



250 SW Taylor Street
Portland, OR 97204

503-226-4211
nwnatural.com

July 31, 2023

NWN OPUC Advice No. 23-15 / UG 482
(UM 2252)

VIA ELECTRONIC FILING

Public Utility Commission of Oregon
Attention: Filing Center
201 High Street SE, Suite 100
Post Office Box 1088
Salem, Oregon 97308-1088

**Re: REQUEST FOR INCLUSION OF COSTS ASSOCIATED WITH TRANSPORTATION
CUSTOMER RENEWABLE NATURAL GAS OFFTAKE COSTS**

Northwest Natural Gas Company, dba NW Natural (“NW Natural” or “Company”), files herewith revisions and additions to its Tariff, P.U.C. Or. 25,¹ stated to become effective with service on and after November 1, 2023, as follows:

Third Revision of Sheet 171-1	Schedule 171	Transportation Customer Renewable Natural Gas Offtake Costs
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Purpose

The purpose of this filing is to request amortization of amounts deferred for renewable natural gas (“RNG”) purchases under docket UM 2252 that are allocated to transport and special contract customers. The Company revises rates for this purpose annually; the last filing was effective November 1, 2022.

Background:

As a natural gas local distribution company, NW Natural is a “covered fuel supplier²” under the Climate Protection Program (“CPP”) and is the point of regulation for the emissions associated with gas used by its sales, transport, and special contracts customers. Since purchasing RNG helps satisfy the CPP compliance obligation that NW Natural has for all these customer classes, it is appropriate to recover such costs from not only its sales customers through Schedule 164, but also from its transport and special contract customers under this Schedule 171.

This filing is in compliance with ORS 757.259, which authorizes deferred utility expenses or revenues to be allowed (amortized) in rates to the extent authorized by the Public Utility Commission of Oregon (“Commission”) in a proceeding to change rates. All of the deferrals included in this filing occurred with appropriate application by Commission authorization, as rate orders or under approved tariffs.

¹ Tariff P.U.C. Or. 25 originated November 1, 2012 with docket UG 221; Order No. 12-408 as supplemented by Order No. 12-437 and was filed in accordance with ORS 767.205 and OAR 860-022-0005.

² OAR 340-271-0020(15)

Proposed Changes

The effect of this new tariff adjustment schedule is to decrease the Company's annual revenues by \$4,553,828, or about 0.54%.

The monthly bill of the average commercial firm transportation customers served under Rate Schedule 31 using 3,916 therms will see a decrease of \$57.33. The monthly decrease for the average industrial firm transportation Rate Schedule 31 customer using 6,161 therms is \$90.20, the average commercial firm transportation Rate Schedule 32 customer using 19,973 therms will see a decrease of about \$292.40, the average industrial firm transportation Rate Schedule 32 customers using 77,536 therms will see a \$1,135.13 decrease, the average commercial interruptible transportation Rate Schedule 32 customer using 198,501 therms will see a decrease of \$2,906.05, and the average industrial interruptible transportation Rate Schedule 32 customers using 209,965 therms will see a decrease of \$3,073.89.

In compliance with OAR 860-022-0025 the Company states that the number of customers affected by the proposed change in this filing is 275 transportation customers.

Conclusion

In support of this filing, the Company includes supporting materials as part of this filing and will separately submit work papers in electronic format, all of which are incorporated herein by reference.

In accordance with ORS 757.205, copies of this letter and the filing made herewith are available in the Company's main office in Oregon and on its website at www.nwnatural.com.

