

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

September 14, 2023

NWN OPUC Advice No. 23-20A / UG 487

# 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: REPLACEMENT FILING REQUEST FOR INCLUSION OF COSTS ASSOCIATED WITH RENEWABLE NATURAL GAS INVESTMENTS: Schedule 198 – Renewable Natural Gas Adjustment Mechanism

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

First Revision of Sheet 198-1	Schedule 198	Renewable Natural Gas Adjustment Mechanism
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This filing replaces, in its entirety, the tariff sheet and Exhibit A originally filed under NWN OPUC Advice No. 23-20 (UG 487), dated July 31, 2023. The purpose of this replacement filing is to revise a deferral calculation and add a non-combustion-related rate.

# <u>Purpose</u>

The purpose of this filing is to recover the forecasted revenue requirement, true-up deferral from last year's forecast and the sharing deferral from the Company's Lexington renewable natural gas project. After discussions with the Oregon Citizens' Utility Board, the Company has revised the deferral calculation for the Lexington Project Surcharge from the previous Advice filing. The Company is also including a non-combustion-related rate in the Schedule 198 tariff for customers whose usage is not subject to Climate Protection Program compliance.

# **Background:**

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. The Schedule 198 automatic adjustment clause was authorized by the Commission in the Company's last general rate case, UG 435, under Order No. 22-388.

<sup>&</sup>lt;sup>1</sup> 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.

Public Utility Commission of Oregon UG 487; NWN OPUC Advice No. 23-20A September 14, 2023, Page 2

# Proposed Changes

In accordance with OAR 860-022-0025 and 0030, the Company states that the effect of this tariff adjustment schedule is to increase the Company's annual revenues by \$1,054,645 or about .12%. The monthly increase for the average Rate Schedule 2 residential customer using 56 therms is \$0.16, or 0.1%. The monthly increase for the average Rate Schedule 3 commercial customer using 255 therms is \$0.64, or 0.2%, the monthly increase for the average Rate Schedule 27 customer using 44 therms is \$0.10, or 0.1% and the monthly increase for the average commercial Rate Schedule 31 firm sales customer using 2,816 therms is about \$7.03, or 0.2%. The average industrial Rate Schedule 32 firm sales customer using 18,823 therms will see a monthly increase of about \$46.88, or 0.3%. Work papers supporting the rate and bill impact calculations will be separately submitted in electronic format.

The number of customers affected by the proposed change is 636,785 residential customers, and 62,829 commercial and industrial 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

P.U.C. Or. 25

First Revision of Sheet 198-1 Cancels Original Sheet 198-1

# SCHEDULE 198 RENEWABLE NATURAL GAS ADJUSTMENT MECHANISM

## PURPOSE:

The purpose of this Schedule is to identify adjustments to rates in the Rate Schedules listed below for the recovery of the revenue requirement of qualified investments, as defined by ORS 757.392(5), in renewable natural gas (RNG) infrastructure.

This adjustment mechanism will recover the revenue requirement associated with the prudently incurred qualified investments that contribute to the Company meeting the targets set forth in ORS 757.396. For purposes of this Schedule, "qualified investment" has the meaning given that term in ORS 757.392. This Adjustment Schedule is implemented as an automatic adjustment clause as provided for under ORS 757.210 and Oregon Senate Bill 98 (2019) codified as ORS 757.396.

### APPLICABLE:

To All Customers on the Rate Schedules of this Tariff listed below:

Rate Schedule 2	Rate Schedule 31	Rate Schedule 60A/60	(N)
Rate Schedule 3	Rate Schedule 32		. ,
Rate Schedule 27	Rate Schedule 33		

### Application to Rates:

Non-Combustion-Related Rate on Schedule 60A/60: \$(0.00152) per therm	(N)	)
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The per-therm Base Adjustment in the applicable Rate Schedules include the following adjustment:

	All Customers	Effective Date:	(C)
Schedule 198 amortization	\$0.00249	November 1, 2023	(C)(I)

## **SPECIAL CONDITIONS:**

 The Company will file this Schedule by August 1 of each year as necessary to update all charges already included on this schedule as needed. Updating of charges will include updating for the relevant vintage of the revenue requirement for previously included investments and a true-up for actual costs and volumes of previously included costs. This updating of charges will be supported by a deferral application (Schedule 198 Deferral) that will apply to costs recovered through this Schedule 198. The amortization of the Schedule 198 Deferral amount will be subject to an earnings test deadband. Per Order No. 22-388, the deadband is set at 50 basis points below and 50 basis points above authorized ROE.

(continue to Sheet 198-2)

Issued September 14, 2023 NWN OPUC Advice No. 23-20A Effective with service on and after November 1, 2023

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# EXHIBIT A

# BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON

# NW NATURAL SUPPORTING MATERIALS

Inclusion of Costs Associated with Renewable Natural Gas Investments

NWN OPUC Advice No. 23-20A / UG 487

September 14, 2023

# **NW NATURAL**

# EXHIBIT A

# **Supporting Materials**

# Inclusion of Costs Associated with Renewable Natural Gas Investments

# NWN OPUC ADVICE NO. 23-20A / UG 487

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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
151928 Lexington RNG Project Surcharge	6
151930 RNG Adjustment Mechanism Deferral	7
151931 RNG Investment Deferral – Lexington Sharing	8
Determination of Cost of Service	9

