million at December 31, 2022 from \$399.2 million at December 31, 2021. The decrease was due to a loss on plan assets of \$93.7 million and benefit payments of \$25.2 million.

Contributions made to NW Natural's company-sponsored qualified defined benefit pension plan are based on actuarial assumptions and estimates, tax regulations, and funding requirements under federal law. The qualified defined benefit pension plan was underfunded by \$101.3 million at December 31, 2022. The American Rescue Plan, which was signed into law on March 11, 2021, includes a provision for pension relief that extends the amortization period for required contributions from 7 to 15 years and provides for the stabilization of interest rates used to calculate future required contributions. As a result, NW Natural does not expect to make any plan contributions during 2023. The amount and timing of future contributions will depend on market interest rates and investment returns on the plan's assets. See Note 10 for information regarding employer contributions and estimated future benefit payments and other pension disclosures.

## **Contingent Liabilities**

Loss contingencies are recorded as liabilities when it is probable that a liability has been incurred and the amount of the loss is reasonably estimable in accordance with accounting standards for contingencies. See "Application of Critical Accounting Policies and Estimates—*Environmental Contingencies*" below. At December 31, 2022, NW Natural's total estimated liability related to environmental sites was \$118.8 million. See Note 17 and "Results of Operations—Regulatory Matters—Rate Mechanisms—*Environmental Cost Deferral and Recovery*" above.

NW Holdings is not currently party to any direct claims or litigation, though in the future it may be subject to claims and litigation arising in the ordinary course of business.

## **New Accounting Pronouncements**

For a description of recent accounting pronouncements that may have an impact on our financial condition, results of operations, or cash flows, see Note 2.

# APPLICATION OF CRITICAL ACCOUNTING POLICIES AND ESTIMATES

In preparing financial statements in accordance with U.S. GAAP, management exercises judgment to assess the potential outcomes and related accounting impacts in the selection and application of accounting principles, including making estimates and assumptions that affect reported amounts of assets, liabilities, revenues, expenses, and related disclosures in the financial statements. Management considers critical accounting policies to be those which are most important to the representation of financial condition and results of operations and which require management's most difficult and subjective or complex judgments, including accounting estimates that could result in materially different amounts if reported under different conditions or used different assumptions. Our most critical estimates and judgments for both NW Holdings and NW Natural include accounting for:

- regulatory accounting;
- revenue recognition;
- derivative instruments and hedging activities;
- pensions and postretirement benefits;
- income taxes;
- environmental contingencies; and
- impairment of long-lived assets and goodwill.

Management has discussed its current estimates and judgments used in the application of critical accounting policies with the Audit Committees of the Boards of NW Holdings and NW Natural. Within the context of critical accounting policies and estimates, management is not aware of any reasonably likely events or circumstances that would result in materially different amounts being reported.

## **Regulatory Accounting**

The NGD segment is regulated by the OPUC and WUTC, which establish the rates designed to recover specific costs of providing regulatory services, and, to a certain extent, set forth special accounting treatment for certain regulatory transactions for which NW Natural records regulatory assets and liabilities. In general, the same accounting principles as non-regulated companies reporting under U.S. GAAP are used. However, authoritative guidance for regulated operations (regulatory accounting) requires different accounting treatment for regulated companies to show the effects of such regulation. For example, NW Natural accounts for the cost of gas using a PGA deferral and cost recovery mechanism, which is submitted for approval annually to the OPUC and WUTC. See "Results of Operations—Regulatory Matters—Rate Mechanisms—*Purchased Gas Adjustment*" above. There are other expenses and revenues that the OPUC or WUTC may require NW Natural to defer for recovery or refund in future periods. Regulatory accounting requires NW Natural to account for these types of deferred expenses (or deferred revenues) as regulatory assets (or regulatory liabilities) on the balance sheet. When the recovery of these regulatory assets from, or refund of regulatory liabilities to, customers is approved, NW Natural recognizes the expense or revenue on the income statement at the same time the adjustment to amounts is included in rates charged to customers.

The conditions that must be satisfied to adopt the accounting policies and practices of regulatory accounting include:

- an independent regulator sets rates;
- the regulator sets the rates to cover specific costs of delivering service; and
- the service territory lacks competitive pressures to reduce rates below the rates set by the regulator.

Because NW Natural's NGD operations satisfy all three conditions, NW Natural continues to apply regulatory accounting to NGD operations. Future accounting changes, regulatory changes, or changes in the competitive environment could require NW Natural to discontinue the application of regulatory accounting for some or all of our regulated businesses. This would require the write-off of those regulatory assets and liabilities that would no longer be probable of recovery from or refund to customers.

Based on current accounting and regulatory competitive conditions, NW Natural believes it is reasonable to expect continued application of regulatory accounting for NGD activities. Further, it is reasonable to expect the recovery or refund of NW Natural's regulatory assets and liabilities at December 31, 2022 through future customer rates. If it is determined that all or a portion of

these regulatory assets or liabilities no longer meet the criteria for continued application of regulatory accounting, then NW Natural would be required to write-off the net unrecoverable balances against earnings in the period such determination is made. The net balance in regulatory asset and liability accounts was a net liability of \$479.3 million and a net liability of \$382.7 million as of December 31, 2022 and 2021, respectively. See Note 2 for more detail on regulatory balances.

## **Revenue Recognition**

Revenues, which are derived primarily from the sale, transportation, and storage of natural gas, are recognized upon the delivery of gas commodity or services rendered to customers.

## Accrued Unbilled Revenue

For a description of the policy regarding accrued unbilled revenue, most of which relates to the NGD business at NW Natural, see Note 2. The following table presents changes in key metrics if the estimated percentage of unbilled volume at December 31 was adjusted up or down by 1%:

	2022			
In millions	U	p 1%		Down 1%
Unbilled revenue increase (decrease) ⁽¹⁾	\$	1.6	\$	(1.6)
Margin increase (decrease) ⁽¹⁾		0.2		(0.2)
Net income before tax increase (decrease) ⁽¹⁾		0.2		(0.2)

(1) Includes impact of regulatory mechanisms including decoupling mechanism and excludes the impact of unbilled revenue from water services.

## **Derivative Instruments and Hedging Activities**

NW Holdings and NW Natural have financial derivative policies that set forth guidelines for using financial derivative instruments to support prudent risk management strategies. These policies specifically prohibit the use of derivatives for trading or speculative purposes. Financial derivative contracts are utilized to hedge a portion of natural gas sale requirements. These contracts include swaps, options, and combinations of option contracts. NW Natural primarily uses these derivative financial instruments to manage commodity price variability. A small portion of NW Natural's derivative hedging strategy involves foreign currency exchange contracts.

Derivative instruments are recorded on the balance sheet at fair value. If certain regulatory conditions are met, then the derivative instrument fair value is recorded together with an offsetting entry to a regulatory asset or liability account pursuant to regulatory accounting, and no unrealized gain or loss is recognized in current income or loss. See "*Regulatory Accounting*" above for additional information. The gain or loss from the fair value of a derivative instrument subject to regulatory deferral is included in the recovery from, or refund to, NGD business customers in future periods. If a derivative contract is not subject to regulatory deferral, then the accounting treatment for unrealized gains and losses is recorded in accordance with accounting standards for derivatives and hedging which is either in current income or loss or in accumulated other comprehensive income or loss (AOCI or AOCL). Derivative contracts outstanding at December 31, 2022, 2021 and 2020 were measured at fair value using models or other market accepted valuation methodologies derived from observable market data. Estimates of fair value may change significantly from period-to-period depending on market conditions, notional amounts, and prices. These changes may have an impact on results of operations, but the impact would largely be mitigated due to the majority of derivative activities being subject to regulatory deferral treatment. For more information on derivative activity and associated regulatory treatment, see Note 2 and Note 15.

The following table summarizes the amount of gains realized from commodity price transactions for the last three years:

In millions	2022	2021	2020
NGD business net gain on commodity swaps	\$ 107.8 \$	50.9	\$ 2.3

Realized gains and losses from commodity hedges shown above were recorded in cost of gas and were, or will be, included in annual PGA rates.

NW Holdings and NWN Water also use financial derivatives to hedge interest rate risk in the form of pay-fixed interest rate swaps. Unrealized gains and losses related to these interest rate swap agreements are recorded in AOCI on the consolidated balance sheet.

## Pensions and Postretirement Benefits

NW Natural maintains a qualified non-contributory defined benefit pension plan, non-qualified supplemental pension plans for eligible executive officers and certain key employees, and other postretirement employee benefit plans covering certain nonunion employees. NW Natural also has a qualified defined contribution plan (Retirement K Savings Plan) for all eligible employees. Only the qualified defined benefit pension plan and Retirement K Savings Plan have plan assets, which are held in qualified trusts to fund the respective retirement benefits. The qualified defined benefit retirement plan for union and non-union employees was closed to new participants several years ago. Non-union and union employees hired or re-hired after December 31, 2006 and 2009, respectively, and employees of certain NW Holdings subsidiaries are provided an enhanced Retirement K Savings Plan benefit. The postretirement Welfare Benefit Plan for non-union employees was also closed to new participants several years ago.

Net periodic pension and postretirement benefit costs (retirement benefit costs) and projected benefit obligations (benefit obligations) are determined using a number of key assumptions, including discount rates, rate of compensation increases, retirement ages, mortality rates and an expected long-term return on plan assets. See Note 10.

Accounting standards also require balance sheet recognition of unamortized actuarial gains and losses and prior service costs in AOCI or AOCL, net of tax. However, the retirement benefit costs related to qualified defined benefit pension and postretirement benefit plans are generally recovered in rates charged to NGD customers, which are set based on accounting standards for pensions and postretirement benefit expenses. As such, NW Natural received approval from the OPUC to recognize the unamortized actuarial gains and losses and prior service costs as a regulatory asset or regulatory liability based on expected rate recovery, rather than including it as AOCI or AOCL under common equity. See "*Regulatory Accounting*" above and Note 2, "*Industry Regulation.*"

A number of factors, as discussed above, are considered in developing pension and postretirement benefit assumptions. For the December 31, 2022 measurement date, NW Natural reviewed and updated:

- the weighted-average discount rate assumptions for pensions increased from 2.71% for 2021 to 5.18% for 2022, and the weighted-average discount rate assumptions for other postretirement benefits increased from 2.72% for 2021 to 5.19% for 2022. The new rate assumptions were determined for each plan based on a matching of benchmark interest rates to the estimated cash flows, which reflect the timing and amount of future benefit payments. Benchmark interest rates are drawn from the FTSE Above Median Curve, which consists of high quality bonds rated AA- or higher by S&P or Aa3 or higher by Moody's;
- the expected annual rate of future compensation is separately determined for bargaining unit and non-bargaining unit employees. The rate assumption ranges from 4.5% to 5.0% in 2023, 4.0% to 6.0% in 2024 and 4.0% thereafter.
- the expected long-term return on qualified defined benefit plan assets increased to 7.50% in 2022 from 7.00% in 2021; and
- other key assumptions, which were based on actual plan experience and actuarial recommendations.

At December 31, 2022, the net pension liability (benefit obligations less market value of plan assets) for the defined benefit pension plan decreased \$3.3 million compared to 2021. The decrease in the net pension liability is primarily due to the \$118.9 million decrease in plan assets and the \$122.3 million decrease to the pension benefit obligation. The liability for non-qualified plans decreased \$6.9 million, and the liability for other postretirement benefits decreased \$7.3 million in 2022. The expected long-term rate of return on plan assets is determined by averaging the expected earnings for the target asset portfolio. In developing expected return, historical actual performance, and long-term return projections are analyzed, which gives consideration to the current asset mix and target asset allocation.

NW Natural believes its pension assumptions are appropriate based on plan design and an assessment of market conditions. The following shows the sensitivity of retirement benefit costs and benefit obligations to changes in certain actuarial assumptions:

Dollars in millions	Change in Assumption	Impact on 2022 Retirement Benefit Costs	Impact on Retirement Benefit Obligations at Dec. 31, 2022
Discount rate:	(0.25)%		
Qualified defined benefit plans		\$ 1.6	\$ 10.5
Non-qualified plans		—	0.1
Other postretirement benefits		0.1	0.5
Expected long-term return on plan assets:	(0.25)%		
Qualified defined benefit plans		0.9	N/A

# Income Taxes

## Valuation Allowances

Deferred tax assets are recognized to the extent that these assets are believed to be more likely than not to be realized. In making such a determination, available positive and negative evidence is considered, including future reversals of existing taxable temporary differences, projected future taxable income, tax-planning strategies, and results of recent operations. NW Holdings and NW Natural have determined that all recorded deferred tax assets are more likely than not to be realized as of December 31, 2022. See Note 11.

## Uncertain Tax Benefits

The calculation of tax liabilities involves dealing with uncertainties in the application of complex tax laws and regulations in the jurisdictions in which we operate. A tax benefit from a material uncertain tax position will only be recognized when it is more likely than not that the position, or some portion thereof, will be sustained upon examination, including resolution of any related appeals or litigation processes, on the basis of the technical merits. NW Holdings and NW Natural participate in the Compliance Assurance Process (CAP) with the Internal Revenue Service (IRS). Under the CAP program companies work with the IRS to identify and resolve material tax matters before the federal income tax return is filed each year. No reserves for uncertain tax benefits were recorded during 2022, 2021, or 2020. See Note 11.

## Tax Legislation

When significant proposed or enacted changes in income tax rules occur, we consider whether there may be a material impact to our financial position, results of operations, cash flows, or whether the changes could materially affect existing assumptions used in making estimates of tax related balances.

The final tangible property regulations applicable to all taxpayers were issued on September 13, 2013 and were generally effective for taxable years beginning on or after January 1, 2014. In addition, procedural guidance related to the regulations was issued under which taxpayers may make accounting method changes to comply with the regulations. We have evaluated the regulations and do not anticipate any material impact. However, unit-of-property guidance applicable to natural gas distribution networks has not yet been issued and is expected in the near future. We will further evaluate the effect of these regulations after this guidance is issued, but believe the current method is materially consistent with the new regulations and do not expect this additional guidance to have a material effect on our financial statements.

## Regulatory Matters

Regulatory tax assets and liabilities are recorded to the extent it is probable they will be recoverable from, or refunded to, customers in the future. At December 31, 2022 and 2021, NW Natural had net regulatory income tax assets of \$10.2 million and \$12.4 million, respectively, representing future rate recovery of deferred tax liabilities resulting from differences in NGD plant financial statement and tax bases and NGD plant removal costs. These regulatory assets are currently being recovered through customer rates. At December 31, 2022 and 2021, regulatory income tax assets of \$2.9 million and \$2.4 million, respectively, were recorded by NW Natural, representing probable future rate recovery of deferred tax liabilities resulting from the equity portion of AFUDC. At December 31, 2021, regulatory income tax asset of \$0.4 million was recorded by NW Natural, representing future rate between January 1, 2020 and October 31, 2020. In October 2020, the OPUC issued an order providing for recovery of deferred Oregon CAT as well as CAT incurred prospectively beginning November 1, 2020. This asset was fully recovered as of December 31, 2022.

At December 31, 2022 and 2021, regulatory liability balances, representing the estimated net benefit to NGD customers resulting from the change in deferred taxes as a result of the TCJA, of \$181.4 million and \$189.6 million, respectively, were recorded by NW Natural. These balances include a gross up for income taxes of \$48.0 million and \$50.2 million, respectively.

The TCJA includes specific guidance for determining the shortest time period over which the portion of this regulatory liability resulting from accelerated cost recovery of NGD plant may accrue to the benefit of customers to avoid incurring federal normalization penalties. However, it is anticipated that until such time that customers receive the direct benefit of this regulatory liability, the balance, net of the additional gross up for income taxes, will continue to provide an indirect benefit to customers by reducing the NGD rate base which determines customer rates for service.

## **Environmental Contingencies**

Environmental liabilities are accounted for in accordance with accounting standards under the loss contingency guidance when it is probable that a liability has been incurred and the amount of the loss is reasonably estimable. Amounts recorded for environmental contingencies take numerous factors into consideration, including, among other variables, changes in enacted laws, regulatory orders, estimated remediation costs, interest rates, insurance proceeds, participation by other parties, timing of payments, and the input of legal counsel and third-party experts. Accordingly, changes in any of these variables or other factual circumstances could have a material impact on the amounts recorded for our environmental liabilities. For a complete discussion of environmental accounting policies refer to Note 2. For a discussion of current environmental sites and liabilities refer to Note 17. In addition, for information regarding the regulatory treatment of these costs and NW Natural's regulatory recovery mechanism, see "Results of Operations—Regulatory Matters—Rate Mechanisms—*Environmental Cost Deferral and Recovery*" above.

## Impairment of Long-Lived Assets and Goodwill

#### Long-Lived Assets

We review the carrying value of long-lived assets whenever events or changes in circumstances indicate the carrying amount of the assets might not be recoverable. Factors that would necessitate an impairment assessment of long-lived assets include a significant adverse change in the extent or manner in which the asset is used, a significant adverse change in legal factors or business climate that could affect the value of the asset, or a significant decline in the observable market value or expected future cash flows of the asset, among others.

When such factors are present, we assess the recoverability by determining whether the carrying value of the asset will be recovered through expected future cash flows. An asset is determined to be impaired when the carrying value of the asset exceeds the expected undiscounted future cash flows from the use and eventual disposition of the asset. If an impairment is indicated, we record an impairment loss for the difference between the carrying value and the fair value of the long-lived assets. Fair value is estimated using appropriate valuation methodologies, which may include an estimate of discounted cash flows.

#### Goodwill and Business Combinations

In a business combination, goodwill is initially measured as any excess of the acquisition-date fair value of the consideration transferred over the acquisition-date fair value of the net identifiable assets acquired.

The carrying value of goodwill is reviewed annually during the fourth quarter, or whenever events or changes in circumstance indicate that such carrying values may not be recoverable.

NW Holdings' policy for goodwill assessments begins with a qualitative analysis in which events and circumstances are evaluated, including macroeconomic conditions, industry and market conditions, regulatory environments, and the overall financial performance of the reporting unit. If the qualitative assessment indicates that the carrying value may be at risk of recoverability, a quantitative evaluation is performed to measure the carrying value against the fair value of the reporting unit. This evaluation may involve the assessment of future cash flows and other subjective factors for which uncertainty exists and could impact the estimation of future cash flows. These factors include, but are not limited to, the amount and timing of future cash flows, future growth rates, and the discount rate. Unforeseen events and changes in circumstances or market conditions could adversely affect these estimates, which could result in an impairment charge. A qualitative assessment was performed during the fourth quarter of 2022 which indicated a quantitative assessment was not required; thus, no goodwill impairment was recorded. See Note 2 and Note 14 for additional information.

Business combinations are accounted for using the acquisition method. The cost of an acquisition is measured as the aggregate of the consideration transferred, measured at fair value at the acquisition date, and the fair value of any non-controlling interest in the acquiree. Acquisition-related costs are expensed as incurred. When NW Natural acquires a business, it assesses the financial assets acquired and liabilities assumed for appropriate classification and designation in accordance with the contractual terms, economic circumstances and pertinent conditions as of the acquisition date. When there is substantial judgment or uncertainty around the fair value of acquired assets, we may engage a third party expert to assist in determining the fair values of certain assets or liabilities.

# ITEM 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

NW Holdings and NW Natural are exposed to various forms of market risk including commodity supply risk, commodity price risk, interest rate risk, foreign currency risk, credit risk and weather risk. The following describes NW Holdings' and NW Natural's exposure to these risks, as applicable.

## **Commodity Supply Risk**

NW Natural enters into spot, short-term, and long-term natural gas supply contracts, along with associated pipeline transportation contracts, to manage commodity supply risk. Historically, NW Natural has arranged for physical delivery of an adequate supply of gas, including gas in Mist storage and off-system storage facilities, to meet expected requirements of core NGD customers. NW Natural's long-term gas supply contracts are primarily index-based and subject to monthly re-pricing, a strategy that is intended to substantially mitigate credit exposure to physical gas counterparties. Absolute notional amounts under physical gas contracts related to open positions on derivative instruments were 463 million therms and 432 million therms as of December 31, 2022 and 2021, respectively.

## **Commodity Price Risk**

Natural gas commodity prices are subject to market fluctuations due to unpredictable factors including weather, pipeline transportation congestion, drilling technologies, market speculation, and other factors that affect supply and demand. Commodity price risk is hedged with financial swaps, storage and physical gas reserves from a long-term investment in working interests in gas leases operated by Jonah Energy. These hedges are generally included in NW Natural's annual PGA filing for recovery, subject to a regulatory prudence review. Notional amounts under financial derivative contracts were \$359.5 million and \$159.9 million as of December 31, 2022 and 2021, respectively. The fair value of financial swaps, based on market prices at December 31, 2022, was an unrealized gain of \$150.6 million, which would result in cash inflows of \$134.3 million in 2023, \$10.8 million in 2024, and \$5.5 million in 2025.

## **Interest Rate Risk**

NW Holdings and NW Natural are exposed to interest rate risk primarily associated with new debt financing needed to fund capital requirements, including future contractual obligations and maturities of long-term and short-term debt. Interest rate risk is primarily managed through the issuance of fixed-rate debt with varying maturities. NW Holdings and NW Natural may also enter into financial derivative instruments, including interest rate swaps, options and other hedging instruments, to manage and mitigate interest rate exposure. NW Holdings and NWN Water entered into interest rate swaps transactions for a total notional amount of \$155 million to manage variable interest rate risk in December 2022. NW Natural did not have any outstanding interest rate swaps as of December 31, 2022 or 2021.

## Foreign Currency Risk

The costs of certain pipeline and off-system storage services purchased from Canadian suppliers are subject to changes in the value of the Canadian currency in relation to the U.S. currency. Foreign currency forward contracts are used to hedge against fluctuations in exchange rates for NW Natural's commodity-related demand and reservation charges paid in Canadian dollars. Notional amounts under foreign currency forward contracts were \$7.6 million and \$6.3 million as of December 31, 2022 and 2021, respectively. If all of the foreign currency forward contracts had been settled on December 31, 2022, a loss of \$165 thousand would have been realized. See Note 15.

## Credit Risk

## Credit Exposure to Natural Gas Suppliers

Certain gas suppliers have either relatively low credit ratings or are not rated by major credit rating agencies. To manage this supply risk, NW Natural purchases gas from a number of different suppliers at liquid exchange points. NW Natural evaluates and monitors suppliers' creditworthiness and maintains the ability to require additional financial assurances, including deposits, letters of credit, or surety bonds, in case a supplier defaults. In the event of a supplier's failure to deliver contracted volumes of gas, the NGD business would need to replace those volumes at prevailing market prices, which may be higher or lower than the original transaction prices. NW Natural expects these costs would be subject to its PGA sharing mechanism discussed above. Since most of NW Natural's commodity supply contracts are priced at the daily or monthly market index price tied to liquid exchange points, and NW Natural has adequate storage flexibility, NW Natural believes it is unlikely a supplier default would have a material adverse effect on its financial condition or results of operations.

## Credit Exposure to Financial Derivative Counterparties

Based on estimated fair value at December 31, 2022, NW Natural's overall credit exposure relating to commodity contracts was \$150.6 million. We generally have credit exposure to financial commodity swap derivative counterparties when forward gas prices exceed our hedge prices, which was the case with all financial swap counterparties at December 31, 2022. NW Natural's credit exposure also includes interest rate swap and foreign exchange forward counterparties, neither of which were significant at December 31, 2022. NW Natural's financial derivatives policy requires counterparties to have at least an investment-grade credit rating at the time the derivative instrument is entered into and specific limits on the contract amount and duration based on each counterparty's credit rating. NW Natural actively monitors and manages derivative credit exposure and places counterparties on hold for trading purposes or requires cash collateral, letters of credit, or guarantees as circumstances warrant.

The following table summarizes NW Natural's overall financial swap and option credit exposure, based on estimated fair value, and the corresponding counterparty credit ratings. The table uses credit ratings from S&P and Moody's, reflecting the higher of the S&P or Moody's rating or a middle rating if the entity is split-rated with more than one rating level difference:

	Financi U	Financial Derivative Position by Credit Rating Unrealized Fair Value Gain (Loss)			
In millions	20	2022 2021			
AA/Aa	\$	77.9 \$	44.3		
A/A		72.7	6.9		
Total	\$	150.6 \$	51.2		

In most cases, NW Natural also mitigates the credit risk of financial derivatives by having master netting arrangements with counterparties which provide for making or receiving net cash settlements. Transactions of the same type in the same currency that have settlement on the same day with a single counterparty are netted and a single payment is delivered or received depending on which party is due funds.

Additionally, NW Natural has master contracts in place with each derivative counterparty, most of which include provisions for posting or calling for collateral. Generally, NW Natural can obtain cash or marketable securities as collateral with one day's notice. Various collateral management strategies are used to reduce liquidity risk. The collateral provisions vary by counterparty but are not expected to result in the significant posting of collateral, if any. NW Natural has performed stress tests on the portfolio and concluded the liquidity risk from collateral calls is not material. Derivative credit exposure is primarily with investment grade counterparties rated AA-/Aa3 or higher. Contracts are diversified across counterparties, business types and countries to reduce credit and liquidity risk.

At December 31, 2022, financial derivative commodity credit risk on a volumetric basis was geographically concentrated 28% in the United States and 71% in Canada, based on counterparties' location. At December 31, 2021, financial derivative commodity credit risk on a volumetric basis was geographically concentrated 37% in the United States and 63% in Canada with our counterparties.

### Credit Exposure to Insurance Companies

Credit exposure to insurance companies for loss or damage claims could be material. NW Holdings and NW Natural regularly monitor the financial condition of insurance companies who provide general liability insurance policy coverage to NW Holdings, NW Natural, their predecessors, and their subsidiaries.

## Weather Risk

NW Natural has a weather normalization mechanism in Oregon; however, it is exposed to weather risk primarily from NGD business operations. A large percentage of NGD margin is volume driven, and current rates are based on an assumption of average weather. NW Natural's weather normalization mechanism in Oregon is for residential and small commercial customers, which is intended to stabilize the recovery of NGD business fixed costs and reduce fluctuations in customers' bills due to colder or warmer than average weather. Customers in Oregon are allowed to opt out of the weather normalization mechanism. As of December 31, 2022, approximately 7% of Oregon customers had opted out. In addition to the Oregon customers opting out, Washington residential and commercial customers account for approximately 12% of our total customer base and are not covered by weather normalization. The combination of Oregon and Washington customers not covered by a weather normalization mechanism is 19% of all residential and commercial customers. See "Results of Operations—Regulatory Matters —Rate Mechanisms—*WARM*" above.

# ITEM 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA

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All other schedules are omitted because of the absence of the conditions under which they are required or because the required information is included elsewhere in the financial statements.

## NW HOLDINGS MANAGEMENT'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING

NW Holdings management is responsible for establishing and maintaining adequate internal control over financial reporting as defined in Rules 13a-15(f) or 15d-15(f) under the Securities Exchange Act of 1934, as amended. NW Holdings' internal control over financial reporting is designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles in the United States of America (U.S. GAAP). NW Holdings' internal control over financial reporting includes those policies and procedures that:

(i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions involving company assets;

(ii) provide reasonable assurance that transactions are recorded as necessary to permit the preparation of financial statements in accordance with U.S. GAAP, and that receipts and expenditures are being made only in accordance with authorizations of management and the NW Holdings Board of Directors; and

(iii) provide reasonable assurance regarding prevention or timely detection of the unauthorized acquisition, use, or disposition of NW Holdings' assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements or fraud. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

NW Holdings management assessed the effectiveness of NW Holdings' internal control over financial reporting as of December 31, 2022. In making this assessment, NW Holdings management used the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in *Internal Control-Integrated Framework (2013)*.

Based on NW Holdings management's assessment and those criteria, NW Holdings management has concluded that it maintained effective internal control over financial reporting as of December 31, 2022.

The effectiveness of internal control over financial reporting as of December 31, 2022 has been audited by PricewaterhouseCoopers LLP, an independent registered public accounting firm, as stated in their report which appears in this annual report.

<u>/s/ David H. Anderson</u> David H. Anderson President and Chief Executive Officer

<u>/s/ Frank H. Burkhartsmeyer</u> Frank H. Burkhartsmeyer Senior Vice President and Chief Financial Officer

February 24, 2023

# NW NATURAL MANAGEMENT'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING

NW Natural management is responsible for establishing and maintaining adequate internal control over financial reporting as defined in Rules 13a-15(f) or 15d-15(f) under the Securities Exchange Act of 1934, as amended. NW Natural's internal control over financial reporting is designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles in the United States of America (U.S. GAAP). NW Natural's internal control over financial reporting includes those policies and procedures that:

(i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions involving company assets;

(ii) provide reasonable assurance that transactions are recorded as necessary to permit the preparation of financial statements in accordance with U.S. GAAP, and that receipts and expenditures are being made only in accordance with authorizations of management and the NW Natural Board of Directors; and

(iii) provide reasonable assurance regarding prevention or timely detection of the unauthorized acquisition, use, or disposition of NW Natural's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements or fraud. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

NW Natural management assessed the effectiveness of NW Natural's internal control over financial reporting as of December 31, 2022. In making this assessment, NW Natural management used the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in *Internal Control-Integrated Framework (2013)*.

Based on NW Natural management's assessment and those criteria, NW Natural management has concluded that it maintained effective internal control over financial reporting as of December 31, 2022.

<u>/s/ David H. Anderson</u> David H. Anderson President and Chief Executive Officer

<u>/s/ Frank H. Burkhartsmeyer</u> Frank H. Burkhartsmeyer Senior Vice President and Chief Financial Officer

February 24, 2023

To the Board of Directors and Shareholders of Northwest Natural Holding Company

# Opinions on the Financial Statements and Internal Control over Financial Reporting

We have audited the accompanying consolidated balance sheets of Northwest Natural Holding Company and its subsidiaries (the "Company") as of December 31, 2022 and 2021, and the related consolidated statements of comprehensive income (loss), of shareholders' equity and of cash flows for each of the three years in the period ended December 31, 2022, including the related notes and financial statement schedules listed in the accompanying index (collectively referred to as the "consolidated financial statements"). We also have audited the Company's internal control over financial reporting as of December 31, 2022, based on criteria established in Internal Control - Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO).

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of the Company as of December 31, 2022 and 2021, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2022 in conformity with accounting principles generally accepted in the United States of America. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2022, based on criteria established in Internal Control - Integrated Framework (2013) issued by the COSO.

# **Basis for Opinions**

The Company's management is responsible for these consolidated financial statements, for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Management's Report on Internal Control Over Financial Reporting. Our responsibility is to express opinions on the Company's consolidated financial statements and on the Company's internal control over financial reporting based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud, and whether effective internal control over financial reporting was maintained in all material respects.

Our audits of the consolidated financial statements included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

# Definition and Limitations of Internal Control over Financial Reporting

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

# **Critical Audit Matters**

The critical audit matter communicated below is a matter arising from the current period audit of the consolidated financial statements that was communicated or required to be communicated to the audit committee and that (i) relates to accounts or disclosures that are material to the consolidated financial statements and (ii) involved our especially challenging, subjective, or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the accounts or disclosures to which it relates.

#### Accounting for the Effects of Regulatory Matters

As described in Note 2 to the consolidated financial statements, there were \$457.9 million of regulatory assets and \$938.2 million of regulatory liabilities as of December 31, 2022. As disclosed by management, the Company has operations that are subject to the actions of regulators which establish rates in general rate cases and other proceedings which are designed to recover specific costs of providing regulatory services for which management records regulatory assets and liabilities. Regulatory accounting requires management to account for deferred expenses (or deferred revenues) as regulatory assets (or regulatory liabilities) on the balance sheet. When the recovery of these regulatory assets from, or refund of regulatory liabilities to, customers is approved, management recognizes the expense or revenue on the income statement at the same time the adjustment to amounts is included in rates charged to customers.

The principal considerations for our determination that performing procedures relating to the Company's accounting for the effects of regulatory matters is a critical audit matter are the significant judgment by management in assessing the potential outcomes and related accounting impacts of rate cases and other proceedings. This in turn led to a high degree of auditor judgment, subjectivity, and effort in performing procedures and evaluating audit evidence obtained related to the recovery of regulatory assets and the settlement of regulatory liabilities.

Addressing the matter involved performing procedures and evaluating audit evidence in connection with forming our overall opinion on the consolidated financial statements. These procedures included testing the effectiveness of controls relating to management's assessment of rates cases and other proceedings, including the probability of recovery of regulatory assets and the settlement of regulatory liabilities and related accounting and disclosure impacts. These procedures also included, among others (i) evaluating the reasonableness of management's assessment regarding the probability of recovery of regulatory assets and settlement of regulatory liabilities, (ii) evaluating the sufficiency of the disclosures in the consolidated financial statements, and (iii) testing the regulatory assets and liabilities, including those subject to regulatory proceedings, also involved considering the provisions and formulas outlined in rate orders, other regulatory correspondence, and the application of relevant regulatory precedents.

/s/ PricewaterhouseCoopers LLP Portland, Oregon February 24, 2023

We have served as the Company's auditor since 1997.

To the Board of Directors and Shareholder of Northwest Natural Gas Company:

#### **Opinion on the Financial Statements**

We have audited the accompanying consolidated balance sheets of Northwest Natural Gas Company and its subsidiaries (the "Company") as of December 31, 2022 and 2021, and the related consolidated statements of comprehensive income (loss), of shareholder's equity and of cash flows for each of the three years in the period ended December 31, 2022, including the related notes and financial statement schedule listed in the accompanying index (collectively referred to as the "consolidated financial statements"). In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of the Company as of December 31, 2022 and 2021, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2022 and 2021, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2022 in conformity with accounting principles generally accepted in the United States of America.

# **Basis for Opinion**

These consolidated financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on the Company's consolidated financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these consolidated financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud. The Company is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. As part of our audits we are required to obtain an understanding of internal control over financial reporting but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control over financial reporting. Accordingly, we express no such opinion.

Our audits included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. We believe that our audits provide a reasonable basis for our opinion.

# **Critical Audit Matters**

The critical audit matter communicated below is a matter arising from the current period audit of the consolidated financial statements that was communicated or required to be communicated to the audit committee and that (i) relates to accounts or disclosures that are material to the consolidated financial statements and (ii) involved our especially challenging, subjective, or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the accounts or disclosures to which it relates.

#### Accounting for the Effects of Regulatory Matters

As described in Note 2 to the consolidated financial statements, there were \$457.9 million of regulatory assets and \$937.2 million of regulatory liabilities as of December 31, 2022. As disclosed by management, the Company has operations that are subject to the actions of regulators which establish rates in general rate cases and other proceedings which are designed to recover specific costs of providing regulatory services for which management records regulatory assets and liabilities. Regulatory accounting requires management to account for deferred expenses (or deferred revenues) as regulatory assets (or regulatory liabilities) on the balance sheet. When the recovery of these regulatory assets from, or refund of regulatory liabilities to, customers is approved, management recognizes the expense or revenue on the income statement at the same time the adjustment to amounts is included in rates charged to customers.

The principal considerations for our determination that performing procedures relating to the Company's accounting for the effects of regulatory matters is a critical audit matter are the significant judgment by management in assessing the potential outcomes and related accounting impacts of rate cases and other proceedings. This in turn led to a high degree of auditor judgment, subjectivity, and effort in performing procedures and evaluating audit evidence obtained related to the recovery of regulatory assets and the settlement of regulatory liabilities.

Addressing the matter involved performing procedures and evaluating audit evidence in connection with forming our overall opinion on the consolidated financial statements. These procedures included testing the effectiveness of controls relating to management's assessment of rates cases and other proceedings, including the probability of recovery of regulatory assets and the settlement of regulatory liabilities and related accounting and disclosure impacts. These procedures also included, among others (i) evaluating the reasonableness of management's assessment regarding the probability of recovery of regulatory assets

and settlement of regulatory liabilities, (ii) evaluating the sufficiency of the disclosures in the consolidated financial statements, and (iii) testing the regulatory assets and liabilities, including those subject to regulatory proceedings, also involved considering the provisions and formulas outlined in rate orders, other regulatory correspondence, and the application of relevant regulatory precedents.

/s/ PricewaterhouseCoopers LLP Portland, Oregon February 24, 2023

We have served as the Company's auditor since 1997.

# CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (LOSS)

Interest expense, net       53,247       44,486       43,052         Income before income taxes       115,433       106,072       91,355         Income tax expense       29,130       27,406       21,082         Net income from continuing operations       86,303       78,666       70,273         Income from discontinued operations, net of tax       —       —       6,508         Net income       86,303       78,666       76,781         Other comprehensive income (loss):		Ye	ar E	nde	ed Decemi	ber	31,
Operating expenses:       Cost of gas       429,635       292,314       262,755         Cost of gas       429,635       292,314       262,755         Operations and maintenance       12,389       9,938       9,691         Environmental remediation       12,389       9,938       9,691         General taxes       41,026       34,740       30,291         Depreciation       116,707       113,534       103,683         Other operating expenses       3,621       3,897       3,701         Total operating expenses       3,621       3,897       3,701         Income from operations       167,477       163,117       148,351         Income from operations       167,477       163,117       148,351         Income from operations expense       29,130       27,406       21,082         Net income from continuing operations, net of tax       -       -       -       6,508         Net income from discontinued operations, net of taxes of \$(1,511) for 2022, \$(219)       for 2021, and \$1,025 for 2020       795       905       679         Other comprehensive income (loss):       Change in employee benefit plan liability, net of taxes of \$(47) for 2022       795       905       679         Outro zind gin on interestart as waps, net of taxes of	In thousands, except per share data	2022			2021		2020
Cost of gas         429,635         292,314         262,755           Operations and maintenance         224,667         204,227         180,129           Environmental remediation         12,867         204,227         180,129           General taxes         41,031         38,633         50,078           Revenue taxes         41,826         34,740         30,291           Depreciation         116,707         113,534         103,683           Other operating expenses         3621         3,897         3,701           Total operating expenses         669,7283         625,328         105,777         163,117         148,351           Other income (expense), net         1,203         (12,559)         (13,944)         143,052           Income form continuing operations         86,303         78,666         70,273           Income form continuing operations, net of tax         —         —         6,508           Net income (noss):         Change in employee benefit plan liability, net of taxes of \$(1,511) for 2022, \$(219)         795         905         679           Unrealized gain on interest rate swaps, net of taxes of \$(47) for 2022         129         —         —         —           Comprehensive income         \$ 91,422         \$ 8,0164 <t< th=""><th>Operating revenues</th><th>\$1,037,3</th><th>53</th><th>\$</th><th>860,400</th><th>\$</th><th>773,679</th></t<>	Operating revenues	\$1,037,3	53	\$	860,400	\$	773,679
Operations and maintenance         224,667         204,227         180,129           Environmental remediation         12,389         9,938         9,691           General taxes         41,031         38,633         35,078           Revenue taxes         41,826         34,740         30,291           Depreciation         116,707         113,554         103,683           Other operating expenses         3,621         3,897         3,701           Total operating expenses         869,876         697,283         625,328           Income from operations         167,477         163,117         148,351           Other income (expense), net         1,203         102,7406         21,082           Income from operations         86,303         78,666         76,781           Other income taxes         -         -         -         -           Net income         86,303         78,666         76,781           Other comprehensive income (loss):         -         -         -         -           Change in employee benefit plan liability, net of taxes of \$(25)         795         905         679           Unrealized gain on interest rate swaps, net of taxes of \$(47) for 2022         129         -         -         -	Operating expenses:						
Environmental remediation         12,389         9,938         9,691           General taxes         41,031         38,633         35,078           Revenue taxes         41,826         34,740         30,291           Depreciation         116,707         113,534         103,683           Other operating expenses         3,621         3,897         3,701           Total operating expenses         3,621         3,897         3,701           Income from operations         167,477         163,117         148,351           Other income (expense), net         1,203         (12,559)         (13,944)           Income before income taxes         115,433         106,072         91,355           Income form continuing operations         86,303         78,666         70,273           Income form discontinued operations, net of tax	Cost of gas	429,6	35		292,314		262,755
General taxes       41,031       38,633       35,078         Revenue taxes       41,826       34,740       30,291         Depreciation       116,707       113,534       103,683         Other operating expenses       3,621       3,897       3,701         Total operating expenses       869,876       697,283       625,328         Income from operations       167,477       163,117       148,351         Other income (expense), net       1,203       (12,559)       (13,944)         Income before income taxes       115,433       106,072       91,355         Income from continuing operations, net of tax       —       —       6,508         Net income from discontinued operations, net of tax       —       —       6,508         Net income from discontinued operations, net of taxes of \$(1,511) for 2022, \$(219) for 2021, and \$(244) for 2020       4,195       593       (2,848)         Amortization of non-qualified employee benefit plan liability, net of taxes of \$(1,611) for 2022, \$(320) for 2021, and \$(244) for 2020       129       —       —         Comprehensive income       \$91,422       \$80,164       \$7,402       30,572       30,591         Grazz, \$(320) for 2021, and \$(244) for 2020       129       —       —       —       —       —       <	Operations and maintenance	224,6	67		204,227		180,129
Revenue taxes       41,826       34,740       30,291         Depreciation       116,707       113,534       103,683         Other operating expenses       3,621       3,897       3,701         Total operating expenses       3,621       3,897       625,323         Income from operations       167,477       163,117       148,351         Other income (expense), net       1,203       (12,559)       (13,944)         Interest expense, net       53,247       44,486       43,052         Income form operations       29,130       27,406       21,082         Net income from discontinued operations, net of tax       —       —       —       6,508         Net income       86,303       78,666       70,273       16,508         Other comprehensive income (loss):       —       —       —       —       6,508         Change in employee benefit plan liability, net of taxes of \$(1,511) for 2022, \$(219)       4,195       593       (2,848)         Mortization of non-qualified employee benefit plan liability, net of taxes of \$(47) for 2022       129       —       —         Comprehensive income       \$ 91,422       \$ 80,164       \$ 74,612       —         Average common shares outstanding:	Environmental remediation	12,3	89		9,938		9,691
Depreciation         116,707         113,534         103,683           Other operating expenses         3,621         3,897         3,701           Total operating expenses         869,876         697,283         625,328           Income from operations         167,477         163,117         148,351           Other income (expense), net         1,203         (12,559)         (13,944)           Interest expense, net         53,247         44,486         43,052           Income tax expense         29,130         27,406         21,082           Net income from continuing operations, net of tax         —         —         6,508           Net income         86,303         78,666         70,273           Income from discontinued operations, net of tax         —         —         —         6,508           Net income         86,303         78,666         76,781         74,412         593         (2,848)           Amoritzation of non-qualified employee benefit plan liability, net of taxes of \$(1,511) for 2022, \$(20) for 2021, and \$(2,44) for 2020         795         905         679           Unrealized gain on interest rate swaps, net of taxes of \$(47) for 2022         129         —         —         —           Comprehensive income         33,934         30,	General taxes	41,0	31		38,633		35,078
Other operating expenses         3,621         3,897         3,701           Total operating expenses         869,876         697,283         625,328           Income from operations         167,477         163,117         148,351           Other income (expense), net         1,203         (12,559)         (13,944)           Income before income taxes         115,433         106,072         91,355           Income from continuing operations         86,303         78,666         70,273           Income from continuing operations, net of tax         —         —         6,508           Net income         86,303         78,666         76,781           Other comprehensive income (loss):         Change in employee benefit plan liability, net of taxes of \$(1,511) for 2022, \$(219) for 2021, and \$(1,025 for 2020)         4,195         593         (2,848)           Amortization of non-qualified employee benefit plan liability, net of taxes of \$(47) for 2022         129         —         —           Comprehensive income         § 91,422         \$ 80,164         \$ 74,612           Average common shares outstanding:         33,934         30,702         30,541           Diluted         33,934         30,722         30,599           Earnings from discontinuid operations per share of common stock:         \$ 2,	Revenue taxes	41,8	26		34,740		30,291
Total operating expenses         869,876         697,283         625,328           Income from operations         167,477         163,117         148,351           Other income (expense), net         1,203         (12,559)         (13,944)           Interest expense, net         53,247         44,486         43,052           Income before income taxes         115,433         106,072         91,355           Income from discontinuid operations         86,303         78,666         70,273           Income from discontinued operations, net of tax         —         —         —         6,503           Net income         86,303         78,666         76,781         0ther comprehensive income (loss):	Depreciation	116,7	07		113,534		103,683
Income from operations       167,477       163,117       148,351         Other income (expense), net       1,203       (12,559)       (13,944)         Interest expense, net       53,247       44,486       43,052         Income before income taxes       115,433       106,072       91,355         Income from continuing operations       86,303       78,666       70,273         Income from discontinued operations, net of tax       —       —       6,508         Net income       86,303       78,666       76,781         Other comprehensive income (loss):       —       —       —       6,508         Change in employee benefit plan liability, net of taxes of \$(1,511) for 2022, \$(219)       4,195       593       (2,848)         Amortization of non-qualified employee benefit plan liability, net of taxes of \$(286)       795       90.5       679         Unrealized gain on interest rate swaps, net of taxes of \$(47) for 2022       129       —       —       —         Average common shares outstanding:       Basic       33,934       30,702       30,541         Diluted       33,934       30,752       30,599       2.54       \$ 2.56       \$ 2.30         Earnings from continuing operations per share of common stock:       Basic       \$ 3,934 <td< td=""><td>Other operating expenses</td><td>3,6</td><td>21</td><td></td><td>3,897</td><td></td><td>3,701</td></td<>	Other operating expenses	3,6	21		3,897		3,701
Other income (expense), net       1,203       (12,559)       (13,944)         Interest expense, net       53,247       44,486       43,052         Income before income taxes       115,433       106,072       91,355         Income from continuing operations       86,303       78,666       70,273         Income from discontinued operations, net of tax       —       —       6,508         Net income       86,303       78,666       76,781         Other comprehensive income (loss):       Change in employee benefit plan liability, net of taxes of \$(1,511) for 2022, \$(219) for 2021, and \$1,025 for 2020       4,195       593       (2,848)         Amortization of non-qualified employee benefit plan liability, net of taxes of \$(47) for 2022       129       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       #	Total operating expenses	869,8	76		697,283		625,328
Interest expense, net       53,247       44,486       43,052         Income before income taxes       115,433       106,072       91,355         Income tax expense       29,130       27,406       21,082         Net income from continuing operations       86,303       78,666       70,273         Income from discontinued operations, net of tax       —       —       6,508         Net income       86,303       78,666       76,781         Other comprehensive income (loss):       Change in employee benefit plan liability, net of taxes of \$(1,511) for 2022, \$(219) for 2021, and \$(1,025 for 2020)       4,195       593       (2,848)         Amortization of non-qualified employee benefit plan liability, net of taxes of \$(47) for 2022       129       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —	Income from operations	167,4	77		163,117		148,351
Income before income taxes         115,433         106,072         91,355           Income tax expense         29,130         27,406         21,082           Net income from continuing operations         86,303         78,666         70,273           Income from discontinued operations, net of tax         —         —         6,508           Net income         86,303         78,666         76,781           Other comprehensive income (loss):	Other income (expense), net	1,2	03		(12,559)		(13,944)
Income tax expense       29,130       27,406       21,822         Net income from continuing operations       86,303       78,666       70,273         Income from discontinued operations, net of tax       —       —       6,508         Net income       86,303       78,666       76,781         Other comprehensive income (loss):       —       —       6,508         Change in employee benefit plan liability, net of taxes of \$(1,511) for 2022, \$(219)       4,195       593       (2,848)         Amortization of non-qualified employee benefit plan liability, net of taxes of \$(47) for 2022       795       905       679         Unrealized gain on interest rate swaps, net of taxes of \$(47) for 2022       129       —       —       —         Comprehensive income       \$       91,422       \$       80,164       \$       74,612         Average common shares outstanding:	Interest expense, net	53,2	47		44,486		43,052
Net income from continuing operations         86,303         78,666         70,273           Income from discontinued operations, net of tax         —         —         —         6,508           Net income         86,303         78,666         76,781           Other comprehensive income (loss):	Income before income taxes	115,4	33		106,072		91,355
Income from discontinued operations, net of tax         —         —         —         —         6,508           Net income         86,303         78,666         76,781           Other comprehensive income (loss):	Income tax expense	29,1	30		27,406		21,082
Net income         86,303         78,666         76,781           Other comprehensive income (loss):         Change in employee benefit plan liability, net of taxes of \$(1,511) for 2022, \$(219) for 2021, and \$1,025 for 2020         4,195         593         (2,848)           Amortization of non-qualified employee benefit plan liability, net of taxes of \$(286) for 2022, \$(320) for 2021, and \$(244) for 2020         795         905         679           Unrealized gain on interest rate swaps, net of taxes of \$(47) for 2022         129         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         —         …         …         …         …         …         …         …         …         …         …         … <td< td=""><td>Net income from continuing operations</td><td>86,3</td><td>03</td><td></td><td>78,666</td><td></td><td>70,273</td></td<>	Net income from continuing operations	86,3	03		78,666		70,273
Other comprehensive income (loss):       4,195       593       (2,848)         Amortization of non-qualified employee benefit plan liability, net of taxes of \$(280)       795       905       679         Unrealized gain on interest rate swaps, net of taxes of \$(47) for 2022       129       —       —       —         Comprehensive income       \$       91,422       \$       80,164       \$       74,612         Average common shares outstanding:       33,934       30,702       30,541       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _       _<	Income from discontinued operations, net of tax						6,508
Change in employee benefit plan liability, net of taxes of \$(1,511) for 2022, \$(219)       4,195       593       (2,848)         Amortization of non-qualified employee benefit plan liability, net of taxes of \$(286)       795       905       679         Unrealized gain on interest rate swaps, net of taxes of \$(47) for 2022       129       —       —       —         Comprehensive income       \$ 91,422       \$ 80,164       \$ 74,612         Average common shares outstanding:       33,934       30,702       30,541         Diluted       33,984       30,752       30,599         Earnings from continuing operations per share of common stock:       \$ 2.54       \$ 2.56       \$ 2.30         Diluted       2.54       \$ 2.56       \$ 0.21         Diluted       -       -       0.21         Earnings from discontinued operations per share of common stock:       \$ -       \$ 0.21         Basic       -       -       0.21         Diluted       -       -       0.21         Earnings per share of common stock:       -       -       0.21	Net income	86,3	03		78,666		76,781
for 2021, and \$1,025 for 2020       4,195       593       (2,848)         Amortization of non-qualified employee benefit plan liability, net of taxes of \$(286)       795       905       679         Unrealized gain on interest rate swaps, net of taxes of \$(47) for 2022       129       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …	Other comprehensive income (loss):						
for 2022, \$(320) for 2021, and \$(244) for 2020       795       905       679         Unrealized gain on interest rate swaps, net of taxes of \$(47) for 2022       129       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       —       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       …       … <td></td> <td>4,1</td> <td>95</td> <td></td> <td>593</td> <td></td> <td>(2,848)</td>		4,1	95		593		(2,848)
Comprehensive income       \$ 91,422       \$ 80,164       \$ 74,612         Average common shares outstanding:       33,934       30,702       30,541         Basic       33,934       30,752       30,599         Earnings from continuing operations per share of common stock:       33,984       30,752       30,599         Basic       \$ 2.54       \$ 2.56       \$ 2.30         Diluted       2.54       \$ 2.56       \$ 2.30         Earnings from discontinued operations per share of common stock:       2.54       \$ 2.56       \$ 2.30         Earnings from discontinued operations per share of common stock:       5        \$ 0.21         Diluted         0.21        0.21         Earnings per share of common stock:         0.21         Basic       \$ 2.54       \$ 2.56       \$ 2.51	Amortization of non-qualified employee benefit plan liability, net of taxes of \$(286) for 2022, \$(320) for 2021, and \$(244) for 2020	7	95		905		679
Average common shares outstanding:       Image: Share of common shares outstanding:       Image: Share outstanding:	Unrealized gain on interest rate swaps, net of taxes of \$(47) for 2022	1	29				_
Basic       33,934       30,702       30,541         Diluted       33,984       30,752       30,599         Earnings from continuing operations per share of common stock:       8       2.54       \$       2.56       \$       2.30         Diluted       2.54       \$       2.56       \$       2.30       2.54       \$       2.56       \$       2.30         Earnings from discontinued operations per share of common stock:       2.54       \$       2.56       \$       2.30         Earnings from discontinued operations per share of common stock:       8        \$        \$       0.21         Diluted          0.21        \$       0.21         Earnings per share of common stock:          0.21        \$       2.56       \$       2.51         Basic       \$       2.54       \$       2.56       \$       2.51	Comprehensive income	\$ 91,4	22	\$	80,164	\$	74,612
Diluted       33,984       30,752       30,599         Earnings from continuing operations per share of common stock:       \$       2.54       \$       2.56       \$       2.30         Diluted       2.54       \$       2.56       \$       2.30       2.30         Earnings from discontinued operations per share of common stock:       2.54       \$       2.56       \$       2.30         Basic       \$       2.54       \$       0.21       2.56       \$       0.21         Diluted       -       \$       -       \$       0.21       \$       0.21         Earnings per share of common stock:       -       -       \$       0.21       \$       0.21         Earnings per share of common stock:       -       -       -       \$       0.21         Earnings per share of common stock:       -       -       -       \$       0.21         Earnings per share of common stock:       -       -       -       5       2.56       \$       2.51	Average common shares outstanding:						
Earnings from continuing operations per share of common stock:%2.54\$2.56\$2.30Diluted2.542.562.30Earnings from discontinued operations per share of common stock:%-\$-\$0.21Diluted0.210.210.210.210.21Earnings per share of common stock:0.210.21Earnings per share of common stock:52.56\$2.51	Basic	33,9	34		30,702		30,541
Basic       \$ 2.54       \$ 2.56       \$ 2.30         Diluted       2.54       2.56       2.30         Earnings from discontinued operations per share of common stock:       3        \$ 4       2.56       2.30         Basic       \$       \$ 5        \$ 5       0.21         Diluted         \$ 0.21         Diluted         \$ 0.21         Earnings per share of common stock:         \$ 0.21         Basic       \$ 2.54       \$ 2.56       \$ 2.51	Diluted	33,9	84		30,752		30,599
Diluted2.542.562.30Earnings from discontinued operations per share of common stock:\$-\$0.21Basic-\$-\$0.21Diluted0.210.21Earnings per share of common stock:0.21Basic\$2.54\$2.56\$	Earnings from continuing operations per share of common stock:						
Earnings from discontinued operations per share of common stock:\$-\$-\$0.21Basic0.21Earnings per share of common stock:0.21Basic\$2.54\$2.56\$2.51	Basic	\$ 2.	54	\$	2.56	\$	2.30
Basic       \$        \$        \$       0.21         Diluted         0.21         Earnings per share of common stock:         0.21         Basic       \$       2.54       \$       2.56       \$       2.51	Diluted	2.	54		2.56		2.30
Diluted       -       -       0.21         Earnings per share of common stock:       8       2.54       \$       2.51	Earnings from discontinued operations per share of common stock:						
Earnings per share of common stock:Basic\$ 2.54 \$ 2.56 \$ 2.51	Basic	\$		\$	_	\$	0.21
Basic \$ 2.54 \$ 2.56 \$ 2.51	Diluted				_		0.21
	Earnings per share of common stock:						
Diluted 2.54 2.56 2.51	Basic	\$ 2.	54	\$	2.56	\$	2.51
	Diluted	2.	54		2.56		2.51