Please address correspondence on this matter to Lora Bourdo at lora.bourdo@nwnatural.com with copies to the following:

eFiling
Rates & Regulatory Affairs
NW Natural
250 SW Taylor Street
Portland, Oregon 97204
Fax: (503) 220-2579
Telephone: (503) 610-7330
eFiling@nwnatural.com

Sincerely,

NW NATURAL

/s/ Kyle Walker, CPA

Kyle Walker, CPA
Rates/Regulatory Senior Manager

Attachment: Exhibit A – Supporting Materials

EXHIBIT A

BEFORE THE PUBLIC UTILITY COMMISSION
OF OREGON

NW NATURAL SUPPORTING MATERIALS

Non-Gas Cost Inclusions Associated With
Transportation Customer Renewable Natural Gas Offtake Costs
UM 2252

NWN OPUC Advice No. 23-15 / UG 482

July 31, 2023

NW NATURAL

EXHIBIT A

Supporting Materials

Non-Gas Cost Associated With Transportation Customer Renewable Natural Gas Offtake Costs

NWN OPUC ADVICE NO. 23-15 / UG 482

Description	Page
Calculation of Increments Allocated on Equal Cent per Therm Basis	1
Effects on Average Bill by Rate Schedule	2
Basis for Revenue Related Costs	3
PGA Effects on Revenue	4
Summary of Renewables Deferred Accounts Included in the PGA	5
151932 CPP – Transportation Deferral	6
151934 OR CPP Compliance Amortization - Transport	7
151936 CPP – Special Contracts RTC offtake Deferral	8

NW Natural
 Rates & Regulatory Affairs
 2023-24 PGA - Oregon: August Filing
 Calculation of Increments Allocated on the EQUAL CENT PER THERM BASIS
 ALL VOLUMES IN THERMS