Volumes page,         Revenue Sensitive Multiplier:         N/A rev sensitive factor is built in         2.819% add revenue sensitive factor         2.819% add revenue sensitive factor           to all classes and schedules	BH         PH           0         452 5c1.320         \$           0         180.723.276         \$           0         52.5c1.320         \$           0         152.7c1.3276         \$           0         5.242.606         \$           0         10.541.198         \$           0         11.528.55         \$           0         1.150.855         \$           0         1.621.395         \$           0         3.851.855         \$           0         3.851.855         \$           0         3.1802.850         \$           0         1.30848         \$           0         3.1802.850         \$           0         1.3082.850         \$           0         1.088.286         \$           0         3.622.65         \$           0         3.622.65         \$           0         7.308.477         \$           0         7.308.477         \$           0         7.308.477         \$           0         7.308.477         \$           0         7.308.477         \$           0         7.428
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Block 2         10/782.597         10         10/782.597         50.0002         1.0         10/782.597         50.00015         11           Block 3         2.237.011         10         0.237.041         50.0002         1.0         12.879         50.00015         11           Block 4         10.88.28         10.0         1.08.828         50.0002         1.0         10.88.28         50.0005         10         0.88.26         50.00055         11           Block 5         30.66         1.0         0.03.66         50.0002         1.0         0.03.828         50.00055         10         0.88.26         50.00055         10         0.88.26         50.00055         10         0.88.26         50.00055         10         0.00055         10         0.88.26         50.00055         10         0.00055         10         0.00055         10         0.00055         10         0.00055         10         0.00055         10         10.88.28         50.00042         1.0         7.16.501         50.00055         10         2.48.74         50.00055         10         2.48.74         50.00055         10         2.48.74         50.00055         10         2.48.74         50.00055         10         2.48.74         50.00055         <	0 10,782,597 \$ 0 2,237,041 \$ 0 1,038,283 \$ 0 30,625 \$ 0 0 \$ 0 7,308,477 \$ 0 7,116,901 \$ 0 2,428,784 \$
Biok 3         2.237,041         50.0005         1.0         2.237,041         50.00055         1.0         2.237,041         50.00055         1.0	0 2,237,041 \$ 0 1,038,828 \$ 0 30,626 \$ 0 0 \$ 0 \$ 0 \$ 0 7,308,477 \$ 0 7,116,901 \$ 0 2,428,784 \$
Bock 4         1.038,28         1.0         1.038,28         50,0002         1.0         1.038,28         50,00015         1.0           Bock 5         3.0,66         1.0         0.036,26         50,0002         1.0         0.036,26         50,00015         1.0           Bock 6         0         0         0.0002         1.0         0.036,26         50,0002         1.0         0.030035         1.0         0.036,26         50,00015         1.0           321 Fmr Sales         Bock 1         7.36,477         50,0002         1.0         7.36,477         50,0002         1.0         7.36,477         50,00035         1.0         7.36,477         50,0002         1.0         7.36,474         50,00035         1.0         7.36,477         50,0002         1.0         7.36,474         50,00035         1.0         7.36,474         50,00035         1.0         7.36,474         50,00035         1.0         7.36,474         50,00035         1.0         7.36,474         50,00035         1.0         7.36,474         50,00035         1.0         7.36,474         50,00035         1.0         7.36,474         50,00035         1.0         7.36,474         50,00035         1.0         7.36,485         50,00035         1.0         7.36,485	0         1,038,828         \$           0         30,626         \$           0         0         \$           0         7,308,477         \$           0         7,116,901         \$           0         2,428,784         \$
Block 5         30,626         90,025         1.0         30,626         90,00015         1.0           Block 6         0         1.0         90,022         1.0         90,025         1.0         0.0         6,000015         1.0           321 Frm Siles         Block 1         7.308,477         50,0002         1.0         7.308,477         50,0002         1.0         7.308,477         50,00035         1.0         7.308,477         50,00035         1.0         7.308,477         50,00035         1.0         7.308,477         50,00035         1.0         7.308,477         50,00035         1.0         7.308,477         50,00035         1.0         7.308,477         50,00035         1.0         7.308,477         50,00035         1.0         7.308,477         50,00035         1.0         7.308,477         50,00035         1.0         1.62,82,52         50,00035         1.0         1.62,82,52         50,00035         1.0         1.62,82,52         50,00035         1.0         1.62,82,52         50,00035         1.0         1.62,82,52         50,00035         1.0         1.62,82,52         50,00035         1.0         1.62,82,52         50,00035         1.0         1.62,82,52         50,00035         1.0         1.62,82,52         50,00035         1	0 30,626 \$ 0 0 \$ 0 7,308,477 \$ 0 7,116,901 \$ 0 2,428,784 \$
321 Frm Sale         Bick 1         7.308,477         9.000015         1.0         7.308,477         50.00015         1.0           Bick 2         7.116,901         1.0         7.308,477         9.000015         1.0         7.308,477         50.00015         1.0           Bick 3         2.428,784         1.0         7.316,901         1.0         7.316,901         50.00015         1.0         7.308,477         50.00015         1.0         7.328,477         50.00015         1.0         7.328,477         50.00015         1.0         7.328,477         50.00015         1.0         7.328,477         50.00015         1.0         7.328,477         50.00015         1.0         7.328,477         50.00015         1.0         7.328,477         50.00015         1.0         7.328,477         50.00015         1.0         7.328,477         50.00015         1.0         7.328,477         50.00015         1.0         7.328,477         50.00015         1.0         7.328,47         50.00015         1.0         7.328,47         50.00015         1.0         7.328,47         50.00015         1.0         7.328,47         50.00015         1.0         7.328,47         50.00015         1.0         7.328,47         50.00015         1.0         7.328,47         50.00015	0 7,308,477 \$ 0 7,116,901 \$ 0 2,428,784 \$