CONSOLIDATED BALANCE SHEETS

	As of De	cember 31,
In thousands	2022	2021
Assets:		
Current assets:		
Cash and cash equivalents	\$ 29,270	\$ 18,559
Accounts receivable	168,906	101,495
Accrued unbilled revenue	89,048	82,169
Allowance for uncollectible accounts	(3,296	) (2,018)
Regulatory assets	117,491	72,391
Derivative instruments	194,412	48,130
Inventories	87,096	57,262
Other current assets	61,286	59,288
Total current assets	744,213	437,276
Non-current assets:		
Property, plant, and equipment	4,261,566	3,997,243
Less: Accumulated depreciation	1,147,166	1,125,873
Total property, plant, and equipment, net	3,114,400	2,871,370
Regulatory assets	340,432	314,579
Derivative instruments	5,045	10,730
Other investments	95,704	89,278
Operating lease right of use asset, net	73,429	75,049
Assets under sales-type leases	134,302	138,995
Goodwill	149,283	70,570
Other non-current assets	91,518	56,757
Total non-current assets	4,004,113	3,627,328
Total assets	\$ 4,748,326	\$ 4,064,604

CONSOLIDATED BALANCE SHEETS

		As of Dec	ember 31,		
In thousands		2022		2021	
Liabilities and equity:					
Current liabilities:					
Short-term debt	\$	258,200	\$	389,500	
Current maturities of long-term debt		90,697		345	
Accounts payable		180,667		133,486	
Taxes accrued		15,625		15,520	
Interest accrued		10,169		7,503	
Regulatory liabilities		248,582		112,281	
Derivative instruments		28,728		10,402	
Operating lease liabilities		1,514		1,296	
Other current liabilities		64,552		54,432	
Total current liabilities		898,734		724,765	
Long-term debt		1,246,167		1,044,587	
Deferred credits and other non-current liabilities:					
Deferred tax liabilities		366,022		340,231	
Regulatory liabilities		689,578		658,332	
Pension and other postretirement benefit liabilities		149,143		166,684	
Derivative instruments		20,838		412	
Operating lease liabilities		78,965		79,468	
Other non-current liabilities		123,438		114,979	
Total deferred credits and other non-current liabilities		1,427,984		1,360,106	
Commitments and contingencies (see Note 16 and Note 17)					
Equity:					
Common stock - no par value; authorized 100,000 shares; issued and outstanding 35,525 and 31,129 at December 31, 2022 and 2021, respectively		805,253		590,771	
Retained earnings		376,473		355,779	
Accumulated other comprehensive loss	_	(6,285)		(11,404)	
Total equity	_	1,175,441		935,146	
Total liabilities and equity	\$	4,748,326	\$	4,064,604	

# CONSOLIDATED STATEMENTS OF SHAREHOLDERS' EQUITY

			Accumulated Other	
In thousands	Common Stock	Retained Earnings	Comprehensive Income (Loss)	Total Equity
	SIUCK	Lamings	Income (LOSS)	Equity
Balance at December 31, 2019	\$ 558,282	\$ 318,450	\$ (10,733)	\$ 865,999
Comprehensive income (loss)	_	76,781	(2,169)	74,612
Dividends on common stock, \$1.91 per share	_	(58,708)	_	(58,708)
Stock-based compensation	4,361	_	_	4,361
Shares issued pursuant to equity based plans	2,469			2,469
Balance at December 31, 2020	565,112	336,523	(12,902)	888,733
Comprehensive income (loss)	_	78,666	1,498	80,164
Dividends on common stock, \$1.92 per share	_	(59,410)	—	(59,410)
Stock-based compensation	3,615	_	—	3,615
Shares issued pursuant to equity based plans	4,543	_	—	4,543
Issuance of common stock, net of issuance costs	17,501			17,501
Balance at December 31, 2021	590,771	355,779	(11,404)	935,146
Comprehensive income (loss)	_	86,303	5,119	91,422
Dividends on common stock, \$1.93 per share	_	(65,609)	—	(65,609)
Stock-based compensation	3,228	_	—	3,228
Shares issued pursuant to equity based plans	2,978	_	—	2,978
Issuance of common stock, net of issuance costs	208,276			208,276
Balance at December 31, 2022	\$ 805,253	\$ 376,473	\$ (6,285)	\$ 1,175,441

# CONSOLIDATED STATEMENTS OF CASH FLOWS

	Year Ended December 37			
In thousands	2022	2021	2020	
Operating activities:				
Net income	\$ 86,303	\$ 78,666	\$ 76,781	
Adjustments to reconcile net income to cash provided by operations:				
Depreciation	116,707	113,534	103,683	
Regulatory amortization of gas reserves	5,589	13,897	17,779	
Deferred income taxes	17,410	14,617	18,667	
Qualified defined benefit pension plan expense	5,351	16,556	18,370	
Contributions to qualified defined benefit pension plans	—	(9,590)	(28,980)	
Deferred environmental expenditures, net	(18,160)	(18,187)	(27,871)	
Environmental remediation expense	12,389	9,938	9,691	
Gain on sale of discontinued operations, net of tax	—	_	(5,902	
Asset optimization revenue sharing bill credits	(41,102)	(9,053)	(16,970	
Other	21,558	20,622	10,028	
Changes in assets and liabilities:				
Receivables, net	(76,454)	(44,128)	(16,799	
Inventories	(29,269)	(14,571)	1,262	
Income and other taxes	6,908	3,292	(10,710	
Accounts payable	24,508	12,118	(15,910	
Deferred gas costs	12,334	(40,541)	17,590	
Asset optimization revenue sharing	28,937	44,458	(7,244	
Decoupling mechanism	10,922	(5,206)	2,884	
Cloud-based software	(23,908)	(7,407)	(4,265	
Other, net	(12,351)	(18,662)	1,340	
Discontinued operations			1,894	
Cash provided by operating activities	147,672	160,353	145,318	
Investing activities:				
Capital expenditures	(338,602)	(293,892)	(273,016	
Acquisitions, net of cash acquired	(94,279)	(1,289)	(38,263	
Leasehold improvement expenditures	(761)	(1,364)	(7,878	
Proceeds from the sale of assets	870	3,926	8,149	
Purchase of equity method investment	(1,000)	(14,450)	_	
Proceeds from sale of equity method investment	—	7,000	7,000	
Proceeds from sale of discontinued operations	—	—	12,500	
Other	(1,688)	(54)	1,654	
Discontinued operations			(4,423	
Cash used in investing activities	(435,460)	(300,123)	(294,277	

	Year Ei	nded Decem	ber 31,
	2022 2021 2020		2020
Financing activities:			
Proceeds from common stock issued, net	208,561	17,501	_
Long-term debt issued	290,000	185,000	150,000
Long-term debt retired	—	(95,000)	(75,000)
Proceeds from term loan due within one year	—	100,000	150,000
Repayment of term loan	—	(100,000)	(150,000)
Proceeds from commercial paper, maturities greater than three months	—	—	195,025
Repayments of commercial paper, maturities greater than three months	—	(195,025)	—
Changes in other short-term debt, net	(131,300)	280,000	(39,600)
Cash dividend payments on common stock	(62,771)	(55,919)	(55,420)
Other	(2,858)	(5,121)	(3,228)
Cash provided by financing activities	301,632	131,436	171,777
Increase (decrease) in cash, cash equivalents and restricted cash	13,844	(8,334)	22,818
Cash, cash equivalents and restricted cash, beginning of period	27,120	35,454	12,636
Cash, cash equivalents and restricted cash, end of period	\$ 40,964	\$ 27,120	\$ 35,454
Supplemental disclosure of cash flow information:			
Interest paid, net of capitalization	\$ 50,823	\$ 43,719	\$ 42,651
Income taxes paid, net of refunds	2,779	10,555	13,644

# CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (LOSS)

	Year E	Ended Decem	oer 31,
In thousands	2022	2021	2020
Operating revenues	\$1,014,339	\$ 843,057	\$ 758,748
Operating expenses:			
Cost of gas	429,861	292,538	262,980
Operations and maintenance	204,845	188,762	168,869
Environmental remediation	12,389	9,938	9,691
General taxes	40,151	38,150	34,459
Revenue taxes	41,627	34,600	30,291
Depreciation	112,957	110,504	101,586
Other operating expenses	3,135	3,332	3,232
Total operating expenses	844,965	677,824	611,108
Income from operations	169,374	165,233	147,640
Other income (expense), net	(436)	(12,745)	(15,116)
Interest expense, net	46,338	42,983	40,866
Income before income taxes	122,600	109,505	91,658
Income tax expense	31,036	28,333	21,095
Net income	91,564	81,172	70,563
Other comprehensive income (loss):			
Change in employee benefit plan liability, net of taxes of \$(1,511) for 2022, \$(219) for 2021, and \$1,025 for 2020	4,195	593	(2,848)
Amortization of non-qualified employee benefit plan liability, net of taxes of \$(286) for 2022, \$(320) for 2021, and \$(244) for 2020	795	905	679
Comprehensive income	\$ 96,554	\$ 82,670	\$ 68,394

# CONSOLIDATED BALANCE SHEETS

	As of Dece	ember 31,
In thousands	2022	2021
Assets:		
Current assets:		
Cash and cash equivalents	\$ 12,977	\$ 12,271
Accounts receivable	165,607	99,780
Accrued unbilled revenue	87,482	82,028
Receivables from affiliates	634	261
Allowance for uncollectible accounts	(3,079)	(1,962
Regulatory assets	117,491	72,391
Derivative instruments	194,236	48,130
Inventories	86,207	56,752
Other current assets	57,269	47,378
Total current assets	718,824	417,029
Non-current assets:		
Property, plant, and equipment	4,148,547	3,931,640
Less: Accumulated depreciation	1,137,231	1,119,361
Total property, plant, and equipment, net	3,011,316	2,812,279
Regulatory assets	340,407	314,539
Derivative instruments	5,045	10,730
Other investments	80,110	74,786
Operating lease right of use asset, net	72,720	74,987
Assets under sales-type leases	134,302	138,995
Other non-current assets	89,994	55,027
Total non-current assets	3,733,894	3,481,343
Total assets	\$ 4,452,718	\$ 3,898,372

# CONSOLIDATED BALANCE SHEETS

	As of Decen	nber 31,
In thousands	2022	2021
Liabilities and equity:		
Current liabilities:		
Short-term debt	\$ 170,200 \$	245,500
Current maturities of long-term debt	89,942	_
Accounts payable	177,590	131,475
Payables to affiliates	9,175	1,248
Taxes accrued	15,426	15,476
Interest accrued	8,900	7,296
Regulatory liabilities	248,553	112,281
Derivative instruments	28,728	10,402
Operating lease liabilities	1,363	1,273
Other current liabilities	62,019	53,591
Total current liabilities	811,896	578,542
Long-term debt	1,035,935	986,495
Deferred credits and other non-current liabilities:		
Deferred tax liabilities	362,353	337,717
Regulatory liabilities	688,599	657,350
Pension and other postretirement benefit liabilities	149,143	166,684
Derivative instruments	20,838	412
Operating lease liabilities	78,345	79,431
Other non-current liabilities	114,527	113,934
Total deferred credits and other non-current liabilities	1,413,805	1,355,528
Commitments and contingencies (see Note 16 and Note 17)		
Equity:		
Common stock	614,903	435,515
Retained earnings	582,593	553,696
Accumulated other comprehensive loss	(6,414)	(11,404
Total equity	1,191,082	977,807
Total liabilities and equity	\$ 4,452,718 \$	3,898,372

# **NORTHWEST NATURAL GAS COMPANY** CONSOLIDATED STATEMENTS OF SHAREHOLDER'S EQUITY

In thousands	Com	mon Stock	Retained Earnings	Accumulated Other Comprehensive Income (Loss)	Total Equity
Balance at December 31, 2019	\$	319,557	\$ 513,372	\$ (10,733)	\$ 822,196
Comprehensive income (loss)		_	70,563	(2,169)	68,394
Dividends on common stock		_	(55,355)	_	(55,355)
Other		(51)	 		 (51)
Balance at December 31, 2020		319,506	528,580	(12,902)	835,184
Comprehensive income (loss)		_	81,172	1,498	82,670
Dividends on common stock		_	(56,056)	—	(56,056)
Capital contributions from parent		116,009	 		 116,009
Balance at December 31, 2021		435,515	553,696	(11,404)	977,807
Comprehensive income (loss)		_	91,564	4,990	96,554
Dividends on common stock		_	(62,667)	_	(62,667)
Capital contributions from parent		179,388	_	_	179,388
Balance at December 31, 2022	\$	614,903	\$ 582,593	\$ (6,414)	\$ 1,191,082

# CONSOLIDATED STATEMENTS OF CASH FLOWS

	Year E	inded Decem	ıber 31,
In thousands	2022	2021	2020
Operating activities:			
Net income	\$ 91,564	\$ 81,172	\$ 70,563
Adjustments to reconcile net income to cash provided by operations:			
Depreciation	112,957	110,504	101,586
Regulatory amortization of gas reserves	5,589	13,897	17,779
Deferred income taxes	16,288	13,223	4,645
Qualified defined benefit pension plan expense	5,351	16,556	18,370
Contributions to qualified defined benefit pension plans	—	(9,590)	(28,980
Deferred environmental expenditures, net	(18,160)	(18,187)	(27,871
Environmental remediation expense	12,389	9,938	9,691
Asset optimization revenue sharing bill credits	(41,102)	(9,053)	(16,970
Other	20,448	18,517	9,945
Changes in assets and liabilities:			
Receivables, net	(75,177)	(43,030)	(16,540
Inventories	(28,890)		1,539
Income and other taxes	6,729	(10,405)	10,832
Accounts payable	21,375	8,728	(18,909
Deferred gas costs	12,334	(40,541)	17,590
Asset optimization revenue sharing	28,937	44,458	(7,244
Decoupling mechanism	10,922	(5,206)	2,884
Cloud-based software	(23,908)		(4,265
Other, net	(12,455)	(17,653)	3,872
Cash provided by operating activities	145,191	141,494	148,517
Investing activities:	110,101		110,017
Capital expenditures	(318,686)	(278,237)	(266,048
Leasehold improvement expenditures	(761)	(1,364)	(7,878
Proceeds from the sale of assets	870	3,926	8,149
Other	(1,688)	(54)	1,654
Cash used in investing activities	(320,265)	(275,729)	(264,123
Financing activities:	(320,203)	(213,123)	(204,123
Long-term debt issued	140,000	130,000	150,000
Long-term debt retired	140,000	(60,000)	
5		,	(75,000
Proceeds from term loan due within one year	—	100,000	150,000
Repayment of term loan		(100,000)	(150,000
Proceeds from commercial paper, maturities greater than three months	_	(405.005)	195,025
Repayment of commercial paper, maturities greater than three months	(75.000)	(195,025)	(00.000
Changes in other short-term debt, net	(75,300)	209,000	(88,600
Cash contributions received from parent	179,388	116,009	
Cash dividend payments on common stock	(62,667)	(56,056)	(55,355
Other	(2,508)	(4,600)	(3,632
Cash provided by financing activities	178,913	139,328	122,438
Increase in cash, cash equivalents and restricted cash	3,839	5,093	6,832
Cash, cash equivalents and restricted cash, beginning of period	20,832	15,739	8,907
Cash, cash equivalents and restricted cash, end of period	\$ 24,671	\$ 20,832	\$ 15,739
Supplemental disclosure of cash flow information:			
Interest paid, net of capitalization	\$ 44,813	\$ 42,395	\$ 40,624
Income taxes paid, net of refunds	5,990	26,451	6,100

# NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

# 1. ORGANIZATION AND PRINCIPLES OF CONSOLIDATION

The accompanying consolidated financial statements represent the respective, consolidated financial results of NW Holdings and NW Natural and all respective companies that each registrant directly or indirectly controls, either through majority ownership or otherwise. This is a combined report of NW Holdings and NW Natural, which includes separate consolidated financial statements for each registrant.

NW Natural's regulated natural gas distribution activities are reported in the natural gas distribution (NGD) segment. The NGD segment is NW Natural's core operating business and serves residential, commercial, and industrial customers in Oregon and southwest Washington. The NGD segment is the only reportable segment for NW Holdings and NW Natural. All other activities, water and wastewater businesses, and other investments are aggregated and reported as other at their respective registrant.

NW Holdings and NW Natural consolidate all entities in which they have a controlling financial interest. Investments in corporate joint ventures and partnerships that NW Holdings does not directly or indirectly control, and for which it is not the primary beneficiary, include NNG Financial's investment in Kelso-Beaver Pipeline and NWN Water's investment in Avion Water Company, Inc., which are accounted for under the equity method. NW Natural RNG Holding Company, LLC holds an investment in Lexington Renewable Energy, LLC, which is also accounted for under the equity method. See Note 13 for activity related to equity method investments. NW Holdings and its direct and indirect subsidiaries are collectively referred to herein as NW Holdings, and NW Natural and its direct and indirect subsidiaries are collectively referred to herein as NW Natural. The consolidated financial statements of NW Holdings and NW Natural are presented after elimination of all intercompany balances and transactions.

In June 2018, NWN Gas Storage, a wholly-owned subsidiary of NW Natural at the time and now a wholly-owned subsidiary of NW Holdings, entered into a Purchase and Sale Agreement that provided for the sale of all of the membership interests in its wholly-owned subsidiary, Gill Ranch Storage, LLC (Gill Ranch). We concluded that the sale of Gill Ranch qualified as assets and liabilities held for sale and discontinued operations. As such, the results of Gill Ranch were presented as a discontinued operation for NW Holdings for all periods presented on the consolidated statements of comprehensive income and cash flows, and the assets and liabilities associated with Gill Ranch were classified as discontinued operations assets and liabilities on the NW Holdings consolidated balance sheet. The sale closed on December 4, 2020. See Note 18 for additional information.

Notes to the consolidated financial statements reflect the activity of continuing operations for both NW Holdings and NW Natural for all periods presented, unless otherwise noted. Certain reclassifications have been made to conform prior period information to the current presentation. The reclassifications did not have a material effect on our consolidated financial statements.

# 2. SIGNIFICANT ACCOUNTING POLICIES

# **Use of Estimates**

The preparation of financial statements in conformity with generally accepted accounting principles in the United States of America (U.S. GAAP) requires management to make estimates and assumptions that affect reported amounts in the consolidated financial statements and accompanying notes. Actual amounts could differ from those estimates, and changes would most likely be reported in future periods. Management believes the estimates and assumptions used are reasonable.

#### **Industry Regulation**

NW Holdings' principal business is to operate as a holding company for NW Natural and its other subsidiaries. NW Natural's principal business is the distribution of natural gas, which is regulated by the OPUC and WUTC. NW Natural also has natural gas storage services, which are regulated by the FERC, and to a certain extent by the OPUC and WUTC. Additionally, certain of NW Holdings' subsidiaries own water businesses, which are regulated by the public utility commission in the state in which the water utility is located, which is currently Oregon, Washington, Idaho, Texas and Arizona. Wastewater businesses, to the extent they are regulated, are generally regulated by the public utility commissions in the state in which the wastewater utility is located, which is currently Texas and Arizona. Accounting records and practices of the regulated businesses conform to the requirements and uniform system of accounts prescribed by these regulatory authorities in accordance with U.S. GAAP. The businesses in which customer rates are regulated by the OPUC, WUTC, IPUC, PUTC, ACC and FERC have approved cost-based rates which are intended to allow such businesses to earn a reasonable return on invested capital.

In applying regulatory accounting principles, NW Holdings and NW Natural capitalize or defer certain costs and revenues as regulatory assets and liabilities pursuant to orders of the applicable state public utility commission, which provide for the recovery of revenues or expenses from, or refunds to, utility customers in future periods, including a return or a carrying charge in certain cases.

Amounts NW Natural deferred as regulatory assets and liabilities were as follows:

In thousands		<u> </u>	ory As	Assets		
		2022		2021		
NW Natural:						
Current:						
Unrealized loss on derivatives ⁽¹⁾	\$	28,728	\$	10,402		
Gas costs		61,223		35,641		
Environmental costs ⁽²⁾		7,392		6,694		
Decoupling ⁽³⁾		—		969		
Pension balancing ⁽⁴⁾		7,131		7,131		
Income taxes		2,208		2,568		
Other ⁽⁵⁾		10,809		8,986		
Total current	\$	117,491	\$	72,391		
Non-current:						
Unrealized loss on derivatives ⁽¹⁾	\$	20,838	\$	412		
Pension balancing ⁽⁴⁾		32,997		38,302		
Income taxes		10,943		12,609		
Pension and other postretirement benefit liabilities		101,413		116,440		
Environmental costs ⁽²⁾		104,253		94,636		
Gas costs		22,355		15,477		
Other ⁽⁵⁾		47,608		36,663		
Total non-current	\$	340,407	\$	314,539		
Other (NW Holdings)	<u> </u>	25	-	40		
Total non-current -NW Holdings	\$	340,432	\$	314,579		
<b>J</b>						
		Regulator	'y Lia			
In thousands NW Natural:		2022		2021		
Current:	¢	4 4 0 4	¢	70		
Gas costs	\$	4,121	\$	70		
		404 000		48,130		
Unrealized gain on derivatives ⁽¹⁾		194,236		4 4 7 7		
Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾		14,026				
Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾		14,026 7,166		8,192		
Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾ Asset optimization revenue sharing		14,026 7,166 26,368		8,192 45,124		
Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾ Asset optimization revenue sharing Other ⁽⁵⁾		14,026 7,166 26,368 2,636		8,192 45,124 6,290		
Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾ Asset optimization revenue sharing Other ⁽⁵⁾ Total current - NW Natural	\$	14,026 7,166 26,368 2,636 248,553	\$	8,192 45,124 6,290		
Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾ Asset optimization revenue sharing Other ⁽⁵⁾ Total current - NW Natural <b>Other (NW Holdings)</b>	<u> </u>	14,026 7,166 26,368 2,636 248,553 29		8,192 45,124 6,290 112,287		
Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾ Asset optimization revenue sharing Other ⁽⁵⁾ Total current - NW Natural <b>Other (NW Holdings)</b> Total current - NW Holdings	\$	14,026 7,166 26,368 2,636 248,553		8,192 45,124 6,290 112,287		
Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾ Asset optimization revenue sharing Other ⁽⁵⁾ Total current - NW Natural <b>Other (NW Holdings)</b> Total current - NW Holdings Non-current:	\$	14,026 7,166 26,368 2,636 248,553 29 248,582		8,192 45,124 6,290 112,287 		
Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾ Asset optimization revenue sharing Other ⁽⁵⁾ Total current - NW Natural <b>Other (NW Holdings)</b> Total current - NW Holdings Non-current: Gas costs	<u> </u>	14,026 7,166 26,368 2,636 248,553 29 248,582 12,644		8,192 45,124 6,290 112,287 112,287 112,287 250		
Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾ Asset optimization revenue sharing Other ⁽⁵⁾ Total current - NW Natural <b>Other (NW Holdings)</b> Total current - NW Holdings Non-current: Gas costs Unrealized gain on derivatives ⁽¹⁾	\$	14,026 7,166 26,368 2,636 248,553 29 248,582 248,582 12,644 5,045	\$	8,192 45,124 6,290 112,287 112,287 112,287 250		
Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾ Asset optimization revenue sharing Other ⁽⁵⁾ Total current - NW Natural <b>Other (NW Holdings)</b> Total current - NW Holdings Non-current: Gas costs Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾	\$	14,026 7,166 26,368 2,636 248,553 29 248,582 12,644 5,045 3,814	\$	8,192 45,124 6,290 112,281 112,281 112,281 250 10,730 3,412		
Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾ Asset optimization revenue sharing Other ⁽⁵⁾ Total current - NW Natural <b>Other (NW Holdings)</b> Total current - NW Holdings Non-current: Gas costs Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾	\$	14,026 7,166 26,368 2,636 248,553 29 248,582 12,644 5,045 3,814 174,212	\$	8,192 45,124 6,290 112,28 112,28 112,28 250 10,730 3,412		
Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾ Asset optimization revenue sharing Other ⁽⁵⁾ Total current - NW Natural <b>Other (NW Holdings)</b> Total current - NW Holdings Non-current: Gas costs Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾	\$	14,026 7,166 26,368 2,636 248,553 29 248,582 12,644 5,045 3,814	\$	8,192 45,124 6,290 112,28 112,28 112,28 250 10,730 3,412 181,404		
Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾ Asset optimization revenue sharing Other ⁽⁵⁾ Total current - NW Natural <b>Other (NW Holdings)</b> Total current - NW Holdings Non-current: Gas costs Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾	\$	14,026 7,166 26,368 2,636 248,553 29 248,582 12,644 5,045 3,814 174,212	\$	8,192 45,124 6,290 112,287 112,287 112,287 250 10,730 3,412 181,404 445,952		
Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾ Asset optimization revenue sharing Other ⁽⁵⁾ Total current - NW Natural <b>Other (NW Holdings)</b> Total current - NW Holdings Non-current: Gas costs Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾ Accrued asset removal costs ⁽⁷⁾	\$	14,026 7,166 26,368 2,636 248,553 29 248,582 12,644 5,045 3,814 174,212 467,742	\$	8,192 45,124 6,290 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 112,287 12,297 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 12,197 1		
Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾ Asset optimization revenue sharing Other ⁽⁵⁾ Total current - NW Natural <b>Other (NW Holdings)</b> Total current - NW Holdings Non-current: Gas costs Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾ Accrued asset removal costs ⁽⁷⁾ Asset optimization revenue sharing	\$	14,026 7,166 26,368 2,636 248,553 29 248,582 12,644 5,045 3,814 174,212 467,742 8,401	\$	4,475 8,192 45,124 6,290 112,281 112,281 112,281 112,281 112,281 10,730 3,412 181,404 445,952 1,810 13,792 657,350		
Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾ Asset optimization revenue sharing Other ⁽⁵⁾ Total current - NW Natural <b>Other (NW Holdings)</b> Total current - NW Holdings Non-current: Gas costs Unrealized gain on derivatives ⁽¹⁾ Decoupling ⁽³⁾ Income taxes ⁽⁶⁾ Accrued asset removal costs ⁽⁷⁾ Asset optimization revenue sharing Other ⁽⁵⁾	\$	14,026 7,166 26,368 2,636 248,553 29 248,582 12,644 5,045 3,814 174,212 467,742 8,401 16,741	\$	8,192 45,124 6,290 112,28 112,28 112,28 112,28 250 10,730 3,412 181,404 445,952 1,810 13,792		

Unrealiz ed ya is or losses on derivatives are non-cash items and, therefore, do not earn a rate of return or a carrying charge. These amounts are recoverable through natural gas distribution rates as part of the annual Purchased Gas Adjustment (PGA) mechanism when realized at settlement.

(2) Refer to the Environmental Cost Deferral and Recovery table in Note 17 for a description of environmental costs.

(3) This deferral represents the margin adjustment resulting from differences between actual and expected volumes. Refer to Note 10 for information regarding the deferral of pension expenses.

(4)

- ⁽⁵⁾ Balances consist of deferrals and amortizations under approved regulatory mechanisms and typically earn a rate of return or carrying charge.
- ⁽⁶⁾ This balance represents estimated amounts associated with the Tax Cuts and Jobs Act. See Note 11.
- ⁽⁷⁾ Estimated costs of removal on certain regulated properties are collected through rates. See "Accounting Policies—*Plant, Property, and Accrued Asset Removal Costs*" below.

The amortization period for NW Natural's regulatory assets and liabilities ranges from less than one year to an indeterminable period. Regulatory deferrals for gas costs payable are generally amortized over 12 months beginning each November 1 following the gas contract year during which the deferred gas costs are recorded. Similarly, most other regulatory deferred accounts are amortized over 12 months. However, certain regulatory account balances, such as income taxes, environmental costs, pension liabilities, and accrued asset removal costs, are large and tend to be amortized over longer periods once NW Natural has agreed upon an amortization period with the respective regulatory agency.

We believe all costs incurred and deferred at December 31, 2022 are prudent. All regulatory assets are reviewed annually for recoverability, or more often if circumstances warrant. If we should determine that all or a portion of these regulatory assets no longer meet the criteria for continued application of regulatory accounting, then NW Natural would be required to write-off the net unrecoverable balances in the period such determination is made.

Regulatory interest income of \$7.0 million and \$6.1 million and regulatory interest expense of \$2.0 million and \$1.3 million was recognized within other income (expense), net for the years ended December 31, 2022 and 2021, respectively.

#### Environmental Regulatory Accounting

See Note 17 for information about the SRRM and OPUC orders regarding implementation.

#### COVID-19 Impact

During 2020, our regulated utilities received approval in their respective jurisdictions to defer certain financial impacts associated with COVID-19 such as bad debt expense, financing costs to secure liquidity, lost revenues related to late fees and reconnection fees, and other COVID-19 related costs, net of offsetting direct expense reductions associated with COVID-19. As of December 31, 2022, we believe that approximately \$18.7 million of the financial effects related to COVID-19 are recoverable. As part of the 2022 Oregon general rate case, NW Natural received approval from the OPUC to recover the 2020 and 2021 COVID-19 deferral beginning November 1, 2022. Approximately \$10.9 million will be amortized over a two-year period and NW Natural may request recovery of the remaining amount in the third year. Included in the total balance is approximately \$3.4 million of forgone late fee revenue that will be recognized in future periods as billed. Beginning January 2023, NW Natural will no longer defer any COVID-19 related costs in Oregon. NW Natural expects to recover its COVID-19 deferrals in Washington in a future proceeding.

# **New Accounting Standards**

NW Natural and NW Holdings consider the applicability and impact of all accounting standards updates (ASUs) issued by the Financial Accounting Standards Board (FASB). ASUs not listed below were assessed and determined to be either not applicable or are expected to have minimal impact on consolidated financial position or results of operations.

#### Recently Adopted Accounting Pronouncements

**REFERENCE RATE REFORM.** In March 2020, the FASB issued ASU 2020-04, "Reference Rate Reform (Topic 848): Facilitation of the Effects of Reference Rate Reform on Financial Reporting." The purpose of the amendment is to provide optional expedients and exceptions for applying generally accepted accounting principles (GAAP) to contracts, hedging relationships, and other transactions affected by reference rate reform if certain criteria are met. The amendments in this ASU apply only to contracts, hedging relationships, and other transactions that reference London Inter-Bank Offered Rate (LIBOR) or another reference rate expected to be discontinued because of reference rate reform.

In January 2021, the FASB issued ASU 2021-01, "Reference Rate Reform (Topic 848): Scope." The purpose of the amendment is to clarify guidance on reference rate reform activities, specifically related to accounting for derivative contracts and certain hedging relationships affected by changes in the interest rates used for discounting, margining, and contract price alignment (the "discounting transition"). The amendments in ASUs 2020-04 and 2021-01 are effective for all entities as of March 12, 2020 through December 31, 2022.

In December 2022, the FASB issued ASU 2022-06, "Reference Rate Reform (Topic 848): Deferral of the Sunset Date of Topic 848." The purpose of the amendment is to defer the sunset date of Topic 848 from December 31, 2022, to December 31, 2024, after which entities will no longer be permitted to apply the relief in Topic 848. The objective of the guidance in Topic 848 is to provide temporary relief during the transition period. The Board included a sunset provision within Topic 848 based on expectations of when the London Interbank Offered Rate (LIBOR) would cease being published. We do not expect the ASUs to materially affect the financial statements and disclosures of NW Holdings or NW Natural.

**LEASES.** In July 2021, the FASB issued ASU 2021-05, "Leases (Topic 842), Lessors - Certain Leases with Variable Lease Payments." The purpose of the amendment is to require lessors to account for certain lease transactions that contain variable lease payments as operating leases. The amendments in this ASU are intended to eliminate the recognition of any day-one loss

associated with certain sales-type and direct-financing lease transactions. The changes do not impact lessee accounting. The new guidance was effective on January 1, 2022 and adopted using a prospective approach. The adoption did not materially affect the financial statements and disclosures of NW Holdings or NW Natural.

# **Accounting Policies**

The accounting policies discussed below apply to both NW Holdings and NW Natural.

### Plant, Property, and Accrued Asset Removal Costs

Plant and property are stated at cost, including capitalized labor, materials, and overhead. In accordance with regulatory accounting standards, the cost of acquiring and constructing long-lived plant and property generally includes an allowance for funds used during construction (AFUDC) or capitalized interest. AFUDC represents the regulatory financing cost incurred when debt and equity funds are used for construction (see "*AFUDC*" below). When constructed assets are subject to market-based rates rather than cost-based rates, the financing costs incurred during construction are included in capitalized interest in accordance with U.S. GAAP, not as regulatory financing costs under AFUDC.

In accordance with long-standing regulatory treatment, our depreciation rates consist of three components: one based on the average service life of the asset, a second based on the estimated salvage value of the asset, and a third based on the asset's estimated cost of removal. We collect, through rates, the estimated cost of removal on certain regulated properties through depreciation expense, with a corresponding offset to accumulated depreciation. These removal costs are non-legal obligations as defined by regulatory accounting guidance. Therefore, we have included these costs as non-current regulatory liabilities rather than as accumulated depreciation on our consolidated balance sheets. In the rate setting process, the liability for removal costs is treated as a reduction to the net rate base on which the NGD business has the opportunity to earn its allowed rate of return.

The costs of NGD plant retired or otherwise disposed of are removed from NGD plant and charged to accumulated depreciation for recovery or refund through future rates. Gains from the sale of regulated assets are generally deferred and refunded to customers. For assets not related to NGD, we record a gain or loss upon the disposal of the property, and the gain or loss is recorded in operating income or loss in the consolidated statements of comprehensive income.

The provision for depreciation of NGD property, plant, and equipment is recorded under the group method on a straight-line basis with rates computed in accordance with depreciation studies approved by regulatory authorities. The weighted-average depreciation rate for NGD assets in service was approximately 3.0% for 2022, 2021 and 2020, reflecting the approximate weighted-average economic life of the property. This includes 2022 weighted-average depreciation rates for the following asset categories: 2.5% for transmission and distribution plant, 2.1% for gas storage facilities, 6.1% for general plant, and 6.7% for intangible and other fixed assets.

**AFUDC.** Certain additions to NGD plant include AFUDC, which represents the net cost of debt and equity funds used during construction. AFUDC is calculated using actual interest rates for debt and authorized rates for ROE, if applicable. If short-term debt balances are less than the total balance of construction work in progress, then a composite AFUDC rate is used to represent interest on all debt funds, shown as a reduction to interest charges, and on ROE funds, shown as other income. While cash is not immediately recognized from recording AFUDC, it is realized in future years through rate recovery resulting from the higher NGD cost of service. Our composite AFUDC rate was 2.8% in 2022, 0.7% in 2021, and 1.9% in 2020.

**IMPAIRMENT OF LONG-LIVED ASSETS.** We review the carrying value of long-lived assets whenever events or changes in circumstances indicate the carrying amount of the assets may not be recoverable. Factors that would necessitate an impairment assessment of long-lived assets include a significant adverse change in the extent or manner in which the asset is used, a significant adverse change in legal factors or business climate that could affect the value of the asset, or a significant decline in the observable market value or expected future cash flows of the asset, among others.

When such factors are present, we assess the recoverability by determining whether the carrying value of the asset will be recovered through expected future cash flows. An asset is determined to be impaired when the carrying value of the asset exceeds the expected undiscounted future cash flows from the use and eventual disposition of the asset. If an impairment is indicated, we record an impairment loss for the difference between the carrying value and the fair value of the long-lived assets. Fair value is estimated using appropriate valuation methodologies, which may include an estimate of discounted cash flows.

# Cash and Cash Equivalents

For purposes of reporting cash flows, cash and cash equivalents include cash on hand plus highly liquid investment accounts with original maturity dates of three months or less. At December 31, 2022, NW Holdings had outstanding checks of \$5.8 million, substantially all of which is recorded at NW Natural, and at December 31, 2021, NW Holdings had no outstanding checks. These balances are included in accounts payable in the NW Holdings and NW Natural balance sheets.

Restricted cash is primarily comprised of funds from public purpose charges for programs that assist low-income customers with bill payments or energy efficiency. These balances are included in other current assets in the NW Holdings and NW Natural balance sheets. There were no transfers between restricted cash and cash and cash equivalents during the years ended December 31, 2022 and 2021. Prior period amounts have been reclassified to conform prior period information to the current presentation.

The following table provides a reconciliation of the cash, cash equivalents and restricted cash balances at NW Holdings as of December 31, 2022 and 2021:

		Decem	ber 31,		
In thousands	:	2022		2021	
Cash and cash equivalents	\$	29,270	\$	18,559	
Restricted cash included in other current assets		11,694		8,561	
Cash, cash equivalents and restricted cash	\$	40,964	\$	27,120	

The following table provides a reconciliation of the cash, cash equivalents and restricted cash balances at NW Natural as of December 31, 2022 and 2021:

	December 31			
In thousands	2022		2021	
Cash and cash equivalents	\$ 12,977	\$	12,271	
Restricted cash included in other current assets	11,694		8,561	
Cash, cash equivalents and restricted cash	\$ 24,671	\$	20,832	

#### Revenue Recognition and Accrued Unbilled Revenue

Revenues, derived primarily from the sale and transportation of natural gas, are recognized upon delivery of gas or water, or service to customers. Revenues include accruals for gas or water delivered but not yet billed to customers based on estimates of deliveries from meter reading dates to month end (accrued unbilled revenue). Accrued unbilled revenue is dependent upon a number of factors that require management's judgment, including total natural gas receipts and deliveries, customer use of natural gas or water by billing cycle, and weather factors. Accrued unbilled revenue is reversed the following month when actual billings occur. NW Holdings' accrued unbilled revenue at December 31, 2022 and 2021 was \$89.0 million and \$82.2 million, respectively, substantially all of which is accrued unbilled revenue at NW Natural.

Revenues not related to NGD are derived primarily from Interstate Storage Services, asset management activities at the Mist gas storage facility, and other investments and business activities. At the Mist underground storage facility, revenues are primarily firm service revenues in the form of fixed monthly reservation charges. In addition, we also have asset management service revenue from an independent energy marketing company that optimizes commodity, storage, and pipeline capacity release transactions. Under this agreement, guaranteed asset management revenue is recognized using a straight-line, pro-rata methodology over the term of each contract. Revenues earned above the guaranteed amount are recognized as they are earned.

#### Revenue Taxes

Revenue-based taxes are primarily franchise taxes, which are collected from customers and remitted to taxing authorities. Revenue taxes are included in operating expenses in the statements of comprehensive income for NW Holdings and NW Natural. Revenue taxes at NW Holdings were \$41.8 million, \$34.7 million, and \$30.3 million for 2022, 2021, and 2020, respectively.

#### Accounts Receivable and Allowance for Uncollectible Accounts

Accounts receivable consist primarily of amounts due for natural gas sales and transportation services to NGD customers, plus amounts due for gas storage services. NW Holdings and NW Natural establish allowances for uncollectible accounts (allowance) for trade receivables, including accrued unbilled revenue, based on the aging of receivables, collection experience of past due account balances including payment plans, and historical trends of write-offs as a percent of revenues. A specific allowance is established and recorded for large individual customer receivables when amounts are identified as unlikely to be partially or fully recovered. Inactive accounts are written-off against the allowance after they are 120 days past due or when deemed uncollectible. Differences between the estimated allowance and actual write-offs will occur based on a number of factors, including changes in economic conditions, customer creditworthiness, and natural gas prices. The allowance for uncollectible accounts is adjusted quarterly, as necessary, based on information currently available.

ALLOWANCE FOR TRADE RECEIVABLES. The payment term of our NGD receivables is generally 15 days. For these short-term receivables, it is not expected that forecasted economic conditions would significantly affect the loss estimates under stable economic conditions. For extreme situations like a financial crisis, natural disaster, and the economic slowdown caused by the COVID-19 pandemic, we enhanced our review and analysis.

For the 2022 residential and commercial uncollectible provision, we primarily followed our standard methodology, which includes assessing historical write-off trends and current information on delinquent accounts. Beginning October 1, 2022, new collection rules from the OPUC applied to residential and commercial customers. This included enhanced protections for low-income customers, a return to pre-pandemic time payment arrangements terms, revised disconnection rules during the heating season, and other items. As a result of these Oregon rule changes and our recent collection process experience, we augmented our

provision review in the third and fourth quarter for Oregon accounts in the following categories: closed or inactive accounts aged less than 120 days, accounts on payment plans, and all other open accounts not on payment plans. For industrial accounts, we continue to assess the provision on an account-by-account basis with specific reserves taken as necessary. NW Natural will continue to closely monitor and evaluate our accounts receivable and the provision for uncollectible accounts.

The following table presents the activity related to the NW Holdings provision for uncollectible accounts by pool, substantially all of which is related to NW Natural's accounts receivable:

	As of [	December 31, 2021	Year ended Dece	31, 2022		ecember 31, 2022	
In thousands	Begin	ning Balance	sion recorded, f adjustments	Endir	ng Balance		
Allowance for uncollectible accounts:							
Residential	\$	1,460	\$ 1,974	\$	(1,062)	\$	2,372
Commercial		178	546		(324)		400
Industrial		67	186		(65)		188
Accrued unbilled and other		313	185		(162)		336
Total	\$	2,018	\$ 2,891	\$	(1,613)	\$	3,296

ALLOWANCE FOR NET INVESTMENTS IN SALES-TYPE LEASES. NW Natural currently holds two net investments in sales-type leases, with substantially all of the net investment balance related to the North Mist natural gas storage agreement with Portland General Electric (PGE) which is billed under an OPUC-approved rate schedule. See Note 7 for more information on the North Mist lease. Due to the nature of this service, PGE may recover the costs of the lease through general rate cases. Therefore, we expect the risk of loss due to the credit of this lessee to be remote. As such, no allowance for uncollectibility was recorded for our sales-type lease receivables. NW Natural will continue monitoring the credit health of the lessees and the overall economic environment, including the economic factors closely tied to the financial health of our current and future lessees.

#### **Inventories**

NGD gas inventories, which consist of natural gas in storage for NGD customers, are stated at the lower of weighted-average cost or net realizable value. The regulatory treatment of these inventories provides for cost recovery in customer rates. NGD gas inventories injected into storage are priced in inventory based on actual purchase costs, and those withdrawn from storage are charged to cost of gas during the period they are withdrawn at the weighted-average inventory cost.

Gas storage inventories mainly consist of natural gas received as fuel-in-kind from storage customers. Gas storage inventories are valued at the lower of average cost or net realizable value. Cushion gas is not included in inventory balances, is recorded at original cost, and is classified as a long-term plant asset.

Materials and supplies inventories consist of inventories both related to and unrelated to NGD and are stated at the lower of average cost or net realizable value.

NW Natural's NGD and gas storage inventories totaled \$61.9 million and \$37.4 million at December 31, 2022 and 2021, respectively. At December 31, 2022 and 2021, NW Holdings' materials and supplies inventories, which are comprised primarily of NW Natural's materials and supplies, totaled \$23.5 million and \$19.9 million, respectively.

During 2022 and 2021, NW Natural entered into certain agreements to purchase renewable thermal certificates (RTCs). RTCs are initially recorded at cost and subsequently assessed for impairment based on the lower-of-cost or market model. NW Natural's RTCs inventory totaled \$1.7 million at December 31, 2022, and all RTCs purchased during 2021 were retired or used on customers behalf prior to December 31, 2021.

# Gas Reserves

Gas reserves are payments to acquire and produce natural gas reserves. Gas reserves are stated at cost, adjusted for regulatory amortization, with the associated deferred tax benefits recorded as liabilities on the balance sheet. The current portion is calculated based on expected gas deliveries within the next fiscal year. NW Natural recognizes regulatory amortization of this asset on a volumetric basis calculated using the estimated gas reserves and the estimated therms extracted and sold each month. The amortization of gas reserves is recorded to cost of gas along with gas production revenues and production costs. See Note 13.