			RNG Transport Allocation			RNG Special Contracts		
			(2,410,858) Temporary Increment			(261,985) Temporary Increment		
			2.819% add revenue sensitive factor			2.819% add revenue sensitive factor		
			(2,480,785) to all transport			(269,584) to special contracts		
Schedule	Block	A	Multiplier AJ	Volumes AK	Increment AL	Multiplier AJ	Volumes AK	Increment AL
2R		425,261,320	0.0	0	\$0.00000	0.0	0	\$0.00000
3C Firm Sales		180,723,276	0.0	0	\$0.00000	0.0	0	\$0.00000
3I Firm Sales		5,242,606	0.0	0	\$0.00000	0.0	0	\$0.00000
27 Dry Out		790,225	0.0	0	\$0.00000	0.0	0	\$0.00000
31C Firm Sales	Block 1	10,541,198	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 2	11,528,162	0.0	0	\$0.00000	0.0	0	\$0.00000
31C Firm Trans	Block 1	1,150,855	1.0	1,150,855	(\$0.00862)	0.0	0	\$0.00000
	Block 2	1,621,395	1.0	1,621,395	(\$0.00862)	0.0	0	\$0.00000
31I Firm Sales	Block 1	3,851,855	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 2	8,832,261	0.0	0	\$0.00000	0.0	0	\$0.00000
31I Firm Trans	Block 1	153,988	1.0	153,988	(\$0.00862)	0.0	0	\$0.00000
	Block 2	363,573	1.0	363,573	(\$0.00862)	0.0	0	\$0.00000
32C Firm Sales	Block 1	31,802,850	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 2	10,782,597	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 3	2,237,041	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 4	1,038,828	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 5	30,626	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 6	0	0.0	0	\$0.00000	0.0	0	\$0.00000
32I Firm Sales	Block 1	7,308,477	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 2	7,116,901	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 3	2,428,784	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 4	1,682,852	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 5	210,463	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 6	0	0.0	0	\$0.00000	0.0	0	\$0.00000
32C Firm Trans	Block 1	2,586,658	1.0	2,586,658	(\$0.00862)	0.0	0	\$0.00000
	Block 2	2,000,143	1.0	2,000,143	(\$0.00862)	0.0	0	\$0.00000
	Block 3	713,689	1.0	713,689	(\$0.00862)	0.0	0	\$0.00000
	Block 4	908,192	1.0	908,192	(\$0.00862)	0.0	0	\$0.00000
	Block 5	22,758	1.0	22,758	(\$0.00862)	0.0	0	\$0.00000
	Block 6	0	1.0	0	(\$0.00862)	0.0	0	\$0.00000
32I Firm Trans	Block 1	11,491,095	1.0	11,491,095	(\$0.00862)	0.0	0	\$0.00000
	Block 2	16,722,073	1.0	16,722,073	(\$0.00862)	0.0	0	\$0.00000
	Block 3	10,683,887	1.0	10,683,887	(\$0.00862)	0.0	0	\$0.00000
	Block 4	22,101,234	1.0	22,101,234	(\$0.00862)	0.0	0	\$0.00000
	Block 5	23,116,595	1.0	23,116,595	(\$0.00862)	0.0	0	\$0.00000
	Block 6	7,997,925	1.0	7,997,925	(\$0.00862)	0.0	0	\$0.00000
32C Interr Sales	Block 1	4,812,286	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 2	6,912,175	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 3	3,915,818	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 4	6,195,667	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 5	3,369,903	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 6	0	0.0	0	\$0.00000	0.0	0	\$0.00000
32I Interr Sales	Block 1	4,976,544	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 2	6,358,575	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 3	3,824,879	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 4	11,455,866	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 5	6,274,793	0.0	0	\$0.00000	0.0	0	\$0.00000
	Block 6	1,589,833	0.0	0	\$0.00000	0.0	0	\$0.00000
32C Interr Trans	Block 1	787,487	1.0	787,487	(\$0.00862)	0.0	0	\$0.00000
	Block 2	1,577,765	1.0	1,577,765	(\$0.00862)	0.0	0	\$0.00000
	Block 3	946,128	1.0	946,128	(\$0.00862)	0.0	0	\$0.00000
	Block 4	3,171,260	1.0	3,171,260	(\$0.00862)	0.0	0	\$0.00000
	Block 5	663,407	1.0	663,407	(\$0.00862)	0.0	0	\$0.00000
	Block 6	0	1.0	0	(\$0.00862)	0.0	0	\$0.00000
32I Interr Trans	Block 1	6,332,023	1.0	6,332,023	(\$0.00862)	0.0	0	\$0.00000
	Block 2	10,799,708	1.0	10,799,708	(\$0.00862)	0.0	0	\$0.00000
	Block 3	7,423,918	1.0	7,423,918	(\$0.00862)	0.0	0	\$0.00000
	Block 4	17,235,563	1.0	17,235,563	(\$0.00862)	0.0	0	\$0.00000
	Block 5	38,975,154	1.0	38,975,154	(\$0.00862)	0.0	0	\$0.00000
	Block 6	98,124,177	1.0	98,124,177	(\$0.00862)	0.0	0	\$0.00000
33		N/A	1.0	0	(\$0.00862)	0.0	0	\$0.00000
Special Contracts		51,198,641	0.0	0	\$0.00000	1.0	51,198,641	(\$0.00527)
TOTALS		1,109,965,950		287,670,651	\$ (0.00862)		51,198,641	\$ (0.00527)
Sources for line 2 above:								
Inputs page			Line 55			Line 71		
Tariff Schedules								
Rate Adjustment Schedule			Sched 171			Sched 171		