Biok 2         7,116 901         1.0         7,116 901         9,00002         1.0         7,116 901         9,000015         1.0           Biok 3         2,242,744         1.0         2,428,744         1.00         2,428,744         5,000025         1.0         2,428,744         5,000015         1.0           Biok 4         1,628,252         1.00         1,628,252         5,00002         1.0         1,628,252         5,000015         1.0         2,428,744         5,000015         1.0         1,628,252         5,000015         1.0         1,628,252         5,000015         1.0         1,628,252         5,000015         1.0         1,628,252         5,000015         1.0         1,628,555         5,00002         1.0         0,500002         1.0         0,500002         1.0         0,256,555         5,000035         1.0         2,566,555         5,000035         1.0         2,566,555         5,000035         1.0         2,566,555         5,000035         1.0         2,566,555         5,000035         1.0         2,566,555         5,000035         1.0         2,566,555         5,000035         1.0         2,566,555         5,000035         1.0         2,566,555         5,000035         1.0         2,566,555         5,000035         1.0	0 7,116,901 \$ 0 2,428,784 \$
Biok 3         2.428,784         1.0         2.428,784         50.0002         1.0         2.428,784         50.00055         1.0           Biok 4         1.62,825         1.00         1.628,555         50.0002         1.0         1.624,87,86         50.00055         1.0           Biok 5         1.01         1.04,8255         50.0002         1.0         1.628,555         50.00055         1.0         1.628,555         50.00055         1.0         1.628,555         50.00055         1.0         1.628,555         50.00055         1.0         0.50.00055         1.0           32.7 Fm Tras         Biok 1         2.586,58         0.00042         1.0         2.586,58         50.00055         1.0         0.206,658         50.00055         1.0           Biok 3         713,689         50.0005         1.0         0.206,143         50.00055         1.0         0.206,143         50.00055         1.0         0.206,013         1.0           Biok 4         713,689         50.0002         1.0         96,192         50.0002         1.0         96,192         50.0005         1.0         0.206,134         50.0005         1.0         0.206,134         50.0005         1.0         0.206,134         50.0005         1.0         0.206,	0 2,428,784 \$
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	
Bick 5         '120,463         '100         '120,463         '100         '120,463         '100         '120,463         '100         '120,463         '100         '120,463         '100         '120,463         '100         '120,463         '100         '120,463         '100         '120,463         '100         '120,463 <td>1,002,002 9</td>	1,002,002 9
Back 6         0         1.0         0         5.00042         1.0         0.0         5.00035         1.0         0.0         5.00035         1.0           32 CF mr Tans         Back 2         2.000,143         1.0         0.256,658         5.00035         1.0         0.256,658         50.00035         1.0         2.256,658         50.00035         1.0         2.256,658         50.00035         1.0         2.256,658         50.00035         1.0         2.256,658         50.00035         1.0         0.73,689         50.00015         1.0         0.73,689         50.00015         1.0         0.73,689         50.00015         1.0         0.73,689         50.00015         1.0         0.73,689         50.00015         1.0         0.73,689         50.00015         1.0         0.73,689         50.00015         1.0         0.0015         1.0         0.0015         1.0         0.0015         1.0         0.00015         1.0         0.00015         1.0         0.0015         1.0         0.00015         1.0         0.0015         1.0         0.00015         1.0         0.00015         1.0         0.00015         1.0         0.00015         1.0         0.00015         1.0         0.00015         1.0         0.00015         1.0 <td< td=""><td>0 210.463 \$</td></td<>	0 210.463 \$
Biok 2         2.000,143         1.0         2.000,143         9.00002         1.0         2.000,143         9.000015         1.0           Biok 3         71,3689         1.0         71,3689         1.0         71,3689         50,0002         1.0         71,3689         50,00015         1.0         71,3689         50,00015         1.0         71,3689         50,00015         1.0         71,3689         50,00015         1.0         71,3689         50,00015         1.0         71,3689         50,00015         1.0         908,192         50,00015         1.0         908,192         50,00015         1.0         908,192         50,00015         1.0         908,192         50,00015         1.0         908,192         50,00015         1.0         1.0         1.0         1.0         908,192         50,00015         1.0         1.0         1.0         1.0         0.0         50,0002         1.0         1.0         90,00015         1.0	
Block 3         '713,689         1.0         '713,689         '000021         1.0         '713,689         '000015         1.1           Block 4         091,92         1.0         961,92         500002         1.0         973,689         5000055         1.0         973,689         (5000055         1.0           Block 5         22,788         1.0         22,78         500002         1.0         923,92         5000055         1.0         923,92         (5000055         1.0           321 Firm Trans         Block 1         1.4,91,095         5000055         1.0         1.4,91,095         5000055         1.0         1.4,91,095         (5000055         1.0         1.4,91,095         (5000055         1.0         1.4,91,095         (5000055         1.0         1.4,91,095         (5000055         1.0         1.4,91,095         (5000055         1.0         1.4,91,095         (5000055         1.0         1.6,92,073         (5000015         1.0           Block 1         1.0,683,887         1.0         1.6,83,887         50,0002         1.0         2.3,16,595         50,00035         1.0         1.6,83,87         (5000015)         1.0           Block 5         7.3,1689         1.0         2.3,16,595         50,00032	0 2,586,658 \$
Block 4         906,192         1.0         906,192         900,0002         1.0         906,192         900,00015         1.0           Block 5         2.2,788         1.00         2.2,788         0.00002         1.0         2.2,788         0.000015         1.0         2.2,788         0.000015         1.0           Block 6         0         1.0         0.2,788         0.0002         1.0         0.0         50,00015         1.0           321 f/im Trans         Block 1         1.474,055         1.0         1.474,055         1.0         1.474,055         1.0         1.474,055         1.0         1.474,055         1.0         1.474,055         1.0         1.474,055         1.0         1.474,055         1.0         1.0         1.0,41,055         1.0         1.0         1.0,41,055         1.0         1.0,41,055         1.0         1.0,41,055         1.0         1.0,41,045         1.0         1.0,41,045         1.0         1.0,41,045         1.0         1.0,41,045         1.0         1.0,41,045         1.0         1.0,41,045         1.0         1.0,41,045         1.0         1.0,41,045         1.0         1.0,41,045         1.0         1.0,41,045         1.0         2.1,1,545         1.0         2.1,1,545         1.0,41,045	