# **Derivatives**

NW Natural's derivatives are measured at fair value and recognized as either assets or liabilities on the balance sheet. Changes in the fair value of the derivatives are recognized in earnings unless specific regulatory or hedge accounting criteria are met. Accounting for derivatives and hedges provides an exception for contracts intended for normal purchases and normal sales for which physical delivery is probable. In addition, certain derivative contracts are approved by regulatory authorities for recovery or refund through customer rates. Accordingly, the changes in fair value of these approved contracts are deferred as regulatory

assets or liabilities pursuant to regulatory accounting principles. NW Natural's financial derivatives generally qualify for deferral under regulatory accounting. NW Natural's index-priced physical derivative contracts also qualify for regulatory deferral accounting treatment.

Derivative contracts entered into for NGD requirements after the annual PGA rate has been set and maturing during the PGA year are subject to the PGA incentive sharing mechanism. In Oregon, NW Natural participates in a PGA sharing mechanism under which it is required to select either an 80% or 90% deferral of higher or lower gas costs such that the impact on current earnings from the gas cost sharing is either 20% or 10% of gas cost differences compared to PGA prices, respectively. For each of the PGA years in Oregon beginning November 1, 2022, 2021, and 2020, NW Natural selected the 90% deferral of gas cost differences. In Washington, 100% of the differences between the PGA prices and actual gas costs are deferred. See Note 15.

NW Holdings and NW Natural have financial derivative policies that set forth guidelines for using selected derivative products to support prudent risk management strategies within designated parameters. NW Natural's objective for using derivatives is to decrease the volatility of gas prices and cash flows without speculative risk. The use of derivatives is permitted only after the risk exposures have been identified, are determined to exceed acceptable tolerance levels, and are determined necessary to support normal business activities. NW Natural does not enter into derivative instruments for trading purposes. All commodity and foreign exchange derivatives are currently held at NW Natural, and interest rate swaps are held at NW Holdings and NWN Water.

#### Fair Value

In accordance with fair value accounting, we use the following fair value hierarchy for determining inputs for our debt, pension plan assets, and derivative fair value measurements:

- · Level 1: Valuation is based on quoted prices for identical instruments traded in active markets;
- Level 2: Valuation is based on quoted prices for similar instruments in active markets, quoted prices for identical or similar instruments in markets that are not active, and model-based valuation techniques for which all significant assumptions are observable in the market; and
- Level 3: Valuation is generated from model-based techniques that use significant assumptions not observable in the market. These unobservable assumptions reflect our own estimates of assumptions market participants would use in valuing the asset or liability.

In addition, the fair value for certain pension trust investments is determined using Net Asset Value per share (NAV) as a practical expedient, and therefore they are not classified within the fair value hierarchy. These investments primarily consist of institutional investment products.

When developing fair value measurements, it is our policy to use quoted market prices whenever available or to maximize the use of observable inputs and minimize the use of unobservable inputs when quoted market prices are not available. Fair values are primarily developed using industry-standard models that consider various inputs including: (a) quoted future prices for commodities; (b) forward currency prices; (c) time value; (d) volatility factors; (e) current market and contractual prices for underlying instruments; (f) market interest rates and yield curves; (g) credit spreads; and (h) other relevant economic measures. NW Natural considers liquid points for natural gas hedging to be those points for which there are regularly published prices in a nationally recognized publication or where the instruments are traded on an exchange.

# Goodwill and Business Combinations

NW Holdings, through its wholly-owned subsidiary NWN Water and NWN Water's wholly-owned subsidiaries, has completed various acquisitions that resulted in the recognition of goodwill. Goodwill is measured as the excess of the acquisition-date fair value of the consideration transferred over the acquisition-date fair value of the net identifiable assets assumed. Adjustments are recorded during the measurement period to finalize the allocation of the purchase price. The carrying value of goodwill is reviewed annually during the fourth quarter, or whenever events or changes in circumstance indicate that such carrying values may not be recoverable. The goodwill assessment policy begins with a qualitative analysis in which events and circumstances are evaluated, including macroeconomic conditions, industry and market conditions, regulatory environments, and overall financial performance of the reporting unit. If the qualitative assessment indicates that the carrying value may be at risk of recoverability, a quantitative evaluation is performed to measure the carrying value of the goodwill against the fair value of the reporting unit. The reporting unit is determined primarily based on current operating segments and the level of review provided by the Chief Operating Decision Maker (CODM) and/or segment management on the operating segment's financial results. Reporting units are evaluated periodically for changes in the corporate environment.

As of December 31, 2022 and 2021, NW Holdings had goodwill of \$149.3 million and \$70.6 million, respectively. All of NW Holdings' goodwill was acquired through the business combinations completed by NWN Water and its wholly-owned subsidiaries. No impairment charges were recorded as a result of the fourth quarter goodwill impairment assessment.

Business combinations are accounted for using the acquisition method. The cost of an acquisition is measured as the aggregate of the consideration transferred, measured at fair value at the acquisition date, and the fair value of any non-controlling interest in the acquiree. Acquisition-related costs are expensed as incurred. When NW Natural acquires a business, it assesses the financial assets acquired and liabilities assumed for appropriate classification and designation in accordance with the contractual terms, economic circumstances and pertinent conditions as of the acquisition date. When there is substantial judgment or

uncertainty around the fair value of acquired assets, we may engage a third party expert to assist in determining the fair values of certain assets or liabilities.

#### Income Taxes

We account for income taxes under the asset and liability method, which requires the recognition of deferred tax assets and liabilities for the expected future tax consequences of events that have been included in the financial statements. Under this method, deferred tax assets and liabilities are determined on the basis of the differences between the financial statement and tax basis of assets and liabilities using enacted tax rates in effect for the year in which the differences are expected to reverse. The effect of a change in tax rates on deferred tax assets and liabilities is recognized in income in the enactment date period unless, for NW Natural, a regulatory order specifies deferral of the effect of the change in tax rates over a longer period of time.

For NW Natural, deferred income tax assets and liabilities are also recognized for temporary differences where the deferred income tax benefits or expenses have previously been flowed through in the ratemaking process of the NGD business. Regulatory tax assets and liabilities are recorded on these deferred tax assets and liabilities to the extent it is believed they will be recoverable from or refunded to customers in future rates.

Investment tax credits associated with rate regulated plant additions are deferred for financial statement purposes and amortized over the estimated useful lives of the related plant.

NW Holdings files consolidated or combined income tax returns that include NW Natural. Income tax expense is allocated on a separate company basis incorporating certain consolidated return considerations. Subsidiary income taxes payable or receivable are generally settled with NW Holdings, the common agent for income tax matters.

Interest and penalties related to unrecognized tax benefits, if any, are recognized within income tax expense and accrued interest and penalties are recognized within the related tax liability line in the consolidated balance sheets. No accrued interest or penalties for uncertain tax benefits have been recorded. See Note 11.

#### Environmental Contingencies

Loss contingencies are recorded as liabilities when it is probable a liability has been incurred and the amount of the loss is reasonably estimable in accordance with accounting standards for contingencies. Estimating probable losses requires an analysis of uncertainties that often depend upon judgments about potential actions by third parties. Accruals for loss contingencies are recorded based on an analysis of potential results.

With respect to environmental liabilities and related costs, estimates are developed based on a review of information available from numerous sources, including completed studies and site specific negotiations. NW Natural's policy is to accrue the full amount of such liability when information is sufficient to reasonably estimate the amount of probable liability. When information is not available to reasonably estimate the probable liability, or when only the range of probable liabilities can be estimated and no amount within the range is more likely than another, it is our policy to accrue at the low end of the range. Accordingly, due to numerous uncertainties surrounding the course of environmental remediation and the preliminary nature of several site investigations, in some cases, it may not be possible to reasonably estimate the high end of the range of possible loss. In those cases, the nature of the potential loss and the fact that the high end of the range cannot be reasonably estimated is disclosed. See Note 17.

#### Unconsolidated Affiliates

NW Holdings, NW Natural and NWN Water have equity interests in businesses which we account for under the equity method as we do not exercise control of the major operating and financial policies. The carrying value of these investments was \$23.4 million and \$14.5 million as of December 31, 2022 and 2021, respectively. The business transactions with our equity method investments are not significant. We regularly assesses the profitability and valuation of our investments for any potential impairment. See Note 13.

#### **Cloud Computing Arrangements**

Implementation costs associated with its cloud computing arrangements are capitalized consistent with costs capitalized for internal-use software. Capitalized implementation costs are included in other assets in the consolidated balance sheets. The implementation costs are amortized over the term of the related hosting agreement, including renewal periods that are reasonably certain to be exercised. Amortization expense of implementation costs are recorded as operations and maintenance expenses in the consolidated statements of comprehensive income. The implementation costs are included within operating activities in the consolidated statements of cash flows.

# Subsequent Events

We monitor significant events occurring after the balance sheet date and prior to the issuance of the financial statements to determine the impacts, if any, of events on the financial statements to be issued.

# 3. EARNINGS PER SHARE

Basic earnings or loss per share are computed using NW Holdings' net income or loss and the weighted average number of common shares outstanding for each period presented. Diluted earnings per share are computed in the same manner, except using the weighted average number of common shares outstanding plus the effects of the assumed exercise of stock options and the payment of estimated stock awards from other stock-based compensation plans that are outstanding at the end of each period presented. Anti-dilutive stock awards are excluded from the calculation of diluted earnings or loss per common share.

NW Holdings' diluted earnings or loss per share are calculated as follows:

In thousands, except per share data	2022	2021	2020
Net income from continuing operations	\$ 86,303	\$ 78,666	\$ 70,273
Income from discontinued operations, net of tax	 _	 _	 6,508
Net income	\$ 86,303	\$ 78,666	\$ 76,781
Average common shares outstanding - basic	33,934	30,702	30,541
Additional shares for stock-based compensation plans (See Note 8)	50	50	58
Average common shares outstanding - diluted	33,984	 30,752	 30,599
Earnings from continuing operations per share of common stock:			
Basic	\$ 2.54	\$ 2.56	\$ 2.30
Diluted	2.54	2.56	2.30
Earnings from discontinued operations per share of common stock:			
Basic	\$ —	\$ —	\$ 0.21
Diluted	—	—	0.21
Earnings per share of common stock:			
Basic	\$ 2.54	\$ 2.56	\$ 2.51
Diluted	2.54	2.56	2.51
Additional information:			
Anti-dilutive shares	2	7	1

# 4. SEGMENT INFORMATION

We primarily operate in one reportable business segment, which is NW Natural's local gas distribution business and is referred to as the NGD segment. NW Natural and NW Holdings also have investments and business activities not specifically related to the NGD segment, which are aggregated and reported as other and described below for each entity.

No individual customer accounts for over 10% of NW Holdings' or NW Natural's operating revenues.

# **Natural Gas Distribution**

NW Natural's local gas distribution segment (NGD) is a regulated utility principally engaged in the purchase, sale, and delivery of natural gas and related services to customers in Oregon and southwest Washington. The NGD business is responsible for building and maintaining a safe and reliable pipeline distribution system, purchasing sufficient gas supplies from producers and marketers, contracting for firm and interruptible transportation of gas over interstate pipelines to bring gas from the supply basins into its service territory, and re-selling the gas to customers subject to rates, terms, and conditions approved by the OPUC or WUTC. NGD also includes taking customer-owned gas and transporting it from interstate pipeline connections, or city gates, to the customers' end-use facilities for a fee, which is approved by the OPUC or WUTC. Approximately 88% of NGD customers are located in Oregon and 12% in Washington. On an annual basis, residential and commercial customers typically account for around 60% of total NGD volumes delivered and around 90% of NGD margin. Industrial customers largely account for the remaining volumes and NGD margin. A small amount of the margin is also derived from miscellaneous services, gains or losses from an incentive gas cost sharing mechanism, and other service fees.

Industrial sectors served by the NGD business include: pulp, paper, and other forest products; the manufacture of electronic, electrochemical and electrometallurgical products; the processing of farm and food products; the production of various mineral products; metal fabrication and casting; the production of machine tools, machinery, and textiles; the manufacture of asphalt, concrete, and rubber; printing and publishing; nurseries; and government and educational institutions.

In addition to NW Natural's local gas distribution business, the NGD segment also includes the portion of the Mist underground storage facility used to serve NGD customers, the North Mist gas storage expansion in Oregon, NWN Gas Reserves, which is a wholly-owned subsidiary of Energy Corp, and NW Natural RNG Holding Company, LLC, a holding company established to invest in the development and procurement of regulated renewable natural gas for NW Natural.

# NW Natural

NW Natural's activities in Other include Interstate Storage Services and third-party asset management services for the Mist facility in Oregon, appliance retail center operations, and corporate operating and non-operating revenues and expenses that cannot be allocated to NGD operations.

Earnings from Interstate Storage Services assets are primarily related to firm storage capacity revenues. Earnings from the Mist facility also include revenue, net of amounts shared with NGD customers, from management of NGD assets at Mist and upstream pipeline capacity when not needed to serve NGD customers. Under the Oregon sharing mechanism, NW Natural retains 80% of the pre-tax income from these services when the costs of the capacity were not included in NGD rates, or 10% of the pre-tax income when the costs have been included in these rates. The remaining 20% and 90%, respectively, are recorded to a deferred regulatory account for crediting back to NGD customers.

### **NW Holdings**

NW Holdings' activities in Other include all remaining activities not associated with NW Natural, specifically NWN Water, which consolidates the water and wastewater utility operations and is pursuing other investments in the water and wastewater sector through itself and wholly-owned subsidiaries; NWN Water's equity investment in Avion Water Company, Inc.; NWN Gas Storage, a wholly-owned subsidiary of NWN Energy; NWN Energy's equity investment in Trail West Holdings, LLC (TWH) through August 6, 2020; other pipeline assets in NNG Financial; and NW Natural Renewables Holdings, LLC and its non-regulated renewable natural gas activities. For more information on the sale of TWH, see Note 13. Other also includes corporate revenues and expenses that cannot be allocated to other operations, including certain business development activities.

#### Segment Information Summary

Inter-segment transactions were immaterial for the periods presented. The following table presents summary financial information concerning the reportable segment and other for continuing operations. See Note 18 for information regarding discontinued operations for NW Holdings.

In thousands	NGD	(N)	Other W Natural)		NW Natural	(N	Other N Holdings)	Ν	IW Holdings
2022									
Operating revenues	\$ 989,752	\$	24,587	\$	1,014,339	\$	23,014	\$	1,037,353
Depreciation	111,871		1,086		112,957		3,750		116,707
Income (loss) from operations	152,839		16,535		169,374		(1,897)		167,477
Net income (loss) from continuing operations	79,690		11,874		91,564		(5,261)		86,303
Capital expenditures	315,979		2,707		318,686		19,916		338,602
Total assets at December 31, 2022	4,392,699		60,019		4,452,718		295,608		4,748,326
2021									
Operating revenues	\$ 816,887	\$	26,170	\$	843,057	\$	17,343	\$	860,400
Depreciation	109,475		1,029		110,504		3,030		113,534
Income (loss) from operations	147,902		17,331		165,233		(2,116)		163,117
Net income (loss) from continuing operations	68,988		12,184		81,172		(2,506)		78,666
Capital expenditures	275,267		2,970		278,237		15,655		293,892
Total assets at December 31, 2021	3,846,112		52,260		3,898,372		166,232		4,064,604
2020									
Operating revenues	\$ 741,072	\$	17,676	\$	758,748	\$	14,931	\$	773,679
Depreciation	100,591		995		101,586		2,097		103,683
Income (loss) from operations	137,724		9,916		147,640		711		148,351
Net income (loss) from continuing operations	63,555		7,008		70,563		(290)		70,273
Capital expenditures	263,777		2,271		266,048		6,968		273,016
Total assets at December 31, 2020	3,549,868		49,468		3,599,336		157,043		3,756,379

# **Natural Gas Distribution Margin**

NGD margin is the primary financial measure used by the CODM, consisting of NGD operating revenues, reduced by the associated cost of gas, environmental remediation expense, and revenue taxes. The cost of gas purchased for NGD customers is generally a pass-through cost in the amount of revenues billed to regulated NGD customers. Environmental remediation expense represents collections received from customers through environmental recovery mechanisms in Oregon and Washington as well as adjustments for the Oregon environmental earnings test when applicable. This is offset by environmental remediation expense presented in operating expenses. Revenue taxes are collected from NGD customers and remitted to taxing authorities. The collections from customers are offset by the expense recognition of the obligation to the taxing authority. By subtracting cost of gas, environmental remediation expense, and revenue taxes from NGD operating revenues, NGD margin provides a key metric used by the CODM in assessing the performance of the NGD segment.

The following table presents additional segment information concerning NGD margin:

	0				
In thousands		2022		2021	2020
NGD margin calculation:					
NGD operating revenues	\$	970,124	\$	797,800	\$ 721,950
Other regulated services		19,628		19,087	19,122
Total NGD operating revenues		989,752		816,887	741,072
Less: NGD cost of gas		429,861		292,538	262,980
Environmental remediation expense		12,389		9,938	9,691
Revenue taxes		41,627		34,600	30,291
NGD margin	\$	505,875	\$	479,811	\$ 438,110
			_		

# 5. COMMON STOCK

As of December 31, 2022 and 2021, NW Holdings had 100 million shares of common stock authorized. As of December 31, 2022, NW Holdings had 319,777 shares reserved for issuance of common stock under the Employee Stock Purchase Plan (ESPP) and 394,102 shares reserved for issuance under the Dividend Reinvestment and Direct Stock Purchase Plan (DRPP). At NW Holdings' election, shares sold through the DRPP may be purchased in the open market or through original issuance of shares reserved for issuance under the DRPP.

In August 2021, NW Holdings initiated an at-the-market (ATM) equity program by entering into an equity distribution agreement under which NW Holdings may issue and sell from time to time shares of common stock, no par value, having an aggregate gross sales price of up to \$200 million. NW Holdings is under no obligation to offer and sell common stock under the ATM equity program, which expires in August 2024. Any shares of common stock offered under the ATM equity program are registered on NW Holdings' universal shelf registration statement filed with the SEC. During the year ended December 31, 2022, NW Holdings issued and sold 1,381,728 shares of common stock pursuant to the ATM equity program resulting in cash proceeds of \$69.7 million, net of fees and commissions paid to agents of \$1.4 million. As of December 31, 2022, NW Holdings had \$111.1 million of equity available for issuance under the program. The ATM equity program was initiated to raise funds for general corporate purposes, including equity contributions to NW Holdings' subsidiaries, NW Natural and NW Natural Water. Contributions to NW Natural and NW Natural Water will be used for general corporate purposes.

On April 1, 2022, NW Holdings issued and sold 2,875,000 shares of its common stock pursuant to a registration statement on Form S-3 and related prospectus settlement. NW Holdings received net offering proceeds, after deducting the underwriter's discounts and commissions and estimated expenses payable by NW Holdings, of approximately \$138.6 million. The proceeds are to be used for general corporate purposes, including repayment of its short-term indebtedness and/or making equity contributions to NW Holdings' subsidiaries, NW Natural, NW Natural Water and NW Natural Renewables. Contributions to NW Natural, NW Natural, NW Natural Water and NW Natural Water and NW Natural, Source purposes. Of the contributions received by NW Natural, \$130.0 million was used to repay its short-term indebtedness.

# Stock Repurchase Program

NW Holdings has a share repurchase program under which it may purchase its common shares on the open market or through privately negotiated transactions. NW Holdings currently has Board authorization to repurchase up to an aggregate of the greater of 2.8 million shares or \$100 million. No shares of common stock were repurchased pursuant to this program during the year ended December 31, 2022. Since the plan's inception in 2000 under NW Natural, a total of 2.1 million shares have been repurchased at a total cost of \$83.3 million.

The following table summarizes the changes in the number of shares of NW Holdings' common stock issued and outstanding:

In thousands	Shares
Balance, December 31, 2019	30,472
Sales to employees under ESPP	3
Stock-based compensation	46
Sales to shareholders under DRPP	68
Balance, December 31, 2020	30,589
Sales to employees under ESPP	48
Stock-based compensation	49
Equity issuance	376
Sales to shareholders under DRPP	67
Balance, December 31, 2021	31,129
Sales to employees under ESPP	36
Stock-based compensation	42
Equity issuance	4,257
Sales to shareholders under DRPP	61
Balance, December 31, 2022	35,525

# 6. REVENUE

The following table presents disaggregated revenue from continuing operations:

	Year ended December 31, 2022										
In thousands		NGD	(N	Other W Natural)	1	NW Natural	(N)	Other N Holdings)	N	W Holdings	
Natural gas sales	\$	989,654	\$	_	\$	989,654	\$	_	\$	989,654	
Gas storage revenue, net		—		11,792		11,792		—		11,792	
Asset management revenue, net		—		6,965		6,965		—		6,965	
Appliance retail center revenue		—		5,830		5,830		—		5,830	
Other revenue		2,510		_		2,510		23,014		25,524	
Revenue from contracts with customers		992,164		24,587		1,016,751		23,014		1,039,765	
Alternative revenue		(19,605)		—		(19,605)		—		(19,605)	
Leasing revenue		17,193		_		17,193		_		17,193	
Total operating revenues	\$	989,752	\$	24,587	\$	1,014,339	\$	23,014	\$	1,037,353	

	Year ended December 31, 2021									
In thousands		NGD	(N	Other W Natural)	N	IW Natural	(N\	Other N Holdings)	NV	V Holdings
Natural gas sales	\$	783,027	\$	—	\$	783,027	\$	—	\$	783,027
Gas storage revenue, net		—		10,830		10,830		—		10,830
Asset management revenue, net		—		9,387		9,387		—		9,387
Appliance retail center revenue		—		5,953		5,953		—		5,953
Other revenue		1,615		_		1,615		17,343		18,958
Revenue from contracts with customers		784,642		26,170		810,812		17,343		828,155
Alternative revenue		14,694		—		14,694		—		14,694
Leasing revenue		17,551		_		17,551				17,551
Total operating revenues	\$	816,887	\$	26,170	\$	843,057	\$	17,343	\$	860,400

	Year ended December 31, 2020										
In thousands	NGD	(N	Other IW Natural)	N	W Natural	(N\	Other N Holdings)	N۷	V Holdings		
Natural gas sales	\$ 710,422	\$	_	\$	710,422	\$	_	\$	710,422		
Gas storage revenue, net	_		9,759		9,759		—		9,759		
Asset management revenue, net	_		2,532		2,532		_		2,532		
Appliance retail center revenue	_		5,385		5,385		_		5,385		
Other revenue	1,337		_		1,337		14,931		16,268		
Revenue from contracts with customers	 711,759		17,676		729,435		14,931		744,366		
Alternative revenue	10,870		_		10,870		_		10,870		
Leasing revenue	18,443		_		18,443		_		18,443		
Total operating revenues	\$ 741,072	\$	17,676	\$	758,748	\$	14,931	\$	773,679		

NW Natural's revenue represents substantially all of NW Holdings' revenue and is recognized for both registrants when the obligation to customers is satisfied and in the amount expected to be received in exchange for transferring goods or providing services. Revenue from contracts with customers contains one performance obligation that is generally satisfied over time, using the output method based on time elapsed, due to the continuous nature of the service provided. The transaction price is determined by a set price agreed upon in the contract or dependent on regulatory tariffs. Customer accounts are settled on a monthly basis or paid at time of sale and based on historical experience. It is probable that we will collect substantially all of the consideration to which we are entitled. We evaluated the probability of collection in accordance with the current expected credit losses standard.

NW Holdings and NW Natural do not have any material contract assets, as net accounts receivable and accrued unbilled revenue balances are unconditional and only involve the passage of time until such balances are billed and collected. NW Holdings and NW Natural do not have any material contract liabilities.

Revenue taxes are included in operating revenues with an equal and offsetting expense recognized in operating expenses in the consolidated statements of comprehensive income. Revenue-based taxes are primarily franchise taxes, which are collected from NGD customers and remitted to taxing authorities.

#### **Natural Gas Distribution**

#### Natural Gas Sales

NW Natural's primary source of revenue is providing natural gas to customers in the NGD service territory, which includes residential, commercial, industrial and transportation customers. NGD revenue is generally recognized over time upon delivery of the gas commodity or service to the customer, and the amount of consideration received and recognized as revenue is dependent on the Oregon and Washington tariffs. Customer accounts are to be paid in full each month, and there is no right of return or warranty for services provided. Revenues include firm and interruptible sales and transportation services, franchise taxes recovered from the customer, late payment fees, service fees, and accruals for gas delivered but not yet billed (accrued unbilled revenue). The accrued unbilled revenue balance is based on estimates of deliveries during the period from the last meter reading and management judgment is required for a number of factors used in this calculation, including customer use and weather factors.

We applied the significant financing practical expedient and have not adjusted the consideration NW Natural expects to receive from NGD customers for the effects of a significant financing component as all payment arrangements are settled annually. Due to the election of the right to invoice practical expedient, we do not disclose the value of unsatisfied performance obligations.

#### Alternative Revenue

Weather normalization (WARM) and decoupling mechanisms are considered to be alternative revenue programs. Alternative revenue programs are considered to be contracts between NW Natural and its regulator and are excluded from revenue from contracts with customers.

#### Leasing Revenue

Leasing revenue primarily consists of revenues from NW Natural's North Mist Storage contract with Portland General Electric (PGE) in support of PGE's gas-fired electric power generation facilities under an initial 30-year contract with options to extend, totaling up to an additional 50 years upon mutual agreement of the parties. The facility is accounted for as a sales-type lease with regulatory accounting deferral treatment. The investment is included in rate base under an established cost-of-service tariff schedule, with revenues recognized according to the tariff schedule and as such, profit upon commencement was deferred and will be amortized over the lease term. Leasing revenue also contains rental revenue from small leases of property owned by NW Natural to third parties. The majority of these transactions are accounted for as operating leases and the revenue is recognized over the term of the lease agreement. Lease revenue is excluded from revenue from contracts with customers. See Note 7 for additional information.

# NW Natural Other

#### Gas Storage Revenue

NW Natural's other revenue includes gas storage activity, which includes Interstate Storage Services used to store natural gas for customers. Gas storage revenue is generally recognized over time as the gas storage service is provided to the customer and the amount of consideration received and recognized as revenue is dependent on set rates defined per the storage agreements. Noncash consideration in the form of dekatherms of natural gas is received as consideration for providing gas injection services to gas storage customers. This noncash consideration is measured at fair value using the average spot rate. Customer accounts are generally paid in full each month, and there is no right of return or warranty for services provided. Revenues include firm and interruptible storage services, net of the profit sharing amount refunded to NGD customers.

#### Asset Management Revenue

Revenues include the optimization of storage assets and pipeline capacity and are provided net of the profit sharing amount refunded to NGD customers. Certain asset management revenues received are recognized over time using a straight-line approach over the term of each contract, and the amount of consideration received and recognized as revenue is dependent on a variable pricing model. Variable revenues earned above guaranteed amounts are estimated and recognized at the end of each period using the most likely amount approach. Additionally, other asset management revenues may be based on a fixed rate. Generally, asset management accounts are settled on a monthly basis.

As of December 31, 2022, unrecognized revenue for the fixed component of the transaction price related to gas storage and asset management revenue was approximately \$81.4 million. Of this amount, approximately \$20.3 million will be recognized in 2023, \$16.2 million in 2024, \$13.5 million in 2025, \$9.4 million in 2026, and \$22.0 million thereafter. The amounts presented here are calculated using current contracted rates.

#### Appliance Retail Center Revenue

NW Natural owns and operates an appliance store that is open to the public, where customers can purchase natural gas home appliances. Revenue from the sale of appliances is recognized at the point in time in which the appliance is transferred to the third party responsible for delivery and installation services and when the customer has legal title to the appliance. It is required that the sale be paid for in full prior to transfer of legal title. The amount of consideration received and recognized as revenue varies with changes in marketing incentives and discounts offered to customers.

#### **NW Holdings Other**

NW Holdings' primary source of other revenue is providing water and wastewater services to customers. Water and wastewater service revenue is generally recognized over time upon delivery of the water commodity or service to the customer, and the amount of consideration received and recognized as revenue is dependent on the tariffs established in the state we operate. Customer accounts are to be paid in full each month, and there is no right of return or warranty for services provided.

We applied the significant financing practical expedient and have not adjusted the consideration we expect to receive from water distribution and wastewater collection customers for the effects of a significant financing component as all payment arrangements are settled annually. Due to the election of the right to invoice practical expedient, we do not disclose the value of unsatisfied performance obligations.

# 7. LEASES

# Lease Revenue

Leasing revenue primarily consists of NW Natural's North Mist natural gas storage agreement with PGE which is billed under an OPUC-approved rate schedule and includes an initial 30-year term beginning May 2019 with options to extend, totaling up to an additional 50 years upon mutual agreement of the parties. Under U.S. GAAP, this agreement is classified as a sales-type lease and qualifies for regulatory accounting deferral treatment. The investment in the storage facility is included in rate base under a separately established cost-of-service tariff, with revenues recognized according to the tariff schedule. As such, the selling profit that was calculated upon commencement as part of the sale-type lease recognition was deferred and will be amortized over the lease term. Billing rates under the cost-of-service tariff will be updated annually to reflect current information including depreciable asset levels, forecasted operating expenses, and the results of regulatory proceedings, as applicable, and revenue received under this agreement is recognized as operating revenue on the consolidated statements of comprehensive income. There are no variable payments or residual value guarantees. The lease does not contain an option to purchase the underlying assets.

NW Natural also maintains a sales-type lease for specialized compressor facilities to provide high pressure compressed natural gas (CNG) services. Lease payments are outlined in an OPUC-approved rate schedule over a 10-year term. There are no variable payments or residual value guarantees. The selling profit computed upon lease commencement was not significant.

Our lessor portfolio also contains small leases of property owned by NW Natural to third parties. These transactions are accounted for as operating leases and the revenue is recognized over the term of the lease agreement.

The components of lease revenue at NW Natural were as follows:

		Year ended December 31,									
In thousands	2022 2021 2020										
Lease revenue											
Operating leases	\$	74	\$	80	\$	88					
Sales-type leases		17,119		17,471		18,355					
Total lease revenue	\$	17,193	\$	17,551	\$	18,443					

Additionally, lease revenue of \$0.6 million, \$0.5 million and \$0.5 million was recognized for each of the years ended December 31, 2022, 2021, and 2020, respectively, related to operating leases associated with non-utility property rentals. Lease revenue related to these leases was presented in other income (expense), net on the consolidated statements of comprehensive income as it is non-operating income.

Total future minimum lease payments to be received under non-cancelable leases at December 31, 2022 are as follows:

NW Natural: 2023 \$	621 612	\$ 16,557	¢	
2023 \$		\$ 16,557	<b>^</b>	
	612		\$	17,178
2024	012	15,867		16,479
2025	603	15,306		15,909
2026	36	14,901		14,937
2027	22	14,521		14,543
Thereafter	—	222,299		222,299
Total minimum lease payments \$	1,894	\$ 299,451	\$	301,345
Less: imputed interest		165,272		
Total leases receivable		\$ 134,179		
Other NW Holdings:			•	
2023 \$	51	\$ —	\$	51
2024	52	—		52
2025	53	—		53
2026	56	—		56
2027	57	—		57
Thereafter	857	—		857
Total minimum lease payments \$	1,126	\$ —	\$	1,126
NW Holdings:				
2023 \$	672	\$ 16,557	\$	17,229
2024	664	15,867		16,531
2025	656	15,306		15,962
2026	92	14,901		14,993
2027	79	14,521		14,600
Thereafter	857	222,299		223,156
Total minimum lease payments \$	3,020	\$ 299,451	\$	302,471
Less: imputed interest		165,272		
Total leases receivable		\$ 134,179		

The total leases receivable above is reported under the NGD segment and the short- and long-term portions are included within other current assets and assets under sales-type leases on the consolidated balance sheets, respectively. The total amount of unguaranteed residual assets was \$5.1 million and \$4.7 million at December 31, 2022 and 2021, respectively, and is included in assets under sales-type leases on the consolidated balance sheets. Additionally, under regulatory accounting, the revenues and expenses associated with these agreements are presented on the consolidated statements of comprehensive income such that their presentation aligns with similar regulated activities at NW Natural.

#### Lease Expense

#### **Operating Leases**

We have operating leases for land, buildings and equipment. Our primary lease is for NW Natural's headquarters and operations center. Our leases have remaining lease terms of nine months to 17 years. Many of our lease agreements include options to

extend the lease, which we do not include in our minimum lease terms unless they are reasonably certain to be exercised. Short-term leases with a term of 12 months or less are not recorded on the balance sheet.

As most of our leases do not provide an implicit rate and are entered into by NW Natural, we use an estimated discount rate representing the rate we would have incurred to finance the funds necessary to purchase the leased asset and is based on information available at the lease commencement date in determining the present value of lease payments.

The components of lease expense, a portion of which is capitalized, were as follows:

	Year ended December 31, 2022								
In thousands	Other NW Natural (NW Holdings)					NW Holdings			
Operating lease expense	\$	7,003	\$	31	\$	7,034			
Short-term lease expense		880		_		880			
	Year ended December 31, 2021								
In thousands		NW Natural	Other (NW Holdings)			NW Holdings			
Operating lease expense	\$	6,859	\$	58	\$	6,917			
Short-term lease expense		1,220		_		1,220			
	Year ended December 31, 2020								
In thousands		NW Natural		Other (NW Holdings)		NW Holdings			
Operating lease expense	\$	4,381	\$	125	\$	4,506			
Short-term lease expense		1,010		—		1,010			

Supplemental balance sheet information related to operating leases as of December 31, 2022 is as follows:

In thousands	NW Natural			Other (NW Holdings)	NW Holdings
Operating lease right of use assets	\$	72,720	\$	709	\$ 73,429
Operating lease liabilities - current liabilities	\$	1,363	\$	151	\$ 1,514
Operating lease liabilities - non-current liabilities		78,345		620	78,965
Total operating lease liabilities	\$	79,708	\$	771	\$ 80,479

Supplemental balance sheet information related to operating leases as of December 31, 2021 is as follows:

In thousands	NW Natural			Other (NW Holdings)	NW Holdings		
Operating lease right of use assets	\$	74,987	\$	62	\$ 75,049		
Operating lease liabilities - current liabilities	\$	1,273	\$	23	\$ 1,296		
Operating lease liabilities - non-current liabilities		79,431		37	 79,468		
Total operating lease liabilities	\$	80,704	\$	60	\$ 80,764		

The weighted-average remaining lease terms and weighted-average discount rates for the operating leases at NW Natural were as follows:

	2022	2021
Weighted-average remaining lease term (years)	17.2	18.2
Weighted-average discount rate	7.3 %	7.2 %

#### Headquarters and Operations Center Lease

NW Natural commenced a 20-year operating lease agreement in March 2020 for a new headquarters and operations center in Portland, Oregon. There is an option to extend the term of the lease for two additional periods of seven years. There is a material timing difference between the minimum lease payments and expense recognition as calculated under operating lease accounting rules. OPUC issued an order allowing us to align our expense recognition with cash payments for ratemaking purposes. We recorded the difference between the minimum lease payments and the aggregate of the imputed interest on the finance lease

obligation and amortization of the right-of-use asset as a regulatory asset on our balance sheet. The balance of the regulatory asset was \$6.9 million and \$5.7 million as of December 31, 2022 and 2021, respectively. Maturities of operating lease liabilities at December 31, 2022 were as follows:

In thousands	NW Natural	Other (NW Holdings)	NW Holdings
2023	\$ 7,169	\$ 195	\$ 7,364
2024	7,299	196	7,495
2025	7,185	184	7,369
2026	7,353	140	7,493
2027	7,530	107	7,637
Thereafter	 108,901	 12	 108,913
Total lease payments	145,437	834	 146,271
Less: imputed interest	 65,729	 63	 65,792
Total lease obligations	79,708	771	 80,479
Less: current obligations	 1,363	 151	 1,514
Long-term lease obligations	\$ 78,345	\$ 620	\$ 78,965

As of December 31, 2022, there were no finance lease liabilities at NW Natural.

#### Cash Flow Information

Supplemental cash flow information related to leases was as follows:

	Year ended Decem					22	
In thousands		NW Natural	(N	Other IW Holdings)		NW Holdings	
Cash paid for amounts included in the measurement of lease liabilities							
Operating cash flows from operating leases	\$	6,993	\$	64	\$	7,057	
Finance cash flows from finance leases		524		—		524	
Right of use assets obtained in exchange for lease obligations							
Operating leases	\$	309	\$	668	\$	977	
Finance leases		270		_		270	
		Year	ended	December 31	1, 2021		
In thousands		NW Natural	(N	Other W Holdings)		NW Holdings	
Cash paid for amounts included in the measurement of lease liabilities							
Operating cash flows from operating leases	\$	6,840	\$	58	\$	6,898	
Finance cash flows from finance leases		801				801	
Right of use assets obtained in exchange for lease obligations							
Operating leases	\$	223	\$		\$	223	
Finance leases		314		—		314	
		Year	ended	December 31	, 20	20	
In thousands		NW Natural	(N	Other W Holdings)		NW Holdings	
Cash paid for amounts included in the measurement of lease liabilities							
Operating cash flows from operating leases	\$	4,466	\$	131	\$	4,597	
Finance cash flows from finance leases		835				835	
Right of use assets obtained in exchange for lease obligations							
Operating leases	\$	78,539	\$	51	\$	78,590	
Finance leases		1,386		—		1,386	

Finance Leases

NW Natural also leases building storage spaces for use as a gas meter room in order to provide natural gas to multifamily or mixed use developments. These contracts are accounted for as finance leases and typically involve a one-time upfront payment with no remaining liability. The right of use asset for finance leases was \$2.3 million and \$2.1 million at December 31, 2022 and 2021, respectively.

# 8. STOCK-BASED COMPENSATION

Stock-based compensation plans are designed to promote stock ownership in NW Holdings by employees and officers of NW Holdings and its affiliates. These compensation plans include a Long Term Incentive Plan (LTIP) and an ESPP.

# Long Term Incentive Plan

The LTIP is intended to provide a flexible, competitive compensation program for eligible officers and key employees. Under the LTIP, shares of NW Holdings common stock are authorized for equity incentive grants in the form of stock, restricted stock, restricted stock units, stock options, or performance shares. An aggregate of 1,100,000 shares were authorized for issuance as of December 31, 2022. Shares awarded under the LTIP may be purchased on the open market or issued as original shares.

Of the 1,100,000 shares of common stock authorized for LTIP awards at December 31, 2022, there were 247,666 shares available for issuance under any type of award. This assumes market, performance, and service-based grants currently outstanding are awarded at the target level. There were no outstanding grants of restricted stock or stock options under the LTIP at December 31, 2022 or 2021. The LTIP stock awards are compensatory awards for which compensation expense is based on the fair value of stock awards, with expense being recognized over the performance and vesting period of the outstanding awards. Forfeitures are recognized as they occur.

#### Performance Shares

LTIP performance shares incorporate a combination of market, performance, and service-based factors. The following table summarizes performance share expense information:

Dollars in thousands	Shares ⁽¹⁾	Expense During Award Year ⁽²⁾	Total Expense for Award	
Estimated award:				
2020-2022 grant ⁽³⁾	29,472	\$ 888	\$ 8	888
Actual award:				
2019-2021 grant	37,430	\$ 1,323	\$ 1,3	323
2018-2020 grant	31,600	\$ 2,137	\$ 2,1	137

⁽¹⁾ In addition to common stock shares, a participant also receives a dividend equivalent cash payment equal to the number of shares of common stock received on the award payout multiplied by the aggregate cash dividends paid per share during the performance period.

(2) Amount represents the expense recognized in the third year of the vesting period noted above. For the 2019-2021 and 2020-2022 grants, mutual understanding of the award's key terms was established in the third year of the vesting period, triggering full expense recognition in 2021 and 2022, respectively.

⁽³⁾ This represents the estimated number of shares to be awarded as of December 31, 2022 as certain performance share measures have been achieved. Amounts are subject to change with final payout amounts authorized by the Board of Directors in February 2023.

The aggregate number of performance shares granted and outstanding at the target and maximum levels were as follows:

Dollars in thousands	Performance S Outstar	2022	
Performance Period	Target	Maximum	Expense
2020-22	31,160	62,320	\$ 888
2021-23	—	—	
2022-24		—	
Total	31,160	62,320	\$ 888

Performance share awards are based on the achievement of a three-year ROIC threshold that must be met and a cumulative EPS factor, which can be modified by a TSR factor relative to the performance of the Russell 2500 Utilities Index (2020-2022 performance share awards) or a specified peer group (2021-2023 and 2022-2024 performance share awards) over the three-year performance period. The performance period allows for one of the performance factors to remain variable until the first quarter of the third year of the award period. As the performance factor will not be approved until the first quarter of 2023 and 2024, there is not a mutual understanding of the awards' key terms and conditions between NW Natural and the participants as of December 31, 2022, and therefore, no expense was recognized for the 2021-2023 and 2022-2024 performance period. NW Natural will calculate the grant date fair value and recognize expense once the final performance factor has been approved. If the target is achieved for the 2021-2023 and 2022-2024 awards, NW Holdings would grant for accounting purposes 55,250 and 55,870 shares in the first quarter of 2023 and 2024, respectively.

Compensation expense is recognized in accordance with accounting standards for stock-based compensation and calculated based on performance levels achieved and an estimated fair value using the Monte-Carlo method. Due to there not being a mutual understanding of the 2021-2023 and 2022-2024 awards' key terms and conditions as noted above, the grant date fair value has not yet been determined and no non-vested shares existed at December 31, 2022. The weighted-average grant date fair value of non-vested shares associated with the 2020-2022 awards was \$38.63 per share at December 31, 2022. The

weighted-average grant date fair value of shares vested during the year was \$38.63 per share and there were no performance shares granted during the year and no unrecognized compensation expense for accounting purposes as of December 31, 2022.

### Restricted Stock Units

In 2012, RSUs began being granted under the LTIP instead of stock options under the Restated SOP. Generally, the RSUs awarded are forfeitable and include a performance-based threshold as well as a vesting period of four years from the grant date. The majority of our RSU grants obligate NW Holdings, upon vesting, to issue the RSU holder one share of common stock. The grant may also include a cash payment equal to the total amount of dividends paid per share between the grant date and vesting date of that portion of the RSU depending on the structure of the award agreement. The fair value of an RSU is equal to the closing market price of NW Holdings' common stock on the grant date. During 2022, total RSU expense was \$2.1 million compared to \$2.0 million in 2021 and \$2.0 million in 2020. As of December 31, 2022, there was \$3.5 million of unrecognized compensation cost from grants of RSUs, which is expected to be recognized over a period extending through 2026.

Information regarding the RSU activity is summarized as follows:

	Number of RSUs	Weighted - Average Price Per RSU
Nonvested, December 31, 2019	79,733	\$ 61.17
Granted	33,594	55.58
Vested	(29,273)	59.29
Forfeited	(1,590)	69.71
Nonvested, December 31, 2020	82,464	59.40
Granted	38,160	49.16
Vested	(31,733)	60.06
Forfeited	(1,164)	46.82
Nonvested, December 31, 2021	87,727	54.87
Granted	48,212	46.50
Vested	(33,054)	55.90
Forfeited	(3,037)	56.34
Nonvested, December 31, 2022	99,848	\$ 50.44

# **Employee Stock Purchase Plan**

NW Holdings' ESPP allows employees of NW Holdings, NW Natural and certain designated subsidiaries to purchase common stock at 85% of the closing price on the trading day immediately preceding the initial offering date, which is set annually. For the 2022-2023 ESPP period, each eligible employee may purchase up to \$21,223 worth of stock through payroll deductions over a period defined by the Board of Directors, with shares issued at the end of the subscription period.

### Stock-Based Compensation Expense

Stock-based compensation expense is recognized as operations and maintenance expense or is capitalized as part of construction overhead at the entity at which the award recipient is employed. The following table summarizes the NW Holdings' financial statement impact, substantially all of which was recorded at NW Natural, of stock-based compensation under the LTIP and ESPP:

In thousands	2022	2021	2020
Operations and maintenance expense, for stock-based compensation	\$ 2,877	\$ 3,272	\$ 3,525
Income tax benefit	(762)	(866)	(933)
Net stock-based compensation effect on net income	2,115	2,406	2,592
Amounts capitalized for stock-based compensation	\$ 351	\$ 344	\$ 841

# Short-Term Debt

The primary source of short-term liquidity for NW Holdings is cash balances, dividends from its operating subsidiaries, in particular NW Natural, available cash from a multi-year credit facility, and short-term credit facilities it may enter into from time to time.

The primary source of short-term liquidity for NW Natural is from the sale of commercial paper, available cash from a multi-year credit facility, and short-term credit facilities it may enter into from time to time. In addition to issuing commercial paper or entering into bank loans to meet working capital requirements, including seasonal requirements to finance gas purchases and accounts receivable, short-term debt may also be used to temporarily fund capital requirements. For NW Natural, commercial paper and bank loans are periodically refinanced through the sale of long-term debt or equity contributions from NW Holdings. Commercial paper, when outstanding, is sold through two commercial banks under an issuing and paying agency agreement and is supported by one or more unsecured revolving credit facilities. See "Credit Agreements" below.

At December 31, 2022 and 2021, NW Natural's short-term debt consisted of the following:

			Decembe	r 31, 2022	December 31, 2021				
n millions			ance tanding	Weighted Average Interest Rate ⁽¹⁾		Balance Outstanding	Weighted Average Interest Rate ⁽¹⁾		
NW Natural:									
Commercial paper		5	170.2	4.6 %	\$	245.5	0.3 %		
Other (NW Holdings):									
Credit agreement			88.0	5.3 %		144.0	1.1 %		
NW Holdings		\$	258.2	-	\$	389.5	-		
	=								

⁽¹⁾ Weighted average interest rate on outstanding short-term debt

The carrying cost of commercial paper approximates fair value using Level 2 inputs. See Note 2 for a description of the fair value hierarchy. At December 31, 2022, NW Natural's commercial paper had a maximum remaining maturity of 6 days and an average remaining maturity of 5 days.

# **Credit Agreements**

#### NW Holdings

In November 2021, NW Holdings entered into an amended and restated \$200.0 million credit agreement, with a feature that allows NW Holdings to request increases in the total commitment amount, up to a maximum of \$300.0 million. The maturity date of the agreement is November 3, 2026, with an available extension of commitments for two additional one-year periods, subject to lender approval. Interest charges on the NW Holdings credit agreement were indexed to the London Interbank Offered Rate (LIBOR) through January 31, 2023. The agreement was amended to replace LIBOR with the secured overnight financing rate (SOFR) beginning February 2023. The SOFR is subject to a 10 basis point spread adjustment.

The NW Holdings credit agreement permits the issuance of letters of credit in an aggregate amount of up to \$40.0 million. The principal amount of borrowings under the credit agreement is due and payable on the maturity date. The credit agreement requires NW Holdings to maintain a consolidated indebtedness to total capitalization ratio of 70% or less. Failure to comply with this covenant would entitle the lenders to terminate their lending commitments and accelerate the maturity of all amounts outstanding. NW Holdings was in compliance with this covenant at December 31, 2022 and 2021.

The NW Holdings credit agreement also requires NW Holdings to maintain debt ratings (which are defined by a formula using NW Natural's credit ratings in the event NW Holdings does not have a credit rating) with Standard & Poor's (S&P) and Moody's Investors Service, Inc. (Moody's) and notify the lenders of any change in its senior unsecured debt ratings or senior secured debt ratings, as applicable, by such rating agencies. A change in NW Holdings' debt ratings by S&P or Moody's is not an event of default, nor is the maintenance of a specific minimum level of debt rating a condition of drawing upon the credit agreement. Rather, interest rates on any loans outstanding under the credit agreements are tied to debt ratings and therefore, a change in the debt rating would increase or decrease the cost of any loans under the credit agreements when ratings are changed. NW Holdings does not currently maintain ratings with S&P or Moody's.

There was \$88.0 million and \$144.0 million of outstanding balances under the NW Holdings agreement at December 31, 2022 and 2021, respectively. No letters of credit were issued or outstanding under the NW Holdings agreement at December 31, 2022 and 2021.

# NW Natural

In November 2021, NW Natural entered into an amended and restated credit agreement for unsecured revolving loans totaling \$400.0 million, with a feature that allows NW Natural to request increases in the total commitment amount, up to a maximum of \$600.0 million. The maturity date of the agreement is November 3, 2026 with an available extension of commitments for two additional one-year periods, subject to lender approval. The credit agreement permits the issuance of letters of credit in an

aggregate amount of up to \$60.0 million. The principal amount of borrowings under the credit agreement is due and payable on the maturity date. Interest charges on the NW Natural credit agreement were indexed to the LIBOR through January 31, 2023. The agreement was amended to replace LIBOR with the SOFR beginning February 2023. The SOFR is subject to a 10 basis point spread adjustment.

NW Natural's credit agreement requires NW Natural to maintain a consolidated indebtedness to total capitalization ratio of 70% or less. Failure to comply with this covenant would entitle the lenders to terminate their lending commitments and accelerate the maturity of all amounts outstanding. NW Natural was in compliance with this covenant at December 31, 2022 and 2021.

The NW Natural credit agreement also requires NW Natural to maintain credit ratings with S&P and Moody's and notify the lenders of any change in NW Natural's senior unsecured debt ratings or senior secured debt ratings, as applicable, by such rating agencies. A change in NW Natural's debt ratings by S&P or Moody's is not an event of default, nor is the maintenance of a specific minimum level of debt rating a condition of drawing upon the credit agreement. Rather, interest rates on any loans outstanding under the credit agreement are tied to debt ratings and therefore, a change in the debt rating would increase or decrease the cost of any loans under the credit agreement when ratings are changed.