										Advice 23-15 See note [12]	
1	Oregon PGA		Normal	Minimum	3/15/2023	3/15/2023	Proposed	Proposed	Proposed		
2	Normalized		Therms				11/1/2023	11/1/2023	11/1/2023		
3	Volumes page,	Therms in	Monthly	Monthly	Billing	Current	RNG Transport Allocation	RNG Transport Allocation	RNG Transport Allocation		
4	Column D	Block	Average use	Charge	Rates	Average Bill	Rates	Average Bill	% Bill Change		
5											AA = (Z - F)/F
6	Schedule	Block	A	B	C	D	E	F = D+(C * E)	Y	Z = D+(C * Y)	AA
7	2R		425,261,320	N/A	56	\$8.00	\$1.43686	\$88.46	\$1.43686	\$88.46	0.0%
8	3C Firm Sales		180,723,276	N/A	255	\$15.00	\$1.18666	\$317.60	\$1.18666	\$317.60	0.0%
9	3I Firm Sales		5,242,606	N/A	1,304	\$15.00	\$1.13570	\$1,495.95	\$1.13570	\$1,495.95	0.0%
10	27 Dry Out		790,225	N/A	44	\$8.00	\$1.16589	\$59.30	\$1.16589	\$59.30	0.0%
11	31C Firm Sales	Block 1	10,541,198	2,000	2,816	\$325.00	\$0.85127	\$2,700.12	\$0.85127	\$2,700.12	0.0%
12		Block 2	11,528,162	all additional			\$0.82424		\$0.82424		0.0%
13	31C Firm Trans	Block 1	1,150,855	2,000	3,916	\$575.00	\$0.28505	\$1,645.54	\$0.27041	\$1,588.21	-3.5%
14		Block 2	1,621,395	all additional			\$0.26119		\$0.26119		
15	31I Firm Sales	Block 1	3,851,855	2,000	5,776	\$325.00	\$0.84102	\$5,095.29	\$0.84102	\$5,095.29	0.0%
16		Block 2	8,832,261	all additional			\$0.81786		\$0.81786		
17	31I Firm Trans	Block 1	153,988	2,000	6,161	\$575.00	\$0.24605	\$1,995.36	\$0.23141	\$1,905.16	-4.5%
18		Block 2	363,573	all additional			\$0.22309		\$0.22309		
19	32C Firm Sales	Block 1	31,802,850	10,000	7,043	\$675.00	\$0.76861	\$6,088.29	\$0.76861	\$6,088.29	0.0%
20		Block 2	10,782,597	20,000			\$0.74322		\$0.74322		
21		Block 3	2,237,041	20,000			\$0.70109		\$0.70109		
22		Block 4	1,038,828	100,000			\$0.65879		\$0.65879		
23		Block 5	30,626	600,000			\$0.62840		\$0.62840		
24		Block 6	0	all additional			\$0.61401		\$0.61401		
25	32I Firm Sales	Block 1	7,308,477	10,000	18,823	\$675.00	\$0.73013	\$14,247.56	\$0.73013	\$14,247.56	0.0%
26		Block 2	7,116,901	20,000			\$0.71078		\$0.71078		
27		Block 3	2,428,784	20,000			\$0.67847		\$0.67847		
28		Block 4	1,682,852	100,000			\$0.64624		\$0.64624		
29		Block 5	210,463	600,000			\$0.62372		\$0.62372		
30		Block 6	0	all additional			\$0.61239		\$0.61239		
31	32C Firm Trans	Block 1	2,586,658	10,000	19,973	\$925.00	\$0.13291	\$3,390.69	\$0.11827	\$3,098.29	-8.6%
32		Block 2	2,000,143	20,000			\$0.11396		\$0.09932		
33		Block 3	713,689	20,000			\$0.08251		\$0.06787		
34		Block 4	908,192	100,000			\$0.05102		\$0.03638		
35		Block 5	22,758	600,000			\$0.03209		\$0.01745		
36		Block 6	0	all additional			\$0.01952		\$0.00488		
37	32I Firm Trans	Block 1	11,491,095	10,000	77,536	\$925.00	\$0.13069	\$7,487.37	\$0.11605	\$6,352.24	-15.2%
38		Block 2	16,722,073	20,000			\$0.11214		\$0.09750		
39		Block 3	10,683,887	20,000			\$0.08125		\$0.06661		
40		Block 4	22,101,234	100,000			\$0.05039		\$0.03575		
41		Block 5	23,116,595	600,000			\$0.03179		\$0.01715		
42		Block 6	7,997,925	all additional			\$0.01948		\$0.00484		
43	32C Interr Sales	Block 1	4,812,286	10,000	53,859	\$675.00	\$0.74068	\$38,643.34	\$0.74068	\$38,643.34	0.0%
44		Block 2	6,912,175	20,000			\$0.71933		\$0.71933		
45		Block 3	3,915,818	20,000			\$0.68371		\$0.68371		
46		Block 4	6,195,667	100,000			\$0.64806		\$0.64806		
47		Block 5	3,369,903	600,000			\$0.62665		\$0.62665		
48		Block 6	0	all additional			\$0.61101		\$0.61101		
49	32I Interr Sales	Block 1	4,976,544	10,000	42,886	\$675.00	\$0.72514	\$30,744.73	\$0.72514	\$30,744.73	0.0%
50		Block 2	6,358,575	20,000			\$0.70622		\$0.70622		
51		Block 3	3,824,879	20,000			\$0.67469		\$0.67469		
52		Block 4	11,455,866	100,000			\$0.64312		\$0.64312		
53		Block 5	6,274,793	600,000			\$0.62420		\$0.62420		
54		Block 6	1,589,833	all additional			\$0.61033		\$0.61033		
55	32C Interr Trans	Block 1	787,487	10,000	198,501	\$925.00	\$0.12584	\$12,252.01	\$0.11120	\$9,345.96	-23.7%
56		Block 2	1,577,765	20,000			\$0.10802		\$0.09338		
57		Block 3	946,128	20,000			\$0.07829		\$0.06365		
58		Block 4	3,171,260	100,000			\$0.04854		\$0.03390		
59		Block 5	663,407	600,000			\$0.03070		\$0.01606		
60		Block 6	0	all additional			\$0.01883		\$0.00419		
61	32I Interr Trans	Block 1	6,332,023	10,000	209,965	\$925.00	\$0.12605	\$12,645.11	\$0.11141	\$9,571.22	-24.3%
62		Block 2	10,799,708	20,000			\$0.10821		\$0.09357		
63		Block 3	7,423,918	20,000			\$0.07848		\$0.06384		
64		Block 4	17,235,563	100,000			\$0.04873		\$0.03409		
65		Block 5	38,975,154	600,000			\$0.03090		\$0.01626		
66		Block 6	98,124,177	all additional			\$0.01900		\$0.00436		
67	33		0	N/A	0.0	\$38,000.00	\$0.00629	\$38,000.00	\$0.01491	\$38,000.00	0.0%
68	Special Contracts		51,198,641	N/A	0	\$0	\$0.00000	\$0.00	\$0.00000	\$0.00	
69	Totals		1,109,965,950								