Block 5         22,758         50,00042         1.0         22,758         50,00042         1.0         22,758         50,00055         1.0         22,758         50,00055         1.0           321 Firm Trans         Block 1         1,491,095         50,00042         1.0         1,491,095         50,00055         1.0         0         65,000055         1.0           321 Firm Trans         Block 1         1,491,095         50,00054         1.0         1,491,095         50,00055         1.0         1,491,095         50,00055         1.0         1,491,095         50,00055         1.0         1,672,073         50,00055         1.0         1,672,2073         50,00055         1.0         1,672,2073         50,00055         1.0         1,672,2073         50,00055         1.0         1,672,2073         50,00055         1.0         1,672,2073         50,00055         1.0         1,672,2073         50,00055         1.0         1,672,2073         50,00055         1.0         2,21,16,395         50,00055         1.0         2,21,16,395         50,00055         1.0         2,21,16,395         50,00055         1.0         2,21,16,395         50,00055         1.0         2,21,16,395         50,00015         1.0         3,22,16,495         50,00035         1.0	
Block 6         0         1.0         0         9.00002         1.0         0.0         9.000035         1.0         0         0         9.000035         1.0         0.0         9.000035         1.0         0.0         9.000035         1.0         0.0         9.000035         1.0         0.0         9.000035         1.0         0.0         9.000035         1.0         1.1.431.095         5.000035         1.0         1.1.431.095         5.000035         1.0         1.1.431.095         5.000035         1.0         1.1.431.095         5.000035         1.0         1.1.431.095         5.000035         1.0         1.1.431.095         5.000035         1.0         1.1.431.095         5.000035         1.0         1.1.431.095         5.000035         1.0         1.1.431.095         5.000035         1.0         1.0.638.887         5.000035         1.0         1.0.638.887         5.000035         1.0         1.0.638.887         5.000035         1.0         1.0.638.887         5.000042         1.0         2.3.16.595         5.000035         1.0         2.3.16.595         5.000035         1.0         2.3.16.595         5.000035         1.0         2.3.16.595         5.000035         1.0         2.3.16.595         5.000035         1.0         2.3.1.6.195         5.000035	
321 Firm Trans         Bick 1         1.491,095         50.00042         1.0         1.491,095         50.00015         1.0         1.491,095         50.00015         1.0           Bick 2         1672,2073         1.0         1.672,073         50.00042         1.0         1.672,073         50.00015         1.0         1.672,073         50.00015         1.0         1.672,073         50.00015         1.0         1.672,073         50.00015         1.0         1.672,073         50.00015         1.0         1.672,073         50.00015         1.0         1.672,073         50.00015         1.0         1.672,073         50.00015         1.0         1.672,073         50.00015         1.0         1.672,073         50.00015         1.0         1.672,073         50.00015         1.0         1.672,073         50.00015         1.0         1.672,073         50.00015         1.0         2.210,12.44         50.00015         1.0         2.210,12.44         50.00015         1.0         2.2116,595         50.00015         1.0         2.2116,595         50.00015         1.0         2.2116,595         50.00015         1.0         2.2116,595         50.00015         1.0         2.2116,595         50.00015         1.0         2.2116,595         50.00015         1.0         2.2116,595	
Bick 2         16,722,073         S0.00042         1.0         16,722,073         S0.00055         1.0         16,722,073         S0.00055         1.0         16,722,073         S0.00055         1.0         16,722,073         S0.00055         1.0         16,838,875         S0.00055         1.0         12,816,595         S0.00055         1.0         12,816,595         S0.00055         1.0         23,16,595         S0.00055         1.0         23,16,595         S0.00055         1.0         23,16,595         S0.00055         1.0         23,16,195         S0.00055         1.0         23,15,185         S0.00055         1.0 <td></td>	
Block 4         22,101,234         1.0         22,101,234         50,00042         1.0         22,101,234         50,00055         1.0         23,15,185         50,00055         1.0         23,15,185         50,00055         1.0         2	0 16,722,073 \$
Block 5         23,116,595         1.0         23,116,595         50,00042         1.0         23,116,595         50,00015         1.1           Block 6         7,979,725         1.0         7,979,725         1.0         7,979,725         1.0         7,979,725         1.0         7,979,725         1.0         7,979,725         1.0         7,979,725         1.0         7,979,725         1.0         7,979,725         1.0         7,979,725         1.0         7,979,725         1.0         7,979,725         1.0         7,979,725         1.0         7,979,725         1.0         7,979,725         1.0         7,979,725         1.0         4,812,286         50,000,51         1.0         7,979,725         1.0         4,812,286         50,000,55         1.0         4,812,286         50,000,55         1.0         4,812,286         50,000,55         1.0         6,92,175         50,000,55         1.0         6,92,175         50,000,55         1.0         3,915,818         50,000,55         1.0         3,915,818         50,000,55         1.0         3,915,818         50,000,55         1.0         3,915,818         50,000,55         1.0         3,915,918         50,000,55         1.0         3,915,918         50,000,55         1.0         3,915,918         50,000,55	
Block 6         7.997.925         9.00042         1.0         7.997.925         9.00035         1.0         7.997.925         9.00015         1.0           32C InterSides         Block 1         4.812.266         1.0         4.812.266         5.00032         1.0         4.812.865         5.000015         1.0         4.812.865         5.000015         1.0         4.812.865         5.000015         1.0         4.812.865         5.000015         1.0         4.812.865         5.000015         1.0         5.912.175         5.000015         1.0         6.912.175         5.000015         1.0         6.912.175         5.000015         1.0         6.912.175         5.000015         1.0         6.912.175         5.000015         1.0         6.912.175         5.000015         1.0         6.912.175         5.000015         1.0         6.912.175         5.000015         1.0         6.912.175         5.000015         1.0         6.912.175         5.000015         1.0         6.912.175         5.000015         1.0         6.912.175         5.000015         1.0         6.912.175         5.000015         1.0         6.912.175         5.000015         1.0         6.912.175         5.000015         1.0         6.912.917         5.000015         1.0         6.912.917         6	
Block 1         4,812,286         1.0         4,812,286         50,00042         1.0         4,812,286         50,00045         1.0         4,812,286         50,00015         1.0           Block 2         6,921,175         1.0         6,912,175         50,00042         1.0         6,912,175         50,00045         1.0         6,912,175         50,00042         1.0         6,912,175         50,00045         1.0         6,912,175         50,00045         1.0         6,912,175         50,00045         1.0         6,912,175         50,00045         1.0         6,912,175         50,00045         1.0         6,912,175         50,00045         1.0         6,912,175         50,00045         1.0         6,912,175         50,00045         1.0         6,912,175         50,00045         1.0         6,912,175         50,00045         1.0         3,915,818         50,00045         1.0         3,915,818         50,00045         1.0         3,915,818         50,00045         1.0         6,915,667         50,00045         1.0         6,915,667         50,00045         1.0         6,915,667         50,00045         1.0         6,916,675         50,00045         1.0         6,916,967         50,00045         1.0         3,819,903         50,00045         1.0         6,916,96	