There were no outstanding balances under NW Natural's credit agreement and no letters of credit issued or outstanding at December 31, 2022 and 2021. In February 2023, NW Natural issued a \$14 million letter of credit through its existing credit agreement. There were no other letters of credit outstanding under the credit agreement.

#### Long-Term Debt

NW Holdings

At December 31, 2022 and 2021, NW Holdings long-term debt consisted of the following:

	Decembe	r 31, 2022	December 31, 2021						
In millions	 Balance Outstanding	Weighted Average Interest Rate ⁽¹⁾		Balance Outstanding	Weighted Average Interest Rate ⁽¹⁾				
NW Natural first mortgage bonds	\$ 1,134.7	4.5 %	\$	994.7	4.4 %				
NW Holdings credit agreement	100.0	4.2 %		_	— %				
NWN Water credit agreement	50.0	4.2 %		_	— %				
NWN Water term loan	55.0	2.5 %		55.0	0.8 %				
Other long-term debt	6.2			3.5					
Long-term debt, gross	\$ 1,345.9	•	\$	1,053.2					
Less: unamortized debt issuance costs	9.0			8.3					
Less: current maturities	90.7			0.3					
Total long-term debt	\$ 1,246.2		\$	1,044.6					

⁽¹⁾ Weighted average interest rate for the years ended December 31, 2022 and 2021.

Long-term debt at NWN Water is primarily comprised of a five-year term loan agreement for \$55.0 million, due in 2026. NWN Water entered into this agreement in June 2021 and the interest rate is based upon the one-month SOFR rate. The loan is guaranteed by NW Holdings and requires NW Holdings to maintain a consolidated indebtedness to total capitalization ratio of 70% or less. Failure to comply with this covenant would entitle the lenders to terminate their lending commitments and accelerate the maturity of all amounts outstanding. NW Holdings was in compliance with this covenant at December 31, 2022 and 2021, with a consolidated indebtedness to total capitalization ratio of 57.6% and 60.5%, respectively. In December 2022, NW Holdings entered into a swap to fix the interest rate on this debt beginning in January 2023 through the loan's maturity. See "Interest Rate Swap Agreements" below for more detail.

In September 2022, NW Holdings entered into an 18-month credit agreement for \$100.0 million and borrowed the full amount. The interest rate is based on the SOFR. The loan is due and payable on March 15, 2024. The credit agreement prohibits NW Holdings from permitting consolidated indebtedness to be greater than 70% of total capitalization, each as defined therein and calculated as of the end of each fiscal quarter. Failure to comply with this financial covenant would entitle the lenders to accelerate the maturity of the amounts outstanding under the credit agreement. NW Holdings was in compliance with this financial covenant as of December 31, 2022. In December 2022, NW Holdings entered into a swap to fix the interest rate on this debt beginning in January 2023 through the loan's maturity. See "Interest Rate Swap Agreements" below for more detail.

In September 2022, NWN Water entered into an 18-month credit agreement for \$50.0 million and borrowed the full amount. The interest rate is based on the SOFR. The loan is due and payable on March 15, 2024. The credit agreement prohibits NWN Water and NW Holdings from permitting consolidated indebtedness to be greater than 70% of total capitalization, each as defined therein and calculated as of the end of each fiscal quarter. Failure to comply with this financial covenant would entitle the lenders to accelerate the maturity of the amounts outstanding under the credit agreement. NWN Water and NW Holdings were in compliance with this financial covenant as of December 31, 2022.

#### Interest Rate Swap Agreements

NW Holdings and NWN Water entered into interest rate swap agreements with major financial institutions that effectively convert variable-rate debt to a fixed rate. Interest payments made between the effective date and expiration date are hedged by the swap agreements. The notional amount, effective date, expiration date and rate of the swap agreements are shown in the table below:

In millions	Notio	nal Amount	Effective Date	Expiration Date	Fixed Rate
NW Holdings	\$	100.0	1/17/2023	3/15/2024	4.7 %
NWN Water	\$	55.0	1/19/2023	6/10/2026	3.8 %

#### NW Natural

NW Natural's issuance of First Mortgage Bonds (FMBs), which includes NW Natural's medium-term notes, under the Mortgage and Deed of Trust (Mortgage) is limited by eligible property, adjusted net earnings, and other provisions of the Mortgage. The Mortgage constitutes a first mortgage lien on certain gas properties owned from time to time by NW Natural, including substantially all of NW Natural's NGD property.

In July 2022, NW Natural entered into a Bond Purchase Agreement between NW Natural and the institutional investors named as purchasers therein (the Bond Purchase Agreement). The Bond Purchase Agreement provides for the issuance of \$140.0 million aggregate principal amount of NW Natural's FMBs due in 2052 (the Bonds). The Bonds were issued on September 30, 2022. The Bonds bear interest at the rate of 4.78% per annum, payable semi-annually on March 30 and September 30 of each year, commencing March 30, 2023, and will mature on September 30, 2052. The Bonds are subject to redemption prior to maturity at the option of NW Natural, in whole or in part, (i) at any time prior to March 30, 2052, at a redemption price equal to 100% of the principal amount thereof plus a "make-whole" premium and accrued and unpaid interest thereon to the date of redemption, and (ii) at any time on and after March 30, 2052, at 100% of the principal amount thereof plus accrued and unpaid interest thereon to the date of redemption.

#### Maturities and Outstanding Long-Term Debt

Retirement of long-term debt for each of the annual periods through December 31, 2027 and thereafter are as follows:

	ong-term debt maturities
NW Natural:	
2023	\$ 90,000
2024	_
2025	30,000
2026	55,000
2027	64,700
Thereafter	895,000
Total	\$ 1,134,700

The following table presents debt outstanding as of December 31:

In thousands	2022	2021
NW Natural:		
First Mortgage Bonds:		
3.542% Series due 2023	50,000	50,000
5.620% Series due 2023	40,000	40,000
7.720% Series due 2025	20,000	20,000
6.520% Series due 2025	10,000	10,000
7.050% Series due 2026	20,000	20,000
3.211% Series due 2026	35,000	35,000
7.000% Series due 2027	20,000	20,000
2.822% Series due 2027	25,000	25,000
6.650% Series due 2027	19,700	19,700
6.650% Series due 2028	10,000	10,000
3.141% Series due 2029	50,000	50,000
7.740% Series due 2030	20,000	20,000
7.850% Series due 2030	10,000	10,000
5.820% Series due 2032	30,000	30,000
5.660% Series due 2033	40,000	40,000
5.250% Series due 2035	10,000	10,000
4.000% Series due 2042	50,000	50,000
4.136% Series due 2046	40,000	40,000
3.685% Series due 2047	75,000	75,000
4.110% Series due 2048	50,000	50,000
3.869% Series due 2049	90,000	90,000
3.600% Series due 2050	150,000	150,000
3.078% Series due 2051	130,000	130,000
4.780% Series due 2052	140,000	
Long-term debt, gross	1,134,700	994,700
Less: current maturities	90,000	
Total long-term debt	\$ 1,044,700	\$ 994,700

#### Fair Value of Long-Term Debt

NW Holdings' and NW Natural's outstanding debt does not trade in active markets. The fair value of debt is estimated using the value of outstanding debt at natural gas distribution companies with similar credit ratings, terms, and remaining maturities to NW Holdings' and NW Natural's debt that actively trade in public markets. Substantially all outstanding debt at NW Holdings is comprised of NW Natural debt. These valuations are based on Level 2 inputs as defined in the fair value hierarchy. See Note 2.

The following table provides an estimate of the fair value of long-term debt, including current maturities of long-term debt, using market prices in effect on the valuation date:

	December 31,								
In thousands		2022		2021					
NW Natural:									
Gross long-term debt	\$	1,134,700	\$	994,700					
Unamortized debt issuance costs		(8,823)		(8,205)					
Carrying amount	\$	1,125,877	\$	986,495					
Estimated fair value ⁽¹⁾	\$	944,383	\$	1,110,741					
NW Holdings:									
Gross long-term debt	\$	1,345,851	\$	1,053,241					
Unamortized debt issuance costs		(8,987)		(8,309)					
Carrying amount	\$	1,336,864	\$	1,044,932					
Estimated fair value ⁽¹⁾	\$	1,148,395	\$	1,174,500					
(4)									

⁽¹⁾ Estimated fair value does not include unamortized debt issuance costs.

#### 10. PENSION AND OTHER POSTRETIREMENT BENEFIT COSTS

NW Natural maintains a qualified non-contributory defined benefit pension plan (Pension Plan) for all eligible employees, nonqualified supplemental pension plans for eligible executive officers and other key employees, and other postretirement employee benefit plans. NW Natural also has a qualified defined contribution plan (Retirement K Savings Plan) for all eligible employees. The Pension Plan and Retirement K Savings Plan have plan assets, which are held in qualified trusts to fund retirement benefits.

Effective January 1, 2007 and 2010, the Pension Plan and postretirement benefits for non-union employees and union employees, respectively, were closed to new participants. Non-union and union employees hired or re-hired after December 31, 2006 and 2009, respectively, and employees of NW Natural subsidiaries are provided an enhanced Retirement K Savings Plan benefit.

The following table provides a reconciliation of the changes in NW Natural's benefit obligations and fair value of plan assets, as applicable, for NW Natural's pension and other postretirement benefit plans, excluding the Retirement K Savings Plan, and a summary of the funded status and amounts recognized in NW Holdings' and NW Natural's consolidated balance sheets as of December 31:

		Postretiremer	nt Benefit Plan	3	
	Pension	Benefits	Othe	r Ben	efits
In thousands	2022	2021	2022		2021
Reconciliation of change in benefit obligation:					
Obligation at January 1	\$ 542,618	\$ 566,147	\$ 27,223	\$	29,039
Service cost	5,933	6,982	193	5	238
Interest cost	14,593	13,447	724	Ļ	684
Net actuarial gain	(122,168)	(18,587)	(6,234	)	(688)
Benefits paid	(27,563)	(25,371)	(2,026	5)	(2,050)
Obligation at December 31	\$ 413,413	\$ 542,618	\$ 19,880	) \$	27,223
Reconciliation of change in plan assets:					
Fair value of plan assets at January 1	\$ 399,217	\$ 373,932	\$ —	- \$	
Actual return on plan assets	(93,703)	38,712	_	-	
Employer contributions	2,353	11,944	2,026	;	2,050
Benefits paid	(27,563)	(25,371)	(2,026	5)	(2,050)
Fair value of plan assets at December 31	\$ 280,304	\$ 399,217	\$ —	- \$	
Funded status at December 31	\$ (133,109)	\$ (143,401)	\$ (19,880	) \$	(27,223)

At December 31, 2022, the net liability (benefit obligations less market value of plan assets) for the Pension Plan decreased \$3.3 million compared to 2021. The decrease in the net pension liability is primarily due to the \$118.9 million decrease in plan assets and the \$122.3 million decrease to the pension benefit obligation. The liability for non-qualified plans decreased \$6.9 million, and the liability for other postretirement benefits decreased \$7.3 million in 2022.

NW Natural's Pension Plan had a projected benefit obligation of \$381.6 million and \$503.9 million at December 31, 2022 and 2021, respectively, and fair values of plan assets of \$280.3 million and \$399.2 million, respectively. The plan had an accumulated benefit obligation of \$353.4 million and \$464.4 million at December 31, 2022 and 2021, respectively.

The following table presents amounts realized through regulatory assets or in other comprehensive loss (income) for the years ended December 31:

Regulatory Assets									Other Comprehensive Loss (Income)				
	Р	ension Benef	its	6 Other Postretirement Benefits					Pension Benefits				
In thousands	2022	2021	2020	2022	2	2021	2020		2022		2021		2020
Net actuarial (gain) loss	\$ 2,833	\$ (32,258)	\$ 16,170	\$ (6,234)	\$	(688)	\$ 145	\$	(5,706)	\$	(812)	\$	3,873
Amortization of:													
Prior service credit	_	_	_	333		468	468		_		_		_
Actuarial loss	(11,531)	(21,250)	(18,627)	(426)		(645)	(607)		(1,081)		(1,225)		(923)
Total	\$ (8,698)	\$ (53,508)	\$ (2,457)	\$ (6,327)	\$	(865)	\$6	\$	(6,787)	\$	(2,037)	\$	2,950

The following table presents amounts recognized in regulatory assets and accumulated other comprehensive loss (AOCL) at December 31:

			Regulato	ry A	ssets			 AC	DCL			
	Pension Benefits Other Postret					eme	ent Benefits	Pension Benefits				
In thousands	2022		2021		2022		2021	2022		2021		
Prior service credit	\$ _	\$	_	\$	_	\$	(333)	\$ _	\$	_		
Net actuarial loss (gain)	 102,240		112,182		(826)		5,834	 8,717		15,399		
Total	\$ 102,240	\$	112,182	\$	(826)	\$	5,501	\$ 8,717	\$	15,399		

The following table presents amounts recognized by NW Holdings and NW Natural in AOCL and the changes in AOCL related to NW Natural's non-qualified employee benefit plans:

	Year ended December 31,								
In thousands		2022	2021						
Beginning balance	\$	(11,404) \$	\$ (12,902)						
Amounts reclassified to AOCL		5,706	812						
Amounts reclassified from AOCL:									
Amortization of actuarial losses		1,081	1,225						
Total reclassifications before tax		6,787	2,037						
Tax benefit		(1,797)	(539)						
Total reclassifications for the period		4,990	1,498						
Ending balance	\$	(6,414) \$	\$ (11,404)						

In 2023, NW Natural will not amortize any estimated costs from regulatory assets to net periodic benefit costs.

The assumed discount rates for NW Natural's Pension Plan and other postretirement benefit plans were determined independently based on the FTSE Above Median Curve (discount rate curve), which uses high quality corporate bonds rated AA-or higher by S&P or Aa3 or higher by Moody's. The discount rate curve was applied to match the estimated cash flows in each of the plans to reflect the timing and amount of expected future benefit payments for these plans.

The assumed expected long-term rate of return on plan assets for the Pension Plan was developed using a weighted-average of the expected returns for the target asset portfolio. In developing the expected long-term rate of return assumption, consideration was given to the historical performance of each asset class in which the plan's assets are invested and the target asset allocation for plan assets.

The investment strategy and policies for Pension Plan assets held in the retirement trust fund were approved by the NW Natural Retirement Committee, which is composed of senior management with the assistance of an outside investment consultant. The policies set forth the guidelines and objectives governing the investment of plan assets. Plan assets are invested for total return with appropriate consideration for liquidity, portfolio risk, and return expectations. All investments are expected to satisfy the prudent investments rule under the Employee Retirement Income Security Act of 1974. The approved asset classes may include cash and short-term investments, fixed income, common stock and convertible securities, absolute and real return strategies, and real estate. Plan assets may be invested in separately managed accounts or in commingled or mutual funds. Investment rebalancing takes place periodically as needed, or when significant cash flows occur, in order to maintain the allocation of assets within the stated target ranges. The retirement trust fund for the Pension Plan is not currently invested in NW Holdings or NW Natural securities.

The following table presents the Pension Plan asset target allocation at December 31, 2022:

Asset Category	Target Allocation
Long government/credit	20 %
U.S. large cap equity	18
Non-U.S. equity	18
Absolute return strategies	12
U.S. small/mid cap equity	10
Real estate funds	7
High yield bonds	5
Emerging markets equity	5
Emerging market debt	5

Non-qualified supplemental defined benefit plan obligations were \$31.8 million and \$38.7 million at December 31, 2022 and 2021, respectively. These plans are not subject to regulatory deferral, and the changes in actuarial gains and losses, prior service costs, and transition assets or obligations are recognized in AOCL, net of tax until they are amortized as a component of net periodic benefit cost. These are unfunded, non-qualified plans with no plan assets; however, a significant portion of the obligations is indirectly funded with company and trust-owned life insurance and other assets.

Other postretirement benefit plans are unfunded plans but are subject to regulatory deferral. The actuarial gains and losses, prior service costs, and transition assets or obligations for these plans are recognized as a regulatory asset.

Net periodic benefit costs consist of service costs, interest costs, the expected returns on plan assets, and the amortization of gains and losses and prior service costs. The gains and losses are the sum of the actuarial and asset gains and losses throughout the year and are amortized over the average remaining service period of active participants. The asset gains and losses are based in part on a market-related valuation of assets. The market-related valuation reflects differences between expected returns and actual investment returns with the differences recognized over a two-year period from the year in which they occur, thereby reducing year-to-year net periodic benefit cost volatility.

The service cost component of net periodic benefit cost for NW Natural pension and other postretirement benefit plans is recognized in operations and maintenance expense in the consolidated statements of comprehensive income. The other non-service cost components are recognized in other income (expense), net in the consolidated statements of comprehensive income. The following table provides the components of net periodic benefit cost for NW Natural's pension and other postretirement benefit plans for the years ended December 31:

	 F	Pens	sion Benefit	s		Other Postretirement Benefits					
In thousands	 2022		2021		2020		2022		2021		2020
Service cost	\$ 5,933	\$	6,981	\$	6,614	\$	193	\$	238	\$	258
Interest cost	14,593		13,448		16,161		724		684		905
Expected return on plan assets	(25,698)		(24,232)		(21,865)		_		_		_
Amortization of prior service credit	_		_		_		(333)		(468)		(468)
Amortization of net actuarial loss	 12,612		22,475		19,550		426		645		607
Net periodic benefit cost	7,440		18,672		20,460		1,010		1,099		1,302
Amount allocated to construction	 (2,621)		(3,015)		(2,798)		(76)		(93)		(98)
Net periodic benefit cost charged to expense	4,819		15,657		17,662		934		1,006		1,204
Amortization of regulatory balancing account	 7,131		7,131		7,131						
Net amount charged to expense	\$ 11,950	\$	22,788	\$	24,793	\$	934	\$	1,006	\$	1,204

Net periodic benefit costs are reduced by amounts capitalized to NGD plant. In addition, a certain amount of net periodic benefit costs were recorded to the regulatory balancing account, representing net periodic pension expense for the Pension Plan above the amount set in rates, as approved by the OPUC, from 2011 through October 31, 2018. Total amortization of the regulatory balancing account of \$7.1 million was recognized in each of the years ended December 31, 2022 and 2021, of which \$2.6 million was charged to operations and maintenance expense and \$4.5 million was charged to other income (expense).

The following table provides the assumptions used in measuring periodic benefit costs and benefit obligations for the years ended December 31:

	Pe	ension Benefits	3	Other Po	nefits	
	2022	2021	2020	2022	2021	2020
Assumptions for net periodic benefit cost:						
Weighted-average discount rate	2.71 %	2.40 %	3.18 %	2.72 %	2.34 %	3.11 %
Rate of increase in compensation	3.50 %	3.50 %	3.50 %	n/a	n/a	n/a
Expected long-term rate of return	7.00 %	7.25 %	7.25 %	n/a	n/a	n/a
Assumptions for year-end funded status:						
Weighted-average discount rate	5.18 %	2.71 %	2.36 %	5.19 %	2.72 %	2.34 %
Rate of increase in compensation ⁽¹⁾	4.00-6.00%	3.50 %	3.50-6.50%	n/a	n/a	n/a
Expected long-term rate of return	7.50 %	7.00 %	7.25 %	n/a	n/a	n/a

 $^{(1)}$  Rate assumption ranges from 4.5% to 5.0% in 2023, 4.0% to 6.0% in 2024 and 4.0% thereafter.

The assumed annual increase in health care cost trend rates used in measuring other postretirement benefits as of December 31, 2022 was 7.00%. These trend rates apply to both medical and prescription drugs. Medical costs and prescription drugs are assumed to decrease gradually each year to a rate of 4.00% by 2029.

Assumed health care cost trend rates can have a significant effect on the amounts reported for the health care plans; however, other postretirement benefit plans have a cap on the amount of costs reimbursable by NW Natural. Mortality assumptions are reviewed annually and are updated for material changes as necessary. In 2022, mortality rate assumptions remained consistent with 2021, using Pri-2012 mortality tables using scale MP-2021.

The following table provides information regarding employer contributions and benefit payments for NW Natural's Pension Plan, non-qualified pension plans, and other postretirement benefit plans for the years ended December 31, and estimated future contributions and payments:

In thousands	Pen	sion Benefits	Othe	er Benefits
Employer Contributions:				
2021	\$	11,944	\$	2,050
2022		2,353		2,026
2023 (estimated)		2,333		1,586
Benefit Payments:				
2020		25,073		1,837
2021		25,371		2,050
2022		27,563		2,026
Estimated Future Benefit Payments:				
2023		26,499		1,586
2024		27,029		1,591
2025		27,541		1,586
2026		27,981		1,560
2027		36,485		1,552
2028-2032		145,486		7,345

#### Employer Contributions to Company-Sponsored Defined Benefit Pension Plan

NW Natural makes contributions to its Pension Plan based on actuarial assumptions and estimates, tax regulations, and funding requirements under federal law. The Pension Plan was underfunded by \$101.3 million at December 31, 2022. NW Natural made no cash contributions to its Pension Plan for 2022. The American Rescue Plan, which was signed into law on March 11, 2021, includes a provision for pension relief that extends the amortization period for required contributions from 7 to 15 years and provides for the stabilization of interest rates used to calculate future required contributions. As a result, NW Natural does not expect to make any plan contributions during 2023.

#### **Multiemployer Pension Plan**

In addition to the NW Natural-sponsored Pension Plan presented above, prior to 2014 NW Natural contributed to a multiemployer pension plan for its NGD union employees known as the Western States Office and Professional Employees International Union Pension Fund (Western States Plan). That plan's employer identification number is 94-6076144. Effective December 22, 2013, NW Natural withdrew from the plan, which was a noncash transaction. Vested participants will receive all benefits accrued through the date of withdrawal. As the plan was underfunded at the time of withdrawal, NW Natural was assessed a withdrawal liability of \$8.3 million, plus interest, which requires NW Natural to pay \$0.6 million each year to the plan for 20 years beginning in July 2014. The cost of the withdrawal liability was deferred to a regulatory account on the balance sheet.

Payments were \$0.6 million for 2022, and as of December 31, 2022, the liability balance was \$5.4 million. For 2021 and 2020, contributions to the plan were \$0.4 million and \$0.7 million, respectively, which was approximately 3% to 5% of the total contributions to the plan by all employer participants in those years.

#### **Defined Contribution Plan**

NW Natural's Retirement K Savings Plan is a qualified defined contribution plan under Internal Revenue Code Sections 401(a) and 401(k). NW Natural contributions totaled \$9.6 million, \$8.8 million, and \$8.3 million for 2022, 2021, and 2020, respectively.

#### **Deferred Compensation Plans**

NW Natural's supplemental deferred compensation plans for eligible officers and senior managers are non-qualified plans. These plans are designed to enhance the retirement savings of employees and to assist them in strengthening their financial security by providing an incentive to save and invest regularly.

#### Fair Value

Below is a description of the valuation methodologies used for assets measured at fair value. In cases where NW Natural's Pension Plan is invested through a collective trust fund or mutual fund, the fund's market value is utilized. Market values for investments directly owned are also utilized.

**U.S. EQUITY.** These are non-published net asset value (NAV) assets. The non-published NAV assets consist of commingled trusts where NAV is not published but the investment can be readily disposed of at NAV or market value. The underlying investments in this asset class includes investments primarily in U.S. common stocks.

**INTERNATIONAL/GLOBAL EQUITY.** These are Level 1 and non-published NAV assets. The Level 1 asset is a mutual fund, and the non-published NAV assets consist of commingled trusts where the NAV/unit price is not published, but the investment can be readily disposed of at the NAV/unit price. The mutual funds has a readily determinable fair value, including a published NAV, and the commingled trusts are valued at unit price. This asset class includes investments primarily in foreign equity common stocks.

LIABILITY HEDGING. These are non-published NAV assets. The non-published NAV assets consist of commingled trusts where NAV is not published but the investment can be readily disposed of at NAV or market value. The underlying investments in this asset class include long duration fixed income investments primarily in U.S. treasuries, U.S. government agencies, municipal securities, mortgage-backed securities, asset-backed securities, as well as U.S. and international investment-grade corporate bonds.

**OPPORTUNISTIC.** These are non-published NAV assets. The non-published NAV assets consist of commingled trusts where NAV is not published but the investment can be readily disposed of at NAV or market value. The underlying investments in this asset class include real estate investment trust equities, high yield bonds, floating rate debt, emerging market debt and a commodity index pool.

**CASH AND CASH EQUIVALENTS.** These are Level 1 and non-published NAV assets. The Level 1 assets consist of cash in U.S. dollars, which can be readily disposed of at face value. The non-published NAV assets represent mutual funds without published NAV's but the investment can be readily disposed of at the NAV. The mutual funds are valued at the NAV of the shares held by the plan at the valuation date.

The preceding valuation methods may produce a fair value calculation that is not indicative of net realizable value or reflective of future fair values. Although we believe these valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain investments could result in a different fair value measurement at the reporting date.

Investment securities are exposed to various financial risks including interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is reasonably possible that changes in the values of NW Natural's investment securities will occur in the near term and such changes could materially affect NW Natural's investment account balances and the amounts reported as plan assets available for benefit payments.

The following tables present the fair value of NW Natural's Pension Plan assets, including outstanding receivables and liabilities, of NW Natural's retirement trust fund

In thousands	December 31, 2022									
Investments		Level 1		Level 2		Level 3	No	on-Published NAV ⁽¹⁾		Total
US equity	\$	_	\$	_	\$	_	\$	68,729	\$	68,729
International / Global equity		26,677		_		_		63,827		90,504
Liability hedging		_		—		_		94,823		94,823
Opportunistic		_		_		_		23,903		23,903
Cash and cash equivalents		_		_		_		2,345		2,345
Total investments	\$	26,677	\$		\$		\$	253,627	\$	280,304

	December 31, 2021								
Investments	Level 1	Le	evel 2		Level 3	No	n-Published NAV ⁽¹⁾		Total
US equity	\$ 	\$		\$	_	\$	121,090	\$	121,090
International / Global equity	35,456		_		_		88,078		123,534
Liability hedging			_		_		118,464		118,464
Opportunistic			_		_		33,808		33,808
Cash and cash equivalents			_		_		2,321		2,321
Total investments	\$ 35,456	\$		\$	_	\$	363,761	\$	399,217
							Decem	ber	31,
							2022		2021
Receivables:									
Accrued interest and dividend income						\$	7,703	\$	_
Total receivables							7,703		
Liabilities:									
Due to broker for securities purchased							(7,701)		_
Total investment in retirement trust						\$	280,306	\$	399,217
(1)	 					_		_	

(1) The fair value for these investments is determined using Net Asset Value per share (NAV) as of December 31, as a practical expedient, and therefore they are not classified within the fair value hierarchy. These investments primarily consist of institutional investment products, for which the NAV is generally not publicly available.

#### 11. INCOME TAX

The following table provides a reconciliation between income taxes calculated at the statutory federal tax rate and the provision for income taxes reflected in the NW Holdings and NW Natural statements of comprehensive income or loss for December 31:

	NW Holdings					NW Natural						
Dollars in thousands		2022		2021		2020		2022		2021		2020
Income taxes at federal statutory rate	\$	24,241	\$	22,275	\$	19,185	\$	25,746	\$	22,996	\$	19,248
Increase (decrease):												
State income tax, net of federal		10,139		9,962		6,389		10,504		10,150		6,385
Differences required to be flowed-through by regulatory commissions		(4,748)		(4,655)		(3,960)		(4,746)		(4,738)		(3,960)
Other, net		(502)		(176)		(532)		(468)		(75)		(578)
Total provision for income taxes	\$	29,130	\$	27,406	\$	21,082	\$	31,036	\$	28,333	\$	21,095
Effective tax rate	_	25.2%	_	25.8%	_	23.1%	_	25.3%	_	25.9%	_	23.0%

The NW Holdings and NW Natural effective income tax rates for 2022 compared to 2021 changed primarily due to lower income tax amortization in 2022 of the 2020 Oregon Corporate Activity Tax (CAT), which was subject to regulatory deferral when it became effective on January 1, 2020 and then amortized in income tax expense as recovery began in late 2020, 2021, and 2022.

The NW Holdings and NW Natural effective income tax rates for 2021 compared to 2020 changed primarily due to Oregon CAT, the majority of which is incurred because of Oregon regulated operations and for which rate recovery began on November 1, 2020.

The provision for current and deferred income taxes consists of the following at December 31:

	NW Holdings						NW Natural					
In thousands		2022		2021		2020		2022		2021		2020
Current												
Federal	\$	5,172	\$	6,508	\$	10,106	\$	7,442	\$	7,570	\$	11,092
State		6,551		6,281		5,971		7,307		7,540		5,357
Total current income taxes		11,723		12,789		16,077		14,749		15,110		16,449
Deferred												
Federal		11,124		8,289		2,888		10,298		7,915		1,921
State		6,283		6,328		2,117		5,989		5,308		2,725
Total deferred income taxes		17,407		14,617		5,005		16,287		13,223		4,646
Income tax provision	\$	29,130	\$	27,406	\$	21,082	\$	31,036	\$	28,333	\$	21,095

The following table summarizes the tax effect of significant items comprising NW Holdings and NW Natural's deferred income tax balances recorded at December 31:

	NW Holdings				NW N			Vatural		
In thousands		2022		2021		2022		2021		
Deferred tax liabilities:										
Plant and property	\$	326,326	\$	310,471	\$	320,121	\$	303,928		
Leases receivable		36,873		38,123		36,873		38,123		
Pension and postretirement obligations		22,973		23,097		22,973		23,097		
Income tax regulatory asset		13,152		14,818		13,152		14,818		
Lease right of use assets		21,272		21,362		21,084		21,350		
Other		17,050		7,793		17,314		8,003		
Total deferred income tax liabilities	\$	437,646	\$	415,664	\$	431,517	\$	409,319		
Deferred income tax assets:										
Income tax regulatory liability	\$	48,270	\$	50,447	\$	48,018	\$	50,193		
Lease liabilities		21,306		21,376		21,102		21,365		
Other intangible assets		1,947		3,484		—				
Net operating losses and credits carried forward		101		126		44		44		
Total deferred income tax assets	\$	71,624	\$	75,433	\$	69,164	\$	71,602		
Total net deferred income tax liabilities	\$	366,022	\$	340,231	\$	362,353	\$	337,717		

At December 31, 2022 and 2021, regulatory income tax assets of \$10.2 million and \$12.4 million, respectively, were recorded by NW Natural, a portion of which is recorded in current assets. These regulatory income tax assets primarily represent future rate recovery of deferred tax liabilities, resulting from differences in NGD plant financial statement and tax bases and NGD plant removal costs, which were previously flowed through for rate making purposes and to take into account the additional future taxes, which will be generated by that recovery. These deferred tax liabilities, and the associated regulatory income tax assets, are currently being recovered through customer rates. At December 31, 2022 and 2021, regulatory income tax assets of \$2.9 million and \$2.4 million, respectively, were recorded by NW Natural, representing future recovery of deferred tax liabilities resulting from the equity portion of AFUDC. At December 31, 2021, a regulatory income tax asset of \$0.4 million was recorded by NW Natural, representing future recovery 1, 2020 and October 31,2020. In October 2020, the OPUC issued an order providing for recovery of deferred Oregon CAT as well as CAT incurred prospectively beginning November 1, 2020. This asset was fully recovered as of December 31, 2022.

At December 31, 2022 and 2021, deferred tax assets of \$48.0 million and \$50.2 million, respectively, were recorded by NW Natural representing the future income tax benefit associated with the excess deferred income tax regulatory liability recorded as a result of the lower federal corporate income tax rate provided for by the TCJA. At December 31, 2022 and 2021, regulatory liability balances representing the benefit of the change in deferred taxes as a result of the TCJA of \$181.4 million and \$189.6 million, respectively, were recorded by NW Natural.

NW Holdings and NW Natural assess the available positive and negative evidence to estimate if sufficient taxable income will be generated to utilize their respective existing deferred tax assets. Based upon this assessment, NW Holdings and NW Natural determined that it is more likely than not that all of their respective deferred tax assets recorded as of December 31, 2022 will be realized.

The Company estimates it has net operating loss (NOL) carryforwards of \$0.1 million for federal taxes and \$0.1 million for state taxes at December 31, 2022. The federal NOLs do not expire and we anticipate fully utilizing the state NOL carryforward

balances before they begin to expire in 2040. California alternative minimum tax (AMT) credits of \$56 thousand are also available. The AMT credits do not expire.

Uncertain tax positions are accounted for in accordance with accounting standards that require an assessment of the anticipated settlement outcome of material uncertain tax positions taken in a prior year, or planned to be taken in the current year. Until such positions are sustained, the uncertain tax benefits resulting from such positions would not be recognized. No reserves for uncertain tax positions were recorded as of December 31, 2022, 2021, or 2020.

The federal income tax returns for tax years 2018 and earlier are closed by statute. The IRS Compliance Assurance Process (CAP) examination of the 2019 and 2020 tax years have been completed. There were no material changes to these returns as filed. The 2021 and 2022 tax years are currently under IRS CAP examination. The 2023 CAP application has been filed. Under the CAP program, NW Holdings and NW Natural work with the IRS to identify and resolve material tax matters before the tax return is filed each year.

As of December 31, 2022, income tax years 2018 through 2021 remain open for examination by the State of California. Income tax years 2019 through 2021 are open for examination by the States of Oregon, Idaho, and Texas.

#### 12. PROPERTY, PLANT, AND EQUIPMENT

The following table sets forth the major classifications of property, plant, and equipment and accumulated depreciation of continuing operations at December 31:

In thousands	2022	2021
NW Natural:		
NGD plant in service	\$ 3,992,676	\$ 3,721,939
NGD construction work in progress	78,897	135,398
Less: Accumulated depreciation	 1,115,690	 1,098,715
NGD plant, net	2,955,883	2,758,622
Other plant in service	70,368	69,332
Other construction work in progress	6,606	4,971
Less: Accumulated depreciation	21,541	20,646
Other plant, net	 55,433	53,657
Total property, plant, and equipment	\$ 3,011,316	\$ 2,812,279
Other (NW Holdings):		
Other plant in service	\$ 92,979	\$ 57,184
Other construction work in progress	20,040	8,419
Less: Accumulated depreciation	9,935	6,512
Other plant, net	 103,084	59,091
NW Holdings:		
Total property, plant, and equipment	\$ 3,114,400	\$ 2,871,370
NW Natural:		
Capital expenditures in accrued liabilities	\$ 24,584	\$ 37,537
NW Holdings:		
Capital expenditures in accrued liabilities	\$ 25,318	\$ 38,333

Accumulated depreciation does not include the accumulated provision for asset removal costs of \$467.7 million and \$446.0 million at December 31, 2022 and 2021, respectively. These accrued asset removal costs are reflected on the balance sheet as regulatory liabilities. See Note 2.

NW Holdings

Other plant balances include long-lived assets associated with water and wastewater operations and non-regulated activities not held by NW Natural or its subsidiaries.

#### NW Natural

Other plant balances include non-utility gas storage assets at the Mist facility and other long-lived assets not related to NGD.

The weighted average depreciation rate for NGD assets was 3.0% in 2022, 2021, and 2020. The weighted average depreciation rate for assets not related to NGD was 1.8% in 2022, 2021, and 2020.

#### 13. INVESTMENTS

Investments include gas reserves, financial investments in life insurance policies, and equity method investments. The following table summarizes other investments at December 31:

	 NW H	olding	js	 NW N	Natural			
In thousands	2022		2021	2022		2021		
Investments in life insurance policies	\$ 49,358	\$	48,178	\$ 49,358	\$	48,178		
Investments in gas reserves, non-current	22,970		26,608	22,970		26,608		
Investments in unconsolidated affiliates	23,376		14,492	7,782		_		
Total other investments	\$ 95,704	\$	89,278	\$ 80,110	\$	74,786		

#### Investment in Life Insurance Policies

NW Natural has invested in key person life insurance contracts to provide an indirect funding vehicle for certain long-term employee and director benefit plan liabilities. The amount in the above table is reported at cash surrender value, net of policy loans.

#### **NW Natural Gas Reserves**

NW Natural has invested \$188 million through the gas reserves program in the Jonah Field located in Wyoming as of December 31, 2022. Gas reserves are stated at cost, net of regulatory amortization, with the associated deferred tax benefits of \$5.2 million and \$6.9 million, which are recorded as liabilities in the December 31, 2022 and 2021 consolidated balance sheets, respectively. NW Natural's investment is included in NW Holdings' and NW Natural's consolidated balance sheets under other current assets and other investments (non-current portion) with the maximum loss exposure limited to the investment balance. The amount of gas reserves included in other current assets was \$3.4 million and \$5.4 million as of December 31, 2022 and 2021, respectively. The investment in gas reserves provides long-term price protection and acted to hedge the cost of gas for approximately 3% and 4% of NGD gas supplies for the years ended December 31, 2022 and 2021, respectively.

#### **Investments in Unconsolidated Affiliates**

In December 2021, NW Natural Water purchased a 37.3% ownership stake in Avion Water Company, Inc. (Avion Water), an investor-owned water utility for \$14.5 million. In July 2022, NW Natural Water increased its ownership stake in Avion Water to 40.3% for an additional \$1.0 million. Avion Water operates in Bend, Oregon and the surrounding communities, serving approximately 15,000 customer connections and employing 35 people. The carrying value of the equity method investment is \$9.4 million higher than the underlying equity in the net assets of the investee at December 31, 2022 due to equity method goodwill. Equity in earnings (loss) of Avion Water is included in other income (expense), net.

On August 6, 2020, NWN Energy completed the sale of 100% of its interest in Trail West Holdings, LLC (TWH) to an unrelated third party for a purchase price of \$14.0 million, \$7.0 million of which was paid upon closing the transaction, and \$7.0 million of which was paid upon the one-year anniversary of the close date. The completion of the sale resulted in an after-tax gain of approximately \$0.5 million for the year ended December 31, 2020. TWH was a variable interest entity reported under equity method accounting through its sale. The investment in TWH did not meet the criteria to be classified as held for sale or discontinued operations.

In 2020, NW Natural began a partnership with BioCarbN to invest in up to four separate RNG development projects that are designed to access biogas derived from water treatment at Tyson Foods' processing plants, subject to approval by all parties. During the construction phase of the projects, NW Natural determined it is the primary beneficiary and fully consolidates each entity.

In 2022, commissioning of the first project, Lexington Renewable Energy LLC (Lexington), was completed and NW Natural determined it was no longer the primary beneficiary and deconsolidated the variable interest entity and recorded the investment in Lexington as an equity method investment. NW Natural accounts for its interest in Lexington using the equity method of accounting because NW Natural does not control but has the ability to exercise significant influence over Lexington's operations after commissioning. There was no gain or loss recognized upon deconsolidation. NW Natural determined the fair value of the investment approximated the carrying value which was primarily comprised of cash and property, plant and equipment. As of December 31, 2022, NW Natural had an investment balance in Lexington of \$7.8 million. Equity in earnings (loss) of Lexington is included in cost of gas.

#### 2022 Business Combinations

Far West Water & Sewer, Inc.

On October 5, 2022, NWN Water completed the acquisition of the water and wastewater utilities of Far West Water & Sewer, Inc. (Far West), which has a combined approximately 25,000 connections in Yuma, Arizona. The acquisition-date fair value of the total consideration transferred, after closing adjustments, was approximately \$97.0 million, of which \$88.4 million was cash consideration transferred at closing, \$8.1 million was contingent consideration, and \$0.5 million was deferred consideration.

The contingent consideration is an earnout payment in an amount equal to the product of (i) the amount, if any, by which the average annual System Operating Revenue for the 2026, 2027, and 2028 years exceeds \$13.0 million (ii) multiplied by 4 but shall not exceed \$12.0 million. As of the acquisition date, the contingent consideration had a fair value of \$8.1 million and was included in other non-current liabilities. The fair value as of the acquisition date was determined using a scenario-based technique using management's best estimate of forecast revenue for the years 2026, 2027, and 2028 discounted to present value. The inputs to determine the fair value of the contingent consideration include estimated future revenue and a risk-adjusted discount rate. The fair value measurement is based on significant inputs that are not observable in the market and thus represents a fair value measurement categorized within Level 3 of the fair value hierarchy per ASC Topic 820.

The Far West acquisition met the criteria of a business combination, and as such a preliminary allocation of the consideration to the acquired net assets based on their estimated fair value as of the acquisition date was performed. In accordance with U.S. GAAP, the fair value determination involves management judgment in determining the significant estimates and assumptions used and was made using existing regulatory conditions for net assets associated with Far West. This allocation is considered preliminary as of December 31, 2022, as facts and circumstances that existed as of the acquisition date may be discovered as we continue to integrate Far West. As a result, subsequent adjustments to the preliminary valuation of tangible assets, contract assets and liabilities, tax positions, and goodwill may be required. Subsequent adjustments are not expected to be significant, and any such adjustments are expected to be completed within the one-year measurement period. The acquisition costs were expensed as incurred.

Preliminary goodwill of \$70.8 million was recognized from this acquisition. The goodwill recognized is attributable to Far West's regulated water utility service territory, experienced workforce, and the strategic benefits for both the water utility and wastewater services expected from growth in its service territory. No intangible assets aside from goodwill were recognized. The amount of goodwill that is expected to be deductible for income tax purposes is approximately \$61.8 million

The preliminary purchase price for the acquisition has been allocated to the net assets acquired as of the acquisition date and is as follows:

In thousands	December 31, 2022
Current assets	\$ 1,281
Property, plant and equipment	25,744
Goodwill	70,842
Non-current assets	684
Current liabilities	(1,136)
Non-current liabilities	(9,011)
Total net assets acquired	\$ 88,404

The amount of Far West revenues included in NW Holdings' consolidated statements of comprehensive income is \$2.9 million for the year ended December 31, 2022. Earnings from Far West activities for the year ended December 31, 2022 were not material to the results of NW Holdings. Far West is referred to as Foothills Utilities following the closure of the acquisition.

#### Other 2022 Business Combinations

During the year ended December 31, 2022, NWN Water and its subsidiaries acquired the assets of six additional businesses qualifying as business combinations. The aggregate fair value of the preliminary consideration transferred for these acquisitions was \$8.7 million, most of which was preliminarily allocated to property, plant and equipment and goodwill. These transactions align with NW Holdings' water and wastewater sector strategy as it continues to expand its water and wastewater service territories and included:

- Belle Oaks Water and Sewer Co., Inc in Texas
- Northwest Water Services, LLC in Washington
- Aquarius Utilities, LLC in Washington
- · Valiant Idaho, LLC (The Idaho Club Sewer) in Idaho
- Caney Creek in Texas
- Water Necessities, Inc. and Rural Water Co. in Texas

#### 2021 Business Combinations

During the year ended December 31, 2021, NWN Water and its subsidiaries completed four acquisitions qualifying as business combinations. The aggregate fair value of the consideration transferred for these acquisitions were not material and are not significant to NW Holdings' results of operations.

#### **2020 Business Combinations**

During the year ended December 31, 2020, NWN Water and its subsidiaries completed two significant acquisitions qualifying as business combinations. The aggregate fair value of the total cash consideration transferred for these acquisitions was \$38.1 million, most of which was allocated to property, plant and equipment and goodwill. These transactions align with NW Holdings' water sector strategy as it continues to expand its water services territories in the Pacific Northwest and beyond and included:

- Suncadia Water Company, LLC and Suncadia Environmental Company, LLC which were acquired by NWN Water of Washington on January 31, 2020, and
- T&W Water Service Company which was acquired by NWN Water of Texas on March 2, 2020. T&W Water Service Company is referred to as Blue Topaz Utilities following the closure of the acquisition.

#### Other 2020 Business Combinations

During the year ended December 31, 2020, NWN Water completed three additional acquisitions, comprised of four water systems and one wastewater system, which qualified as business combinations. The aggregate fair value of the consideration transferred for these acquisitions was approximately \$1.5 million. These business combinations were not significant to NW Holdings' results of operations.

#### Goodwill

NW Holdings allocates goodwill to reporting units based on the expected benefit from the business combination. We perform an annual impairment assessment of goodwill at the reporting unit level, or more frequently if events and circumstances indicate that goodwill might be impaired. An impairment loss is recognized if the carrying value of a reporting unit's goodwill exceeds its fair value.

As a result of all acquisitions completed, total goodwill was \$149.3 million as of December 31, 2022 and \$70.6 million as of December 31, 2021. The increase in the goodwill balance was primarily due to additions associated with our acquisitions in the water and wastewater sector. All of our goodwill is related to water and wastewater acquisitions and is included in the other category for segment reporting purposes. The annual impairment assessment of goodwill occurs in the fourth quarter of each year. There have been no impairments recognized to date.

#### **15. DERIVATIVE INSTRUMENTS**

#### NW Natural

NW Natural enters into financial derivative contracts to hedge a portion of the NGD segment's natural gas sales requirements. These contracts include swaps, options, and combinations of option contracts. These derivative financial instruments are primarily used to manage commodity price variability. A small portion of NW Natural's derivative hedging strategy involves foreign currency forward contracts.

NW Natural enters into these financial derivatives, up to prescribed limits, primarily to hedge price variability related to term physical gas supply contracts as well as to hedge spot purchases of natural gas. The foreign currency forward contracts are used to hedge the fluctuation in foreign currency exchange rates for pipeline demand charges paid in Canadian dollars.

In the normal course of business, NW Natural also enters into indexed-price physical forward natural gas commodity purchase contracts and options to meet the requirements of NGD customers. These contracts qualify for regulatory deferral accounting treatment.

NW Natural also enters into exchange contracts related to the third-party asset management of its gas portfolio, some of which are derivatives that do not qualify for hedge accounting or only partial regulatory deferral, but are subject to NW Natural's regulatory sharing agreement. These derivatives are recognized in operating revenues, net of amounts shared with NGD customers.

#### **Notional Amounts**

The following table presents the absolute notional amounts related to open positions on NW Natural derivative instruments:

		At December 31,								
In thousands	2022									
Natural gas (in therms):										
Financial		852,435		618,815						
Physical		463,254		431,628						
Foreign exchange	\$	7,617	\$	6,268						

#### Purchased Gas Adjustment (PGA)

Under the PGA mechanism in Oregon, derivatives entered into by NW Natural for the procurement or hedging of natural gas for future gas years generally receive regulatory deferral accounting treatment. In general, commodity hedging for the current gas year is completed prior to the start of the gas year, and hedge prices are reflected in the weighted-average cost of gas in the PGA filing. Rates and hedging approaches may vary between states due to different rate structures and mechanisms. In addition, as required with the Washington PGA filing, NW Natural incorporated and began implementing risk-responsive hedging strategies for its Washington gas supplies. Hedge contracts entered into after the start of the PGA period are subject to the PGA incentive sharing mechanism in Oregon. NW Natural entered the 2022-23 and 2021-22 gas years with forecasted sales volumes hedged at 67% and 60% in financial swap and option contracts, and 17% and 19% in physical gas supplies, respectively. Hedge contracts entered into after the PGA for the 2022-23 gas year. Hedge contracts entered into after the PGA for the 2022-23 gas year. Hedge contracts entered into after the PGA for the 2022-23 gas year. Hedge contracts entered into after the PGA for the 2022-23 gas year. Hedge contracts entered into after the PGA filing, and related to subsequent gas years, may be included in future PGA filings and qualify for regulatory deferral.

#### Unrealized and Realized Gain/Loss

The following table reflects the income statement presentation for the unrealized gains and losses from NW Natural's derivative instruments:

	 Decembe	r 31	, 2022		Decembe	r 31, 2021		
In thousands	Natural gas Foreign commodity exchange				atural gas ommodity	Foreign exchange		
Benefit (expense) to cost of gas	\$ 119,935	\$	(165)	\$	36,539	\$	(26)	
Operating revenues (expense)	_		_		(26)		_	
Amounts deferred to regulatory accounts on balance sheet	 (119,935)		165		(36,517)		26	
Total gain (loss) in pre-tax earnings	\$ _	\$	_	\$	(4)	\$		

#### Unrealized Gain/Loss

Outstanding derivative instruments related to regulated NGD operations are deferred in accordance with regulatory accounting standards. The cost of foreign currency forward and natural gas derivative contracts are recognized immediately in the cost of gas; however, costs above or below the amount embedded in the current year PGA are subject to a regulatory deferral tariff and therefore, are recorded as a regulatory asset or liability.

#### Realized Gain/Loss

NW Natural realized net gains of \$107.8 million and \$50.9 million for the years ended December 31, 2022 and 2021, respectively, from the settlement of natural gas financial derivative contracts. Realized gains and losses offset the higher or lower cost of gas purchased, resulting in no incremental amounts to collect or refund to customers.

#### Credit Risk Management of Financial Derivatives Instruments

No collateral was posted with or by NW Natural counterparties as of December 31, 2022 or 2021. NW Natural attempts to minimize the potential exposure to collateral calls by diversifying counterparties and using credit limits to manage liquidity risk. Counterparties generally allow a certain credit limit threshold before requiring NW Natural to post collateral against unrealized loss positions. Given NW Natural's credit ratings, counterparty credit limits and portfolio diversification, it was not subject to collateral calls in 2022 or 2021. The collateral call exposure is set forth under credit support agreements, which generally contain credit limits. NW Natural could also be subject to collateral call exposure where it has agreed to provide adequate assurance, which is not specific as to the amount of credit limit allowed, but could potentially require additional collateral posting by NW Natural in the event of a material adverse change.