[1] For convenience of presentation, demand charges for Rate Schedules 31 and 32 have been removed.
 [2] Tariff Advice Notice 23-05: Non-Gas Cost Deferral Amortizations - Intervenor Funding
 [3] Tariff Advice Notice 23-06: Non-Gas Cost Deferral Amortizations - Oregon PUC Fee
 [4] Tariff Advice Notice 23-07: Non-Gas Cost Deferral Amortizations - SRRM
 [5] Tariff Advice Notice 23-08: Non-Gas Cost Deferral Amortizations - Industrial DSM
 [6] Tariff Advice Notice 23-09: Non-Gas Cost Deferral Amortizations - Decoupling
 [7] Tariff Advice Notice 23-10: Non-Gas Cost Deferral Amortizations - WARM
 [8] Tariff Advice Notice 23-11: Non-Gas Cost Deferral Amortization - Corporate Activity Tax (CAT) Amortization
 [9] Tariff Advice Notice 23-12: Non-Gas Cost Amortization - Net Curtailment and Entitlement Revenues
 [10] Tariff Advice Notice 23-13: Non-Gas Cost Amortization - Regulatory Rate Adjustment
 [11] Tariff Advice Notice 23-14: Non-Gas Cost Amortization - Residential Rate Mitigation
 [12] Tariff Advice Notice 23-15: Non-Gas Cost Amortization - RNG Transport Allocation
 [13] Tariff Advice Notice 23-16: COVID Years 2 & 3
 [14] Tariff Advice Notice 23-17: Non-Gas Cost Amortization - TSA Security Directive
 [15] Tariff Advice Notice 23-18: CCI's
 [16] Tariff Advice Notice 23-19: PGA
 [17] Tariff Advice Notice 23-20: RNG Adj Mechanism