Block 2         6 912,175         1.0         6 912,175         \$0.00042         1.0         6 912,175         \$0.00015         1.1           Block 3         3.915,818         1.0         3.915,818         \$0.00042         1.0         3.915,818         \$0.00015         1.0         3.915,818         \$0.00015         1.0         3.915,818         \$0.00015         1.0         3.915,818         \$0.00015         1.0         3.915,818         \$0.00015         1.0         \$0.915,816         \$0.00015         1.0         \$0.915,816         \$0.00015         1.0         \$0.915,816         \$0.00015         1.0         \$0.915,816         \$0.00015         1.0         \$0.915,816         \$0.00015         1.0         \$0.915,816         \$0.00015         1.0         \$0.915,816         \$0.00015         1.0         \$0.915,816         \$0.00015         1.0         \$0.916,917         \$0.00015         1.0         \$0.916,917         \$0.00015         1.0         \$0.916,917         \$0.00015         1.0         \$0.916,917         \$0.00015         1.0         \$0.916,917         \$0.00015         1.0         \$0.916,917         \$0.00015         1.0         \$0.916,917         \$0.00015         1.0         \$0.916,917         \$0.00015         1.0         \$0.916,917         \$0.00015         1.0	
Block 3         3.915,818         1.0         3.915,818         9.000042         1.0         3.915,818         9.000055         1.0         3.915,818         (50.00015)         1.1           Block 4         6,195,667         1.0         6,195,667         50.00035         1.0         6,195,667         (50.00015)         1.0         6,195,667         (50.00015)         1.0         6,195,667         (50.00015)         1.0         6,195,667         (50.00015)         1.0         6,195,667         (50.00015)         1.0         6,195,667         (50.00015)         1.0         6,195,667         (50.00015)         1.0         6,195,667         (50.00015)         1.0         6,195,667         (50.00015)         1.0         6,195,667         (50.00015)         1.0         6,195,667         (50.00015)         1.0         6,195,667         (50.00015)         1.0         6,195,667         (50.00015)         1.0         3,399,903         (50.00015)         1.0         3,399,903         (50.00015)         1.0         3,399,903         (50.00015)         1.0         3,399,903         (50.00015)         1.0         3,399,903         (50.00015)         1.0         3,399,903         (50.00015)         1.0         3,399,903         (50.00015)         1.0         (50.00115)         1.0	
Block 5 3,369,903 1.0 3,369,903 \$0.00042 1.0 3,369,903 \$0.00035 1.0 3,369,903 (\$0.00015 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	
321/nerr5als         Block 1         4,376,544         1.0         4,976,544         50,00042         1.0         4,976,544         50,00015         1.0         4,976,544         50,00015         1.0         6,338,575         50,00015         1.0         6,338,575         50,00012         1.0         6,338,575         50,00015         1.0         6,338,575         50,00012         1.0         6,338,575         50,00015         1.0         6,338,575         50,00015         1.0         6,338,575         50,00015         1.0         6,338,575         50,00015         1.0         6,338,575         50,00015         1.0         6,338,575         50,00015         1.0         6,338,575         50,00015         1.0         6,338,575         50,00015         1.0         6,338,575         50,00015         1.0         6,338,575         50,00015         1.0         6,338,575         50,00015         1.0         6,338,575         50,00015         1.0         6,338,575         50,00015         1.0         6,338,575         50,00015         1.0         6,338,575         50,00015         1.0         6,338,575         50,00015         1.0         6,338,575         50,00015         1.0         6,338,575         50,00015         1.0         6,338,575         50,00015         1.0	
Block 2 6,356,75 1.0 6,356,75 5,000042 1.0 6,356,75 5,000035 1.0 6,354,879 5,000051 1.0 3,824,879 5,00051 1.0 3,824,879 5,00051 1.0 3,874,870 5,00051 1.0 3,874,870 5,00051 1.0 3,874,870 5,00051 1.0 3,874,870 5,00051 1.0 3,8	
Block 4 Just 5,866 1.0 11,455,866 50.00042 1.0 11,455,866 (50.00015) 1.1	
Block 5 6,274,793 1.0 6,274,793 \$0.00042 1.0 6,274,793 \$0.00035 1.0 6,274,793 (\$0.00015) 1.1	
Block 6 1,589,833 1.0 1,589,833 \$0.00042 1.0 1,589,833 \$0.00035 1.0 1,589,833 (\$0.00015 1.0	
J2CinterrTrans         Biok1         787,487         1.0         787,487         50.00042         1.0         787,487         50.00015         1.0         787,487         50.00015         1.0         1.0         787,487         50.00015         1.0         1.0         787,487         50.00015         1.0 <th1.0< th="">         1.0         1.0</th1.0<>	
Bick 2         1,577,765         1.0         1,577,765         50,00042         1.0         1,577,765         50,00035         1.0         1,577,765         50,00015         1.0           Bick 3         946,128         1.0         946,128         50,00042         1.0         946,128         50,00015         1.0         946,128         50,00012         1.0         946,128         50,00015         1.0	
Block 4 3,171,260 1.0 3,171,260 \$0,00042 1.0 3,171,260 \$0,00035 1.0 3,171,260 \$(50,00015) 1.1	
Block 5 653,407 1.0 663,407 50.00042 1.0 663,407 50.00045 1.0 663,407 50.00045 1.0	
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321 Interr Trans Block 1 6,332,023 1.0 6,332,023 \$0.00042 1.0 6,332,023 \$0.00035 1.0 6,332,023 (\$0.00015 1.1	
Biock 2 10,799,708 1.0 10,799,708 50.00042 1.0 10,799,708 50.00035 1.0 10,799,708 (50.00051) 1.0 10,799,708 (50.00051) 1.0 7423918 50.00042 1.0 7423918 50.00042 1.0 7423918 50.00045 1.0 7445 1.0 7445 1.0 7455 1.0 7455 1.0 7455 1.0 7455 1.0 7455 1.0 7455 1.0 745	
Block 3         7,423,918         1.0         7,423,918         50,00042         1.0         7,423,918         50,00015         1.1           Block 4         1,235,563         1.0         1,235,563         1.0         1,223,563         50,00042         1.0         1,223,563         50,00015         1.1	
Block 4 17,25,765 5000042 1.0 17,25,765 5000042 1.0 17,25,765 5000051 1.0 17,25,765 500051 1.0 17,25,765 500000000000000000000000000000000000	
Block 6 98,124,177 1.0 98,124,177 10.00004 1.0 98,124,177 (50.00015) 1.1	
33 0 0.0 0 \$0.0000 0.0 0 \$0.0000 0.0 0 \$0.0000 0.0 0 \$0.0000 0.0	0 0 \$
Special Contracts         50,439,488         1.0         50,439,488         \$0.00035         1.0         50,439,488         \$0.00015         1.1	0 50,439,488 \$
TALS 1,109,206,797 \$ 0,00042 1,109,206,797 \$ 0,00035 1,109,206,797 \$ (0,00015)	1.109.206.797 \$
Normez for line 2 above:         Line 87         Line 89         Line 91         Line 91	1,109,206,797 \$