NW Natural's financial derivative instruments are subject to master netting arrangements; however, they are presented on a gross basis in the consolidated balance sheets. NW Natural and its counterparties have the ability to set-off obligations to each other under specified circumstances. Such circumstances may include a defaulting party, a credit change due to a merger affecting either party, or any other termination event.

If netted by counterparty, NW Natural's physical and financial derivative position would result in an asset of \$153.3 million and a liability of \$3.6 million as of December 31, 2022, and an asset of \$51.8 million and a liability of \$3.8 million as of December 31, 2021.

NW Natural is exposed to derivative credit and liquidity risk primarily through securing fixed price natural gas commodity swaps with financial counterparties. NW Natural utilizes master netting arrangements through International Swaps and Derivatives Association contracts to minimize this risk along with collateral support agreements with counterparties based on their credit ratings. Additionally, NW Natural uses counterparty, industry, sector and country diversification to minimize credit risk. In certain cases, NW Natural may require counterparties to post collateral, guarantees, or letters of credit to maintain its minimum credit requirement standards.

NW Natural's financial derivatives policy requires counterparties to have an investment-grade credit rating at the time the derivative instrument is entered into, and specifies limits on the contract amount and duration based on each counterparty's credit rating. NW Natural does not speculate in derivatives. Derivatives are used to reduce NW Natural's net market risk and hedge exposure above risk tolerance limits. It is required that increases in market risk created by the use of derivatives is offset by the exposures they modify.

We actively monitor NW Natural's derivative credit exposure and place counterparties on hold for trading purposes or require other forms of credit assurance, such as letters of credit, cash collateral, or guarantees as circumstances warrant. The ongoing assessment of counterparty credit risk includes consideration of credit ratings, credit default swap spreads, bond market credit spreads, financial condition, government actions, and market news. A Monte Carlo simulation model is used to estimate the change in credit and liquidity risk from the volatility of natural gas prices. The results of the model are used to establish trading limits. NW Natural's outstanding financial derivatives at December 31, 2022 mature by November 1, 2025.

We could become materially exposed to credit risk with one or more of our counterparties if natural gas prices experience a significant increase. If a counterparty were to become insolvent or fail to perform on its obligations, we could suffer a material loss; however, we would expect such a loss to be eligible for regulatory deferral and rate recovery, subject to a prudence review. All of our existing counterparties currently have investment-grade credit ratings.

#### Fair Value

In accordance with fair value accounting, NW Natural includes non-performance risk in calculating fair value adjustments. This includes a credit risk adjustment based on the credit spreads of NW Natural counterparties when in an unrealized gain position, or on NW Natural's own credit spread when it is in an unrealized loss position. The inputs in our valuation models include natural gas futures, volatility, credit default swap spreads, and interest rates. Additionally, the assessment of non-performance risk is generally derived from the credit default swap market and from bond market credit spreads. The impact of the credit risk adjustments for all financial derivatives outstanding was immaterial to the fair value calculation at December 31, 2022. As of December 31, 2022 and 2021, the net fair value was an asset of \$149.7 million and \$48.0 million, respectively, using significant other observable, or Level 2, inputs. No Level 3 inputs were used in our derivative valuations during the years ended December 31, 2022 and 2021.

#### NW Holdings

NW Holdings and NWN Water entered into interest rate swap agreements with major financial institutions that effectively convert variable-rate debt to a fixed rate. Interest payments made between the effective date and expiration date are hedged by the swap agreements. The notional amount, effective date, expiration date and rate of the swap agreements are shown in the table below:

In millions	Notio	nal Amount	Effective Date	Expiration Date	Fixed Rate
NW Holdings	\$	100.0	1/17/2023	3/15/2024	4.7 %
NWN Water	\$	55.0	1/19/2023	6/10/2026	3.8 %

Unrealized gains and losses related to these interest rate swap agreements are recorded in AOCI on the consolidated balance sheet and totaled \$129 thousand, net of tax, as of December 31, 2022. There were no amounts reclassified from AOCI to net income during the year ended December 31, 2022.

#### 16. COMMITMENTS AND CONTINGENCIES

#### Gas Purchase and Pipeline Capacity Purchase and Release Commitments

NW Natural has signed agreements providing for the reservation of firm pipeline capacity under which it is required to make fixed monthly payments for contracted capacity. The pricing component of the monthly payment is established, subject to change, by U.S. or Canadian regulatory bodies, or is established directly with private counterparties, as applicable. In addition, NW Natural has entered into long-term agreements to release firm pipeline capacity. NW Natural also enters into short-term and long-term gas purchase agreements.

In November 2021, NW Natural and a subsidiary of Archaea Energy entered into a long-term RNG purchase and sale agreement. Under the agreement, NW Natural committed to purchase the environmental attributes generated by Archaea related to up to ten million therms of RNG annually from its portfolio of RNG production facilities for a fixed fee for a period of 21 years. The agreement commenced in 2022, with the full annual quantity beginning in 2025.

The aggregate amounts of these agreements at NW Natural were as follows at December 31, 2022:

In thousands		Gas Purchase Agreements ⁽¹⁾	Pipeline Capacity Purchase Agreements	Pipeline Capacity Release Agreements
2023	\$	400,370	\$ 81,691	\$ 8,154
2024		6,376	77,327	7,474
2025		6,426	78,493	3,397
2026		12,003	66,782	—
2027		11,330	66,906	—
Thereafter	_	189,050	 432,464	 
Total		625,555	803,663	19,025
Less: Amount representing interest	_	86,250	 200,243	 989
Total at present value	\$	539,305	\$ 603,420	\$ 18,036

⁽¹⁾ Gas purchase agreements include environmental attributes of RNG.

Total fixed charges under capacity purchase agreements were \$90.2 million for 2022, \$82.9 million for 2021, and \$81.8 million for 2020, of which \$8.3 million, \$7.7 million, and \$4.8 million, respectively, related to capacity releases. In addition, per-unit charges are required to be paid based on the actual quantities shipped under the agreements. In certain take-or-pay purchase commitments, annual deficiencies may be offset by prepayments subject to recovery over a longer term if future purchases exceed the minimum annual requirements.

#### <u>Leases</u>

Refer to Note 7 for a discussion of lease commitments and contingencies.

#### **Environmental Matters**

Refer to Note 17 for a discussion of environmental commitments and contingencies.

#### **17. ENVIRONMENTAL MATTERS**

NW Natural owns, or previously owned, properties that may require environmental remediation or action. The range of loss for environmental liabilities is estimated based on current remediation technology, enacted laws and regulations, industry experience gained at similar sites, and an assessment of the probable level of involvement and financial condition of other potentially responsible parties (PRPs). When amounts are prudently expended related to site remediation of those sites described herein, NW Natural has recovery mechanisms in place to collect 96.7% of remediation costs allocable to Oregon customers and 3.3% of costs allocable to Washington customers.

These sites are subject to the remediation process prescribed by the Environmental Protection Agency (EPA) and the Oregon Department of Environmental Quality (ODEQ). The process begins with a remedial investigation (RI) to determine the nature and extent of contamination and then a risk assessment (RA) to establish whether the contamination at the site poses unacceptable risks to humans and the environment. Next, a feasibility study (FS) or an engineering evaluation/cost analysis (EE/CA) evaluates various remedial alternatives. It is at this point in the process when NW Natural is able to estimate a range of remediation costs and record a reasonable potential remediation liability, or make an adjustment to the existing liability. From this study, the regulatory agency selects a remedy and issues a Record of Decision (ROD). After a ROD is issued, NW Natural would seek to negotiate a consent decree or consent judgment for designing and implementing the remedy. NW Natural would have the ability to further refine estimates of remediation liabilities at that time.

Remediation may include treatment of contaminated media such as sediment, soil and groundwater, removal and disposal of media, institutional controls such as legal restrictions on future property use, or natural recovery. Following construction of the remedy, the EPA and ODEQ also have requirements for ongoing maintenance, monitoring and other post-remediation care that may continue for many years. Where appropriate and reasonably known, NW Natural will provide for these costs in the remediation liabilities described below.

Due to the numerous uncertainties surrounding the course of environmental remediation and the preliminary nature of several site investigations, in some cases, NW Natural may not be able to reasonably estimate the high end of the range of possible loss. In those cases, the nature of the possible loss has been disclosed, as has the fact that the high end of the range cannot be reasonably estimated where a range of potential loss is available. Unless there is an estimate within the range of possible losses that is more likely than other cost estimates within that range, NW Natural records the liability at the low end of this range. It is likely changes in these estimates and ranges will occur throughout the remediation process for each of these sites due to the continued evaluation and clarification concerning responsibility, the complexity of environmental laws and regulations and the determination by regulators of remediation alternatives. In addition to remediation costs, NW Natural could also be subject to

Natural Resource Damages (NRD) claims. NW Natural will assess the likelihood and probability of each claim and recognize a liability if deemed appropriate. Refer to "*Other Portland Harbor*" below.

#### **Environmental Sites**

The following table summarizes information regarding liabilities related to environmental sites, which are recorded in other current liabilities and other noncurrent liabilities in NW Natural's balance sheet at December 31:

	Current Liabilities						Non-Current Liabilit			
In thousands		2022		2021		2022	2021			
Portland Harbor site:										
Gasco/Siltronic Sediments	\$	9,744	\$	7,582	\$	42,120	\$	42,076		
Other Portland Harbor		2,634		2,592		11,270		9,570		
Gasco/Siltronic Upland site		16,067		15,711		35,457		36,215		
Front Street site		457		1,100		879		811		
Oregon Steel Mills		_		_		179		179		
Total	\$	28,902	\$	26,985	\$	89,905	\$	88,851		

Portland Harbor Site

The Portland Harbor is an EPA listed Superfund site that is approximately 10 miles long on the Willamette River and is adjacent to NW Natural's Gasco uplands site. NW Natural is one of over one hundred PRPs, each jointly and severally liable, at the Superfund site. In January 2017, the EPA issued its Record of Decision, which selects the remedy for the clean-up of the Portland Harbor site (Portland Harbor ROD). The Portland Harbor ROD estimates the present value total cost at approximately \$1.05 billion with an accuracy between -30% and +50% of actual costs.

NW Natural's potential liability is a portion of the costs of the remedy for the entire Portland Harbor Superfund site. The cost of that remedy is expected to be allocated among more than one hundred PRPs. NW Natural is participating in a non-binding allocation process with other PRPs in an effort to resolve its potential liability. The Portland Harbor ROD does not provide any additional clarification around allocation of costs among PRPs; accordingly, NW Natural has not modified any of the recorded liabilities at this time as a result of the issuance of the Portland Harbor ROD.

NW Natural manages its liability related to the Superfund site as two distinct remediation projects, the Gasco Sediments Site and Other Portland Harbor projects.

**GASCO SEDIMENTS.** In 2009, NW Natural and Siltronic Corporation entered into a separate Administrative Order on Consent with the EPA to evaluate and design specific remedies for sediments adjacent to the Gasco uplands and Siltronic uplands sites. NW Natural submitted a draft EE/CA to the EPA in May 2012 to provide the estimated cost of potential remedial alternatives for this site. In March 2020, NW Natural and the EPA amended the Administrative Order on Consent to include additional remedial design activities downstream of the Gasco sediments site and in the navigation channel. Siltronic Corporation is not a party to the amended order. In the second quarter of 2021, NW Natural began preliminary design discussions with the EPA for the Gasco sediments site. These preliminary design discussions did not include a cost estimate for cleanup. No design alternatives are more likely than the EE/CA alternatives at this time, and NW Natural expects further design discussion and iteration with the EPA.

The estimated costs for the various sediment remedy alternatives in the draft EE/CA for the additional studies and design work needed before the cleanup can occur, and for regulatory oversight throughout the cleanup range from \$51.9 million to \$350 million. NW Natural has recorded a liability of \$51.9 million for the Gasco sediment clean-up, which reflects the low end of the range. At this time, we believe sediments at the Gasco sediments site represent the largest portion of NW Natural's liability related to the Portland Harbor site discussed above.

**OTHER PORTLAND HARBOR.** While we believe liabilities associated with the Gasco sediments site represent NW Natural's largest exposure, there are other potential exposures associated with the Portland Harbor ROD, including NRD costs and harborwide remedial design and cleanup costs (including downstream petroleum contamination), for which allocations among the PRPs have not yet been determined.

NW Natural and other parties have signed a cooperative agreement with the Portland Harbor Natural Resource Trustee council to participate in a phased NRD assessment to estimate liabilities to support an early restoration-based settlement of NRD claims. One member of this Trustee council, the Yakama Nation, withdrew from the council in 2009, and in 2017, filed suit against NW Natural and 29 other parties seeking remedial costs and NRD assessment costs associated with the Portland Harbor site, set forth in the complaint. The complaint seeks recovery of alleged costs totaling \$0.3 million in connection with the selection of a remedial action for the Portland Harbor site as well as declaratory judgment for unspecified future remedial action costs and for costs to assess the injury, loss or destruction of natural resources resulting from the release of hazardous substances at and from the Portland Harbor site. The Yakama Nation has filed two amended complaints addressing certain pleading defects and

dismissing the State of Oregon. On the motion of NW Natural and certain other defendants the federal court has stayed the case pending the outcome of the non-binding allocation proceeding discussed above. NW Natural has recorded a liability for NRD claims which is at the low end of the range of the potential liability; the high end of the range cannot be reasonably estimated at this time. The NRD liability is not included in the aforementioned range of costs provided in the Portland Harbor ROD.

#### Gasco Uplands Site

A predecessor of NW Natural, Portland Gas and Coke Company, owned a former gas manufacturing plant that was closed in 1958 (Gasco site) and is adjacent to the Portland Harbor site described above. The Gasco site has been under investigation by NW Natural for environmental contamination under the ODEQ Voluntary Cleanup Program (VCP). It is not included in the range of remedial costs for the Portland Harbor site noted above. The Gasco site is managed in two parts, the uplands portion and the groundwater source control action.

NW Natural submitted a revised Remedial Investigation Report for the uplands to ODEQ in May 2007. In March 2015, ODEQ approved the Risk Assessment (RA) for this site, enabling commencement of work on the FS in 2016. NW Natural has recognized a liability for the remediation of the uplands portion of the site which is at the low end of the range of potential liability; the high end of the range cannot be reasonably estimated at this time.

In October 2016, ODEQ and NW Natural agreed to amend their VCP agreement for the Gasco uplands to incorporate a portion of the Siltronic property formerly owned by Portland Gas & Coke between 1939 and 1960 into the Gasco RA and FS. Previously, NW Natural was conducting an investigation of manufactured gas plant constituents on the entire Siltronic uplands for ODEQ. Siltronic will be working with ODEQ directly on environmental impacts to the remainder of its property.

In September 2013, NW Natural completed construction of a groundwater source control system, including a water treatment station, at the Gasco site. NW Natural has estimated the cost associated with the ongoing operation of the system and has recognized a liability which is at the low end of the range of potential cost. NW Natural cannot estimate the high end of the range at this time due to the uncertainty associated with the duration of running the water treatment station, which is highly dependent on the remedy determined for both the upland portion as well as the final remedy for the Gasco sediments site.

#### Other Sites

In addition to those sites above, NW Natural has environmental exposures at three other sites: Central Service Center, Front Street and Oregon Steel Mills. NW Natural may have exposure at other sites that have not been identified at this time. Due to the uncertainty of the design of remediation, regulation, timing of the remediation and in the case of the Oregon Steel Mills site, pending litigation, liabilities for each of these sites have been recognized at their respective low end of the range of potential liability; the high end of the range could not be reasonably estimated at this time.

**FRONT STREET SITE.** The Front Street site was the former location of a gas manufacturing plant NW Natural operated (the former Portland Gas Manufacturing site, or PGM). At ODEQ's request, NW Natural conducted a sediment and source control investigation and provided findings to ODEQ. In December 2015, an FS on the former Portland Gas Manufacturing site was completed.

In July 2017, ODEQ issued the PGM ROD. The ROD specifies the selected remedy, which requires a combination of dredging, capping, treatment, and natural recovery. In addition, the selected remedy also requires institutional controls and long-term inspection and maintenance. Construction of the remedy began in July 2020 and was completed in October 2020. The first year of post-construction monitoring was completed in 2021 and demonstrated that the cap was intact and performing as designed. NW Natural has recognized an additional liability of \$1.3 million for costs associated with the discovery during construction of World War II-era munitions, design costs, regulatory and permitting issues, and post-construction work.

OREGON STEEL MILLS SITE. Refer to "Legal Proceedings," below.

#### **Environmental Cost Deferral and Recovery**

NW Natural has authorizations in Oregon and Washington to defer costs related to remediation of properties that are owned or were previously owned by NW Natural. In Oregon, a Site Remediation and Recovery Mechanism (SRRM) is currently in place to recover prudently incurred costs allocable to Oregon customers, subject to an earnings test. On October 21, 2019 the WUTC authorized an Environmental Cost Recovery Mechanism (ECRM) for recovery of prudently incurred costs allocable to Washington customers beginning November 1, 2019.

The following table presents information regarding the total regulatory asset deferred as of December 31:

In thousands	2	022	2021
Deferred costs and interest ⁽¹⁾	\$	47,666 \$	45,122
Accrued site liabilities ⁽²⁾		118,763	115,773
Insurance proceeds and interest		(54,784)	(59,564)
Total regulatory asset deferral ⁽¹⁾	\$	111,645 \$	101,331
Current regulatory assets ⁽³⁾	\$	7,392 \$	6,694
Long-term regulatory assets ⁽³⁾	\$	104,253 \$	94,636

⁽¹⁾ Includes pre-review and post-review deferred costs, amounts currently in amortization, and interest, net of amounts collected from customers.

- (2) Excludes 3.3% of the Front Street site liability as the OPUC only allows recovery of 96.7% of costs for those sites allocable to Oregon, including those that historically served only Oregon customers. Amounts excluded from regulatory assets were \$43 thousand in 2022 and \$62 thousand in 2021.
- ⁽³⁾ Environmental costs relate to specific sites approved for regulatory deferral by the OPUC and WUTC. In Oregon, NW Natural earns a carrying charge on cash amounts paid, whereas amounts accrued but not yet paid do not earn a carrying charge until expended. It also accrues a carrying charge on insurance proceeds for amounts owed to customers. In Washington, neither the cash paid nor insurance proceeds received accrue a carrying charge. Current environmental costs represent remediation costs management expects to collect from customers in the next 12 months. Amounts included in this estimate are still subject to a prudence and earnings test review by the OPUC and do not include the \$5.0 million tariff rider. The amounts allocable to Oregon are recoverable through NGD rates, subject to an earnings test. See "Oregon SRRM" below.

#### **Oregon SRRM**

#### Collections From Oregon Customers

Under the SRRM collection process, there are three types of deferred environmental remediation expense:

- Pre-review This class of costs represents remediation spend that has not yet been deemed prudent by the OPUC. Carrying
  costs on these remediation expenses are recorded at NW Natural's authorized cost of capital. NW Natural anticipates the
  prudence review for annual costs and approval of the earnings test prescribed by the OPUC to occur by the third quarter of
  the following year.
- Post-review This class of costs represents remediation spend that has been deemed prudent and allowed after applying the earnings test, but is not yet included in amortization. NW Natural earns a carrying cost on these amounts at a rate equal to the five-year treasury rate plus 100 basis points.
- Amortization This class of costs represents amounts included in current customer rates for collection and is generally
  calculated as one-fifth of the post-review deferred balance. NW Natural earns a carrying cost equal to the amortization rate
  determined annually by the OPUC, which approximates a short-term borrowing rate.

In addition to the collection amount noted above, an order issued by the OPUC provides for the annual collection of \$5.0 million from Oregon customers through a tariff rider. As NW Natural collects amounts from customers, it recognizes these collections as revenue and separately amortizes an equal and offsetting amount of its deferred regulatory asset balance through the environmental remediation operating expense line shown separately in the operating expense section of the income statement.

NW Natural received total environmental insurance proceeds of approximately \$150 million as a result of settlements from litigation that was dismissed in July 2014. Under a 2015 OPUC order which established the SRRM, one-third of the Oregon allocated proceeds were applied to costs deferred through 2012 with the remaining two-thirds applied to costs at a rate of \$5.0 million per year plus interest over the following 20 years. NW Natural accrues interest on the Oregon allocated insurance proceeds in the customer's favor at a rate equal to the five-year treasury rate plus 100 basis points. As of December 31, 2022, NW Natural has applied \$95.0 million of insurance proceeds to prudently incurred remediation costs allocated to Oregon.

#### Environmental Earnings Test

To the extent NW Natural earns at or below its authorized Return on Equity (ROE) as defined by the SRRM, remediation expenses and interest in excess of the \$5.0 million tariff rider and \$5.0 million insurance proceeds are recoverable through the SRRM. To the extent NW Natural earns more than its authorized ROE in a year, it is required to cover environmental expenses and interest on expenses greater than the \$10.0 million with those earnings that exceed its authorized ROE.

#### Washington ECRM

#### Washington Deferral

On October 21, 2019, the WUTC issued an order (WUTC Order) establishing the ECRM which allows for recovery of past deferred and future prudently incurred environmental remediation costs allocable to Washington customers through application of insurance proceeds and collections from customers. Environmental remediation expenses relating to sites that previously served both Oregon and Washington customers are allocated between states with Washington customers receiving 3.3% percent of the costs and insurance proceeds.

In accordance with the WUTC Order, insurance proceeds were fully applied to costs incurred between December 2018 and June 2019 that were deemed prudent. Remaining insurance proceeds will be amortized over a 10.5 year period ending December 31, 2029. As of December 31, 2022, approximately \$3.9 million of proceeds have been applied to prudently incurred costs.

On an annual basis, NW Natural files for a prudence determination and a request to amortize costs to the extent that remediation expenses exceed the insurance amortization. After insurance proceeds are fully amortized, if in a particular year the request to collect deferred amounts exceeds one percent of Washington normalized revenues, then the excess will be collected over three years with interest.

#### Legal Proceedings

NW Holdings is not currently party to any direct claims or litigation, though in the future it may be subject to claims and litigation arising in the ordinary course of business.

NW Natural is subject to claims and litigation arising in the ordinary course of business, including the matters discussed above. Although the final outcome of any of these legal proceedings cannot be predicted with certainty, including the matter relating to the Oregon Steel Mills site referenced below, NW Natural and NW Holdings do not expect that the ultimate disposition of any of these matters will have a material effect on their financial condition, results of operations, or cash flows. See also Part II, Item 1, "Legal Proceedings".

#### Oregon Steel Mills Site

In 2004, NW Natural was served with a third-party complaint by the Port of Portland (the Port) in a Multnomah County Circuit Court case, Oregon Steel Mills, Inc. v. The Port of Portland. The Port alleges that in the 1940s and 1950s petroleum wastes generated by NW Natural's predecessor, Portland Gas & Coke Company, and 10 other third-party defendants, were disposed of in a waste oil disposal facility operated by the United States or Shaver Transportation Company on property then owned by the Port and now owned by Evraz Oregon Steel Mills. The complaint seeks contribution for unspecified past remedial action costs incurred by the Port regarding the former waste oil disposal facility as well as a declaratory judgment allocating liability for future remedial action costs. No date has been set for trial. In August 2017, the case was stayed pending the outcome of the Portland Harbor allocation process or other mediation. Although the final outcome of this proceeding cannot be predicted with certainty, NW Natural and NW Holdings do not expect the ultimate disposition of this matter will have a material effect on NW Natural's or NW Holdings' financial condition, results of operations, or cash flows.

For additional information regarding other commitments and contingencies, see Note 16.

#### **18. DISCONTINUED OPERATIONS**

#### **NW Holdings**

On June 20, 2018, NWN Gas Storage, then a wholly-owned subsidiary of NW Natural, entered into a Purchase and Sale Agreement (the Agreement) that provided for the sale by NWN Gas Storage of all of the membership interests in Gill Ranch. Gill Ranch owns a 75% interest in the natural gas storage facility located near Fresno, California known as the Gill Ranch Gas Storage Facility.

On December 4, 2020, NWN Gas Storage closed the sale of all of the membership interests in Gill Ranch and received payment of the initial cash purchase price of \$13.5 million less the \$1.0 million deposit previously paid. Furthermore, additional payments to NWN Gas Storage may be made subject to a maximum amount of \$15.0 million in the aggregate (subject to a working capital adjustment) based on the economic performance of Gill Ranch for each full gas storage year (April 1 of one year through March 31 of the following year) occurring after the closing and the remaining portion of the 2020-2021 gas storage year and will continue until such time as the maximum amount has been paid. The fair value of this arrangement at the closing date was zero based on a discounted cash flow forecast. Subsequent changes in the fair value will be recorded in earnings. The completion of the sale resulted in an after-tax gain of \$5.9 million for the year ended December 31, 2020.

The following table presents the operating results of Gill Ranch and is presented net of tax on NW Holdings' consolidated statements of comprehensive income:

	NW Holdings Discontinued Opera	
In thousands	2020	
Revenues	\$ 10	0,193
Expenses		
Operations and maintenance	7	7,931
General taxes		198
Depreciation		391
Other expenses and interest		848
Total expenses	ç	9,368
Income from discontinued operations		825
Gain on sale of discontinued operations	8	3,027
Income from discontinued operations before income tax	8	3,852
Income tax expense ⁽¹⁾	2	2,344
Income from discontinued operations, net of tax	\$ 6	6,508

⁽¹⁾ Includes income tax expense of \$2.1 million related to the sale of Gill Ranch for the year ended December 31, 2020.

As a result of the disposition of the membership interests of Gill Ranch, there were no assets or liabilities classified as held for sale at December 31, 2020.

#### **19. SUBSEQUENT EVENT**

On January 6, 2023, NW Natural issued and sold \$100.0 million aggregate principal amount of its FMBs, 5.43% Series due January 6, 2053 (the Bonds), to certain institutional investors pursuant to a Bond Purchase Agreement dated December 13, 2022. The Bonds bear interest at the rate of 5.43% per annum, payable semi-annually on January 6 and July 6 of each year, commencing July 6, 2023, and will mature on January 6, 2053. The Bonds will be subject to redemption prior to maturity at the option of NW Natural, in whole or in part, (i) at any time prior to July 6, 2052, at a redemption price equal to 100% of the principal amount thereof plus a "make-whole" premium and accrued and unpaid interest thereon to the date of redemption, and (ii) at any time on and after July 6, 2052, at 100% of the principal amount thereof plus accrued and unpaid interest thereon to the date of redemption.

The Bond Purchase Agreement also provides for the issuance of \$80.0 million aggregate principal amount of NW Natural's FMBs, 5.18% Series due 2034 (5.18% Bonds) and \$50.0 million aggregate principal amount of NW Natural's FMBs, 5.23% Series due 2038 (5.23% Bonds). The 5.18% Bonds and the 5.23% Bonds are expected to be issued on or about August 4, 2023.

# SCHEDULE I - CONDENSED FINANCIAL INFORMATION OF NORTHWEST NATURAL HOLDING COMPANY

### NORTHWEST NATURAL HOLDING COMPANY

#### CONDENSED STATEMENTS OF COMPREHENSIVE INCOME (PARENT COMPANY ONLY)

	Year Ended December 31,									
In thousands		2022		2021		2020				
Operating expenses:										
Operations and maintenance	\$	3,828	\$	4,837	\$	771				
Total operating expenses		3,828		4,837		771				
Loss from operations		(3,828)		(4,837)		(771)				
Earnings from investment in subsidiaries, net of tax		92,727		83,072		78,450				
Other income (expense), net		60		(143)		57				
Interest expense, net		4,967		982		1,557				
Income before income taxes		83,992		77,110		76,179				
Income tax benefit		(2,311)		(1,556)		(602)				
Net income		86,303		78,666		76,781				
Other comprehensive income (loss) from subsidiaries, net of tax		5,108		1,498		(2,169)				
Unrealized gain on interest rate swap, net of tax		11								
Comprehensive income	\$	91,422	\$	80,164	\$	74,612				

See Notes to Condensed Financial Statements

### NORTHWEST NATURAL HOLDING COMPANY

### CONDENSED BALANCE SHEETS

(PARENT COMPANY ONLY)

Assets:       Current assets:         Cash and cash equivalents       \$ 7,280 \$ 265         Receivables from affiliates       9,967       2,180         Other current assets       2,895       11,348         Total current assets       20,142       13,793         Non-current assets:       1,357,599       1,080,949         Other investments in subsidiaries       1,4       42         Deferred tax assets       520       383         Other non-current assets       486       613         Total non-current assets       1,358,619       1,081,987         Total assets       51,378,761       \$ 1,095,780         Liabilities and equity:       1,378,761       \$ 1,095,780         Liabilities:       Short-term debt       \$ 88,000       \$ 144,000         Accounts payable       402       286         Payables to affiliates       14,665       16,105         Other current liabilities       295       243         Total current liabilities       103,362       160,634         Long-term debt       99,958          Total equity       1,175,441       935,146		As of Dec	As of December 31,						
Current assets:       \$ 7,280 \$ 265         Receivables from affiliates       9,967       2,180         Other current assets       2,895       11,348         Total current assets       20,142       13,793         Non-current assets:       1,357,599       1,080,949         Other investments in subsidiaries       1,4       42         Deferred tax assets       520       383         Other non-current assets       486       613         Total non-current assets       1,358,619       1,081,987         Total assets       1,358,619       1,095,780         Liabilities and equity:       \$ 1,378,761 \$ 1,095,780         Liabilities:       \$ 1,378,761 \$ 1,095,780         Short-term debt       402       286         Payables to affiliates       14,665       16,105         Other current liabilities       295       243         Total current liabilities       103,362       160,634         Long-term debt       99,958          Total equity       1,175,441       935,146	In thousands	2022		2021					
Cash and cash equivalents       \$ 7,280 \$ 265         Receivables from affiliates       9,967       2,180         Other current assets       2,895       11,348         Total current assets       20,142       13,793         Non-current assets       20,142       13,793         Investments in subsidiaries       1,357,599       1,080,949         Other investments       14       42         Deferred tax assets       520       383         Other non-current assets       486       613         Total non-current assets       1,358,619       1,081,987         Total assets       \$ 1,378,761       1,095,760         Liabilities and equity:       \$ 1,378,761       1,095,760         Liabilities:       \$ 1,378,761       \$ 1,095,760         Short-term debt       \$ 88,000       \$ 144,000         Accounts payable       402       286         Payables to affiliates       14,665       16,105         Other current liabilities       295       243         Total current liabilities       103,362       160,634         Long-term debt       99,958       -         Total equity       1,175,441       935,146	Assets:								
Receivables from affiliates       9,967       2,180         Other current assets       2,895       11,348         Total current assets       20,142       13,793         Non-current assets:       1,357,599       1,080,949         Other investments in subsidiaries       1,357,599       1,080,949         Other investments       14       42         Deferred tax assets       520       383         Other non-current assets       486       613         Total non-current assets       1,358,619       1,081,987         Total assets       1,378,761       1,095,780         Liabilities and equity:       \$       88,000       \$         Current liabilities:       \$       1,095,780         Short-term debt       \$       88,000       \$         Accounts payable       402       286         Payables to affiliates       14,665       16,105         Other current liabilities       295       243         Total current liabilities       103,362       160,634         Long-term debt       99,958	Current assets:								
Other current assets         2,895         11,348           Total current assets         20,142         13,793           Non-current assets:         1,357,599         1,080,949           Other investments in subsidiaries         1,4         42           Deferred tax assets         520         383           Other non-current assets         486         613           Total non-current assets         1,358,619         1,081,987           Total assets         1,358,619         1,095,780           Liabilities and equity:         1,378,761         1,095,780           Current liabilities:         \$         88,000         144,000           Accounts payable         402         286           Payables to affiliates         14,665         16,105           Other current liabilities         295         243           Total current liabilities         295         243           Total current liabilities         103,362         160,634           Long-term debt         99,958	Cash and cash equivalents	\$ 7,280	\$	265					
Total current assets         20,142         13,793           Non-current assets:         1,357,599         1,080,949           Other investments in subsidiaries         1,4         42           Deferred tax assets         520         383           Other non-current assets         486         613           Total non-current assets         1,358,619         1,081,987           Total assets         1,378,761         \$ 1,095,780           Liabilities and equity:         \$ 1,378,761         \$ 1,095,780           Liabilities:         \$ 88,000         \$ 144,000           Accounts payable         402         286           Payables to affiliates         14,665         16,105           Other current liabilities         295         243           Total current liabilities         103,362         160,634           Long-term debt         99,958	Receivables from affiliates	9,967		2,180					
Non-current assets:         1,357,599         1,080,949           Other investments         14         42           Deferred tax assets         520         383           Other non-current assets         486         613           Total non-current assets         1,358,619         1,081,987           Total assets         1,358,619         1,095,780           Liabilities and equity:         \$         1,378,761         \$         1,095,780           Liabilities:         \$         1,378,761         \$         1,095,780           Liabilities:         \$         1,095,780         \$         1,095,780           Current liabilities:         \$         5,000         \$         144,000           Accounts payable         402         286         \$         16,053         16,105         \$         16,053         16,053         \$         16,053         \$         160,634         \$         160,634         \$         99,958         \$         <	Other current assets	2,895		11,348					
Investments in subsidiaries       1,357,599       1,080,949         Other investments       14       42         Deferred tax assets       520       383         Other non-current assets       486       613         Total non-current assets       1,358,619       1,081,987         Total assets       \$ 1,378,761       \$ 1,095,780         Liabilities and equity:       \$ 1,378,761       \$ 1,095,780         Current liabilities:       \$ 1,378,761       \$ 1,095,780         Short-term debt       \$ 88,000       \$ 144,000         Accounts payable       402       286         Payables to affiliates       14,665       16,105         Other current liabilities       295       243         Total current liabilities       103,362       160,634         Long-term debt       99,958       -         Total equity       1,175,441       935,146	Total current assets	20,142		13,793					
Other investments       14       42         Deferred tax assets       520       383         Other non-current assets       486       613         Total non-current assets       1,358,619       1,081,987         Total assets       \$ 1,378,761 \$ 1,095,780         Liabilities and equity:       \$ 1,378,761 \$ 1,095,780         Current liabilities:       \$ 88,000 \$ 144,000         Accounts payable       402       286         Payables to affiliates       14,665       16,105         Other current liabilities       295       243         Total current liabilities       103,362       160,634         Long-term debt       99,958       -         Total equity       1,175,441       935,146	Non-current assets:								
Deferred tax assets       520       383         Other non-current assets       486       613         Total non-current assets       1,358,619       1,081,987         Total assets       \$ 1,378,761       \$ 1,095,780         Liabilities and equity:       \$ 1,378,761       \$ 1,095,780         Current liabilities:       \$ 88,000       \$ 144,000         Accounts payable       402       286         Payables to affiliates       14,665       16,105         Other current liabilities       295       243         Total current liabilities       103,362       160,634         Long-term debt       99,958       -         Total equity       1,175,441       935,146	Investments in subsidiaries	1,357,599		1,080,949					
Other non-current assets       486       613         Total non-current assets       1,358,619       1,081,987         Total assets       \$ 1,378,761       \$ 1,095,780         Liabilities and equity:       \$ 1,378,761       \$ 1,095,780         Current liabilities:       \$ 88,000       \$ 144,000         Accounts payable       402       286         Payables to affiliates       14,665       16,105         Other current liabilities       295       243         Total current liabilities       103,362       160,634         Long-term debt       99,958	Other investments	14		42					
Total non-current assets       1,358,619       1,081,987         Total assets       \$ 1,378,761       \$ 1,095,780         Liabilities and equity:       Current liabilities:       \$ 88,000       \$ 144,000         Accounts payable       402       286         Payables to affiliates       144,665       16,105         Other current liabilities       295       243         Total current liabilities       103,362       160,634         Long-term debt       99,958       —         Total equity       1,175,441       935,146	Deferred tax assets	520		383					
Total assets       \$ 1,378,761       \$ 1,095,780         Liabilities and equity:       Current liabilities:	Other non-current assets	486		613					
Liabilities and equity: Current liabilities: Short-term debt \$88,000 \$144,000 Accounts payable 402 286 Payables to affiliates 14,665 16,105 Other current liabilities 295 243 Total current liabilities 103,362 160,634 Long-term debt 99,958	Total non-current assets	1,358,619		1,081,987					
Current liabilities:       \$ 88,000 \$ 144,000         Accounts payable       402 286         Payables to affiliates       14,665 16,105         Other current liabilities       295 243         Total current liabilities       103,362 160,634         Long-term debt       99,958 —         Total equity       1,175,441 935,146	Total assets	\$ 1,378,761	\$	1,095,780					
Short-term debt       \$ 88,000       \$ 144,000         Accounts payable       402       286         Payables to affiliates       14,665       16,105         Other current liabilities       295       243         Total current liabilities       103,362       160,634         Long-term debt       99,958       —         Total equity       1,175,441       935,146	Liabilities and equity:								
Accounts payable       402       286         Payables to affiliates       14,665       16,105         Other current liabilities       295       243         Total current liabilities       103,362       160,634         Long-term debt       99,958	Current liabilities:								
Payables to affiliates14,66516,105Other current liabilities295243Total current liabilities103,362160,634Long-term debt99,958—Total equity1,175,441935,146	Short-term debt	\$ 88,000	\$	144,000					
Other current liabilities         295         243           Total current liabilities         103,362         160,634           Long-term debt         99,958         —           Total equity         1,175,441         935,146	Accounts payable	402		286					
Total current liabilities         103,362         160,634           Long-term debt         99,958         —           Total equity         1,175,441         935,146	Payables to affiliates	14,665		16,105					
Long-term debt         99,958            Total equity         1,175,441         935,146	Other current liabilities	295		243					
Total equity 1,175,441 935,146	Total current liabilities	103,362		160,634					
	Long-term debt	99,958							
Total liabilities and equity         \$ 1,378,761         \$ 1,095,780	Total equity	1,175,441		935,146					
	Total liabilities and equity	\$ 1,378,761	\$	1,095,780					

See Notes to Condensed Financial Statements

### NORTHWEST NATURAL HOLDING COMPANY CONDENSED STATEMENTS OF CASH FLOWS (PARENT COMPANY ONLY)

	Year Ended December 31,								
In thousands		2022	2021		2020				
Operating activities:									
Net income	\$	86,303	\$ 78,666	\$	76,781				
Adjustments to reconcile net income to cash used in operations:									
Equity in earnings of subsidiaries, net of tax		(92,727)	(83,072)	)	(78,450)				
Cash dividends received from subsidiaries		62,710	56,057		55,387				
Deferred income taxes		(141)	(212	)	20				
Other		142	119		65				
Changes in assets and liabilities:									
Receivables from affiliates		(7,787)	12,558		(12,788)				
Income and other taxes		8,161	1,299		(7,451)				
Accounts payable		(2,499)	3,342		8,809				
Interest accrued		156	57		77				
Other, net		(211)	(313)	)	(364)				
Cash provided by operating activities		54,107	68,501		42,086				
Investing activities:									
Contributions to subsidiaries		(241,497)	(142,405	)	(47,194)				
Return of capital from subsidiaries			26,000		19,000				
Cash used in investing activities		(241,497)	(116,405	)	(28,194)				
Financing activities:									
Proceeds from common stock issued, net		208,561	17,501		—				
Long-term debt issued		100,000	—		—				
Changes in other short-term debt, net		(56,000)	71,000		49,000				
Cash dividend payments on common stock		(62,771)	(55,919)	)	(55,420)				
Other		4,615	4,320		3,676				
Cash provided by (used in) financing activities		194,405	36,902		(2,744)				
Increase (decrease) in cash and cash equivalents		7,015	(11,002)	)	11,148				
Cash, cash equivalents and restricted cash, beginning of period		265	11,267		119				
Cash, cash equivalents and restricted cash, end of period	\$	7,280	\$ 265	\$	11,267				

See Notes to Condensed Financial Statements

#### NOTES TO CONDENSED FINANCIAL STATEMENTS

#### 1. BASIS OF PRESENTATION

NW Holdings is an energy services holding company that conducts substantially all of its business operations through its subsidiaries, particularly NW Natural. These condensed financial statements and related footnotes have been prepared in accordance with Rule 12-04, Schedule I of Regulation S-X. These financial statements, in which NW Holdings' subsidiaries have been included using the equity method, should be read in conjunction with the consolidated financial statements and notes thereto of NW Holdings included in Item 8 of this Form 10-K.

Equity earnings of subsidiaries including earnings from NW Natural were \$92.7 million, \$83.1 million, and \$78.5 million for the years ended December 31, 2022, 2021, and 2020 respectively.

There were \$62.7 million, \$82.1 million and \$74.4 million of cash dividends paid to NW Holdings from wholly-owned subsidiaries for the years ended December 31, 2022, 2021 and 2020, respectively.

#### Other Comprehensive Income (Loss) from Subsidiaries Correction

During 2021, NW Holdings identified that activities related to other comprehensive income (loss) from subsidiaries had been excluded from the condensed statements of comprehensive income and condensed balance sheets. NW Holdings corrected the previously presented condensed balance sheet for the year ended December 31, 2020, and in doing so, decreased total equity by \$3.6 million with a corresponding decrease in investment in subsidiaries. In addition, the condensed statement of comprehensive income for the year ended December 31, 2020 was corrected to include other comprehensive loss of \$2.2 million. NW Holdings has evaluated the effect of the misstatement, both qualitatively and quantitatively, and concluded that it did not have a material impact on, nor require amendment of, any previously filed condensed financial statements.

#### 2. DEBT

For information concerning NW Holdings' debt obligations, see Note 9 to the consolidated financial statements included in Item 8 of this report.

### NORTHWEST NATURAL HOLDING COMPANY

### SCHEDULE II - VALUATION AND QUALIFYING ACCOUNTS AND RESERVES

COLUMN A	C	COLUMN B		COLUMN C			COLUMN D		COLUMN E	
				Addi	tions			Deductions		
In thousands (year ended December 31)		alance at ginning of period		ged to costs I expenses	Cha	arged to other accounts	N	let write-offs	Ba	lance at end of period
2022										
Reserves deducted in balance sheet from assets to which they apply:										
Allowance for uncollectible accounts	\$	2,018	\$	1,081	\$	1,810	\$	1,613	\$	3,296
2021										
Reserves deducted in balance sheet from assets to which they apply:										
Allowance for uncollectible accounts	\$	3,219	\$	724	\$	(219)	\$	1,706	\$	2,018
2020										
Reserves deducted in balance sheet from assets to which they apply:										
Allowance for uncollectible accounts	\$	673	\$	890	\$	2,333	\$	677	\$	3,219

### NORTHWEST NATURAL GAS COMPANY

SCHEDULE II - VALUATION AND QUALIFYING ACCOUNTS AND RESERVES

COLUMN A	C	OLUMN B	COLUMN C				UMN B COLUMN C COLUMN D			COLUMN D	(	COLUMN E
				Add	itions			Deductions				
In thousands (year ended December 31)		Balance at eginning of period		ged to costs expenses	Cha	arged to other accounts	Ν	Vet write-offs	Ba	alance at end of period		
2022												
Reserves deducted in balance sheet from assets to which they apply:												
Allowance for uncollectible accounts	\$	1,962	\$	920	\$	1,810	\$	1,613	\$	3,079		
2021												
Reserves deducted in balance sheet from assets to which they apply:												
Allowance for uncollectible accounts	\$	3,107	\$	780	\$	(219)	\$	1,706	\$	1,962		
2020												
Reserves deducted in balance sheet from assets to which they apply:												
Allowance for uncollectible accounts	\$	672	\$	779	\$	2,333	\$	677	\$	3,107		

# ITEM 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE

None.

#### ITEM 9A. CONTROLS AND PROCEDURES

(a) Evaluation of Disclosure Controls and Procedures

NW Holdings and NW Natural management, under the supervision and with the participation of the Chief Executive Officer and Chief Financial Officer, completed an evaluation of the effectiveness of the design and operation of disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) of the Securities Exchange Act of 1934, as amended (the Exchange Act)). Based upon this evaluation, the Chief Executive Officer and Chief Financial Officer of each registrant have concluded that, as of the end of the period covered by this report, disclosure controls and procedures were effective to ensure that information required to be disclosed by each such registrant and included in reports filed or submitted under the Exchange Act is recorded, processed, summarized, and reported within the time periods specified in the Securities and Exchange Commission (SEC) rules and forms and that such information is accumulated and communicated to management of each registrant, including the Chief Executive Officer, as appropriate to allow timely decisions regarding required disclosure.

#### (b) Changes in Internal Control Over Financial Reporting

NW Holdings and NW Natural management are responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in the Exchange Act Rule 13a-15(f).

In September 2022, we implemented a new enterprise resource planning system to replace our legacy system. The implementation was designed to increase the automation of internal controls in areas of purchasing and payables, asset management, financial reporting and consolidation and to improve access security. In connection with this implementation, we performed pre-implementation planning, design and testing of internal controls that became effective in the third quarter of 2022. Management has and will continue to evaluate and monitor NW Holdings' and NW Natural's internal controls over financial reporting to verify such controls remain effective as processes and procedures in each of the affected areas continue to evolve.

There were no other changes in NW Holdings' or NW Natural's internal control over financial reporting during the quarter ended December 31, 2022 that have materially affected, or are reasonably likely to materially affect, internal control over financial reporting for NW Holdings and NW Natural. The statements contained in Exhibit 31.1, Exhibit 31.2, Exhibit 31.3, and Exhibit 31.4 should be considered in light of, and read together with, the information set forth in this Item 9(a).

#### ITEM 9B. OTHER INFORMATION

On February 23, 2023, the Board of Directors of NW Natural approved Amended and Restated Change in Control Severance Agreements (Amended Agreements) with each of David H. Anderson, NW Natural's Chief Executive Office, Frank H. Burkhartsmeyer, NW Natural's Chief Financial Officer, and each of NW Natural's other named executive officers, which amend and restate the existing Change of Control Agreements (Existing Agreements) with each of those officers. The Amended Agreements, like the Existing Agreements are "double-trigger" and become payable only upon the occurrence of a Change of Control and either (i) the officer's employment is terminated without Cause or for Disability after the earlier of Shareholder Approval, if applicable, or the Change of Control and no later than twenty-four (24) months after the Change of Control; or (ii) the officer delivers a notice of termination for Good Reason after the earlier of Shareholder Approval, if applicable, or the Change of Control and no later than twenty-four (24) months after the the Existing Agreements amend the Existing Agreements in the following ways:

- utilizes the target payment under the Executive Annual Incentive Compensation Plan, rather than the average of the last three years' bonus in calculating the severance payment;
- adjusted health and welfare benefits from 24 months to 30 months for Mr. Anderson to align with the time period of his severance payment;
- adjusts vacation provision language to reflect that NW Natural no longer cashes out vacation;
- clarifies that a Change in Control will not be triggered with the aggregation of above 20% of Voting Securities, provided the
  acquirer of such Voting Securities has filed a Schedule 13G indicating that the Voting Securities are not acquired and are not
  held for the purpose of or with the effect of changing management or policies;
- contains other clarifying provisions.

The foregoing description is qualified in its entirety by the full forms of agreement, which are filed as Exhibits 10o and 10p to this Form 10-K. Capitalized terms not defined herein shall have the meanings set forth in the Amended Agreements.

On February 22, 2023, the Organization and Executive Compensation Committees of the Boards of Directors of NW Holding and NW Natural (OECC) approved amendments to the February 2021 and February 2022 Performance Share Long Term Incentive

Agreements (LTIP Agreements) with the same officers such that, if the officers become entitled to receive severance benefits as described above in connection with the Amended Agreements, the shares of Common Stock subject to the LTIP Agreements will fully vest based on target performance. The foregoing description is qualified in its entirety by the full form of amendment, which is filed as Exhibit 10w to this Form 10-K.

On February 23, 2023, the Board of Directors of NW Holdings and NW Natural approved amendments to the Executive Annual Incentive Plan (EAIP) to provide that if an officer becomes entitled to receive change of control severance benefits as described above in connection with the Amended Agreements, he or she will receive a pro-rated award under the EAIP based on days worked during the year relative to target performance. The amendment also provides that if there is a change of control and the participant remains employed through the end of the performance period, he or she will receive payment at target. The foregoing description is qualified in its entirety by the full form of the amended EAIP, which is filed as Exhibit 10m to this Form 10-K.

On February 22, 2023, the OECCs granted performance share awards to the each of the same officers. The form of Performance Share Long Term Incentive Agreement pursuant to which the awards were made is substantially the same as the form used for the February 2022 awards, except that they provide for "double-trigger" vesting at target as described above with respect to the amendments to the LTIP Agreements. The foregoing description is qualified in its entirety by the full form of award agreement, which is filed as Exhibit 10x to this Form 10-K.

#### ITEM 9C. DISCLOSURE REGARDING FOREIGN JURISDICTIONS THAT PREVENT INSPECTIONS

Not applicable.

#### PART III

#### ITEM 10. DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE

The "Information Concerning Nominees and Continuing Directors" and "Corporate Governance" contained in NW Holdings' definitive Proxy Statement for the 2023 Annual Meeting of Shareholders is hereby incorporated by reference.