NW Natural
Rates and Regulatory Affairs
2023-2024 PGA Filing - OREGON
Basis for Revenue Related Costs

	Twelve Months <u>Ended 06/30/23</u>	
1		
2		
3	Total Billed Gas Sales Revenues	\$ 977,383,649
4	Total Oregon Revenues	\$ 981,971,599
5		
6	Regulatory Commission Fees [1]	n/a 0.430% Statutory rate
7	City License and Franchise Fees	\$ 22,573,887 2.299% Line 7 ÷ Line 4
8	Net Uncollectible Expense [2]	<u>\$ 881,388</u> <u>0.090%</u> Line 8 ÷ Line 4
9		
10	Total	<u><u>2.819%</u></u> Sum lines 8-9
11		
12		

13 **Note:**

- 14 [1] Dollar figure is set at statutory level of 0.275% times Total Oregon Revenues (line 4).
 15 Because the fee changed since our last general rate case, the difference between the previous fee of 0.375%
 16 and the new fee of 0.430%, as it affects our base rates, is being captured as a temporary deferral.
 17 [2] Represents the normalized net write-offs based on a three-year average.

NW Natural
Rates & Regulatory Affairs
2023-2024 PGA Filing - Oregon: August Filing
PGA Effects on Revenue
UG 482: RNG Transport Allocation

	Including Revenue Sensitive Amount
1	
2 <u>Temporary Increments</u>	
3	
4 <u>Removal of Current Temporary Increments</u>	
5 Amortization of RNG Transport Allocation	<u>(1,803,459)</u>
6	
7	
8 <u>Addition of Proposed Temporary Increments</u>	
9	<u>(2,750,369)</u>
10	
11	
12 TOTAL OF ALL COMPONENTS OF RATE CHANGES	<u><u>(\$4,553,828)</u></u>
13	
14	
15	
16 2022 Oregon Earnings Test Normalized Total Revenues	\$849,278,042
17	
18 Effect of this filing, as a percentage change (line 12 ÷ line 16)	-0.54%

NW Natural
Rates & Regulatory Affairs
2023-2024 PGA Filing - June Filing
Summary of Renewables Deferred Accounts Included in the PGA

	Account	Balance 6/30/2023	Jul-Oct Estimated Activity	Jul-Oct Interest	Estimated Balance 10/31/2023	Interest Rate During Amortization	Estimated Interest During Amortization	Total Estimated Amount for (Refund) or Collection
	A	B	C	D	E	F1	F2	G
					E = sum B thru D	5.13%		G = E + F2
1	CPP DEFERRALS							
2	151936 TRANSP SPEC CONTRACTS DEFERRAL	(249,123)	0	(5,725)	(254,848)			
	Total	(249,123)	-	(5,725)	(254,848)	5.13%	(7,137)	(261,985)
3	151932 TRANSP CPP DEFERRAL	(2,382,832)	0	(54,763)	(2,437,594)			
4	151934 TRANSP CPP AMORTIZATION	(247,656)	340,572	(504)	92,412			
5	Total	(2,630,487)	340,572	(55,267)	(2,345,182)	5.13%	(65,676)	(2,410,858)

Company: Northwest Natural Gas Company
 State: Oregon
 Description: CPP - Transportation Deferral
 Account Number: 151932
 Docket: UG 456, Order 22-400