NW Natural
Rates & Regulatory Affairs
2023-24 PGA - Oregon: September Filing
Effects on Average Bill by Rate Schedule [1]

#### UG 487 - NWN OPUC Advice 23-20A Advice 23-20A

Advice 23-20A

Exhibit A - Supporting Materials Page 2 of 9

	cts on Average Bill		hedule [1]								Advice 23-20A									
ALL 1	VOLUMES IN THER	RMS	0		Manual				Deserved	P	See note [17]	<b>1</b>	Process of	See note [17]	D	B	See note [17]		Deserved	See note [17]
2			Oregon PGA Normalized		Normal Therms	Minimum	3/15/2023	3/15/2023	Proposed 11/1/2023	Proposed 11/1/2023	Proposed 11/1/2023									
2			Normalized		menns	Winningth	3/13/2023	3/13/2023	Lexington	Lexington	Lexington	RNG	RNG	RNG	Lexington	Lexington	Lexington	11/1/2023	11/1/2023	11/1/2023
									Project Initial	Project Initial	Project Initial	Adjustment	Adjustment	Adjustment	Sharing	Sharing	Sharing	Lexington Cost	Lexington Cost	Lexington Cost
3			Volumes page,	Therms in	Monthly	Monthly	Billing	Current	Costs	Costs	Costs	Mechanism	Mechanism	Mechanism	Mechanism	Mechanism	Mechanism	of Service	of Service	of Service
4		-	Column D	Block	Average use	Charge	Rates	Average Bill	Rates	Average Bill	% Bill Change	Rates	Average Bill	% Bill Change	Rates	Average Bill	% Bill Change	Rates	Average Bill	% Bill Change
5								F=D+(C * E)			AJ = (AI- F)/F		AI = D+(C * AH)			AI = D+(C * AH)	AJ = (AI- F)/F		AI = D+(C * AH)	AJ = (AI- F)/F
6	Schedule 2R	Block	A 425,261,320	B N/A	C 56	D \$8.00	E \$1.43686	F \$88.46	AH \$1.43728	AI \$88.49	AJ 0.0%	AH \$1.43721	AI \$88.48	AJ 0.0%	AH \$1.43671	AI \$88.46	AJ 0.0%	AH \$1.43873	AI \$88.57	AJ 0.1%
, 8	3C Firm Sales		180,723,276	N/A	255	\$15.00	\$1.18666	\$317.60	\$1.18708	\$317.71	0.0%	\$1.18701	\$317.69	0.0%	\$1.18651	\$317.56	0.0%	\$1.18853	\$318.08	0.1%
9	31 Firm Sales		5.242.606	N/A	1,304	\$15.00	\$1.13570	\$1,495.95	\$1.13612	\$1,496.50	0.0%		\$1,496,41	0.0%	\$1.13555	\$1,495.76	0.0%	\$1.13757	\$1,498.39	0.2%
10	27 Dry Out		790,225	N/A	44	\$8.00	\$1.16589	\$59.30	\$1.16631	\$59.32	0.0%	\$1.16624	\$59.31	0.0%	\$1.16574	\$59.29	0.0%	\$1.16776	\$59.38	0.1%
11	31C Firm Sales	Block 1	10,541,198	2,000	2,816	\$325.00	\$0.85127	\$2,700.12	\$0.85169	\$2,701.31	0.0%		\$2,701.11	0.0%	\$0.85112	\$2,699.70	0.0%	\$0.85314	\$2,705.39	0.2%
12		Block 2	11,528,162	all additional			\$0.82424		\$0.82466			\$0.82459			\$0.82409			\$0.82611		
13	31C Firm Trans	Block 1	1,150,855	2,000	3,916	\$575.00	\$0.28505	\$1,645.54	\$0.28547	\$1,647.18	0.1%		\$1,646.91	0.1%	\$0.28490	\$1,644.95	0.0%	\$0.28692	\$1,652.86	0.4%
14 15	31I Firm Sales	Block 2 Block 1	1,621,395 3,851,855	all additional 2.000	5,776	\$325.00	\$0.26119 \$0.84102	\$5.095.29	\$0.26161 \$0.84144	\$5,097.71	0.0%	\$0.26154 \$0.84137	\$5,097.31	0.0%	\$0.26104 \$0.84087	\$5,094.42	0.0%	\$0.26306 \$0.84289	\$5.106.09	0.2%
16	311 Fillin Sales	Block 2	8,832,261	all additional	3,770	\$325.00	\$0.81786	\$3,033.29	\$0.81828	\$3,037.71	0.076	\$0.81821	\$3,037.31	0.0%	\$0.81771	\$3,034.42	0.074	\$0.81973	\$5,100.05	0.278
17	31I Firm Trans	Block 1	153,988	2,000	6,161	\$575.00	\$0.24605	\$1,995.36	\$0.24647	\$1,997.95	0.1%		\$1,997.52	0.1%	\$0.24590	\$1,994.43	0.0%	\$0.24792	\$2,006.88	0.6%
18		Block 2	363,573	all additional			\$0.22309		\$0.22351			\$0.22344			\$0.22294			\$0.22496		
19	32C Firm Sales	Block 1	31,802,850	10,000	7,043	\$675.00	\$0.76861	\$6,088.29	\$0.76903	\$6,091.24	0.0%	\$0.76896	\$6,090.75	0.0%	\$0.76846	\$6,087.23	0.0%	\$0.77048	\$6,101.46	0.2%
20		Block 2	10,782,597	20,000			\$0.74322		\$0.74364			\$0.74357			\$0.74307			\$0.74509		
21 22		Block 3 Block 4	2,237,041 1,038,828	20,000 100,000			\$0.70109 \$0.65879		\$0.70151 \$0.65921			\$0.70144 \$0.65914			\$0.70094 \$0.65864			\$0.70296 \$0.66066		
22		Block 5	30,626	600,000			\$0.62840		\$0.62882			\$0.62875			\$0.62825			\$0.66066		
24		Block 6	0	all additional			\$0.61401		\$0.61443			\$0.61436			\$0.61386			\$0.61588		
25	32I Firm Sales	Block 1	7,308,477	10,000	18,823	\$675.00	\$0.73013	\$14,247.56	\$0.73055	\$14,255.47	0.1%	\$0.73048	\$14,254.15	0.0%	\$0.72998	\$14,244.74	0.0%	\$0.73200	\$14,282.76	0.2%
26		Block 2	7,116,901	20,000			\$0.71078		\$0.71120			\$0.71113			\$0.71063			\$0.71265		
27		Block 3	2,428,784	20,000			\$0.67847		\$0.67889			\$0.67882			\$0.67832			\$0.68034		
28		Block 4	1,682,852	100,000			\$0.64624		\$0.64666			\$0.64659			\$0.64609			\$0.64811		
29		Block 5	210,463	600,000			\$0.62372		\$0.62414			\$0.62407			\$0.62357			\$0.62559		