		EXECUTIVE OFFICERS
Name	Age at Dec. 31, 2022	Positions held during last five years ⁽¹⁾
David H. Anderson*	61	President and Chief Executive Officer ⁽²⁾ (2016-); Chief Operating Officer and President (2015-2016); Executive Vice President and Chief Operating Officer (2014-2015); Executive Vice President Operations and Regulation (2013-2014); Senior Vice President and Chief Financial Officer (2004-2013).
Frank H. Burkhartsmeyer*	58	Senior Vice President and Chief Financial Officer ⁽²⁾ (2017-); President and Chief Executive Officer of Renewables, Avangrid Renewables (2015-2017); Senior Vice President of Finance, Iberdrola Renewables Holdings, Inc. (2012-2015).
James R. Downing	53	Vice President and Chief Information Officer (2017-); Chief Information Officer, WorleyParsons (America's Division) (2016-2017); Executive Service Delivery Manager for SAP, British Petroleum (2011-2015).
Shawn M. Filippi*	50	Vice President, Chief Compliance Officer and Corporate Secretary ⁽²⁾ (2016-); Vice President and Corporate Secretary (2015-2016); Senior Legal Counsel (2011-2014); Assistant Corporate Secretary (2010-2014).
Kimberly Heiting Rush	53	Senior Vice President, Operations and Chief Marketing Officer (2018-); Senior Vice President, Communications and Chief Marketing Officer (2018); Vice President, Communications and Chief Marketing Officer (2015-2018); Chief Marketing and Communications Officer (2013-2014); Chief Corporate Communications Officer (2011-2013).
Jon G. Huddleston	60	Vice President, Engineering and Utility Operations (2018-); Senior Director, Utility Operations (2014-2018); Director, Utility Operations (2013-2014); Process Director (2007-2013).
Zachary D. Kravitz	39	Vice President, Rates and Regulatory (2022- ); Senior Director, Rates and Regulatory (2021-2022); Director, Rates and Regulatory (2018-2021); Regulatory Attorney (2014-2018).
Justin B. Palfreyman	44	President, NW Natural RNG Holding Company, LLC (2021-); Vice President, Strategy and Business Development (2017-); President, NW Natural Water (2018-); Vice President, Business Development (2016-2017); Director, Power, Energy and Infrastructure Group, Lazard, Freres & Co. (2009-2016).
Melinda B. Rogers	57	Vice President, Chief Human Resources and Diversity Officer (2018-); Senior Director of Human Resources (2018); Senior Manager, Organizational Effectiveness and Talent Acquisition (2015-2017); Senior Associate, Point B (2014-2015); Director, Executive Development Center, Willamette University (2011-2014).
MardiLyn Saathoff*	66	Senior Vice President, Regulation and General Counsel ⁽²⁾ (2016-); Senior Vice President and General Counsel (2015-2016); Vice President, Legal, Risk and Compliance (2013-2014); Deputy General Counsel (2010-2013); Chief Governance Officer and Corporate Secretary (2008-2014).
David A. Weber	63	Vice President, Gas Supply and Utility Support Services (2019-); President and Chief Executive Officer, NW Natural Gas Storage, LLC (2011-); President, KB Pipeline Company (2018-); President and Chief Executive Officer, Gill Ranch Storage, LLC (2011-2020).
Kathryn M. Williams	47	Vice President, Public Affairs and Sustainability (2020-); Vice President, Public Affairs (2019-2020); Government and Community Affairs Director (2018-2019); State Affairs Manager, Port of Portland (2015-2018); Business and Rail Relations Manager, Port of Portland (2007-2015).
Brody J. Wilson*	43	Vice President, Chief Accounting Officer, Controller and Treasurer ⁽²⁾ (2017-); Chief Financial Officer (Interim), Treasurer (Interim), Chief Accounting Officer and Controller (2016-2017); Chief Accounting Officer, Controller and Assistant Treasurer (2016); Controller (2013-2016); Acting Controller (2013); Accounting Director (2012-2013).

DIRECTOR (NORTHWEST NATURAL GAS COMPANY ONLY)**										
Name	Age at Dec. 31, 2022	Positions held during last five years ⁽¹⁾								
Steven E. Wynne**	70	<ul> <li>Executive Vice President, Moda, Inc., a privately-held healthcare insurance company (2012-); Director, JELD-WEN Holding Inc. (2012-); Director, Pendleton Woolen Mills, Inc. (2013-); Director, Lone Rock Resources, Inc. (2016-); Director, FLIR Systems, Inc. (1999-2021); Director, Citifyd Inc. (2013-2019); Trustee, Willamette University (1999-); Trustee, Portland Center Stage (2012-2019); Executive Vice President, JELD-WEN, Inc. (2011-2012); President and Chief Executive Officer, SBI International, Ltd. (2004-2007); Partner, Ater Wynne LLP (2001-2002; 2003-2004); President and Chief Executive Officer, Inc. (1995-2000).</li> <li>Mr. Wynne's senior management experience with a variety of companies, board service on a number of public and private companies and longstanding legal practice in the areas of corporate finance, securities and mergers and acquisitions qualify him to provide insight and guidance in the areas of corporate governance, strategic planning, enterprise risk management, finance and operations.</li> </ul>								

* Executive Officer of Northwest Natural Holding Company and Northwest Natural Gas Company.

** Director of Northwest Natural Gas Company only (beginning 2018). All other directors of Northwest Natural Gas Company are also directors of Northwest Natural Holding Company, and information regarding all directors concurrently serving on the Board of Directors of Northwest Natural Gas Company and Northwest Natural Holding Company will be incorporated by reference to our definitive Proxy Statement for the 2023 Annual Meeting of Shareholders.
(1) Unless otherwise specified, all positions held at Northwest Natural Gas Company.

(2) Position held at Northwest Natural Holding Company (beginning March 2018) and Northwest Natural Gas Company. In 2020, Ms. Saathoff's title at Northwest Natural Holding Company changed from Senior Vice President and General Counsel to Senior Vice President, Regulation and General Counsel.

Each executive officer serves successive annual terms; present terms end at the first meeting of the Board of Directors after the 2023 Annual Meeting of Shareholders. There are no family relationships among our executive officers, directors or any person chosen to become one of our officers or directors. NW Holdings and NW Natural have adopted a Code of Ethics (Code) applicable to all employees, officers, and directors that is available on our website at <u>www.nwnaturalholdings.com</u>. We intend to disclose on our website at <u>www.nwnaturalholdings.com</u> any amendments to the Code or waivers of the Code for executive officers and directors.

#### ITEM 11. EXECUTIVE COMPENSATION

The information concerning "Executive Compensation", "Report of the Organization and Executive Compensation Committee", and "Compensation Committee Interlocks and Insider Participation" contained in NW Holdings' definitive Proxy Statement for the 2023 Annual Meeting of Shareholders is hereby incorporated by reference. Information related to Executive Officers as of December 31, 2022 is reflected in Part III, Item 10, above.

# ITEM 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS

As of February 16, 2023, NW Holdings owned 100% of the outstanding common stock of NW Natural.

The following table sets forth information regarding compensation plans under which equity securities of NW Holdings are authorized for issuance as of December 31, 2022 (see Note 8 to the Consolidated Financial Statements):

	(a)	(b)	(c)
Plan Category	Number of securities to be issued upon exercise of outstanding options, warrants and rights	Weighted-average exercise price of outstanding options, warrants and rights	Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (a))
Equity compensation plans approved by security holders:			
Long Term Incentive Plan (LTIP) (1)(2)	242,128	n/a	247,666
Employee Stock Purchase Plan	41,558	\$ 39.67	278,219
Equity compensation plans not approved by security holders:			
Executive Deferred Compensation Plan (EDCP) ⁽³⁾	794	n/a	n/a
Directors Deferred Compensation Plan (DDCP) ⁽³⁾	30,551	n/a	n/a
Deferred Compensation Plan for Directors and Executives $(DCP)^{(4)}$	191,781	n/a	n/a
Total	506,812		525,885

(1) Awards may be granted under the LTIP as Performance Share Awards, Restricted Stock Units, or stock options. Shares issued pursuant to Performance Share Awards and Restricted Stock Units under the LTIP do not include an exercise price, but are payable when the award criteria are satisfied. The number of shares shown in column (a) include 99,848 Restricted Stock Units and 142,280 Performance Share Awards, reflecting the number of shares to be issued as performance share awards under outstanding Performance Share Awards if target performance levels are achieved. If the maximum awards were paid pursuant to the Performance Share Awards outstanding at December 31, 2022, the number of shares shown in column (a) would increase by 142,280 shares, reflecting the maximum share award of 200% of target, and the number of shares shown in column (c) would decrease by the same amount of shares. No stock options or other types of award have been issued under the LTIP.

- (2) The number of shares shown in column (c) includes shares that are available for future issuance under the LTIP as Restricted Stock Units or Performance Share Awards at December 31, 2022.
- (3) Prior to January 1, 2005, deferred amounts were credited, at the participant's election, to either a "cash account" or a "stock account." If deferred amounts were credited to stock accounts, such accounts were credited with a number of shares of NW Natural (now NW Holdings) common stock based on the purchase price of the common stock on the next purchase date under our Dividend Reinvestment and Direct Stock Purchase Plan, and such accounts were credited with additional shares based on the deemed reinvestment of dividends. Cash accounts are credited quarterly with interest at a rate equal to Moody's Average Corporate Bond Yield plus two percentage points, subject to a 6% minimum rate. At the election of the participant, deferred balances in the stock accounts are payable after termination of Board service or employment in a lump sum, in installments over a period not to exceed 10 years in the case of the DDCP, or 15 years in the case of the EDCP, or in a combination of lump sum and installments. Amounts credited to stock accounts are payable solely in shares of common stock and cash for fractional shares, and amounts in the above table represent the aggregate number of shares credited to participant's stock accounts. We have contributed common stock to the trustee of the Umbrella Trusts such that the Umbrella Trusts hold approximately the number of shares of common stock equal to the number of shares credited to all participants' stock accounts.
- (4) Effective January 1, 2005, the EDCP and DDCP were closed to new participants and replaced with the DCP. The DCP continues the basic provisions of the EDCP and DDCP under which deferred amounts are credited to either a "cash account" or a "stock account." Stock accounts represent a right to receive shares of NW Holdings common stock on a deferred basis, and such accounts are credited with additional shares based on the deemed reinvestment of dividends. Effective January 1, 2007, cash accounts are credited quarterly with interest at a rate equal to Moody's Average Corporate Bond Yield. Our obligation to pay deferred compensation in accordance with the terms of the DCP will generally become due on a predetermined date during a participant's service if elected by such participant or on retirement, death, or other termination of service, and will be paid in a lump sum or in installments of five, 10, or 15 years as elected by the participant in accordance with the terms of the DCP. Amounts credited to stock accounts are payable solely in shares of common stock and cash for fractional shares, and amounts in the above table represent the aggregate number of shares credited to participants' stock accounts. We have contributed common stock to the trustee of the Supplemental Trust such that this trust holds approximately the number of common shares equal to the number of shares credited to all participants' stock accounts. The right of each participant in the DCP is that of a general, unsecured creditor of NW Natural.

The information captioned "Beneficial Ownership of Common Stock by Directors and Executive Officers" and "Security Ownership of Common Stock of Certain Beneficial Owners" contained in NW Holdings' definitive Proxy Statement for the 2023 Annual Meeting of Shareholders is incorporated herein by reference.

#### ITEM 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE

The information captioned "Transactions with Related Persons" and "Corporate Governance" in NW Holdings' definitive Proxy Statement for the 2023 Annual Meeting of Shareholders is hereby incorporated by reference.

#### ITEM 14. PRINCIPAL ACCOUNTANT FEES AND SERVICES

#### NW Holdings

The information captioned "2022 and 2021 Audit Firm Fees" in NW Holdings' definitive Proxy Statement for the 2023 Annual Meeting of Shareholders is hereby incorporated by reference.

#### NW Natural

The following table shows the fees and expenses of NW Natural, paid or accrued for the integrated audits of the consolidated financial statements and other services provided by NW Natural's independent registered public accounting firm, PricewaterhouseCoopers LLP, for fiscal years 2022 and 2021:

In thousands	202	2	2021
Audit Fees	\$	1,518 \$	\$ 1,268
Audit-Related Fees		477	172
Tax Fees		23	23
All Other Fees		4	4
Total	\$	2,022 \$	\$ 1,467

**AUDIT FEES.** This category includes fees and expenses for services rendered for the integrated audit of the consolidated financial statements included in the Annual Report on Form 10-K and the review of the quarterly financial statements included in the Quarterly Reports on Form 10-Q. The integrated audit includes the review of our internal control over financial reporting in compliance with Section 404 of the Sarbanes-Oxley Act of 2002 (Sarbanes-Oxley Act). In addition, amounts include fees for services routinely provided by the auditor in connection with regulatory filings, including issuance of consents and comfort letters relating to the registration of Company securities and assistance with the review of documents filed with the SEC.

AUDIT-RELATED FEES. This category includes fees for assurance and related services that are reasonably related to the performance of the audit or review of our financial statements and internal control over financial reporting, including fees and expenses related to consultations for financial accounting and reporting, fees for EPA assurance letters, and fees for system pre-implementation assessments.

TAX FEES. This category includes fees for tax compliance, and review services rendered for NW Natural's income tax returns.

ALL OTHER FEES. This category relates to services other than those described above. The amount reflects payments for accounting research tools in each of 2022 and 2021.

**PRE-APPROVAL POLICY FOR AUDIT AND NON-AUDIT SERVICES.** The Audit Committee of NW Natural approved or ratified 100 percent of 2022 and 2021 services for audit, audit-related, tax services and all other fees, including audit services relating to compliance with Section 404 of the Sarbanes-Oxley Act. The chair of the Audit Committee of NW Natural is authorized to pre-approve non-audit services between meetings of the Audit Committee and must report such approvals at the next Audit Committee meeting.

#### PART IV

#### ITEM 15. EXHIBITS AND FINANCIAL STATEMENT SCHEDULES

- (a) The following documents are filed as part of this report:
  - 1. A list of all Financial Statements and Supplemental Schedules is incorporated by reference to Item 8.
  - 2. List of Exhibits filed:

Reference is made to the Exhibit Index commencing on page 142.

#### ITEM 16. FORM 10-K SUMMARY

None.

### NORTHWEST NATURAL HOLDING COMPANY NORTHWEST NATURAL GAS COMPANY

Exhibit Index to Annual Report on Form 10-K For the Fiscal Year Ended December 31, 2022

#### **Exhibit Number**

#### **Document**

- *3a. Amended and Restated Articles of Incorporation of Northwest Natural Holding Company (incorporated by reference to Exhibit 3.1 to the Form 8-K dated October 1, 2018, File No. 1-38681).
- *3b. Amended and Restated Articles of Incorporation of Northwest Natural Gas Company (incorporated by reference to Exhibit 3b to Form 10-K for the year ended December 31, 2020).
- *3c. Amended and Restated Bylaws of Northwest Natural Holding Company (incorporated by reference to Exhibit 3.1 to the Form 10-Q for the quarter ended June 30, 2022, File No. 1-38681).
- *3d. Amended and Restated Bylaws of Northwest Natural Gas Company (incorporated by reference to Exhibit 3.2 to the Form 10-Q for the quarter ended June 30, 2022, File No. 1-38681).
- *4a. Copy of Mortgage and Deed of Trust of Northwest Natural Gas Company, dated as of July 1, 1946 (Mortgage and Deed of Trust), to Bankers Trust (to whom Deutsche Bank Trust Company Americas is the successor), Trustee (incorporated by reference to Exhibit 7(j) in File No. 2-6494); and copies of Supplemental Indentures Nos. 1 through 14 to the Mortgage and Deed of Trust, dated respectively, as of June 1, 1949, March 1, 1954, April 1, 1956, February 1, 1959, July 1, 1961, January 1, 1964, March 1, 1966, December 1, 1969, April 1, 1971, January 1, 1975, December 1, 1975, July 1, 1981, June 1, 1985 and November 1, 1985 (incorporated by reference to Exhibit 4(d) in File No. 33-1929); Supplemental Indenture No. 15 to the Mortgage and Deed of Trust, dated as of July 1, 1986 (filed as Exhibit 4(c) in File No. 33-24168); Supplemental Indentures Nos. 16, 17 and 18 to the Mortgage and Deed of Trust, dated respectively, as of July 1, 1988, October 1, 1989 and July 1, 1990 (incorporated by reference to Exhibit 4(c) in File No. 33-640482); Supplemental Indenture No. 19 to the Mortgage and Deed of Trust, dated as of June 1, 1991 (incorporated by reference to Exhibit 4(c) in File No. 33-64014).
- *4b. Supplemental Indenture No. 20 to the Mortgage and Deed of Trust, dated as of June 1, 1993 (incorporated by reference to Exhibit 4a.(1) to Form 10-K for year ended December 31, 1993, File No. 0-00994).
- *4c. Supplemental Indenture No. 21 to the Mortgage and Deed of Trust, dated as of October 15, 2012 (incorporated by reference to Exhibit 4.1 to Form 8-K dated October 26, 2012, File No. 1-15973).
- *4d. Supplemental Indenture No. 22 to the Mortgage and Deed of Trust, dated as of November 1, 2016 (incorporated by reference to Exhibit 4.1 to Form 10-Q for the quarter ended September 30, 2016, File No. 1-15973).
- *4e. Supplemental Indenture No. 23 to the Mortgage and Deed of Trust, dated as of September 1, 2018 (incorporated by reference to Exhibit 4(a) to Form 8-K dated September 10, 2018, File No. 1-15973).
- *4f. Twenty-fourth Supplemental Indenture, providing for, among other things, First Mortgage Bonds, 4.78% Series due 2052, dated as of September 1, 2022, by and between Northwest Natural Gas Company and Deutsche Bank Trust Company Americas (incorporated by reference to Exhibit 4.1 to the Form 8-K filed September 30, 2022, file No. 1-15973).
- *4g. Twenty-fifth Supplemental Indenture, providing for, among other things, First Mortgage Bonds, 5.43% Series due 2053, dated as of December 1, 2022, by and between Northwest Natural Gas Company and Deutsche Bank Trust Company Americas (incorporated by reference to Exhibit 4.1 to Form 8-K dated December 1, 2022, File No. 1-15973).
- *4h. Copy of Indenture, dated as of June 1, 1991, between Northwest Natural Gas Company and Bankers Trust Company (to whom Deutsche Bank Trust Company Americas is successor), Trustee, relating to Northwest Natural Gas Company's Unsecured Debt Securities (incorporated by reference to Exhibit 4(e) in File No. 33-64014).

- 4i. Amended and Restated Credit Agreement, dated as of November 3, 2021, among Northwest Natural Holding Company and the lenders party thereto, with JPMorgan Chase Bank, N.A. as administrative agent and Bank of America, N.A., U.S. Bank National Association, and Wells Fargo Bank, National Association, as co-syndication agents, as amended by Amendment No.1, dated as of January 20, 2023.
- 4j. Amended and Restated Credit Agreement, dated as of November 3, 2021, among Northwest Natural Gas Company and the lenders party thereto, with JPMorgan Chase Bank, N.A. as administrative agent and Bank of America, N.A., U.S. Bank National Association, and Wells Fargo Bank, National Association, as co-syndication agents, as amended by Amendment No. 1, dated as of January 20, 2023.
- *4k. Credit Agreement, dated as of June 10, 2021, among NW Natural Water Company, LLC, Northwest Natural Holding Company, the lenders party thereto, and Bank of America, N.A., as administrative agent (incorporated by reference to Exhibit 4.2 to the Form 8-K filed June 14, 2021, File No. 1-38681).
- *4I. Credit Agreement, dated as of June 10, 2021, among Northwest Natural Gas Company, the lenders party thereto, and U.S. Bank National Association, as administrative agent (incorporated by reference to Exhibit 4.1 to the Form 8-K filed June 14, 2021, File No. 1-15973).
- *4m. Credit Agreement, dated as of September 15, 2022, among Northwest Natural Holding Company and the lenders party thereto, with U.S. Bank National Association as administrative agent (incorporated by reference to Exhibit 4.1 to the Form 8-K filed September 21, 2022, file No. 1-38681).
- *4n. Credit Agreement, dated as of September 15, 2022, among NW Natural Water Company, LLC, Northwest Natural Holding Company and the lenders party thereto, with U.S. Bank National Association as administrative agent (incorporated by reference to Exhibit 4.2 to the Form 8-K filed September 21, 2022, file No. 1-38681).
- *40. Description of securities registered under Section 12 of the Exchange Act of 1934 (incorporated by reference to Exhibit 4j to Form 10-K for the year ended December 31, 2019, File No. 1-38681).
- *10 Purchase and Sale Agreement dated June 20, 2018, between NW Natural Gas Storage LLC and SENSA Holdings LLC (incorporated by reference to Exhibit 10 to Form 10-Q for the quarter ended June 30, 2018, File No. 1-15973).
- *10.1 Fifth Amendment to Purchase and Sale Agreement, dated April 29, 2020, between NW Natural Gas Storage, LLC and SENSA Holdings LLC, amending the Purchase and Sale Agreement, dated June 20, 2018, as amended (incorporated by reference to Exhibit 10.2 to the Form 10-Q for the quarter ended March 31, 2020, File No. 1-38681).
- *10.2 Tenth Amendment to Purchase and Sale Agreement, dated December 4, 2020, between NW Natural Gas Storage LLC and SENSA Holdings LLC, amending the Purchase and Sale Agreement, dated June 20, 2018, as amended (incorporated by reference to Exhibit 10.1 to the Form 8-K filed December 7, 2020, File No. 1-38681).
- 21 Subsidiaries of Northwest Natural Holding Company.
- 23a. Consent of PricewaterhouseCoopers LLP NW Holdings.
- 23b. Consent of PricewaterhouseCoopers LLP NW Natural.
- 31.1 Certification of Principal Executive Officer of Northwest Natural Gas Company Pursuant to Rule 13a-14(a)/15d-14(a), Section 302 of the Sarbanes-Oxley Act of 2002.
- 31.2 Certification of Principal Financial Officer of Northwest Natural Gas Company Pursuant to Rule 13a-14(a)/15d-14(a), Section 302 of the Sarbanes-Oxley Act of 2002.
- 31.3 Certification of Principal Executive Officer of Northwest Natural Holding Company Pursuant to Rule 13a-14(a)/15d-14(a), Section 302 of the Sarbanes-Oxley Act of 2002.
- 31.4 Certification of Principal Financial Officer of Northwest Natural Holding Company Pursuant to Rule 13a-14(a)/15d-14(a), Section 302 of the Sarbanes-Oxley Act of 2002.

- **32.1 Certification of Principal Executive Officer and Principal Financial Officer of Northwest Natural Gas Company Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
- **32.2 Certification of Principal Executive Officer and Principal Financial Officer of Northwest Natural Holding Company Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
- 101. The following materials formatted in Inline Extensible Business Reporting Language (Inline XBRL):
  - (i) Consolidated Statements of Income;
  - (ii) Consolidated Balance Sheets;
  - (iii) Consolidated Statements of Cash Flows; and
  - (iv) Related notes.
- 104. The cover page from the Company's Annual Report on Form 10-K for the year ended December 31, 2021, formatted in Inline XBRL and contained in Exhibit 101.

Executive Compensation Plans and Arrangements:

- *10a. Executive Supplemental Retirement Income Plan, 2018 Restatement (incorporated herein by reference to Exhibit 10.6 to the Form 8-K dated October 1, 2018, File No. 1-38681).
- *10b. Supplemental Executive Retirement Plan of Northwest Natural Gas Company, 2018 Restatement, as amended July 25, 2019 (incorporated by reference to Exhibit 10.1 to the Form 10-Q for the quarter ended June 30, 2019, File No. 1-15973).
- *10c. Northwest Natural Gas Company Supplemental Trust, effective January 1, 2005, restated as of October 1, 2018 (incorporated by reference to Exhibit 10.9 to the Form 8-K dated October 1, 2018, File No. 1-38681).
- *10d. Northwest Natural Gas Company Umbrella Trust for Directors, effective January 1, 1991, restated as of October 1, 2018 (incorporated by reference to Exhibit 10.11 to the Form 8-K dated October 1, 2018, File No. 1-38681).
- *10e. Northwest Natural Gas Company Umbrella Trust for Executives, effective January 1, 1988, restated as of October 1, 2018 (incorporated by reference to Exhibit 10.10 to the Form 8-K dated October 1, 2018, File No. 1-38681).
- *10f. Executive Deferred Compensation Plan, effective as of January 1, 1987, restated as of October 1, 2018 (incorporated by reference to Exhibit 10.4 to the Form 8-K dated October 1, 2018, File No. 1-38681).
- *10g. Directors Deferred Compensation Plan, effective June 1, 1981, restated as of October 1, 2018 (incorporated by reference to Exhibit 10.5 to the Form 8-K dated October 1, 2018, File No. 1-38681).
- *10h. Deferred Compensation Plan for Directors and Executives, effective January 1, 2005, restated as of September 23, 2021 (incorporated by reference to Exhibit 10.1 to the Form 10-Q for the quarter ended September 30, 2021, File No. 1-38681).
- *10i. Form of Indemnity Agreement as entered into between Northwest Natural Gas Company and each director and certain executive officers (incorporated by reference to Exhibit 10I to Form 10-K for 2018, File No. 1-15973).
- *10j. Form of Indemnity Agreement as entered into between Northwest Natural Holding Company and each director and certain executive officers (incorporated by reference to Exhibit 10m to Form 10-K for 2018, File No. 1-38681).
- *10k. Non-Employee Directors Stock Compensation Plan, as amended effective December 15, 2005 (incorporated by reference to Exhibit 10.2 to Form 8-K dated December 16, 2005, File No. 1-15973).
- *10I. Executive Annual Incentive Plan, effective January 1, 2022 (incorporated by reference to Exhibit 10o to Form 10-K for 2021, File No. 1-15973).

- 10m. Executive Annual Incentive Plan, effective February 23, 2023.
- *10n. Form of Change in Control Severance Agreement between Northwest Natural Gas Company and each executive officer, as amended and restated as of March 1, 2020 (incorporated by reference to Exhibit 10q to Form 10-K for 2019, File No. 1-15973).
- 10o. Form of Change in Control Severance Agreement between Northwest Natural Gas Company and David Anderson, as amended and restated as of February 23, 2023.
- 10p. Form of Change in Control Severance Agreement between Northwest Natural Gas Company and each executive officer (other than David Anderson), as amended and restated as of February 23, 2023.
- *10q. Northwest Natural Gas Company Long Term Incentive Plan, as amended and restated effective May 25, 2017 (incorporated by reference to Exhibit 10s to Form 10-K for 2017, File No. 1-15973).
- *10r. Northwest Natural Gas Company Long Term Incentive Plan, as amended and restated as of October 1, 2018 (incorporated by reference to Exhibit 10.1 to Form 8-K dated October 1, 2018, File No. 1-38681).
- 10s. Northwest Natural Holding Company Long Term Incentive Plan, as amended and restated as of February 23, 2023.
- *10t. Form of Performance Share Long Term Incentive Agreement under Long Term Incentive Plan (2020-2022) (incorporated by reference to Exhibit 10x to Form 10-K for 2019, File No. 1-38681).
- *10u. Form of Performance Share Long Term Incentive Agreement under Long Term Incentive Plan (2021-2023)(incorporated by reference to Exhibit 10w to Form 10-K for 2020, File No. 1-38681).
- *10v. Form of Performance Share Long Term Incentive Agreement under Long Term Incentive Plan (2022-2024) (incorporated by reference to Exhibit 10w to Form 10-K for 2021, File No. 1-38681).
- 10w. Form of Amendment to Performance Share Long Term Incentive Agreement under Long Term Incentive Plan (2021-2023) and Long Term Incentive Plan (2022-2024)
- 10x. Form of Performance Share Long Term Incentive Agreement under Long Term Incentive Plan (2023-2025).
- *10y. Form of Consent dated December 14, 2006 entered into by each executive officer with respect to amendments to the Executive Supplemental Retirement Income Plan, the Supplemental Executive Retirement Plan and certain change in control severance agreements (incorporated by reference to Exhibit 10.1 to Form 8-K dated December 19, 2006, File No. 1-15973).
- *10z. Consent to Amendment of Deferred Compensation Plan for Directors and Executives, dated February 28, 2008 entered into by each executive officer (incorporated by reference to Exhibit 10bb to Form 10-K for 2007, File No. 1-15973).
- *10aa. Form of Restricted Stock Unit Award Agreement under Long Term Incentive Plan (2022) (incorporated by reference to Exhibit 10z to Form 10-K for 2021, File No. 1-38681).
- 10bb. Form of Restricted Stock Unit Award Agreement under Long Term Incentive Plan (2023).
- *10cc. Form of Restricted Stock Unit Award Agreement under Long Term Incentive Plan (2021) (incorporated by reference to Exhibit 10z to Form 10-K for 2020, File No. 1-38681).
- *10dd. Form of Restricted Stock Unit Award Agreement under Long Term Incentive Plan (2020) (incorporated by reference to Exhibit 10aa to Form 10-K for 2019, File No. 1-38681).
- *10ee. Form of Restricted Stock Unit Award Agreement under Long Term Incentive Plan (2019) (incorporated by reference to Exhibit 10cc to Form 10-K for 2018, File No. 1-38681).

- *10ff. Severance Agreement between Northwest Natural Gas Company and an executive officer, dated August 1, 2016 (incorporated by reference to Exhibit 10.1 to Form 8-K dated July 29, 2016, File No. 1-15973).
- *10gg. Form of Severance Agreement between Northwest Natural Gas Company and an executive officer, dated May 17, 2017 (incorporated by reference to Exhibit 10.1 to Form 8-K dated April 24, 2017, File No. 1-15973).
- *10hh. Cash Retention Agreement between Northwest Natural Gas Company and an executive officer, dated as of March 1, 2018 (incorporated by reference to Exhibit 10ss to Form 10-K for 2017, File No. 1-15973).
- *10ii. Annual Incentive Plan for NW Natural Gas Storage, LLC, as amended effective January 1, 2022 (incorporated by reference to Exhibit 10II to Form 10-K for 2021, File No. 1-38681).

*Incorporated by reference as indicated

**Pursuant to Item 601(b)(32)(ii) of Regulation S-K, this certificate is not being "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended.

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, each registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized. The signature for each undersigned company shall be deemed to relate only to matters having reference to such company and its subsidiaries.

### NORTHWEST NATURAL HOLDING COMPANY

<u>By: /s/ David H. Anderson</u> David H. Anderson President and Chief Executive Officer Date: February 24, 2023

### NORTHWEST NATURAL GAS COMPANY

<u>By: /s/ David H. Anderson</u> David H. Anderson President and Chief Executive Officer Date: February 24, 2023 Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the date indicated. The signatures of each of the undersigned shall be deemed to relate only to matters having reference to the below named company and its subsidiaries.

### NORTHWEST NATURAL HOLDING COMPANY

Signature	Title	Date
/s/ David H. Anderson David H. Anderson President and Chief Executive Officer	Principal Executive Officer and Director	February 24, 2023
/s/ Frank H. Burkhartsmeyer Frank H. Burkhartsmeyer Senior Vice President and Chief Financial Officer	Principal Financial Officer	February 24, 2023
/s/ Brody J. Wilson Brody J. Wilson Vice President, Treasurer, Chief Accounting Officer and	Principal Accounting Officer	February 24, 2023
Controller /s/ Timothy P. Boyle Timothy P. Boyle	Director	)
/s/ Monica Enand Monica Enand	Director	) ) )
/s/ Karen Lee Karen Lee	Director	)
/s/ Dave McCurdy Dave McCurdy	Director	) )
/s/ Sandra McDonough Sandra McDonough	Director	) February 24, 2023 )
/s/ Nathan I. Partain Nathan I. Partain	Director	)
/s/ Jane L. Peverett Jane L. Peverett	Director	) ) )
/s/ Kenneth Thrasher Kenneth Thrasher	Director	) ) )
/s/ Malia H. Wasson Malia H. Wasson	Director	) ) )
/s/ Charles A. Wilhoite Charles A. Wilhoite	Director	) ) )

## NORTHWEST NATURAL GAS COMPANY

Signature	Title	Date
/s/ David H. Anderson	Principal Executive Officer and Director	February 24, 2023
David H. Anderson		<b>2</b>
President and Chief Executive Officer		
/s/ Frank H. Burkhartsmeyer	Principal Financial Officer	February 24, 2023
Frank H. Burkhartsmeyer Senior Vice President and Chief Financial Officer		
/s/ Brody J. Wilson	Principal Accounting Officer	February 24, 2023
Brody J. Wilson Vice President, Treasurer, Chief Accounting Officer and Controller		
/s/ Timothy P. Boyle	Director	)
Timothy P. Boyle	_	)
/s/ Monica Enand	Director	)
%/ Monica Enand Monica Enand		)
		)
/s/ Karen Lee	Director	)
Karen Lee		)
/s/ Dave McCurdy	Director	)
Dave McCurdy		)
		)
/s/ Sandra McDonough	Director	February 24, 2023
Sandra McDonough		)
/s/ Nathan I. Partain	Director	)
Nathan I. Partain	_	)
/s/ Jane L. Peverett	Director	)
Jane L. Peverett	Director	)
		)
/s/ Kenneth Thrasher	Director	)
Kenneth Thrasher		)
/s/ Malia H. Wasson	Director	)
Malia H. Wasson	_	)
		)
/s/ Charles A. Wilhoite	Director	)
Charles A. Wilhoite		)
/s/ Steven E. Wynne	Director	)
Steven E. Wynne	_	)

# SUBSIDIARIES OF NORTHWEST NATURAL HOLDING COMPANY

an Oregon Corporation

Name of Subsidiary	Jurisdiction Organized
Northwest Natural Gas Company (dba NW Natural)	Oregon
Northwest Energy Corporation ⁽¹⁾	Oregon
NWN Gas Reserves LLC ⁽¹⁾	Oregon
NW Natural RNG Holding Company, LLC ⁽¹⁾	Oregon
Lexington Renewable Energy LLC ⁽¹⁾	Delaware
Dakota City Renewable Energy LLC ⁽¹⁾	Delaware
NW Natural Energy, LLC	Oregon
NW Natural Gas Storage, LLC	Oregon
NNG Financial Corporation	Oregon
Northwest Biogas, LLC	Oregon
KB Pipeline Company	Oregon
NW Natural Water Company, LLC	Oregon
Salmon Valley Water Company	Oregon
NW Natural Water of Oregon, LLC	Oregon
Sunstone Water, LLC	Oregon
Sunstone Infrastructure, LLC	Oregon
Sunriver Water LLC	Oregon
Sunriver Environmental LLC	Oregon
Avion Water Company, Inc.	Oregon
NW Natural Renewables Holdings, LLC	Oregon
NW Natural Ohio Renewable Energy, LLC	Oregon
NW Natural Water of Washington, LLC	Washington

Cascadia Water, LLC	Washington
Cascadia Infrastructure, LLC	Washington
Suncadia Water Company, LLC	Washington
Suncadia Environmental Company, LLC	Washington
NW Natural Water of Idaho, LLC	Idaho
Falls Water Co., Inc.	Idaho
Gem State Water Company, LLC	Idaho
Gem State Infrastructure, LLC	Idaho
NW Natural Water of Texas, LLC	Texas
Blue Topaz Water, LLC	Texas
Blue Topaz Infrastructure, LLC	Texas
T & W Water Service Company (dba Blue Topaz Utilities)	Texas
NW Natural Water of Arizona, LLC	Oregon
Foothills Water & Sewer, LLC (dba Foothills Utilities)	Arizona
Turquoise Infrastructure, LLC	Oregon
NW Natural Water of California, LLC	Oregon
Blue Diamond Water Company, LLC	California
Blue Diamond Infrastructure, LLC	Oregon
NW Natural Water Services, LLC	Oregon

(1) Subsidiary of Northwest Natural Gas Company

### CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in the Registration Statements on Form S-8 (Nos. 333-187005-01, 333-180350-01, 333-134973-01, 333-139819-01, 333-221347-01, 333-227687, 333-234539, and 333-266517) and Form S-3 (No. 333-258792) of Northwest Natural Holding Company of our report dated February 24, 2023 relating to the financial statements, financial statement schedules and the effectiveness of internal control over financial reporting, which appears in this Form 10-K.

/s/ PricewaterhouseCoopers LLP Portland, Oregon February 24, 2023 We hereby consent to the incorporation by reference in the Registration Statements on Form S-8 (No. 333-214425) and Form S-3 (No. 333-258792-01) of Northwest Natural Gas Company of our report dated February 24, 2023 relating to the financial statements and financial statement schedule which appears in this Form 10-K.

/s/ PricewaterhouseCoopers LLP Portland, Oregon February 24, 2023 I, David H. Anderson, certify that:

1. I have reviewed this annual report on Form 10-K for the year ended December 31, 2022 of Northwest Natural Gas Company;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f)) for the registrant and have:

(a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

(b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

(c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

(d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

(a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

(b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 24, 2023

<u>/s/ David H. Anderson</u> David H. Anderson President and Chief Executive Officer I, Frank H. Burkhartsmeyer, certify that:

1. I have reviewed this annual report on Form 10-K for the year ended December 31, 2022 of Northwest Natural Gas Company;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f)) for the registrant and have:

(a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

(b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

(c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

(d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

(a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

(b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 24, 2023

<u>/s/ Frank H. Burkhartsmeyer</u> Frank H. Burkhartsmeyer Senior Vice President and Chief Financial Officer I, David H. Anderson, certify that:

1. I have reviewed this annual report on Form 10-K for the year ended December 31, 2022 of Northwest Natural Holding Company;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f)) for the registrant and have:

(a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

(b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

(c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

(d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

(a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

(b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 24, 2023

<u>/s/ David H. Anderson</u> David H. Anderson President and Chief Executive Officer I, Frank H. Burkhartsmeyer, certify that:

1. I have reviewed this annual report on Form 10-K for the year ended December 31, 2022 of Northwest Natural Holding Company;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f)) for the registrant and have:

(a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

(b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

(c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

(d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

(a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

(b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 24, 2023

<u>/s/ Frank H. Burkhartsmeyer</u> Frank H. Burkhartsmeyer Senior Vice President and Chief Financial Officer

# NORTHWEST NATURAL GAS COMPANY

Certificate Pursuant to Section 906

of Sarbanes - Oxley Act of 2002

Each of the undersigned, DAVID H. ANDERSON, Chief Executive Officer, and FRANK H. BURKHARTSMEYER, the Chief Financial Officer, of NORTHWEST NATURAL GAS COMPANY (the Company), DOES HEREBY CERTIFY that:

1. The Company's Annual Report on Form 10-K for the year ended December 31, 2022 (the Report) fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and

2. Information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

IN WITNESS WHEREOF, each of the undersigned has caused this instrument to be executed this twenty-fourth day of February 2023.

<u>/s/ David H. Anderson</u> David H. Anderson President and Chief Executive Officer

<u>/s/ Frank H. Burkhartsmeyer</u> Frank H. Burkhartsmeyer Senior Vice President and Chief Financial Officer

A signed original of this written statement required by Section 906 of the Sarbanes-Oxley Act of 2002 has been provided to Northwest Natural Gas Company and will be retained by Northwest Natural Gas Company and furnished to the Securities and Exchange Commission or its staff upon request.

# NORTHWEST NATURAL HOLDING COMPANY

Certificate Pursuant to Section 906

of Sarbanes - Oxley Act of 2002

Each of the undersigned, DAVID H. ANDERSON, Chief Executive Officer, and FRANK H. BURKHARTSMEYER, the Chief Financial Officer, of NORTHWEST NATURAL HOLDING COMPANY (the Company), DOES HEREBY CERTIFY that:

1. The Company's Annual Report on Form 10-K for the year ended December 31, 2022 (the Report) fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and

2. Information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

IN WITNESS WHEREOF, each of the undersigned has caused this instrument to be executed this twenty-fourth day of February 2023.

<u>/s/ David H. Anderson</u> David H. Anderson President and Chief Executive Officer

<u>/s/ Frank H. Burkhartsmeyer</u> Frank H. Burkhartsmeyer Senior Vice President and Chief Financial Officer

A signed original of this written statement required by Section 906 of the Sarbanes-Oxley Act of 2002 has been provided to Northwest Natural Holding Company and will be retained by Northwest Natural Holding Company and furnished to the Securities and Exchange Commission or its staff upon request.

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# Investor and Shareholder Information



NIKKI SPARLEY Director, Investor Relations and Treasury Toll free (800) 422-4012, Ext. 2530 Direct (503) 721-2530 nikki.sparley@nwnatural.com



CATHY CROWN Manager, Shareholder Services Toll free (800) 422-4012, Ext. 2402 Direct (503) 220-2402 cathy.crown@nwnatural.com

#### STOCK TRANSFER AGENT AND REGISTRAR

For common stock: American Stock Transfer & Trust Company 6201 15th Avenue Brooklyn, NY 11219 (888) 777-0321 web: astfinancial.com email: info@astfinancial.com

#### TRUSTEE AND BOND PAYING AGENT

For bond issues: Deutsche Bank Trust Company Americas 60 Wall Street New York, NY 10005 (800) 735-7777

# Living Our Core Values Every Day

### Integrity

 Earned the prestigious distinction as one of the Ethisphere[®] Institute's 2023 World's Most Ethical Companies[®] for the second year in a row

### 🔵 Safety

- No cast iron or bare steel pipe in the natural gas system, making our system one of the tightest and most modern in the nation
- Laser focused on employee safety with our Journey to Zero program, which has resulted in better employee health and safety

## Caring

- Helps low-income customers manage their natural gas bills through a variety of programs
- Donates time and money to local nonprofits in the areas we serve with a heightened focus on organizations that demonstrate a commitment to diversity, equity and inclusion



#### Service Ethic

• Consistently receive top-level customer satisfaction scores in J.D. Power and Escalent studies



#### **Environmental Stewardship**

- Partners with Energy Trust of Oregon to offer natural gas customers energy-efficiency programs and services as we work toward a net carbon-neutral future
- Supports water conservation and encourages customers to reduce water use and has installed technology to help minimize water leakage across its infrastructure

Learn more about how our values guide our work: nwnatural.com/esgreport

"World's Most Ethical Companies" and "Ethisphere" names and marks are registered trademarks of Ethisphere LLC





250 SW TAYLOR STREET PORTLAND, OREGON 97204 NWNATURALHOLDINGS.COM NYSE: NWN



# **Our Core Values**

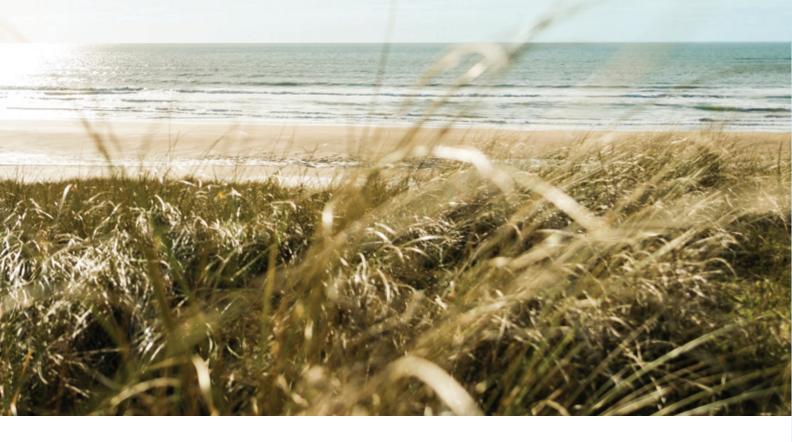
Integrity Safety Caring Service Ethic Environmental Stewardship

## **Our Mission**

We provide safe, reliable and affordable utility services and renewable energy in a sustainable way to better the lives of the communities we serve.

# **Our Vision**

Lead in service excellence, innovation and environmental stewardship by harnessing our passion for customers.