1	Debit	(Credit)						
2								
3	Month/Year	Note	Deferral	Transfers	Interest Rate	Interest	Activity	Balance
4	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
5	Beginning Balance							
6	Jan-22		0.00		6.965%	-	0.00	0.00
7	Feb-22		0.00		6.965%	-	0.00	0.00
8	Mar-22		(180,258.96)		6.965%	(523.13)	(180,782.09)	(180,782.09)
9	Apr-22		(154,556.87)		6.965%	(1,497.83)	(156,054.70)	(336,836.79)
10	May-22		(166,807.79)		6.965%	(2,439.15)	(169,246.94)	(506,083.73)
11	Jun-22		(166,807.79)		6.965%	(3,421.48)	(170,229.27)	(676,313.01)
12	Jul-22		(166,807.78)		6.965%	(4,409.52)	(171,217.30)	(847,530.31)
13	Aug-22		(166,807.79)		6.965%	(5,403.30)	(172,211.09)	(1,019,741.40)
14	Sep-22		(166,807.79)		6.965%	(6,402.84)	(173,210.63)	(1,192,952.02)
15	Oct-22		(166,807.79)		6.965%	(7,408.18)	(174,215.97)	(1,367,167.99)
16	Nov-22	1	(327,403.73)	676,313.00	6.836%	(4,868.13)	344,041.14	(1,023,126.85)
17	Dec-22		(387,319.56)		6.836%	(6,931.63)	(394,251.19)	(1,417,378.04)
18	Jan-23		(384,548.54)		6.836%	(9,169.65)	(393,718.19)	(1,811,096.23)
19	Feb-23		(187,080.18)		6.836%	(10,850.08)	(197,930.26)	(2,009,026.49)
20	Mar-23		(131,678.90)		6.836%	(11,819.82)	(143,498.72)	(2,152,525.21)
21	Apr-23		(76,279.49)		6.836%	(12,479.49)	(88,758.98)	(2,241,284.18)
22	May-23		(170,132.35)		6.836%	(13,252.44)	(183,384.79)	(2,424,668.98)
23	Jun-23		55,491.85		6.836%	(13,654.47)	41,837.38	(2,382,831.59)
24	Jul-23				6.836%	(13,574.20)	(13,574.20)	(2,396,405.79)
25	Aug-23				6.836%	(13,651.53)	(13,651.53)	(2,410,057.32)
26	Sep-23				6.836%	(13,729.29)	(13,729.29)	(2,423,786.61)
27	Oct-23				6.836%	(13,807.50)	(13,807.50)	(2,437,594.11)

NOTES

1 - Transfer represents amount approved for amortization and moved to account 151934.

Company: Northwest Natural Gas Company
 State: Oregon
 Description: OR CPP COMPLIANCE AMORT - TRANSP
 Account Number: 151934
 Docket: UG 456, Order 22-400

Debit (Credit)

Month/Year	Note	Amortization	Transfers	Interest Rate	Interest	Activity	Balance
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	Beginning Balance						
2	Nov-22	56,544.72	(676,313.00)	1.820%	(982.86)	(620,751.14)	(620,751.14)
3	Dec-22	58,783.42		1.820%	(896.90)	57,886.52	(562,864.62)
4	Jan-23	58,044.71		1.820%	(809.66)	57,235.05	(505,629.57)
5	Feb-23	53,786.39		1.820%	(726.08)	53,060.31	(452,569.26)
6	Mar-23	59,196.77		1.820%	(641.51)	58,555.26	(394,014.00)
7	Apr-23	50,062.55		1.820%	(559.62)	49,502.93	(344,511.07)
8	May-23	50,441.63		1.820%	(484.26)	49,957.37	(294,553.70)
9	Jun-23	47,308.92		1.820%	(410.86)	46,898.06	(247,655.64)
10	Jul-23 <i>forecasted</i>	<i>81,096.30</i>		1.820%	(314.11)	80,782.19	(166,873.45)
11	Aug-23 <i>forecasted</i>	<i>82,177.96</i>		1.820%	(190.77)	81,987.19	(84,886.26)
12	Sep-23 <i>forecasted</i>	<i>81,590.04</i>		1.820%	(66.87)	81,523.17	(3,363.09)
13	Oct-23 <i>forecasted</i>	<i>95,707.72</i>		1.820%	67.48	95,775.20	92,412.11

Notes:

1 - Transferred in balance authorized for amortization from account 151932.