30 31	32C Firm Trans	Block 6 Block 1	0 2.586.658	all additional 10.000	19.973	\$925.00	\$0.61239 \$0.13291	\$3,390,69	\$0.61281 \$0.13333	\$3,399.08	0.2%	\$0.61274 \$0.13326	\$3,397,68	0.2%	\$0.61224 \$0.13276	\$3.387.70	-0.1%	\$0.61426 \$0.13478	\$3.428.04	1.1%
32	SZC FILM Halls	Block 2	2,000,143	20,000	19,973	\$923.00	\$0.11396	\$3,350.05	\$0.11438	\$3,355.08	0.27	\$0.11431	\$3,357.08	0.276	\$0.13270	\$3,387.70	-0.1/6	\$0.11583	\$3,428.04	1.1/6
33		Block 3	713,689	20,000			\$0.08251		\$0.08293			\$0.08286			\$0.08236			\$0.08438		
34		Block 4	908,192	100,000			\$0.05102		\$0.05144			\$0.05137			\$0.05087			\$0.05289		
35		Block 5	22,758	600,000			\$0.03209		\$0.03251			\$0.03244			\$0.03194			\$0.03396		
36		Block 6	0	all additional			\$0.01952		\$0.01994			\$0.01987			\$0.01937			\$0.02139		
37	321 Firm Trans	Block 1 Block 2	11,491,095 16,722,073	10,000 20.000	77,536	\$925.00	\$0.13069 \$0.11214	\$7,487.37	\$0.13111 \$0.11256	\$7,519.93	0.4%	\$0.13104 \$0.11249	\$7,514.50	0.4%	\$0.13054 \$0.11199	\$7,475.74	-0.2%	\$0.13256 \$0.11401	\$7,632.36	1.9%
39		Block 3	10,683,887	20,000			\$0.08125		\$0.08167			\$0.08160			\$0.08110			\$0.08312		
40		Block 4	22,101,234	100,000			\$0.05039		\$0.05081			\$0.05074			\$0.05024			\$0.05226		
41		Block 5	23,116,595	600,000			\$0.03179		\$0.03221			\$0.03214			\$0.03164			\$0.03366		
42		Block 6	7,997,925	all additional			\$0.01948		\$0.01990			\$0.01983			\$0.01933			\$0.02135		
43	32C Interr Sales		4,812,286	10,000	53,859	\$675.00	\$0.74068	\$38,643.34	\$0.74110	\$38,665.96	0.1%		\$38,662.19	0.0%	\$0.74053	\$38,635.26	0.0%	\$0.74255	\$38,744.06	0.3%
44		Block 2 Block 3	6,912,175 3.915.818	20,000 20.000			\$0.71933 \$0.68371		\$0.71975 \$0.68413			\$0.71968 \$0.68406			\$0.71918 \$0.68356			\$0.72120 \$0.68558		
45 46		Block 3 Block 4	3,915,818 6,195,667	100,000			\$0.68371		\$0.68413 \$0.64848			\$0.68406			\$0.68356			\$0.68558		
40		Block 5	3,369,903	600,000			\$0.62665		\$0.62707			\$0.62700			\$0.62650			\$0.62852		
48		Block 6	0	all additional			\$0.61101		\$0.61143			\$0.61136			\$0.61086			\$0.61288		
49	321 Interr Sales	Block 1	4,976,544	10,000	42,886	\$675.00	\$0.72514	\$30,744.73	\$0.72556	\$30,762.74	0.1%		\$30,759.74	0.0%	\$0.72499	\$30,738.30	0.0%	\$0.72701	\$30,824.93	0.3%
50		Block 2	6,358,575	20,000			\$0.70622		\$0.70664		1	\$0.70657		I	\$0.70607		1	\$0.70809		
51 52		Block 3 Block 4	3,824,879	20,000			\$0.67469 \$0.64312		\$0.67511 \$0.64354			\$0.67504 \$0.64347			\$0.67454 \$0.64297			\$0.67656 \$0.64499		
52 53		Block 4 Block 5	11,455,866 6,274,793	100,000 600,000			\$0.64312 \$0.62420		\$0.64354 \$0.62462			\$0.64347 \$0.62455			\$0.64297 \$0.62405			\$0.64499 \$0.62607		
54		Block 5 Block 6	1,589,833	all additional			\$0.62420		\$0.62462			\$0.61068			\$0.62405			\$0.62607		
55	32C Interr Trans		787,487	10,000	198,501	\$925.00	\$0.12584	\$12,252.01	\$0.12626	\$12,335.38	0.7%		\$12,321.49	0.6%	\$0.12569	\$12,222.24	-0.2%	\$0.12771	\$12,623.21	3.0%
56		Block 2	1,577,765	20,000			\$0.10802		\$0.10844			\$0.10837			\$0.10787			\$0.10989		
57		Block 3	946,128	20,000			\$0.07829		\$0.07871			\$0.07864			\$0.07814			\$0.08016		
58		Block 4	3,171,260	100,000			\$0.04854		\$0.04896			\$0.04889			\$0.04839			\$0.05041		
59		Block 5	663,407	600,000			\$0.03070		\$0.03112			\$0.03105			\$0.03055			\$0.03257		
60 61	32I Interr Trans	Block 6 Block 1	0 6,332,023	all additional 10,000	209 965	\$925.00	\$0.01883 \$0.12605	\$12,645.11	\$0.01925 \$0.12647	\$12,733.29	0.7%	\$0.01918 \$0.12640	\$12,718.60	0.6%	\$0.01868 \$0.12590	\$12,613.61	-0.2%	\$0.02070 \$0.12792	\$13,037.74	3.1%
62	ser meen mans	Block 2	10,799,708	20,000	200,900	<i></i>	\$0.10821	\$12,0 <b>-</b> 3.11	\$0.12047	y,, 53.25	0.77	\$0.10856	y12,713.00	5.0%	\$0.12390	÷12,013.01	3.276	\$0.11008	\$13,037.74	5.176
63		Block 3	7,423,918	20,000			\$0.07848		\$0.07890			\$0.07883			\$0.07833			\$0.08035		
64		Block 4	17,235,563	100,000			\$0.04873		\$0.04915			\$0.04908			\$0.04858			\$0.05060		
65		Block 5	38,975,154	600,000			\$0.03090		\$0.03132			\$0.03125			\$0.03075			\$0.03277		
66		Block 6	98,124,177	all additional		630.000.05	\$0.01900	\$38.000.00	\$0.01942	\$38.000.00		\$0.01935	\$38.000.00	l	\$0.01885	\$38.000.00		\$0.02087	\$38.000.00	
67 68	33 Special Contracts		0 50,439,488	N/A N/A	0.0	\$38,000.00 \$0	\$0.00629 \$0.00000	\$38,000.00	\$0.00629 \$0.00042	\$38,000.00		\$0.00629 \$0.00035	\$38,000.00 \$0.00		\$0.00629	\$38,000.00		\$0.00629 \$0.00187	\$38,000.00	
68	special contracts	<b>`</b>	30,439,486	N/A	0	\$U	\$U.UUUUU	ş0.00	şu.uuU42	ş0.00	I	\$U.UUU35	\$U.UC	I	-\$0.00015	ŞU.UU		\$0.00187	ŞU.UQ	