	- 2016 Debit (Credit)	- 2017 Debit (Credit)	- 2018 Debit (Credit)	- 2019 Debit (Credit)	- 2020 Debit (Credit)	(0) <b>2021</b> Debit (Credit)	2022 Debit (Credit)
100-199 Assets and Other Debits.	. ,	. ,	. ,	. ,	. ,		
1. Utility Plant							
101 Gas plant in service.	-	-	-	-			
101.1 Property under capital leases.				7,657,435	87,581,610	88,118,279	
102 Gas plant purchased or sold. 103 Experimental gas plant unclassified.							
105 Experimental gas plant unclassified. 104 Gas plant leased to others.							
105 Gas plant held for future use.	923,155	970,068	970,068	970,068	970,068	970,068	
105.1 Production properties held for future use.	,	,	,	,	,	,	
106 Completed construction not classified - Gas.			-	-			
107 Construction work in progress - Gas.	62,264,074	159,923,802	204,978,958	84,964,806	61,577,633	125,976,868	
108 Accumulated provision for depreciation of gas utility plant.	(1,188,014,717)	(1,250,333,767)	(1,305,243,878)	(1,375,622,544)	(1,446,370,667)	(1,514,755,088)	
109 [Reserved]							
111 Accumulated provision for amortization and depletion of gas utility plant.	(78,041,739)	(81,047,030)	(83,059,998)	(91,144,659)	(103,789,073)	(108,308,637)	
111.1-111.2 [Reserved] 112 [Reserved]							
112 [Reserved] 113.1-113.2 [Reserved]							
114 Gas plant acquisition adjustments.	23,066,105	28,885,855	34,857,379	41,306,642	52,396,593	55,935,643	
115 Accumulated provision for amortization of gas plant acquisition adjustments.	,,		, ,		,,	,,	
116 Other gas plant adjustments.							
117.1 Gas stored-Base gas.	14,133,895	18,488,587	18,494,189	25,409,543	25,390,150	25,405,239	
117.2 System balancing gas.							
117.3 Gas stored in reservoirs and pipelines-noncurrent.							
117.4 Gas owed to system gas.							
118 Other utility plant.							
119 Accumulated provision for depreciation and amortization of other utility plant. 2. Other Property and Investments							
121 Nonutility property.	67,258,603	69,119,165	71,338,418	69,061,380	71,332,440	74,302,804	
122 Accumulated provision for depreciation and amortization of nonutility property.	(17,395,661)	(18,719,439)	(20,013,772)	(20,136,243)	(21,171,862)	(22,242,662)	
123 Investment in associated companies.	( )/	( -, -,,	( ), ), )	( -,, -,	( ) ) )	( ) ) )	
123.1 Investment in subsidiary companies.	290,518,132	152,179,432	105,582,148	88,130,262	76,634,144	75,042,560	
124 Other investments.	54,581,443	52,653,735	49,921,908	49,836,949	49,241,333	48,177,808	
125 Sinking funds.							
126 Depreciation fund.							
128 Other special funds. 3. Current and Accrued Assets							
131 Cash.	1,056,799	700,753	2,875,276	679,105	1,203,509	460,276	
132 Interest special deposits.	1,030,755	700,755	2,075,270	075,105	1,203,505	400,270	
133 Dividend special deposits.							
134 Other special deposits.	1,910,852	1,930,838	4,850,774	4,999,226	8,490,060	8,874,679	
135 Working funds.	185,600	210,200	204,200	209,569	207,476	205,292	
136 Temporary cash investments.	3,536,921	2,574,132	2,273,382	2,988,035	5,286,419	8,561,135	
141 Notes receivable.							
142 Customer accounts receivable.	60,578,953	58,685,488	58,209,024	60,461,257	75,096,470	91,268,528	
143 Other accounts receivable.	2,666,067 (1,290,276)	6,242,775 (955,630)	6,148,203 (975,367)	5,087,344 (671,594)	3,450,314 (3,106,853)	6,692,473 (1,961,739)	
144 Accumulated provision for uncollectible accounts - Cr. 145 Notes receivable from associated companies.	(1,290,276)	(955,650)	(975,507)	(0/1,594)	(3,100,853)	(1,901,739)	
146 Accounts receivable from associated companies.	207,935	223,899	542,109	786,535	660,307	459,715	
151 Fuel stock.		,		,	,	,	
152 Fuel stock expenses undistributed.							
153 Residuals and extracted products.							
154 Plant materials and operating supplies (Major only).	10,102,594	10,064,217	13,381,651	15,484,130	16,639,963	18,212,515	
155 Merchandise.	924,116	863,669	879,463	944,230	968,529	1,160,801	
156 Other materials and supplies.							
163 Stores expense undistributed.	20 746 075	22 007 052	26 464 527	24 752 544	24 746 406	22.250.001	
164.1 Gas stored - current.	38,746,875	32,907,852	26,164,527	24,753,544	21,716,106	33,350,964	
164.2 Liquefied natural gas stored. 164.3 Liquefied natural gas held for processing.	3,989,561	3,741,745	3,700,596	2,713,986	2,999,958	4,027,804	
164.3 Elquelled natural gas neid for processing. 165 Prepayments.	20,449,382	23,958,674	27,719,997	24,651,092	26,945,333	28,435,108	
roo ropaymente.	20, 1.0,002	20,000,074	2,,, 20,007	21,001,002	20,0 10,000	20, 100,100	

Too Advances for gas exploration, development, and production.						
167 Other advances for gas.						
171 Interest and dividends receivable.						
172 Rents receivable.						
173 Accrued utility revenues.	64,945,750	62,380,896	57,773,088	56,139,400	57,890,055	82,028,211
174 Miscellaneous current and accrued assets.		2,108,594	4,015,983	3,796,240	3,505,877	1,517,690
175 Derivative Instrument Assets	20,426,000	3,041,000	9,726,000	10,138,486	19,812,993	58,859,994
		5,041,000	5,720,000	10,138,460	19,012,995	36,639,994
176 Derivative Instrument Assets - Hedges	(130,000)					
4. Deferred Debits						
181 Unamortized debt expense.	7,915,836	7,172,109	6,859,484	6,731,211	8,227,645	9,935,274
182.1 Extraordinary property losses.						
182.2 Unrecovered plant and regulatory study costs.						
182.3 Other regulatory assets.	43,047,984	22,208,524	21,402,172	19,381,684	17,103,787	14,817,643
183.1 Preliminary natural gas survey and investigation charges.						
183.2 Other preliminary survey and investigation charges.	15,080	351,235	309,011	1,223,507	4,407,522	5,028,209
184 Clearing accounts.		237,192	398,385	25,793	(83,556)	208,880
185 Temporary facilities.		- , -	,	-,	(	,
186 Miscellaneous deferred debits.	348,569,715	379,132,163	389,388,768	359,690,847	378,464,551	344,529,926
187 Deferred losses from disposition of utility plant.	5 10,505,7 15	070)102,100	565,566,766	0000,000,017	576,101,551	511,525,520
188 Research, development, and demonstration expenditures.	2 472 022		4 000 000			
189 Unamortized loss on reacquired debt.	2,473,832	2,117,564	1,808,092	1,519,144	1,261,516	1,019,600
190 Accumulated deferred income taxes.						
191 Unrecovered purchased gas costs.	(2,156,449)	(19,277,807)	(4,864,721)	19,773,514	4,485,643	50,852,420
200-299 Liabilities and Other Credits.						
5. Proprietary Capital						
201 Common stock issued.	(447,633,104)	(451,282,098)	(228,868,408)	(228,868,408)	(228,868,408)	(228,868,408)
202 Common stock subscribed.						
203 Common stock liability for conversion.						
204 Preferred stock issued.			(1)	(1)	(1)	(1)
205 Preferred stock subscribed.			( )	( )	( )	
206 Preferred stock liability for conversion.						
207 Premium on capital stock.						
•						
208 Donations received from stockholders.						
209 Reduction in par or stated value of capital stock.	(4, 540, 654)	(4.540.054)	(4.540.054)	(0.4.000, 005)	(0.4.755.05.0)	(240 764 000)
210 Gain on resale or cancellation of reacquired capital stock.	(1,649,864)	(1,649,864)	(1,649,864)	(94,806,835)	(94,755,256)	(210,764,800)
211 Miscellaneous paid-in capital.						
212 Installments received on capital stock.	(24,333)	(51,283)	(51,579)	-		
213 Discount on capital stock.						
214 Capital stock expense.	4,120,800	4,118,163	4,118,163	4,118,163	4,118,163	4,118,163
215 Appropriated retained earnings.						
216 Unappropriated retained earnings.	(442,145,578)	(453,862,896)	(472,303,081)	(500,860,482)	(513,824,815)	(527,993,220)
216.1 Unappropriated undistributed subsidiary earnings.	35,758,812	39,698,388	(1,723,137)		-	
217 Reacquired capital stock.	,,-		() -) - )			
219 Accumulated Other Comprehensive Income	6,950,693	8,437,839	7,187,559	10,733,393	12,902,263	11,403,966
6. Long-Term Debt	0,550,055	0,437,035	7,107,555	10,733,333	12,502,205	11,405,500
221 Bonds.	(726,700,000)	(786,700,000)	(720 700 000)	(849,700,000)	(924,700,000)	(994,700,000)
	(728,700,000)	(780,700,000)	(739,700,000)	(849,700,000)	(924,700,000)	(994,700,000)
222 Reacquired bonds.						
223 Advances from associated companies.						
224 Other long-term debt.						
225 Unamortized premium on long-term debt.						
226 Unamortized discount on long-term debt - Debit.						
7. Other Noncurrent Liabilities.						
227 Obligations under capital leases - noncurrent.	(1,302)			(772,078)	(80,559,010)	(79,431,045)
228.1 Accumulated provision for property insurance.	(214,000)	(154,000)	(49,000)	(49,000)	(24,000)	(24,000)
228.2 Accumulated provision for injuries and damages.	(105,581,286)	(110,501,943)	(97,813,193)	(98,810,516)	(93,836,623)	(90,534,983)
228.3 Accumulated provision for pensions and benefits.	(246,639,501)	(244,476,672)	(243,230,414)	(250,467,983)	(239,484,640)	(188,629,227)
228.4 Accumulated miscellaneous operating provisions.	( , ,	, ,	, .,	( / /	( ··· , ··· , ··· )	( / <del> / / /</del> /
229 Accumulated provision for rate refunds.						
8. Current and Accrued Liabilities						
	(53,300,000)	(E4 100 00C)	(217 500 000)	(125 100 000)	(221 525 000)	124E E00 000
231 Notes payable.	(53,300,000)	(54,199,996)	(217,500,000)	(125,100,000)	(231,525,000)	(245,500,000)
232 Accounts payable.	(83,472,534)	(108,414,210)	(113,505,529)	(110,209,202)	(93,287,776)	(129,883,021)

233 Notes payable to associated companies.

166 Advances for gas exploration, development, and production.

234 Accounts payable to associated companies.	(9,635,034)	(22,115,481)	(20,521,744)	(17,251,481)	(16,290,171)	(14,851,210)	
235 Customer deposits.	(5,538,638)	(5,087,361)	(4,994,176)	(4,855,552)	(3,213,864)	(1,534,781)	
236 Taxes accrued.	(12,114,133)	(18,843,587)	(10,989,713)	(12,968,972)	(29,264,171)	(16,209,078)	
237 Interest accrued.	(5,965,876)	(6,773,318)	(7,272,799)	(7,441,256)	(7,338,131)	(7,296,114)	
238 Dividends declared.							
239 Matured long-term debt.							
240 Matured interest.							
241 Tax collections payable.	(4,885,736)	(5,779,961)	(5,681,850)	(6,001,360)	(6,123,645)	(6,748,247)	
242 Miscellaneous current and accrued liabilities.	(21,861,114)	(26,390,275)	(39,688,332)	(47,698,664)	(39,371,984)	(42,702,519)	
243 Obligations under capital leases - current.	1,302	(	(	(2,170,810)	(1,795,978)	(1,527,261)	
244 Derivative Instrument Liabilities	(2,098,000)	(23,371,000)	(15,406,000)	(2,608,418)	(7,049,272)	(10,813,279)	
245 Derivative Instrument Liabilities - Hedges	(130,000)	(23,371,000)	(13,400,000)	(2,000,410)	(7,045,272)	(10,013,275)	
9. Deferred Credits	(130,000)						
252 Customer advances for construction.	(3,740,828)	(3,965,149)	(4,410,555)	(7,367,884)	(6,253,436)	(8,157,679)	
253 Other deferred credits.							
	(7,142,848)	(7,323,027)	(32,686,031)	(6,116,933)	(5,749,705)	(5,369,079)	
254 Other regulatory liabilities.	(32,969,672)	(230,410,020)	(253,954,660)	(236,912,097)	(233,622,399)	(297,339,912)	
255 Accumulated deferred investment tax credits.	(3,983)	(2)	(2)	-	-		
256 Deferred gains from disposition of utility plant.							
257 Unamortized gain on reacquired debt.							
281 Accumulated deferred income taxes - Accelerated amortization property.							
282 Accumulated deferred income taxes - Other property.							
283 Accumulated deferred income taxes - Other.	(511,259,117)	(288,303,953)	(298,906,395)	(316,577,835)	(329,884,251)	(353,350,392)	
300-399 Plant Accounts.							
1. Intangible Plant							
301 Organization.	1,174	1,174	1,174	1,174	1,174	1,174	
302 Franchises and consents.	83,621	83,621	83,621	83,621	83,621	83,621	
303 Miscellaneous intangible plant.	99,590,430	105,175,574	117,067,790	126,535,595	171,830,400	178,224,625	
2. Production Plant							
a. manufactured gas production plant							
304 Land and land rights.	24,998	24,998	24,998	24,998	24,998	24,998	
305 Structures and improvements.	68,063	68,063	68,063	68,063	68,063	68,063	
306 Boiler plant equipment.							
307 Other power equipment.							
308 Coke ovens.							
309 Producer gas equipment.							
310 Water gas generating equipment.							
311 Liquefied petroleum gas equipment.	8.242	8,242	8,242	8.242	8,242	8.242	
312 Oil gas generating equipment.	0,212	0,212	0,212	0,212	0,212	0,2.12	
313 Generating equipment - Other processes.							
314 Coal, coke, and ash handling equipment.							
315 Catalytic cracking equipment.							
316 Other reforming equipment.							
317 Purification equipment.	202.447	200 447	200 117	200 447	200 447	200 447	
318 Residual refining equipment.	388,447	388,447	388,447	388,447	388,447	388,447	
319 Gas mixing equipment.	185,448	185,448	185,448	185,448	185,448	185,448	
320 Other equipment.							
b. natural gas production plant							
3. Natural Gas Storage and Processing Plant							
a. underground storage plant							
350.1 Land.	106,549	106,549	106,549	106,549	106,549	106,549	
350.2 Rights-of-way.	109,625	109,625	109,625	109,625	109,625	109,625	
350.3 North Mist Expansion Project Rights-of-way.				538,145	538,079	538,145	
350.4 North Mist Expansion Project Land				461,268	461,212	461,268	
350.5 NWN Only North Mist Expansion Project Rights-of-way						2,611	
350.6 NWN Only North Mist Expansion Project Land						3,047	
351 Structures and improvements.	7,208,245	7,382,069	8,631,863	8,634,151	8,634,151	8,919,522	
351.1 North Mist Expansion Project Structures and Improvements				6,784,473	7,116,441	11,709,397	
351.2 NWN Only NMEP Structures and Improvements						34,890	
352 Wells.	20,047,076	20,047,076	23,261,814	25,605,819	29,147,039	31,497,831	
352.1 Storage leaseholds and rights.	3,938,491	3,938,491	3,938,491	3,938,491	3,938,491	3,938,491	
352.2 Reservoirs.	7,272,553	7,272,553	7,272,553	7,272,553	7,272,553	7,272,553	
352.3 Nonrecoverable natural gas.	6,440,890	6,440,890	6,440,890	6,440,890	6,440,890	6,440,890	
662.6 Nonreceverable natural gas.	0,440,000	0,440,050	0,440,050	0,440,050	0,440,050	0,440,000	

352.4 North Mist Expansion Project Wells				16,159,768	16,268,882	17,119,662	
352.5 North Mist Expansion Project Storage Leaseholds & Rights				2,619,103	2,625,361	2,642,483	
352.6 North Mist Expansion Project Reservoirs				2,619,103	2,625,361	2,642,483	
352.7 North Mist Expansion Project Nonrecoverable natural gas				2,696,233	2,702,662	2,696,233	
352.8 NWN Only North Mist Expansion Project Wells						89,656	
352.9 NWN Only North Mist Expansion Project Storage Leasehold & Rights						15,450	
352.10 NWN Only North Mist Expansion Project Reservoirs						15,450	
352.11 NWN Only North Mist Expansion Project Nonrecoverable natural gas						15,886	
353 Lines.	6,552,220	6,552,220	7,274,713	8,087,704	8,207,380	8,211,418	
353.1 North Mist Expansion Project Lines				332,621	352,733	459,584	
353.2 NWN Only North Mist Expansion Project Lines						1,741	
354 Compressor station equipment.	31,351,812	31,352,716	31,352,716	32,592,775	27,592,775	27,592,775	
354.7 North Mist Expansion Project Compressor Station Equipment	- , ,-	- , ,	- , , -	27,599,508	27,985,014	23,166,410	
354.8 NWN Only NMEP Compressor Station Equipment						238,430	
355 Measuring and regulating equipment.	7,284,199	7,408,127	7,408,127	7,484,620	9,658,080	17,013,339	
355.1 North Mist Expansion Project Measuring/Regulating Equipment	.,,,	.,,	.,,	15,519,402	15,947,660	10,762,340	
355.2 NWN Only NMEP Compressor Station Equipment				10,010,102	10,010,000	67,604	
356 Purification equipment.	297,363	297,363	363,606	363,765	28,182,836	28,464,761	
356.1 NMEP Purification Equipment	257,505	237,000	505,000	500,705	20,202,000	6,652,661	
357 Other equipment.	1,332,029	1,332,029	2,357,694	2,359,568	4,596,732	5,084,953	
b. other storage plant	1,352,025	1,552,025	2,337,034	2,335,500	4,330,732	5,004,555	
360 Land and land rights.	726,830	726,830	726,830	726,830	726,830	726,588	
361 Structures and improvements.	12,669,192	15,109,357	22,554,796	22,795,423	22,867,467	23,026,043	
362 Gas holders.	10,108,669				10,484,768	10,484,768	
	10,108,669	10,484,768	10,484,768	10,484,768	10,484,788	10,464,766	
363 Purification equipment.	40.475.075		40.000.000		40 400 505	40.000.400	
363.1 Liquefaction equipment.	10,475,375	14,034,083	18,902,862	19,123,945	19,198,606	19,882,120	
363.2 Vaporizing equipment.	6,361,008	8,198,431	8,198,431	8,198,431	11,166,267	11,176,827	
363.3 Compressor equipment.	3,693,337	4,547,618	4,804,214	4,804,214	4,925,397	5,744,436	
363.4 Measuring and regulating equipment.	1,362,034	12,741,667	13,323,478	13,440,544	13,908,271	14,427,424	
363.5 Other equipment.	3,051,295	3,051,295	3,051,295	3,051,295	3,051,295	3,051,295	
c. base load liquefied natural gas terminaling and processing plant	739,473	739,473	739,473	739,473	739,473	739,473	
364.1 Land and land rights .							
364.2 Structures and improvements.							
364.3 LNG processing terminal equipment.							
364.4 LNG transportation equipment.							
364.5 Measuring and regulating equipment.							
364.6 Compressor station equipment.							
364.7 Communication equipment.							
364.8 Other equipment.							
4. Transmission Plant							
365.1 Land and land rights.	89,772	89,772	1,015,597	1,015,597	1,015,597	1,015,597	
365.2 Rights-of-way.	6,455,177	6,455,177	6,455,177	6,455,177	6,455,177	6,455,177	
365.3 North Mist Expansion Project Land Rights				538,142	538,076	577,199	
366 Structures and improvements.	1,546,073	1,546,073	1,546,073	1,546,073	1,546,073	1,546,073	
367 Mains.	307,474,014	310,664,269	325,504,075	401,971,974	411,357,767	418,261,377	
368 Compressor station equipment.							
369 Measuring and regulating station equipment.	3,969,549	3,969,549	3,969,549	3,969,549	3,969,549	3,969,549	
370 Communication equipment.	-,,	-,,	-,,	-,,	-,,	-,,	
371 Other equipment.							
5. Distribution Plant							
374 Land and land rights.	1,969,535	1,969,535	1,971,921	1,971,954	2,097,873	2,097,873	
375 Structures and improvements.	1,398,111	1,417,773	1,519,558	1,519,558	1,519,558	1,519,558	
376 Mains.	1,095,877,132	1,137,607,703	1,194,895,799	1,253,447,423	1,324,768,910	1,380,442,581	
377 Compressor station equipment.	818,380	818,380	818,380	818,380	818,380	818,380	
378 Measuring and regulating station equipment - General.	33,450,398	34,412,772	37,114,821	38,325,632	41,139,659	46,376,845	
379 Measuring and regulating station equipment - City gate check stations.	7,514,713	10,845,581	13,707,266	16,201,552	18,110,617	19,704,761	
379 measuring and regulating station equipment - Gity gate check stations. 380 Services.	7,514,713	768,541,097	800,894,952	837,805,413	875,426,721	919,560,854	
381 Meters.	128,767,508	132,261,941	138,471,208	146,180,983	875,426,721 151,921,498	159,055,089	
			, ,				
382 Meter installations.	69,239,916	70,585,402	71,741,762 2,203,738	73,703,163	73,868,339 2,553,748	73,605,361 2,679,217	
383 House regulators.	1,678,311	1,871,924	2,203,738	2,419,652	2,333,748	2,0/9,21/	
384 House regulatory installations.							
385 Industrial measuring and regulating station equipment.							

386 Other property on customers' premises.	-	1,100,432	1,303,646	1,162,110	1,162,110	1,162,110	
387 Other equipment.	342,954	342,954	342,954	342,954	342,954	342,954	
6. General Plant							
389 Land and land rights.	10,767,907	10,767,907	10,767,907	11,652,361	12,624,629	12,668,415	
390 Structures and improvements.	78,653,964	79,673,499	90,779,799	95,162,798	97,114,697	131,524,944	
391 Office furniture and equipment.	32,483,479	37,855,484	35,263,826	47,359,861	73,004,734	69,570,270	
392 Transportation equipment.	38,658,205	42,561,613	46,746,329	51,660,779	54,519,110	56,516,971	
393 Stores equipment.	119,406	119,406	119,406	119,406	119,406	119,406	
394 Tools, shop and garage equipment.	9,887,393	11,859,950	13,169,801	14,397,767	16,925,339	18,082,536	
395 Laboratory equipment.	68,293	68,293	277	-			
396 Power operated equipment.	9,040,188	10,044,972	11,256,429	12,540,849	14,021,594	15,514,453	
397 Communication equipment.	9,104,657	10,310,659	4,997,761	12,403,965	17,308,178	19,474,001	
398 Miscellaneous equipment.	187,793	187,793	108,906	108,903	124,956	124,956	
399 Other tangible property.							
400-432, 434-435 Income Accounts.							
1. Utility Operating Income							
operating expenses							
400 Operating revenues.							
401 Operation expense.							
402 Maintenance expense.							
403 Depreciation expense.	76,288,699	79,733,795	83,732,032	89,414,896	100,591,033	109,474,658	
404.1 Amortization and depletion of producing natural gas land and land rights.	, 0,200,000	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	00,702,002	03) 12 1,030	100,001,000	100,17 1,000	
404.2 Amortization of underground storage land and land rights.							
404.3 Amortization of other limited-term gas plant.							
405 Amortization of other gas plant.							
406 Amortization of gas plant acquisition adjustments.							
407.1 Amortization of property losses, unrecovered plant and regulatory study costs.							
407.2 Amortization of conversion expense.							
407.3 Regulatory debits.	13,298,002	15,291,409	11,127,377	12,336,840	9,690,897	9,937,553	
407.4 Regulatory credits.	13,230,002	13,231,405	11,127,577	12,330,040	5,050,057	5,557,555	
408 [Reserved]							
408.1 Taxes other than income taxes, utility operating income.	45,675,819	49,004,406	48,709,075	49,362,241	51,606,562	57,184,722	
409 [Reserved]	45,075,815	45,004,400	48,705,075	45,502,241	51,000,502	57,104,722	
409 [Reserved] 409.1 Income taxes, utility operating income.	15,772,899	21 452 271	9,440,271	6 019 426	14,423,877	11,191,049	
409.1 Income taxes, duility operating income. 410 [Reserved]	15,772,899	21,453,371	9,440,271	6,918,426	14,423,877	11,191,049	
410.1 Provision for deferred income taxes, utility operating income.	45,245,865	58,229,567	37,215,916	60,848,892	32,968,241	36,126,545	
410.1 Provision for deletted income taxes, duiny operating income. 411 [Reserved]	45,245,605	58,229,507	37,215,910	00,646,692	52,908,241	30,120,545	
	(21.000.000)	(20 700 702)	(26.027.705)	(FC 020 0C0)	(20 502 422)	(22.100.200)	
411.1 Provision for deferred income taxes - Credit, utility operating income. 411.3 [Reserved]	(21,966,966)	(38,750,782)	(26,037,795)	(56,029,969)	(28,592,422)	(23,166,388)	
	(42 592)	(2.081)		(2)			
411.4 Investment tax credit adjustments, utility operations.	(43,583)	(3,981)		(2)	-		
411.6 Gains from disposition of utility plant.							
411.7 Losses from disposition of utility plant. Total utility operating expenses.							
other operating income							
412 Revenues from gas plant leased to others.							
413 Expenses of gas plant leased to others.							
414 Other utility operating income. Net utility operating income.							
2. Other Income and Deductions							
a. other income	(5.464.002)	(F C 44 FOC)	(5 (24 527)	(5 500 600)	(5 440 242)	(5.075.574)	
415 Revenues from merchandising, jobbing and contract work.	(5,164,002)	(5,641,506)	(5,631,537)	(5,500,680)	(5,410,243)	(5,975,571)	
416 Costs and expenses of merchandising, jobbing and contract work.	5,073,484	5,492,608	5,483,291	5,542,888	5,064,264	5,468,978	
417 Revenues from nonutility operations.	(30,226,415)	(29,937,459)	(37,537,508)	(32,697,836)	(23,637,869)	(65,853,212)	
417.1 Expenses of nonutility operations.	14,979,583	15,525,969	20,496,890	20,640,048	15,275,008	49,900,055	
418 Nonoperating rental income.	(467,099)	(430,848)	(1,122,624)	(531,803)	(541,589)	(552,555)	
418.1 Equity in earnings of subsidiary companies.	3,939,576	127,342,694	1,723,137	-	-	1,834	
419 Interest and dividend income.	(776,187)	(3,932,693)	(3,962,217)	(2,052,440)	(1,648,842)	(5,338,149)	
419.1 Allowance for other funds used during construction.	-	(2,601,368)	(3,964,151)	(656,996)	18	-	
421 Miscellaneous nonoperating income.	(48,406)	(42,438)	(159,048)	(33,037)	(429,572)	(265,123)	
421.1 Gain on disposition of property. Total other income.							
b. other income deductions							
421.2 Loss on disposition of property.							
425 Miscellaneous amortization.							

426 [Reserved]

426.1 Donations.	1,166,216	1,020,825	1,107,144	1,281,112	806,608	1,652,924
426.2 Life insurance.	(1,696,962)	(2,492,693)	(1,682,347)	(1,596,257)	(1,801,727)	(1,547,475)
426.3 Penalties.	5	400				22,601
426.4 Expenditures for certain civic, political and related activities.	1,272,927	1,135,662	1,232,171	1,012,855	769,643	1,196,496
426.5 Other deductions. Total other income deductions. Total other income and deductions. c. taxes applicable to other income and deductions	236,764	58,035	51,252	13,156	4,770	2,496
408.2 Taxes other than income taxes, other income and deductions	655,905	681,501	712,140	744,587	683,382	704,134
409.2 Income taxes, other income and deductions.	2,988,677	3,806,056	3,532,653	1,938,398	2,025,668	3,919,705
410.2 Provision for deferred income taxes, other income and deductions.	2,453,227	(2,415,299)	927,469	(1,055,888)	(93,774)	405,597
411.2 Provision for deferred income taxes - Credit, other income and deductions.	(843,924)	(182,373)	(63,824)	2,935	(10,502)	(11,542)
411.5 Investment tax credit adjustments, nonutility operations.	(	( - , ,	(,,	,	( -) )	( )-
420 Investment tax credits. Total taxes on other income and deductions. Net other income and	deductions.					
3. Interest Charges						
427 Interest on long-term debt.	34,508,090	36,808,658	36,998,114	39,441,347	40,101,775	40,618,719
428 Amortization of debt discount and expense.	1,314,276	1,660,650	1,693,322	1,521,518	622,335	836,376
428.1 Amortization of loss on reacquired debt.	356,268	356,268	309,472	288,948	257,628	241,916
429 Amortization of premium on debt - Credit.						
429.1 Amortization of gain on reacquired debt - Credit.						
430 Interest on debt to associated companies.		4 200 074		0.050.040		
431 Other interest expense.	2,421,401	1,299,074	2,904,881	3,858,212	1,944,512	1,904,449
432 Allowance for borrowed funds used during construction - Credit. Net interest charges. 4. Extraordinary Items	(463,904)	(2,494,702)	(4,796,752)	(3,626,359)	(2,060,218)	(618,468)
434 Extraordinary income.						
435 Extraordinary deductions.						
409.3 Income taxes, extraordinary items. Net income						
433, 436-439 Retained Earnings Accounts.						
Retained Earnings Chart of Accounts						
433 Balance transferred from income.						
436 Appropriations of retained earnings.						
437 Dividends declared - preferred stock.						
438 Dividends declared - common stock.	51,624,740	54,288,736	41,034,756	52,006,202	55,354,559	56,056,580
439 Adjustments to retained earnings.						
480-499 Revenue Accounts.						
1. Sales of Gas 480 Residential sales.	(400 802 165)	(459 762 020)	(407,940,700)	(430,902,294)	(442.022.067)	(475,564,148)
480 Residential sales. 481 Commercial and industrial sales.	(400,892,165) (238,071,859)	(458,762,939) (274,611,130)	(407,940,700) (241,293,260)	(430,902,294) (248,547,943)	(442,933,967) (227,845,267)	(255,601,071)
482 Other sales to public authorities.	(238,071,839)	(274,011,130)	(241,295,200)	(240,347,943)	(227,843,207)	(233,001,071)
483 Sales for resale.						
484 Interdepartmental sales.						
485 Intracompany transfers.						
2. Other Operating Revenues						
487 Forfeited discounts.	(2,000,024)	(2,205,197)	(2,015,349)	(2,076,088)	(2,106,614)	(2,141,545)
488 Miscellaneous service revenues.	(1,098,870)	(1,153,004)	(1,380,755)	(1,318,010)	(708,382)	(576,882)
489.1 Revenues from transportation of gas of others through gathering facilities.						
489.2 Revenues from transportation of gas of others through transmission facilities.						
489.3 Revenues from transportation of gas of others through distribution facilities.	(19,876,956)	(20,351,015)	(21,848,308)	(22,513,550)	(19,921,966)	(20,041,505)
489.4 Revenues from storing gas of others.				(11,820,609)	(19,465,512)	(18,862,740)
490 Sales of products extracted from natural gas.						
491 Revenues from natural gas processed by others. 492 Incidental gasoline and oil sales.						
492 Incidental gasoline and oil sales. 493 Rent from gas property.	(385,832)	(241,126)	(190,377)	(171,374)	(88,456)	(79,687)
494 Interdepartmental rents.	(565,652)	(241,120)	(150,577)	(1/1,5/4)	(88,450)	(75,087)
495 Other gas revenues.	(5,261,370)	5,313,442	7,234,096	9,377,080	(16,797,447)	(30,416,852)
496 Provision for rate refunds	(=,==,=,=,=,=,	-,,	.))==	-,,	(, _ , , _ , , , , , ,	(,,,
700-899 Production, Transmission and Distribution Expenses.						
1. Production Expenses						
a. manufactured gas production						
d. other gas supply expenses						
Operation						
800 Natural gas well head purchases.						
800.1 Natural gas well head purchases, intracompany transfers.						
801 Natural gas field line purchases.	13,643,305	12,678,362	13,744,039	15,422,093	16,863,511	8,251,118

802 Natural gas gasoline plant outlet purchases.							
803 Natural gas transmission line purchases.							
804 Natural gas city gate purchases.	243,476,981	295,674,576	253,809,428	258,779,635	229,465,545	340,902,007	
804.1 Liquefied natural gas purchases.							
805 Other gas purchases.							
805.1 Purchased gas cost adjustments.	(12,185,671)	15,160,198	(16,914,611)	(25,438,052)	14,087,970	(45,555,251)	
806 Exchange gas.							
807 Purchased gas expenses.						1,917,078	
808.1 Gas withdrawn from storage - Debt.	23,171,389	19,821,527	15,070,769	20,606,255	9,359,883	26,502,989	
808.2 Gas delivered to storage - Credit.	(7,296,582)	(18,093,918)	(9,783,155)	(14,075,155)	(6,633,111)	(39,292,535)	
809.1 Withdrawals of liquefied natural gas held for processing - Debt.							
809.2 Deliveries of natural gas for processing - Credit.							
810 Gas used for compressor station fuel - Credit. 811 Gas used for products extraction - Credit.							
812 Gas used for other utility operations - Credit.	(221,009)	(221,845)	(183,467)	(159,515)	(164,041)	(187,230)	
813 Other gas supply expenses.	(221,005)	(221,843)	(105,407)	(139,513)	(104,041)	(187,250)	
2. Natural Gas Storage, Terminaling and Processing Expenses							
a. underground storage expenses							
814 Operation supervision and engineering.							
815 Maps and records.							
816 Wells expenses.	312,486	286,568	294,860	493,903	550,320	719,074	
817 Lines expenses.							
818 Compressor station expenses.	52,084	81,899	90,747	164,195	147,932	225,849	
819 Compressor station fuel and power.							
820 Measuring and regulating station expenses.	1,808,684	1,948,927	2,285,568	2,520,156	2,702,325	3,198,624	
821 Purification expenses.	79,791	32,269	11,648	(284)	66,271	-	
822 Exploration and development.							
823 Gas losses.							
824 Other expenses.							
825 Storage well royalties.							
826 Rents. Maintenance							
830 Maintenance supervision and engineering.							
831 Maintenance of structures and improvements.							
832 Maintenance of reservoirs and wells.	152,055	284,043	201,913	213,083	222,992	148,151	
833 Maintenance of lines.	,				,	,	
834 Maintenance of compressor station equipment.	-	39,360	260,829	323,746	886,782	1,688,356	
835 Maintenance of measuring and regulating station equipment.							
836 Maintenance of purification equipment.							
837 Maintenance of other equipment.							
b. other storage expenses							
Operation							
840 Operation supervision and engineering.	103,873	71,508	74,095	76,156	37,006	4,132	
841 Operation labor and expenses.							
842 Rents.							
842.1 Fuel.							
842.2 Power. 842.3 Gas losses.							
Maintenance							
843.1 Maintenance supervision and engineering.							
843.2 Maintenance of structures and improvements.							
843.3 Maintenance of gas holders.							
843.4 Maintenance of purification equipment.							
843.5 Maintenance of liquefaction equipment.							
843.6 Maintenance of vaporizing equipment.							
843.7 Maintenance of compressor equipment.							
843.8 Maintenance of measuring and regulating equipment.							
843.9 Maintenance of other equipment.							
c. liquefied natural gas terminaling and processing expenses							
Operation	4 9 5 9 5	4 500 505	4 500 605		4 500 000		
844.1 Operation supervision and engineering.	1,263,504	1,539,525	1,589,697	1,652,104	1,586,606	1,512,661	
844.2 LNG processing terminal labor and expenses.							

844.3 Liquefaction processing labor and expenses.							
844.4 LNG transportation labor and expenses.							
844.5 Measuring and regulating labor and expenses.							
844.6 Compressor station labor and expenses.							
844.7 Communication system expenses.							
844.8 System control and load dispatching.							
845.1 Fuel.							
845.2 Power.							
845.3 Rents.							
845.4 Demurrage charges.		(	()	·	(*** ****)	(	
845.5 Wharfage receipts - credit.	-	(90,056)	(85,007)	(175,451)	(89,454)	(82,030)	
845.6 Processing liquefied or vaporized gas by others.							
846.1 Gas losses. 846.2 Other expenses.							
Maintenance							
847.1 Maintenance supervision and engineering. 847.2 Maintenance of structures and improvements.	1,009,378	771,788	983,047	1,033,744	1,047,771	1,138,301	
847.3 Maintenance of LNG processing terminal equipment.	1,009,578	//1,/00	565,047	1,055,744	1,047,771	1,130,301	
847.4 Maintenance of LNG processing terminal equipment.							
847.5 Maintenance of measuring and regulating equipment.							
847.6 Maintenance of compressor station equipment.							
847.7 Maintenance of communication equipment.							
847.8 Maintenance of other equipment.							
3. Transmission Expenses							
Operation							
850 Operation supervision and engineering.							
851 System control and load dispatching.							
852 Communication system expenses.							
853 Compressor station labor and expenses.							
854 Gas for compressor station fuel.							
855 Other fuel and power for compressor stations.							
856 Mains expenses.	1,593,436	1,422,310	1,516,707	1,989,004	1,998,006	2,378,826	
857 Measuring and regulating station expenses.							
858 Transmission and compression of gas by others.							
859 Other expenses.							
860 Rents. Maintenance							
861 Maintenance supervision and engineering.							
862 Maintenance of structures and improvements.							
863 Maintenance of mains.	8,838	324,822	170,115	166,207	14,071	10,377	
864 Maintenance of compressor station equipment.	-,				_ ,,=		
865 Maintenance of measuring and regulating station equipment.							
866 Maintenance of communication equipment.							
867 Maintenance of other equipment.							
870 Operation supervision and engineering.	2,202,514	2,606,304	2,861,336	2,847,189	2,655,708	2,687,997	
4. Distribution Expenses							
Operation							
871 Distribution load dispatching.							
872 Compressor station labor and expenses.							
873 Compressor station fuel and power (Major only).							
874 Mains and services expenses.	7,031,554	7,833,278	9,028,992	9,176,771	10,134,195	11,253,581	
875 Measuring and regulating station expenses - General.	(3,088)	50,561	(42,604)	(106,858)	(64,077)	256,117	
876 Measuring and regulating station expenses - Industrial.							
877 Measuring and regulating station expenses - City gate check stations.	575,316	553,865	488,036	609,033	626,216	630,239	
878 Meter and house regulator expenses.	5,083,679	5,382,954	5,425,942	5,665,100	6,099,669	6,473,276	
879 Customer installations expenses. 880 Other expenses.	5,921,555	6,399,826	7,556,905	7,498,710	8,289,751	8,946,189 1,330,591	
880 Other expenses. 881 Rents.	1,143,316 212,407	1,481,034 228,854	1,268,874 215,389	1,033,460 212,302	1,007,600 218,327	212,959	
Maintenance	212,407	220,004	213,389	212,302	210,327	212,959	
885 Maintenance supervision and engineering.	4,282,248	3,380,701	4,043,521	3,197,131	2,950,301	2,524,279	
886 Maintenance of structures and improvements.	.,202,240	3,333,701	.,	5,257,252	2,000,001	2,527,275	
887 Maintenance of mains.	2,814,316	2,702,659	2,862,835	2,561,718	2,990,042	3,041,588	
	,,	,,	,,	,	,	-,,	

889 Maintenance of messuring and regularing station equipment - General.         1,156,141         1,563,70         1,476,78         1,61,639         1,641,309           801 Maintenance of messuring and regularing station equipment - City gate check stations.         169,441         188,75         227,873         187,161         246,454         188,315           802 Maintenance of meters and house regulators.         222,3427         25,223,85         2,534,777         2,856,59         3,757,179         4,861,100           804 Maintenance of there suphoment.         21,364,57         26,87,763         35,511.3         35,74         4,261,100           804 Maintenance of there suphoment.         21,364,57         2,837,373         1,366,871         4,861,100           904 Maintenance of chere suphoment.         1,230,942         1,313,468         1,449,870         1,646,260         1,550,873         1,908,9733         1,908,9229           901 Supervision.         1,230,942         1,313,451         8,767,88         955,140         957,733         1,808,913         1,908,913         1,908,913         1,908,913         1,908,913         1,908,913         1,908,913         1,908,913         1,908,913         1,908,913         1,908,913         1,908,913         1,908,913         1,908,913         1,908,913         1,908,913         1,908,913	889 Maintenance of measuring and regulating station equipment - General.         1,15,141         1,56,370         1,470,09         1,61,09         1,66,38         1,84,137           890 Maintenance of measuring and regulating station equipment - City gite check stations.         1,25,347         2,22,477         2,22,477         2,22,477         2,26,459         3,77,517         4,36,107           892 Maintenance of meters and house regulators.         2,223,477         2,25,2477         2,25,2477         2,826,459         3,77,517         4,36,107           894 Maintenance of meters and house regulators.         2,23,971         6,83,15         3,113         3,74         4,40,007           894 Maintenance of meters and house regulators.         2,39,71         6,83,15         3,113         3,74         4,20,00           904 Supervision.         1,230,942         1,313,468         1,449,870         1,646,260         1,652,002         1,766,63           903 Supervision.         1,246,447         866,691         678,554         449,187         779,152         999,38           904 Minetranding expenses.         1,246,447         866,691         678,554         449,187         779,152         999,38           905 Minetenance contense streames.         1,246,447         866,691         678,554         4,401,187         729,52 <th>888 Maintenance of compressor station equipment.</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	888 Maintenance of compressor station equipment.							
880 Maintenance of measuring and regulating station equipment - bidy stations.       169,641       188,375       222,873       127,613       224,523       127,613       224,523       127,763       1,66,627       768,477         891 Maintenance of measuring and house regulations.       123,545       23,2371       68,315       35,113       35,744       42,004         893 Maintenance of there autipment.       123,645       23,971       68,315       35,113       35,744       42,004         900-949 Customer Accounts. Customer Science and Informational, Sales and General and Administrative Expenses.       5       5       1,66,620       1,56,637       1,66,620       1,56,637       1,090,229         901 Supervision.       123,0542       1,314,68       1,449,870       1,66,620       1,56,6012       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,021       1,666,027       1,666,021       1,666,021       1,666,027       1,666,021       1,666,027	880 Maintenance of messuing and regulating station equipment - lobig alli check stations.         165,641         188,375         222,873         187,161         397,381         687,373         136,662         758,361         672,373         136,662         768,473         486,427         768,473         375,159         4,432,19         222,873         663,315         627,753         13,662,77         768,474         42,00           893 Maintenance of mere requipment.         22,234,87         2,522,385         25,31,777         3,35,74         4,20.00           900-949 Customer Accounts, Customer Service and Informational, Sales and General and Administrative Expenses.         7         68,315         1,643,870         1,642,620         1,652,022         1,766,63           901 Supervision.         1,230,942         1,31,488         1,449,870         1,642,620         1,650,692         1,650,692         1,650,692         1,650,692         1,650,692         1,650,692         1,650,692         1,650,692         1,650,693         1,650,693         1,650,693         1,650,693         1,650,693         1,650,693         1,650,693         1,650,693         1,650,693         1,650,693         1,650,693         1,650,693         1,650,693         1,650,693         1,650,693         1,650,693         1,650,693         1,650,693         1,650,693         1,		1.156.141	1.563.970	1.470.629	1.610.369	1.669.148	1.841.350	
891 Multinitiance of measuring and regulating station equipment - City gate check stations.       129,421       139,75       22,73       137,161       224,544       133,315         892 Multinitiance of metries and house regulators.       22,23,427       25,229,85       253,477       2,86,49       37,753,79       4,461,100         894 Multinitiance of metries and house regulators.       22,34,27       2,522,985       253,477       2,86,49       37,747       4,861,100         894 Multinitiance of metries and house regulators.       2,33,97       68,315       35,113       37,74       4,861,100         804 Multinitiance of metries and house regulators.       2,30,942       1,313,468       1,449,870       1,646,264       1,650,276       1,020,209         901 Supervision.       1,230,942       1,313,468       1,449,870       1,646,276       955,140       967,673       1,020,209         903 Cultomer securits and collection expenses.       1,246,471       864,691       678,554       449,187       773,32       1,021,017       1,022,051       1,002,017       1,022,051       1,002,201       1,022,017       1,022,017       1,022,017       1,023,051       1,040,451       1,003,051       1,003,051       1,003,051       1,003,051       1,003,051       1,003,051       1,003,051       1,003,051       1,003,051	891 Multineance of measuring and regulating station equipment - City gate check stations.         1592,641         189,75         122,22,73         187,161         224,524         183,23           892 Multineance of metries and house regulators.         2223,427         252,2385         253,477         228,243         35,743         43,00           894 Multineance of other equipment.         21,345         23,971         68,315         35,113         35,744         42,00           894 Multineance of other equipment.         21,3454         23,971         68,315         35,113         35,744         42,00           901 Supervision.         1,230,942         1,313,66         1,449,870         1,646,260         1,652,022         1,666,650           902 Meter reacting expenses.         15331531         161,572,022         1,666,650         920 Meter reacting expenses.         1,246,447         864,691         678,554         449,187         779,152         999,18           905 Micalandeause sustemer accounts expenses.         1,246,447         864,691         678,554         449,187         779,152         999,18           905 Micalandeause sustemer accounts expenses.         1,246,447         864,691         678,554         449,187         779,152         999,18           905 Micalandeause sustemer accounts expenses.		1,100,111	1,505,570	1,170,025	2,020,000	1,000,110	2,012,000	
B82 Adminishance of services.         Total.         Total. <thtotal.< th="">         Total.         <thtotal.< td="" td<=""><td>B82 Maintenance of services.         Total         753.961         672.231         677.263         627.763         1.366.827         788.47           B83 Maintenance of inders raduations.         2.223.427         2.522.983         2.534.77         2.826.693         3.77.17         2.826.693         3.77.17         2.826.693         3.77.17         2.826.693         3.77.17         4.361.19           B93 Maintenance of inder acupament.         2.15.45         2.33.71         68.315         3.5.113         35,744         42.00           900-949 Customer Accounts Lycatome Service and Informational, Sales and General and Administrative Expenses.         5         5         5.50.882         1.466.260         1.652.002         1.766.63         1.990.990         90.04 Microalcenance and collection expenses.         1.53.99.519         15.157.912         16.074.368         15.50.882         1.460.6112         1.668.00           902 Meeter reading appenses.         1.236.647         86.61         676.554         409.187         79.162         99.18           904 Uncollection expenses.         1.246.647         8.66         1.673.731         1.027.301         1.033.551         6454.23           906 Informational and instructional advertising expenses.         1.980.93         1.713.865         3.912         4.464         756         77.70<td></td><td>s. 169.641</td><td>188.375</td><td>222.873</td><td>187.161</td><td>294.584</td><td>183.315</td><td></td></td></thtotal.<></thtotal.<>	B82 Maintenance of services.         Total         753.961         672.231         677.263         627.763         1.366.827         788.47           B83 Maintenance of inders raduations.         2.223.427         2.522.983         2.534.77         2.826.693         3.77.17         2.826.693         3.77.17         2.826.693         3.77.17         2.826.693         3.77.17         4.361.19           B93 Maintenance of inder acupament.         2.15.45         2.33.71         68.315         3.5.113         35,744         42.00           900-949 Customer Accounts Lycatome Service and Informational, Sales and General and Administrative Expenses.         5         5         5.50.882         1.466.260         1.652.002         1.766.63         1.990.990         90.04 Microalcenance and collection expenses.         1.53.99.519         15.157.912         16.074.368         15.50.882         1.460.6112         1.668.00           902 Meeter reading appenses.         1.236.647         86.61         676.554         409.187         79.162         99.18           904 Uncollection expenses.         1.246.647         8.66         1.673.731         1.027.301         1.033.551         6454.23           906 Informational and instructional advertising expenses.         1.980.93         1.713.865         3.912         4.464         756         77.70 <td></td> <td>s. 169.641</td> <td>188.375</td> <td>222.873</td> <td>187.161</td> <td>294.584</td> <td>183.315</td> <td></td>		s. 169.641	188.375	222.873	187.161	294.584	183.315	
803 Multinitiance of meters and house regulations.         2,23,427         2,23,427         2,223,427         2,223,457         3,275,179         4,361,100           900-494 Customer Accounts, Customer Service and Informational, Sales and General and Administrative Expenses.         5,113         3,574         40,000           900-494 Customer Accounts, Customer Service and Informational, Sales and General and Administrative Expenses.         5,513         3,574         40,000           901 Supervision.         1,230,442         1,313,468         1,449,870         1,646,260         1,550,022         1,676,360           903 Customer Accounts expenses.         1,313,468         1,449,870         1,646,260         1,550,673         1,090,229           903 Customer Accounts expenses.         1,246,447         864,691         678,554         449,187         779,162         999,180           905 Micellaneus sustomer accounts expenses.         1,246,447         864,691         678,554         449,187         779,162         999,180           905 Micellaneus sustomer accounts expenses.         1,246,447         1,845         3,912         4,464         255           909 Informational advertising expenses.         1,803,753         1,413,865         1,810,357         2,118,069         1,550,679         2,064,327           909 Informational advertising expenses.	B83 Maintenance of meters and house regulators.         2,223,427         2,223,427         2,223,477         2,426,459         3,775,179         4,461,19           B94 Maintenance of ther equipment.         2,525         2,3071         6,8315         35,113         35,744         420,00           B90 Association construction construction and informational, Sales and General and Administrative Expenses.         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5		,	,		,			
894 Multinance of other equipment.         21,545         23,971         68,315         35,113         35,744         42,004           900-946 Customer Accounts Expenses         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	894 Multinance of other equipment.         21,545         23,971         68,315         35,113         35,744         42,00           900-940 Customer Accounts Expenses         5         0         5         0         5         0         5         0         5         0         5         0         5         0         5         0         5         0         5         0         1,645,200         1,652,022         1,766,63         0         5         0         5         0         5         0         1,652,022         1,766,63         0         5         0         5         0         5         0         5         0         5         0         5         0         5         0         5         0         5         0         5         0         5         0         5         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0		,	,	,	,			
990-949 Customer Accounts Expenses         Vertice           Customer Accounts Expenses           002 Meter reading expenses.         1,230,942         1,313,468         1,440,870         1,646,260         1,646,260         1,646,260         1,646,260         1,646,260         1,646,260         1,646,260         1,646,260         1,646,260         1,646,260         1,646,260         1,646,260         1,646,260         1,646,260         1,646,260         1,646,260         1,646,260         1,646,260         1,646,260         1,646,260         1,646,260         1,646,260         2,646,432         2,646,432         2,646,432         1,646,430         1,626,509         2,646,432         1,646,430         1,646,430         1,637,431         1,022,951         6,060,612         2,060,527         1,060,613         2,060,527         1,060,613         1,022,99         1,060,613         1,060,613         1,060,613         1,060,613         1,060	909-49 Customer Accounts Coustomer Service and Informational, Sales and General and Administrative Expenses.           Coustomer Accounts Expenses           901 Supervision.         1,220,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942         1,240,942	5							
Operation         1220,942         1,131,468         1,449,870         1,462,20         1,552,022         1,786,873         1,080,223           901 Supervision.         13,334,519         16,157,912         16,074,368         155,5140         987,633         1,080,223           903 Customer records and collection expenses.         13,334,519         16,157,912         16,074,368         155,508,82         14,406,810         989,180           904 Uncollectible accounts and constance accounts expenses.         2         864,912         1,650,732         14,406,4112         1,869,011           907 Supervision.         2,347         1,886         3,912         4,464         256         999,100           900 Informational and instructional advertising expenses.         128,809         467,102         1,251,734         1,027,301         1,033,351         649,421           900 Informational and instructional advertising expenses.         180,741         173,063         163,343         193,529         182,609         149,877           910 Demonstraling and selling expenses.         2,888,558         3,485,124         1,653,255         1,886,105         1,779,297         1,579,88           912 Demonstraling and selling expenses.         2,888,558         3,485,124         1,653,255         1,886,105         1,779,297	Operation         Unit		ral and Administrative Ex	penses.	,	,	,	,	
901 Supervision.         1230,942         1.313,468         1.449,870         1.662,620         1.768,637           902 Meter reading expenses.         75,7923         832,2115         876,768         955,140         997,633         1.000           904 Uncollectible accounts.         12,346,447         884,691         678,554         449,187         779,162         999,100           905 Miscellaneous customer accounts expenses.         5         5         5         449,187         779,162         999,100           905 Miscellaneous customer accounts expenses.         5         5,868         3,512         4,464         256         649,421           906 Customer assistance expenses.         2,847         1,866         3,812         4,464         256         649,421           909 Informational ant Instructional expenses.         1,595,193         1,743,866         1,810,377         2,118,069         1,650,679         2,064,217           901 Informational ant Instructional expenses.         1,907,103         163,343         193,259         1,808,050         1,779,97         1,629,876           910 Miscellaneous customer service and informational expenses.         1,908,053         3,485,124         1,653,255         1,886,105         1,779,977         1,679,785           911 Supervision.	9011230,9421,313,4681,449,8701,446,2001,562,0221,768,63902Meter reading expenses.757,932832,116876,768955,140987,653146,06,11216,669,09904Uncollectible accounts.12,46,44716,617,91216,074,36815,508,85214,606,11216,669,09905Micelleneous customer accounts expenses.779,162997,182997,182997,182997,182997,182997,182997,182997,182997,182997,182997,182997,182997,182997,182997,182997,182997,182997,182997,182997,182997,182997,182997,182997,182997,182997,182997,182997,192,1921,637,431,023,951649,42299010,023,9511,023,951649,4239901,003,9511,023,9511,023,951649,4239901,930,5541,120,3931,493,851,953,4331,932,9521,056,6792,064,329901,930,5541,930,5371,158,1931,653,4331,953,9531,563,4551,986,1051,779,2971,979,787,770912916916,9521,958,1051,779,2971,579,783,934,9653,249,5283,749,4077,262,489141,656,2731,279,2783,934,9653,249,5283,5749,4073,930,4652,248,489141,932,5551,285,5554,464,5939,464,5939,464,5939,464,5939,464,5939,464,5939,464,5939,464,5939,464,5939,479,	5. Customer Accounts Expenses							
902 Meter reading expenses.         757.932         832.116         676.768         955.140         997.633         1.090.229           903 Customer records and collection expenses.         15.333.933         16,157.912         16,074,368         15,508,882         14,606,112         16,869,091           904 Uncollectible accounts.         sexteenal Informational Expenses.         779,162         1998           005 Miscellaneous customer accounts expenses.         2.447         1.866         3.912         4.464         256           0907 Supervision.         2.347         1.866         3.912         4.464         256           908 Customer assistance expenses.         288,080         467,102         1.251,734         1.002,301         1,023,951         649,421           909 Informational and instructional advertising expenses.         180,411         179,063         183,133         139,252         182,059         183,143         193,52,29         182,069         148,657           7 Sales Expenses         288,053         143,410         9,375         11,581         98,705         77,703         1912           912 Demonstrating and selling expenses.         2.888,558         3,485,124         16,356         1,886,107         267,476         262,480           914 Meretising expenses.	902 Addiministrative and generals         77,932         832,116         876,763         955,140         947,633         1,009,220           903 Customer reards and collection expenses.         15,319,519         16,157,912         16,074,368         145,008,821         14,666,112         16,689,00           904 Uncollectible accounts.         15,246,447         864,691         678,554         449,137         779,162         999,18           905 Submodilaneous customer accounts expenses.         2         847,002         1,246,447         864,691         678,554         449,137         779,162         999,18           907 Supervision.         2,347         1,886         3,912         4,464         256           909 Informational and networksing expenses.         1595,193         1,743,866         1,810,357         2,118,069         149,657         2,064,32           909 Informational and networksing expenses.         180,741         179,063         163,343         193,529         1182,609         149,857           911 Supervision.         131,652         143,410         9,375         11,581         98,705         7,770           912 Advertising expenses.         2,886,558         3,485,124         1,653,256         1,886,105         1,779,297         1,679,78           914	Operation							
903 Customer records and collection expenses.         15,319,519         16,17,912         16,074,368         15,508,82         14,606,112         16,689,091           904 Uncollectible accounts.         1,246,477         864,691         678,554         49,187         779,162         999,180           905 Miscellaneous customer accounts expenses.         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         7         7         5         5         5         7         7         5         5         5         7         7         3         5         7         7	903 Customer records and collection expenses.         15,319,519         16,157,912         16,074,363         15,508,382         14,606,112         16,689,09           904 Uncollectible accounts expenses.         1,246,447         864,691         678,554         449,137         779,162         999,18           905 Miscellaneous customer accounts expenses.         2         773,162         999,18           907 Supervision.         2,347         1,886         3,912         4,644         256           908 Customer assistance expenses.         1,595,193         1,743,866         1,810,357         2,18,069         1,650,679         2,064,32           909 Informational instructional advertising expenses.         1,595,193         1,743,866         1,810,357         2,118,069         1,650,679         2,064,32           901 Informational instructional advertising expenses.         1,31,652         143,410         9,375         11,581         98,705         71,70           911 Supervision.         131,652         143,410         9,375         11,581         98,705         77,70           913 Advertising expenses.         2,885,58         3,485,124         1,653,256         1,886,105         1,779,797         1,679,78           913 Expervision.         131,652         143,410         9,375	901 Supervision.	1,230,942	1,313,468	1,449,870	1,646,260	1,652,022	1,768,637	
904 Uncollectible accounts.         1,246,447         864,691         678,554         449,187         779,162         999,180           905 Miscellaneous customer accounts expenses.         C         Customer Service and Informational Expenses         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V	904 Uncollectible accounts.         1,246,447         864,691         678,554         449,187         779,162         999,18           905 Miscellaneous customer accounts expenses.         5         Customer Service and Informational Expenses         5         5         5         5         Customer Service and Informational Expenses         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5	902 Meter reading expenses.	757,932	832,116	876,768	955,140	987,633	1,090,229	
905 Miscellaneous customer accounts expenses.       2,347       1,886       3,912       4,464       25         907 Supervision.       2,347       1,886       3,912       4,464       25         907 Supervision.       28,080       467,102       1,251,734       1,023,901       1,023,901       649,421         908 Informational and instructional advertising expenses.       1,595,193       1,743,866       1,810,357       2,118,069       1,650,679       2,064,327         910 Miscellaneous customer service and informational expenses.       180,741       179,063       163,343       193,529       182,609       149,857         7. Sales Expenses       7,703       917 Supervision.       9,375       11,518       98,705       77,703         912 Demonstrating and selling expenses.       2,888,558       3,485,124       1,653,256       1,886,105       1,779,297       1,679,785         913 Lipervision.       339,822       401,650       443,839       295,487       267,476       262,480         914 [Reserved]       194       194,640,408       119,440,408       119,440,408       119,440,408       119,440,408       119,440,408       119,440,408       119,440,408       119,440,408       119,440,408       119,440,408       119,441,408,419,440,404,408       119,440,408 <td>905 Miscellaneous customer accounts expenses.       6. Customer Service and Informational Expenses         907 Supervision.       2,347       1,886       3,912       4,464       256         907 Supervision.       2,347       1,886       3,912       4,464       256         908 Customer assistance expenses.       1,595,193       1,743,866       1,810,357       2,113,669       1,650,679       2,064,32         909 Informational and instructional advertising expenses.       1,80,741       179,063       163,343       193,529       182,609       149,852         910 Miscellaneous customer service and informational expenses.       180,741       179,063       163,343       193,529       182,609       149,852         911 Supervision.       131,652       143,410       9,375       11,581       98,705       77,70         912 Demonstrating and selling expenses.       2,888,558       3,485,124       1,653,256       1,886,105       1,779,297       1,679,78         914 [Reserved]       916       134,065       443,839       295,467       267,476       262,48         920 Administrative and General Expenses       71,931,470       19,806,564       20,819,120       17,312,435       17,205,859       18,469,559       18,469,559       12,421,74,15       920,24,701       1,3</td> <td>903 Customer records and collection expenses.</td> <td>15,319,519</td> <td>16,157,912</td> <td>16,074,368</td> <td>15,508,882</td> <td>14,606,112</td> <td>16,869,091</td> <td></td>	905 Miscellaneous customer accounts expenses.       6. Customer Service and Informational Expenses         907 Supervision.       2,347       1,886       3,912       4,464       256         907 Supervision.       2,347       1,886       3,912       4,464       256         908 Customer assistance expenses.       1,595,193       1,743,866       1,810,357       2,113,669       1,650,679       2,064,32         909 Informational and instructional advertising expenses.       1,80,741       179,063       163,343       193,529       182,609       149,852         910 Miscellaneous customer service and informational expenses.       180,741       179,063       163,343       193,529       182,609       149,852         911 Supervision.       131,652       143,410       9,375       11,581       98,705       77,70         912 Demonstrating and selling expenses.       2,888,558       3,485,124       1,653,256       1,886,105       1,779,297       1,679,78         914 [Reserved]       916       134,065       443,839       295,467       267,476       262,48         920 Administrative and General Expenses       71,931,470       19,806,564       20,819,120       17,312,435       17,205,859       18,469,559       18,469,559       12,421,74,15       920,24,701       1,3	903 Customer records and collection expenses.	15,319,519	16,157,912	16,074,368	15,508,882	14,606,112	16,869,091	
Operation           Operation           Operation           907 Supervision.         2,347         1,886         3,912         4,464         256           908 Customer assistance expenses.         28,080         467,102         1,251,734         1,027,301         1,023,951         649,421           909 Informational and instructional advertising expenses.         180,741         179,063         163,343         193,529         182,609         149,867           910 Miscellaneous customer service and informational expenses.         180,741         179,063         163,343         193,529         182,609         149,867           9112 Demonstrating and selling expenses.         339,822         401,650         443,839         295,487         267,476         262,480           913 Advertising expenses.         359,822         401,650         443,839         295,487         267,476         262,480           914 [Reserved]         313,652         1,488,105         1,488,105         1,581,193         3,930,465           913 [Reserved]         201 Administrative and General Expenses.         24,627,399         27,835,981         28,559,464         32,969,528         35,749,407         39,30,465            17,931,470	9. Customer Service and Informational Expenses           Operation           907 Supervision.         2,47         1,886         3,912         4,464         256           908 Customer assistance expenses.         28,8080         467,102         1,251,734         1,027,301         1,235,951         649,42           909 Informational and instructional advertising expenses.         180,741         179,063         163,343         193,529         182,609         149,85           7. Sates Expenses         7.         185,519         1,43,410         9,375         11,581         9,607         7,770           912 Demonstrating and selling expenses.         2,888,558         3,485,124         1,653,256         1,886,105         1,779,297         1,579,749           913 Advertising expenses.         359,822         401,650         443,839         255,487         267,476         262,488           914 [Reserverd]         1916         4453,839         255,487         267,476         263,485           920 Administrative and General Expenses         17,931,470         18,884,644         21,490,409         116,490,409         116,490,409         116,490,409         116,490,409         116,490,409         116,490,409         116,490,409         12,480,407         14,490,49	904 Uncollectible accounts.	1,246,447	864,691	678,554	449,187	779,162	999,180	
Operation907 Supervision.2,3471,8863,9124,46425908 Customer assistance expenses.288,080467,1021,251,7341,027,3011,023,951649,421909 Informational and instructional advertising expenses.1,595,1931,743,8661,810,3572,118,0691,560,6792,064,327910 Miscellaneous customer service and informational expenses.180,741179,063163,343193,29182,609149,857912 Demonstrating and selling expenses.2,888,5583,485,1241.653,2561,886,1051,779,2971,679,785913 Advertising expenses.2,888,5583,485,1241.653,2561,886,1051,779,2971,679,785913 Advertising expenses.2,888,5583,485,1241.653,2561,886,1051,779,2971,679,785914 Reserved]916 Riscellaneous sales expenses.24,627,39927,835,98128,595,46432,969,52835,749,40739,390,465920 Administrative and General Expenses17,91,470(18,441,462)(14,044,008)(12,619,015)(13,365,712)(13,714,150)922 Administrative expenses transferred - Credit.(17,463,672)(18,441,462)11,044,008)(10,619,015)(13,657,12)(13,714,150)923 Outside services employed.8,152,58210,066,92810,044,008)34,073,22410,874,07514,700,618924 Property insurace.929,324,78030,314,90634,073,32268,707,52650,218,55847,896,743924 Employee pensions and benefits.29,32	Operation907 Supervision.2,3471,8863,9124,464256908 Customer assistance expenses.288,080467,1021,21,1741,027,9011,023,951649,42909 Informational and instructional advertising expenses.1,595,1931,743,8661,810,3372,118,0691,560,6792,064,32910 Miscellaneous customer service and informational expenses.1,595,1931,743,8661,810,3372,118,0691,82,609149,85917 Supervision.911 Supervision.131,652143,4109,37511,58198,7057,770912 Demonstrating and selling expenses.2,888,5583,485,1241,653,2561,886,1051,779,2971,679,78913 Advertising expenses.2,888,5583,465,1241,653,2561,886,1051,779,2971,679,78914 Reserved]915 Reserved]916 Reserved]916 Reserved]256,487267,476262,480916 Miscellaneous sales expenses.17,91,47019,806,54422,969,52835,749,40739,390,46920 Administrative and General Expenses17,91,47019,806,54420,819,12017,312,34517,205,859143,4007921 Office supplies and expenses.13,057,1263,057,1263,058,1263,066,1223,238,8273,579,40739,380,46921 Office semplies entraffered - Credit.(17,463,677)(18,841,642)(19,404,008)(19,619,015)(21,365,227)(22,174,15922 Administrative expenses transfered - Credit.3,057,1263,051,1263,033,452<	905 Miscellaneous customer accounts expenses.							
907 Supervision.       2,347       1,886       3,912       4,464       256         908 Customer assistance expenses.       288,080       467,102       1,21,7,37       1,027,301       1,023,951       649,421         909 Informational and instructional advertising expenses.       180,741       179,063       163,343       193,529       182,609       149,857         7. Sales Expense       7. Sales Expenses       7. Sales Expenses       7. 7,703       1,552,556       1,85,105       1,77,297       1,679,785       1,770,703       1,679,785       1,770,703       1,679,785       1,770,703       1,679,785       1,679,785       1,680,564       1,286,952,87       1,286,952,87       1,267,476       262,480       1,679,785       1,679,785       1,679,785       1,679,785       1,679,785       1,679,785       1,679,785       1,679,785       1,679,785       1,679,785       1,679,785       1,679,785       1,679,785       1,679,785       1,679,785       1,679,785       1,679,785       1,679,785       1,679,785       1,680,443,839       285,487       2,595,487       2,62,480       1,680,444       1,680,443,839       1,650,443,839       2,859,8464       3,2969,528       3,5,749,407       3,930,465       1,640,450,219       1,640,450,219       1,640,450,219       1,640,450,219       1,640,450,219 <td>907 Supervision.2,3471,8863,9124,464256908 Customer assistance expenses.288,080467,1021,251,7341,023,951649,42909 Informational and instructional advettising expenses.1,595,1931,743,661,810,3572,118,0691,650,259910 Miscellaneous customer service and informational expenses.180,741179,063163,343193,529182,609149,85<b>7. Sales Expenses7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.</b><!--</td--><td>6. Customer Service and Informational Expenses</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	907 Supervision.2,3471,8863,9124,464256908 Customer assistance expenses.288,080467,1021,251,7341,023,951649,42909 Informational and instructional advettising expenses.1,595,1931,743,661,810,3572,118,0691,650,259910 Miscellaneous customer service and informational expenses.180,741179,063163,343193,529182,609149,85 <b>7. Sales Expenses7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.</b> </td <td>6. Customer Service and Informational Expenses</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	6. Customer Service and Informational Expenses							
908 Customer assistance expenses.288,080467,1021,251,7341,027,3011,023,951649,421909 Informational and instructional advertising expenses.1,595,1931,743,8661,810,3572,118,0691,650,6792,064,3277. Sales Expenses180,741179,063163,343193,529182,609149,857911 Supervision.131,652143,4109,37511,58198,70577,703912 Demonstrating and selling expenses.2,888,5583,485,1241,653,2561,886,1051,779,2971,679,785913 Advertising expenses.2,888,5583,485,1241,653,2561,886,1051,779,2971,679,785914 Reserved]316,62443,839295,487267,476262,480915 Reserved]316,82401,650443,839295,487267,476262,480920 Administrative and General Expenses17,91,47019,806,56420,819,12017,312,34517,205,85918,469,598922 Administrative and general salaries.24,627,39927,835,98128,595,46432,969,52835,749,40739,390,465922 Administrative and general salaries.24,627,39927,855,98128,595,46420,819,12017,312,34517,205,85918,469,598922 Administrative and general salaries.24,627,39927,855,98128,595,46420,819,12017,312,34511,205,85918,469,598922 Administrative and general salaries.24,627,39927,855,98128,595,46420,819,12017,312,34511,205,859 <td< td=""><td>908 Customer assistance expenses.         288,080         467,102         1,25,734         1,027,301         1,023,951         664,02           909 Informational and instructional advertising expenses.         180,741         179,063         1,810,357         2,118,069         1,650,679         2,064,32           910 Miscellaneous customer service and informational expenses.         180,741         179,063         163,343         193,529         182,609         1,49,85           Operation           911 Supervision.         131,652         143,410         9,375         11,581         98,705         7,770           912 Advertising expenses.         359,822         401,650         2,884,518         3,485,124         1,653,256         1,886,105         1,779,297         1,679,78           913 Advertising expenses.         359,822         401,650         43,839         255,487         267,476         252,483           914 [Reserved]         194,684,684         34,899         27,835,981         28,959,546         32,969,528         35,749,407         39,390,465         32,969,528         35,749,407         39,390,465         32,969,528         35,749,407         39,390,465         32,969,528         35,749,407         39,390,465         32,969,528         32,749,507         34,007,51</td><td>Operation</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	908 Customer assistance expenses.         288,080         467,102         1,25,734         1,027,301         1,023,951         664,02           909 Informational and instructional advertising expenses.         180,741         179,063         1,810,357         2,118,069         1,650,679         2,064,32           910 Miscellaneous customer service and informational expenses.         180,741         179,063         163,343         193,529         182,609         1,49,85           Operation           911 Supervision.         131,652         143,410         9,375         11,581         98,705         7,770           912 Advertising expenses.         359,822         401,650         2,884,518         3,485,124         1,653,256         1,886,105         1,779,297         1,679,78           913 Advertising expenses.         359,822         401,650         43,839         255,487         267,476         252,483           914 [Reserved]         194,684,684         34,899         27,835,981         28,959,546         32,969,528         35,749,407         39,390,465         32,969,528         35,749,407         39,390,465         32,969,528         35,749,407         39,390,465         32,969,528         35,749,407         39,390,465         32,969,528         32,749,507         34,007,51	Operation							
909 Informational and instructional advertising expenses.       1,595,193       1,743,866       1,810,357       2,118,069       1,650,679       2,064,327         910 Miscellaneous customer service and informational expenses.       180,741       179,063       163,343       193,529       182,609       149,857         911 Supervision.       113 Supervision.       9,375       11,581       98,705       77,70,785         913 Advertising expenses.       2,888,558       3,485,124       1,653,256       1,886,105       1,779,797       1,679,785         913 Advertising expenses.       359,822       401,650       443,839       295,487       267,476       262,480         914 [Reserved]       115 [Reserved]       115 [Reserved]       19,806,564       20,819,120       177,17,31,345       179,296       39,390,665         920 Administrative and General Expenses       24,627,399       27,835,981       28,595,464       32,969,528       35,79,40,75       14,00,618       19,206,559       19,806,561       32,396,528       32,969,528       35,79,40,75       14,00,618       19,206,512       32,969,528       32,969,528       35,79,40,75       14,00,618       14,206,188       19,206,512       32,969,528       35,79,40,75       14,00,618       14,206,188       12,329,827       1,018,416,421       10,940,40,	909 Informational and instructional advertising expenses.1,595,1931,743,8661,810,3572,118,0691,650,6792,064,32910 Miscellaneous customer service and informational expenses.180,741179,063163,343193,529182,609183,857 Operation311,652143,4109,37511,58198,70577,70911 Supervision.131,652143,4109,3751,886,1051,779,2971,679,78913 Advertising expenses.2,888,5583,485,1241,653,2561,886,1051,779,2971,679,78914 [Reserved]359,822401,650443,839295,487267,476262,48915 [Reserved]3165,829,55432,969,52835,749,40739,30,44916 Miscellaneous sales expenses.8.7,791,47019,806,56420,819,12017,312,34517,205,859920 Administrative and General Expenses7,931,47019,806,56420,819,12017,312,34517,205,85918,469,59922 Administrative expenses transferred - Credit.(17,463,672)(18,841,642)(19,404,008)(19,619,015)(21,365,227)(23,174,15923 Outside services employed.3,057,1263,057,1263,057,1263,057,1263,066,123,239,8273,579,2754,002,32925 Finjites and damages.29,324,78030,314,90634,073,32268,707,52650,218,5584,789,674926 Employee pensions and benefits.29,324,78030,314,90634,073,32268,707,52650,218,5584,789,674 <td< td=""><td>907 Supervision.</td><td>2,347</td><td>1,886</td><td>3,912</td><td>4,464</td><td>256</td><td></td><td></td></td<>	907 Supervision.	2,347	1,886	3,912	4,464	256		
910 Miscellaneous customer service and informational expenses.       180,741       179,063       163,343       193,529       182,609       149,857         7. Sales Expenses       Operation       131,652       143,410       9,375       11,581       98,705       77,703         912 Demonstrating and selling expenses.       2,888,558       3,485,124       1,653,256       1,886,105       1,779,297       1,679,785         913 Advertating expenses.       359,822       401,650       443,839       295,487       267,476       262,480         914 [Reserved]       915 [Reserved]       915 [Miscellaneous sales expenses.       24,627,399       27,835,981       28,595,464       32,969,528       35,749,407       39,390,465         920 Administrative and General Expenses       24,627,399       27,835,981       28,595,464       32,969,528       35,749,407       39,390,465         921 Office supplies and expenses.       17,931,470       19,806,554       20,819,120       17,312,345       17,205,859       18,469,598         922 Administrative expenses transfered - Credit.       (17,463,672)       (18,841,642)       (19,404,008)       (19,619,015)       (12,134,52,227)       (23,174,06,018         924 Property insurance.       3,057,126       3,195,612       3,066,612       3,239,827       3,579,275	910 Miscellaneous customer service and informational expenses.       180,741       179,063       163,343       193,529       182,699       149,85         Operation         911 Supervision.       131,652       143,410       9,375       11,581       98,705       77,70         912 Demonstrating and selling expenses.       2,888,558       3,485,124       1,653,256       1,886,105       1,779,297       1,679,78         914 [Reserved]       915 [Reserved]       254,87       267,476       262,486         916 Miscellaneous sales expenses.       359,822       401,650       443,839       295,487       267,476       262,486         916 Miscellaneous sales expenses.       359,822       401,650       443,839       295,95,464       32,969,528       35,749,407       39,30,465         920 Administrative and general salaries.       24,627,399       27,835,981       28,595,464       32,969,528       35,749,407       39,30,465         921 Office supplies and expenses.       17,931,470       19,806,564       20,819,120       17,313,445       17,205,859       18,469,59         923 Outside services employed.       8,152,582       10,066,228       12,044,008)       (19,619,015)       (21,374,056         924 Property insurance.       3,057,126       3,195,612 </td <td>908 Customer assistance expenses.</td> <td>,</td> <td>,</td> <td>, ,</td> <td>1,027,301</td> <td></td> <td></td> <td></td>	908 Customer assistance expenses.	,	,	, ,	1,027,301			
7. Sales Expenses         Operation         911 Supervision.       131,652       143,410       9,375       11,581       98,705       77,703         912 Demonstrating and selling expenses.       2,888,558       3,485,124       1,653,256       1,886,105       1,779,297       1,679,785         913 Advertising expenses.       359,822       401,650       443,839       295,487       267,476       262,480         914 [Reserved]	7. Sales Expenses           Operation           911 Supervision,         131,652         143,410         9,375         11,581         98,705         77,70           912 Demonstrating and selling expenses.         2,888,558         3,485,124         1,653,256         1,886,105         1,779,297         1,679,78           913 Advertising expenses.         359,822         401,650         443,839         295,487         267,476         262,48           914 [Reserved]         915 [Reserved]         916         443,839         295,487         267,476         262,48           914 [Reserved]         915 [Reserved]         916         816         267,476         262,48           916 Miscellaneous sales expenses.         6         77,701,497         267,476         262,48           914 [Reserved]         915 [Reserved]         916         817,391,470         1,980,564         32,969,528         35,749,407         39,390,46           920 Administrative expenses transfered - Credit.         (17,463,672)         (18,841,642)         (19,404,008)         (19,191,015)         (12,365,227)         (12,314,51           923 Outside services employed.         8,152,582         10,066,928         12,034,227         11,089,482         10,874,075         14,700,61	909 Informational and instructional advertising expenses.	1,595,193	1,743,866	1,810,357	2,118,069	1,650,679	2,064,327	
Operation           911 Supervision.         131,652         143,410         9,375         11,581         98,705         17,703           912 Demonstrating and selling expenses.         2,888,558         3,485,124         1,653,256         1,886,105         1,779,297         1,679,785           913 Advertising expenses.         339,822         401,550         443,839         295,487         267,476         262,480           914 [Reserved]	Operation           911 Supervision.         131,652         143,410         9,375         11,581         98,705         77,70           912 Demonstrating and selling expenses.         2,888,558         3,485,124         1,653,256         1,886,015         1,779,297         1,679,78           913 Advertising expenses.         359,822         401,650         43,839         295,487         267,476         262,48           914 [Reserved]	910 Miscellaneous customer service and informational expenses.	180,741	179,063	163,343	193,529	182,609	149,857	
911 Supervision.       131,652       143,410       9,375       11,581       98,005       77,703         912 Demonstrating and selling expenses.       2,888,558       3,485,124       1,653,256       1,886,105       1,779,297       1,679,785         914 [Reserved]       359,822       401,650       443,839       295,487       267,476       262,480         915 [Reserved]       316 Miscellaneous sales expenses.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.       5.	911 Supervision.       131,652       143,410       9,375       11,581       98,705       77,70         912 Demonstrating and selling expenses.       2,888,558       3,485,124       1,653,256       1,886,105       1,779,297       1,679,78         913 Advertising expenses.       359,822       401,650       443,839       295,487       267,476       262,489         914 [Reserved]       915 [Reserved]       916       8.4dministrative and General Expenses       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5 <td>7. Sales Expenses</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	7. Sales Expenses							
912 Demonstrating and selling expenses.       2,888,558       3,485,124       1,653,256       1,886,105       1,779,297       1,679,785         913 Advertising expenses.       359,822       401,650       443,839       295,487       267,476       262,480         914 [Reserved]       1915 [Reserved]       1916 Miscellaneous sales expenses.       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5 </td <td>912 Demonstrating and selling expenses.       2,888,558       3,485,124       1,653,256       1,886,105       1,779,297       1,679,78         913 Advertising expenses.       359,822       401,650       443,839       295,487       267,476       262,486         914 [Reserved]       915 [Reserved]       916       5.437       267,476       262,486         916 Miscellaneous sales expenses.       8.441,839       295,487       267,476       262,486         920 Administrative and General Expenses       7.931,470       19,806,564       32,969,528       35,749,407       39,390,466         921 Office supplies and expenses.       17,931,470       19,806,564       20,819,120       17,312,345       17,205,859       18,469,59         922 Administrative expenses transferred - Credit.       (17,463,672)       (18,841,642)       (19,404,008)       (19,161,015)       (21,365,227)       (23,174,15         923 Outside services employed.       3,057,126       3,195,612       3,29,827       3,579,775       4,002,32         925 Injuries and damages.       369,181       409,798       333,852       216,918       319,343       126,71         926 Employee pensions and benefits.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,74</td> <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	912 Demonstrating and selling expenses.       2,888,558       3,485,124       1,653,256       1,886,105       1,779,297       1,679,78         913 Advertising expenses.       359,822       401,650       443,839       295,487       267,476       262,486         914 [Reserved]       915 [Reserved]       916       5.437       267,476       262,486         916 Miscellaneous sales expenses.       8.441,839       295,487       267,476       262,486         920 Administrative and General Expenses       7.931,470       19,806,564       32,969,528       35,749,407       39,390,466         921 Office supplies and expenses.       17,931,470       19,806,564       20,819,120       17,312,345       17,205,859       18,469,59         922 Administrative expenses transferred - Credit.       (17,463,672)       (18,841,642)       (19,404,008)       (19,161,015)       (21,365,227)       (23,174,15         923 Outside services employed.       3,057,126       3,195,612       3,29,827       3,579,775       4,002,32         925 Injuries and damages.       369,181       409,798       333,852       216,918       319,343       126,71         926 Employee pensions and benefits.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,74	•							
913 Advertising expenses.       359,822       401,650       443,839       295,487       267,476       262,480         914 [Reserved]       915 [Reserved]       916 Miscellaneous sales expenses.       267,476       262,480         8. Administrative and General Expenses       9295,487       267,476       262,480         920 Administrative and General Expenses       267,476       262,480         920 Administrative and general salaries.       24,627,399       27,835,981       28,595,464       32,969,528       35,749,407       39,390,465         921 Office supplies and expenses.       17,931,470       19,806,564       20,819,120       17,312,345       17,205,859       18,469,598         922 Administrative expenses transferred - Credit.       (17,463,672)       (18,841,642)       (19,404,008)       (19,619,015)       (21,365,227)       (23,174,150)         923 Outside services employed.       8,152,582       10,066,928       12,034,227       11,089,842       10,874,075       14,700,618         924 Property insurance.       3,057,126       3,057,126       3,066,612       3,239,827       3,579,753       4,002,327         926 Employee pensions and benefits.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,743         927 Franchise requi	913 Advertising expenses.       359,822       401,650       443,839       295,487       267,476       262,48         914 [Reserved]       915 [Reserved]       916 Miscellaneous sales expenses.       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5	911 Supervision.	,	143,410		11,581			
914 [Reserved]         915 [Reserved]         916 Miscellaneous sales expenses.         8. Administrative and General Expenses         Operation         920 Administrative and general salaries.       24,627,399       27,835,981       28,595,464       32,969,528       35,749,407       39,390,465         921 Office supplies and expenses.       17,931,470       19,806,564       20,819,120       17,312,345       17,205,859       18,469,598         922 Administrative expenses transferred - Credit.       (17,463,672)       (18,841,642)       (19,404,008)       (19,619,015)       (21,365,227)       (23,174,150)         923 Outside services employed.       8,152,582       10,066,928       12,034,227       11,089,842       10,974,075       14,700,618         924 Property insurance.       3,057,126       3,195,612       3,066,612       3,239,827       3,579,275       4,002,327         925 Injuries and damages.       369,181       409,798       333,852       216,918       319,343       126,712         926 Employee pensions and benefits.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,743         927 Franchise requirements.       928 Regulatory commission expenses.       929       929,324,780       30,314,906       34,073,	914 [Reserved]         915 [Reserved]         916 Miscellaneous sales expenses.         8. Administrative and General Expenses         Operation         920 Administrative and general salaries.         921 Office supplies and expenses.         922 Administrative expenses transferred - Credit.         923 Administrative expenses transferred - Credit.         924 Administrative expenses transferred - Credit.         925 Administrative expenses transferred - Credit.         926 Administrative expenses transferred - Credit.         927 Administrative expenses transferred - Credit.         928 Administrative expenses transferred - Credit.         929 Dutiside services employed.         924 Property insurance.         925 Injuries and damages.         926 Employee pensions and benefits.         927 Stranchise requirements.         928 Regulatory commission expenses.         929 Duplicate charges - Credit.         930.1 General advertising expenses.         931 Rents.         931 Rents.         931 Rents.								
915 [Reserved]         916 Miscellaneous sales expenses.         8. Administrative and General Expenses         Operation         920 Administrative expenses transferred - Credit.       24,627,399       27,835,981       28,595,464       32,969,528       35,749,407       39,390,465         921 Office supplies and expenses.       17,931,470       19,806,564       20,819,120       17,312,345       17,205,859       18,469,598         922 Administrative expenses transferred - Credit.       (17,463,672)       (18,841,642)       (19,404,008)       (19,619,015)       (21,365,227)       (23,174,150)         923 Outside services employed.       8,152,582       10,066,928       12,034,227       11,089,842       10,874,075       14,700,618         924 Property insurance.       30,57,126       3,195,612       3,066,612       3,239,817       3,579,275       4,002,327         925 Injuries and damages.       369,181       409,798       333,852       216,918       319,343       126,712         926 Employee pensions and benefits.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,743         927 Franchise requirements.       928 Regulatory commission expenses.       928       928 Regulatory commission expenses.       929,924,780       30,314,906	915 [Reserved]         916 Miscellaneous sales expenses.         8. Administrative and General Expenses         920 Administrative and general salaries.       24,627,399       27,835,981       28,595,464       32,969,528       35,749,407       39,390,466         921 Office supplies and expenses.       17,931,470       19,806,564       20,819,120       17,312,345       17,205,859       18,469,592         922 Administrative expenses transferred - Credit.       (17,463,672)       (18,841,642)       (19,040,008)       (19,619,015)       (21,365,227)       (23,174,15)         923 Administrative expenses transferred - Credit.       (17,463,672)       (18,841,642)       (19,040,008)       (19,619,015)       (21,365,227)       (23,174,15)         923 Outide services employed.       8,152,582       10,006,928       12,034,227       11,089,842       10,874,075       14,700,61         924 Property insurance.       3,057,126       3,195,612       3,066,612       3,239,827       3,579,275       4,002,32         925 Injuries and damages.       369,181       409,798       333,852       216,918       319,343       126,71         926 Employee pensions and benefits.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,74         927 Franchise require	÷ .	359,822	401,650	443,839	295,487	267,476	262,480	
916 Miscellaneous sales expenses.         8. Administrative and General Expenses         0202 Administrative and general salaries.         920 Administrative expenses transferred - Credit.         922 Administrative expenses transferred - Credit.         923 Outside services employed.         924 Property insurance.         925 Employee pensions and benefits.         926 Employee pensions and benefits.         927 Franchise requirements.         928 Regulatory commission expenses.         929 Transhise requirements.         920 Administrative expenses.         921 Office supplies and expenses.         922 Administrative expenses transferred - Credit.         (17,463,672)       (18,841,642)       (19,404,008)       (19,619,015)       (21,365,227)       (23,174,150)         923 Outside services employed.       8,152,582       10,066,928       12,034,227       11,089,842       10,874,075       14,700,618         924 Property insurance.       3,057,126       3,195,612       3,239,827       3,579,275       4,002,327         926 Employee pensions and benefits.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,743         927 Franchise requirements.       928 Regulatory commission expenses.       929       929,100       929,10	916 Miscellaneous sales expenses.         8. Administrative and General Expenses         Operation         920 Administrative and general salaries.       24,627,399       27,835,981       28,595,464       32,969,528       35,749,407       39,390,46         921 Office supplies and expenses.       17,931,470       19,806,564       20,819,120       17,312,345       17,205,859       18,469,59         922 Administrative expenses transferred - Credit.       (17,463,672)       (18,841,642)       (19,404,008)       (19,619,015)       (21,365,227)       (23,174,15)         923 Outside services employed.       8,152,582       10,066,928       12,034,227       11,089,842       10,874,075       14,700,61         924 Property insurance.       3,057,126       3,195,612       3,066,612       3,239,827       3,579,275       4,002,32         925 Injuries and damages.       369,181       409,798       333,852       216,918       319,343       126,71         926 Employee pensions and benefits.       92,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,74         927 Franchise requirements.       928       Regulatory commission expenses.       929       929,11       2,631,840       2,853,582       3,354,367       2,748,357       4,565,55								
8. Administrative and General Expenses           Operation           920 Administrative and general salaries.         24,627,399         27,835,981         28,595,464         32,969,528         35,749,407         39,390,465           921 Office supplies and expenses.         17,931,470         19,806,564         20,819,120         17,312,345         17,205,859         18,469,598           922 Administrative expenses transferred - Credit.         (17,463,672)         (18,841,642)         (19,40,008)         (19,619,015)         (21,365,227)         (23,174,150)           923 Outside services employed.         8,152,582         10,066,928         12,034,227         11,089,842         10,874,075         14,700,618           924 Property insurance.         3,057,126         3,195,612         3,066,612         3,239,827         3,579,275         4,002,327           925 Injuries and damages.         369,181         409,798         333,852         216,918         319,343         126,712           926 Employee pensions and benefits.         29,324,780         30,314,906         34,073,322         68,707,526         50,218,558         47,896,743           927 Franchise requirements.         928 Regulatory commission expenses.         929 Employee and expenses.         929 Employee and expenses.         929 Employee and expenses.         929 Employee and	8. Administrative and General Expenses           Operation           920 Administrative and general salaries.         24,627,399         27,835,981         28,595,464         32,969,528         35,749,407         39,390,469,59           921 Office supplies and expenses.         17,931,470         19,806,564         20,819,120         17,312,345         17,205,859         18,469,59           922 Administrative expenses transferred - Credit.         (17,463,672)         (18,841,642)         (19,404,008)         (19,619,015)         (21,365,227)         (23,174,15           923 Outside services employed.         8,152,582         10,066,928         12,034,227         11,089,842         10,874,075         14,700,61           924 Property insurance.         3,057,126         3,195,612         3,066,612         3,239,827         3,579,275         4,002,32           925 Injuries and damages.         369,181         409,798         333,852         216,918         319,343         126,71           926 Employee pensions and benefits.         92,924,780         30,314,906         34,073,322         68,707,526         50,218,558         47,896,74           927 Franchise requirements.         928 Regulatory commission expenses.         929         929 Lupicate charges - Credit.         920         920 Logeneral advertising expenses.         929								
Operation           920 Administrative and general salaries.         24,627,399         27,835,981         28,595,464         32,969,528         35,749,407         39,390,465           921 Office supplies and expenses.         17,931,470         19,806,564         20,819,120         17,312,345         17,205,859         18,469,598           922 Administrative expenses transferred - Credit.         (17,463,672)         (18,841,642)         (19,404,008)         (19,619,015)         (21,365,227)         (23,174,150)           923 Outside services employed.         8,152,582         10,066,928         12,034,227         10,874,075         14,700,618           924 Property insurance.         3,057,126         3,195,612         3,066,612         3,239,827         3,579,275         4,002,327           925 Injuries and damages.         369,181         409,798         333,852         216,918         319,343         126,712           926 Employee pensions and benefits.         29,324,780         30,314,906         34,073,322         68,707,526         50,218,558         47,896,743           927 Franchise requirements.         928 Regulatory commission expenses.         929 Lipicate charges - Credit.         929 Duplicate charges - Credit.         920,1 General advertising expenses.         929 Lipicate charges - Credit.         930,1 General advertising expenses. <td< td=""><td>Operation920 Administrative and general salaries.24,627,39927,835,98128,595,46432,969,52835,749,0739,309,46921 Office supplies and expenses.17,91,47019,806,56420,819,12017,312,34517,203,6918,469,59922 Administrative expenses transferred - Credit.(17,463,672)(18,841,642)(19,40,008)(19,619,015)(21,365,227)(23,174,15)923 Outside services employed.(3,057,1263,195,6123,066,6123,239,8273,579,2754,002,32924 Property insurance.3,057,1263,195,6123,066,6123,239,8273,579,2754,002,32925 Injuries and damages.369,181409,798333,852216,918319,343126,71926 Employee pensions and benefits.29,324,78030,314,90634,073,32268,707,52650,218,55847,896,74927 Franchise requirements.928 Regulatory commission expenses.929,324,78030,314,90634,073,32268,707,52650,218,55847,896,74928 Duplicate charges - Credit.930.1 General advertising expenses.929,124,7802,853,5823,354,3672,748,3574,565,55931 Rents.4,678,4054,788,4104,763,8904,706,1385,829,1519,570,32</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Operation920 Administrative and general salaries.24,627,39927,835,98128,595,46432,969,52835,749,0739,309,46921 Office supplies and expenses.17,91,47019,806,56420,819,12017,312,34517,203,6918,469,59922 Administrative expenses transferred - Credit.(17,463,672)(18,841,642)(19,40,008)(19,619,015)(21,365,227)(23,174,15)923 Outside services employed.(3,057,1263,195,6123,066,6123,239,8273,579,2754,002,32924 Property insurance.3,057,1263,195,6123,066,6123,239,8273,579,2754,002,32925 Injuries and damages.369,181409,798333,852216,918319,343126,71926 Employee pensions and benefits.29,324,78030,314,90634,073,32268,707,52650,218,55847,896,74927 Franchise requirements.928 Regulatory commission expenses.929,324,78030,314,90634,073,32268,707,52650,218,55847,896,74928 Duplicate charges - Credit.930.1 General advertising expenses.929,124,7802,853,5823,354,3672,748,3574,565,55931 Rents.4,678,4054,788,4104,763,8904,706,1385,829,1519,570,32								
920 Administrative and general salaries.       24,627,399       27,835,981       28,595,464       32,969,528       35,749,407       39,390,465         921 Office supplies and expenses.       17,931,470       19,806,564       20,819,120       17,312,345       17,205,859       18,469,598         922 Administrative expenses transferred - Credit.       (17,463,672)       (18,841,642)       (19,404,008)       (19,619,015)       (21,365,227)       (23,174,150)         923 Outside services employed.       8,152,582       10,066,928       12,034,227       11,089,842       10,874,0705       14,700,618         924 Inprive and damages.       3,057,126       3,195,612       3,066,612       3,239,827       3,579,275       4,000,2327         925 Injuries and damages.       369,181       409,798       333,852       216,918       319,343       126,712         926 Employee pensions and benefits.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,743         927 Franchise requirements.       928 Regulatory commission expenses.       929 Administrative expenses.       929 Administrative expenses.       929 Linclard charges - Credit.       930,1 General advertising expenses.       930,1 General advertising expenses.       929 Linclard charges - Credit.       930,1 General advertising expenses.	920 Administrative and general salaries.24,627,39927,835,98128,595,46432,969,52835,749,40739,390,46921 Office supplies and expenses.17,931,47019,806,56420,819,12017,312,34517,205,85918,469,59922 Administrative expenses transferred - Credit.(17,463,672)(18,841,642)(19,404,008)(19,619,015)(21,365,227)(23,174,15923 Outside services employed.8,152,58210,066,92812,034,22711,089,84210,874,07514,700,61924 Property insurance.3,057,1263,195,6123,066,6123,239,8273,579,2754,002,32925 Injuries and damages.369,181409,798333,85221,69,118319,343126,71926 Employee pensions and benefits.29,324,78030,314,90634,073,32268,707,52650,218,55847,896,74927 Franchise requirements.29,324,78030,314,90634,073,32268,707,52650,218,55847,896,74929 Duplicate charges - Credit.930.1 General advertising expenses.28,89,7112,631,8402,853,5823,354,3672,748,3574,565,55931 Rents.4,678,4054,788,2104,763,8904,706,1385,829,1519,570,32	•							
921 Office supplies and expenses.       17,931,470       19,806,564       20,819,120       17,312,345       17,205,859       18,469,598         922 Administrative expenses transferred - Credit.       (17,463,672)       (18,841,642)       (19,404,008)       (19,619,015)       (21,365,227)       (23,174,150)         923 Outside services employed.       8,152,582       10,066,928       12,034,227       11,089,842       10,874,075       14,700,618         924 Property insurance.       3,057,126       3,195,612       3,239,827       3,579,275       4,002,327         925 Injuries and damages.       369,181       409,798       333,852       216,918       319,543       126,712         926 Employee pensions and benefits.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,743         927 Franchise requirements.       928 Regulatory commission expenses.       929 Duplicate charges - Credit.       930,1 General advertising expenses.       920,1 General advertising expenses.       930,1 General advertising expenses.       930,1 General advertising expenses.	921 Office supplies and expenses.       17,931,470       19,806,564       20,819,120       17,312,345       17,205,859       18,469,59         922 Administrative expenses transferred - Credit.       (17,463,672)       (18,841,642)       (19,404,008)       (19,619,015)       (21,365,227)       (23,174,15         923 Outside services employed.       8,152,582       10,066,928       12,034,227       11,089,842       10,874,075       14,700,61         924 Property insurance.       3,057,126       3,195,612       3,066,612       3,239,827       3,579,275       4,002,32         925 lnjvies and damages.       369,181       409,798       333,852       216,918       319,343       126,71         926 Employee pensions and benefits.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,74         927 Franchise requirements.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,74         928 Regulatory commission expenses.       929 Duplicate charges - Credit.       930.1 General advertising expenses.       929       920       920 Micate charges - Credit.       930.2 Miscellaneous general expenses.       2,889,711       2,631,840       2,853,582       3,354,367       2,748,357       4,565,55       931 Rents.       4,678,405	•							
922 Administrative expenses transferred - Credit.       (17,463,672)       (18,841,642)       (19,404,008)       (19,619,015)       (21,365,227)       (23,174,150)         923 Outside services employed.       8,152,582       10,066,928       12,034,227       11,089,842       10,874,075       14,700,618         924 Property insurance.       3,057,126       3,195,612       3,066,612       3,239,827       3,579,275       4,002,327         925 Injuries and damages.       369,181       409,798       333,852       216,918       319,343       126,712         926 Employee pensions and benefits.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,743         927 Franchise requirements.       928 Regulatory commission expenses.       929 Duplicate charges - Credit.       930.1 General advertising expenses.       930.1 General advertising expenses.       930.1 General advertising expenses.	922 Administrative expenses transferred - Credit.       (17,463,672)       (18,841,642)       (19,404,008)       (19,619,015)       (21,365,227)       (23,174,15         923 Outside services employed.       8,152,582       10,066,928       12,034,227       11,089,842       10,874,075       14,700,61         924 Property insurance.       3,057,126       3,195,612       3,066,612       3,239,827       3,579,275       4,002,32         925 Injuries and damages.       369,181       409,798       333,852       216,918       319,343       126,71         926 Employee pensions and benefits.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,74         927 Franchise requirements.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,74         928 Regulatory commission expenses.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,74         929 Duplicate charges - Credit.       930.1 General advertising expenses.       930.1 General advertising expenses.       2,889,711       2,631,840       2,853,582       3,354,367       2,748,357       4,565,55         931 Rents.       4,678,405       4,788,210       4,763,890       4,706,138       5,829,151       9,570,3								
923 Outside services employed.       8,152,582       10,066,928       12,034,227       11,089,842       10,874,075       14,700,618         924 Property insurance.       3,057,126       3,195,612       3,066,612       3,239,827       3,579,275       4,002,327         925 Injuries and damages.       369,181       409,798       333,852       216,918       319,343       126,712         926 Employee pensions and benefits.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,743         928 Regulatory commission expenses.       929 Duplicate charges - Credit.       930.1 General advertising expenses.       930.1 General advertising expenses.       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940       940	923 Outside services employed.       8,152,582       10,066,928       12,034,227       11,089,842       10,874,075       14,700,61         924 Property insurance.       3,057,126       3,195,612       3,066,612       3,239,827       3,579,275       4,002,32         925 Injuries and damages.       369,181       409,798       333,852       216,918       319,343       126,71         926 Employee pensions and benefits.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,74         927 Franchise requirements.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,74         928 Regulatory commission expenses.       292 Duplicate charges - Credit.       920       920       920 Logilicate charges - Credit.       930.1 General advertising expenses.       930.2 Miscellaneous general expenses.       93,289,711       2,631,840       2,853,582       3,354,367       2,748,357       4,565,55         931 Rents.       4,678,405       4,788,210       4,763,890       4,706,138       5,829,151       9,570,32								
924 Property insurance.       3,057,126       3,195,612       3,066,612       3,239,827       3,579,275       4,002,327         925 Injuries and damages.       369,181       409,798       333,852       216,918       319,343       126,712         926 Employee pensions and benefits.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,743         927 Franchise requirements.       928 Regulatory commission expenses.       929 Duplicate charges - Credit.       930.1 General advertising expenses.	924 Property insurance.       3,057,126       3,195,612       3,066,612       3,239,827       3,579,275       4,002,32         925 Injuries and damages.       369,181       409,798       333,852       216,918       319,343       126,71         926 Employee pensions and benefits.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,74         927 Franchise requirements.       928 Regulatory commission expenses.       929 Duplicate charges - Credit.       930.1 General advertising expenses.       930.2 Miscellaneous general expenses.       930.2 Miscellaneous general expenses.       930.2 Miscellaneous general expenses.       93,954,367       2,748,357       4,565,55         931 Rents.       4,678,405       4,788,210       4,763,890       4,706,138       5,829,151       9,570,322	•							
925 Injuries and damages.       369,181       409,798       333,852       216,918       319,343       126,712         926 Employee pensions and benefits.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,743         927 Franchise requirements.       928 Regulatory commission expenses.       929 Duplicate charges - Credit.       930,1 General advertising expenses.	925 Injuries and damages.       369,181       409,798       333,852       216,918       319,343       126,71         926 Employee pensions and benefits.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,74         927 Franchise requirements.       928 Regulatory commission expenses.       929 Duplicate charges - Credit.       930.1 General advertising expenses.       930.2 Miscellaneous general expenses.       930.2 Miscellaneous general expenses.       930.2 Miscellaneous general expenses.       931 Rents.       2,889,711       2,631,840       2,853,582       3,354,367       2,748,357       4,565,55								
926 Employee pensions and benefits.         29,324,780         30,314,906         34,073,322         68,707,526         50,218,558         47,896,743           927 Franchise requirements.         928 Regulatory commission expenses.         929 Duplicate charges - Credit.         930.1 General advertising expenses.	926 Employee pensions and benefits.       29,324,780       30,314,906       34,073,322       68,707,526       50,218,558       47,896,74         927 Franchise requirements.       928 Regulatory commission expenses.       929 Duplicate charges - Credit.       930.1 General advertising expenses.       930.1 General advertising expenses.       930.2 Miscellaneous general expenses.       930.2 Miscellaneous general expenses.       9,889,711       2,631,840       2,853,582       3,354,367       2,748,357       4,565,55         931 Rents.       4,678,405       4,788,210       4,763,890       4,706,138       5,829,151       9,570,322								
927 Franchise requirements. 928 Regulatory commission expenses. 929 Duplicate charges - Credit. 930.1 General advertising expenses.	927 Franchise requirements.         928 Regulatory commission expenses.         929 Duplicate charges - Credit.         930.1 General advertising expenses.         930.2 Miscellaneous general expenses.         931 Rents.		,			,			
928 Regulatory commission expenses. 929 Duplicate charges - Credit. 930.1 General advertising expenses.	928 Regulatory commission expenses.         929 Duplicate charges - Credit.         930.1 General advertising expenses.         930.2 Miscellaneous general expenses.         931 Rents.         2,889,711         2,889,711         2,889,711         2,889,711         2,889,711         2,889,711         2,873,582         3,354,367         2,748,357         4,565,55         931 Rents.         4,678,405         4,763,890         4,706,138         5,829,151         9,570,32		29,324,780	30,314,906	34,073,322	68,707,526	50,218,558	47,896,743	
929 Duplicate charges - Credit. 930.1 General advertising expenses.	929 Duplicate charges - Credit.         930.1 General advertising expenses.         930.2 Miscellaneous general expenses.         931 Rents.         2,889,711         2,889,711         2,889,711         2,889,711         2,889,711         2,889,711         2,873,582         3,354,367         2,748,357         4,565,55         931 Rents.         4,678,405         4,763,890         4,706,138         5,829,151         9,570,32	•							
930.1 General advertising expenses.	930.1 General advertising expenses.         930.2 Miscellaneous general expenses.         930.2 Miscellaneous general expenses.         931 Rents.         2,889,711       2,631,840       2,853,582       3,354,367       2,748,357       4,565,55         931 Rents.       4,678,405       4,788,210       4,763,890       4,706,138       5,829,151       9,570,32								
	930.2 Miscellaneous general expenses.2,889,7112,631,8402,853,5823,354,3672,748,3574,565,55931 Rents.4,678,4054,788,2104,763,8904,706,1385,829,1519,570,32								
	931 Rents. 4,678,405 4,788,210 4,763,890 4,706,138 5,829,151 9,570,32	•	2 000 711	2 624 042	2 052 502	2 25 4 267	2 740 257	4 5 6 5 5 5 6	
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			4,678,405	4,788,210	4,763,890	4,706,138	5,829,151	9,570,329	
Maintenance			4 105 070	2 557 010	2 757 097	2 000 405	F 340 005	E 002 570	
932 Maintenance of general plant. 4,105,070 3,557,910 3,757,087 3,969,495 5,348,885 5,092,579	רקעענג 190,240,25 אין	352 maintenance di general plant.	4,105,070	3,337,310	5,151,001	3,303,433	3,340,003	5,052,579	