Advice 23-20A

Advice 23,20A

#### 69 70 Totals 1,109,206,797

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

1		Twelve Months Ended 06/30/23	
3	Total Billed Gas Sales Revenues	\$ 977,383,649	
4 5	Total Oregon Revenues	\$ 981,971,599	
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]	\$ 881,388	0.090% Line 8 ÷ Line 4
9			
10	Total		2.819% Sum lines 8-9
11			

11 12

13 <u>Note:</u>

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: September Filing PGA Effects on Revenue UG 487: Renewable Natural Gas Adjustment Mechanism

1		Including Revenue Sensitive <u>Amount</u>
2	Permanent Increments	
3		
4	Removal of Current Permanent Increments	
5	Schedule 198 Amounts	(\$1,719,294)
6		
7	Addition of Proposed Permanent Increments	
8	Schedule 198 Amounts	2,773,939
9		
10		
11	TOTAL OF ALL COMPONENTS OF RATE CHANGES	\$1,054,645
12		
13		
14	2022 Oregon Earnings Test Normalized Total Revenues	\$849,278,042
15		
16	Effect of this filing, as a percentage change (line $11 \div$ line 14)	0.12%

### NW Natural Rates & Regulatory Affairs 2023-2024 PGA Filing - September 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	
	Α	В	C	D	E	F1	F2	G	
-	DENEWARI EC ADJUCTMENT MECHANICM DEFERRALC				E = sum B thru D	5.13%		G = E + F2	
7 8 9 10	RENEWABLES ADJUSTMENT MECHANISM DEFERRALS 151928 LEXINGTON PROJECT SURCHARGE	0	0	0	1,367,852	5.13%	38,306	1,406,158	Amortized over 3 years 468,719 per Order 22-437
	151930 RNG ADJUSTMENT MECHANISM DEFERRAL								
12	Sales Customers	224,351	0	5,156	229,507				
13	Transportation Customers	96,604	0	2,220	98,824				
14	Special Contract Customers	41,395	0	951	42,346				_
15 16	Total	362,349	0	8,328	370,677	5.13%	10,381	381,058	
	151931 LEXINGTON MECHANISM SHARING								
18	Sales Customers	(128,783)	0	(2,960)	(131,743)				
19	Transportation Customers	(20,705)	0	(476)	(21,181)				
20	Special Contract Customers	0	0	0	0				_
21	Total	(149,488)	0	(3,436)	(152,924)	5.13%	(4,283)	(157,207)	

	Company: State: Description: Account Number: Docket:		Northwest Natural Gas Company Oregon LEXINGTON RNG PROJECT SURCHARGE 151928 UG 435, Order 22-388								
	Month/Year	Note	Deferral		Interest Rate	Interest	Activity	Balance			
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)			
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Beginning Balance Jan-22 Feb-22 Mar-22 Apr-22 Jun-22 Jun-22 Jul-22 Aug-22 Sep-22 Oct-22 Nov-22 Dec-22 Jan-23 Feb-23 Mar-23 Apr-23 Jun-23 Jun-23 Jun-23 Jun-23 Jun-23 Sep-23 Oct-23		881,091		6.836% 6.836% 6.836% 6.836% 6.836% 6.836% 6.836% 6.836% 6.836% 6.836% 6.836% 6.130%	- - - - - - - - - - - - - - - - - - -	0.00 0.00	0.00 0.00			
24 25 26 27 28 29 30 31	As of 6/30/23 Revenue Sensitive Return on investm Sharing (UI 451 m To amortize	ent	901,529.93 34,893.62 570,820 (139,392) 1,367,852.08								

Company:	Northwest Natural Gas Company
State:	Oregon
Description:	RNG Adjustment Mechanism Deferral
Account Number:	151930
Docket:	UG 435, Order 22-388

	Month/Year	Rates	Deferral	Transfers	Interest Rate	Interest	Activity	Balance
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	Beginning Balance							0.00
1	Nov-22		(3,734.51)		6.836%	(10.64)	(3,745.14)	(3,745.14)
2	Dec-22		80,777.95		6.836%	208.75	80,986.70	77,241.55
3	Jan-23		34,866.20		6.836%	539.33	35,405.52	112,647.08
4	Feb-23		37,562.25		6.836%	748.70	38,310.95	150,958.03
5	Mar-23		53,895.05		6.836%	1,013.47	54,908.52	205,866.55
6	Apr-23		81,204.10		6.836%	1,404.05	82,608.15	288,474.70
7	May-23		33,102.81		6.836%	1,737.63	34,840.44	323,315.14
8	Jun-23		37,086.64		6.836%	1,947.45	39,034.10	362,349.24
9	Jul-23				6.836%	2,064.18	2,064.18	364,413.42
10	Aug-23				6.836%	2,075.94	2,075.94	366,489.37
11	Sep-23				6.836%	2,087.77	2,087.77	368,577.13
12	Oct-23				6.836%	2,099.66	2,099.66	370,676.79
13			354,760.49			15,916.30		
14								
15								
16								
17		Sales	Transportation	Sp. Contracts				
18		219,652	94,580	40,528	354,761			
19		61.92%	26.66%	11.42%				
20								
21	Interest allocation	4,699	2,023	867				

22	6/30/23 balance	224,351	96,604	41,395	362,349
23	July - Oct 2023 interest	5,156	2,220	951	
24	10/31/23 balance	229,507	98,824	42,346	370,67
25					

Company:Northwest Natural Gas CompanyState:OregonDescription:RNG Investment Deferral - Lexington SharingAccount Number:151931Docket:UI 452, Order 22-211

	Month/Year	Rates	Deferral	Transfers	Interest Rate	Interest	Activity	Balance
	(a)	(b)	(C)	(d)	(e)	(f)	(g)	(h)
	Beginning Bala	ance						
1	Nov-22		(6,025.77)		6.836%	(17.16)	(6,042.93)	(6,042.93)
2	Dec-22		(19,279.27)		6.836%	(89.34)	(19,368.61)	(25,411.54)
3	Jan-23		0.00		6.836%	(144.76)	(144.76)	(25,556.30)
4	Feb-23		0.00		6.836%	(145.59)	(145.59)	(25,701.89)
5	Mar-23		(50,959.75)		6.836%	(291.57)	(51,251.31)	(76,953.20)
6	Apr-23		0.00		6.836%	(438.38)	(438.38)	(77,391.58)
7	May-23		0.00		6.836%	(440.87)	(440.87)	(77,832.45)
8	Jun-23		(71,010.39)		6.836%	(645.65)	(71,656.03)	(149,488.48)
9	Jul-23				6.836%	(851.59)	(851.59)	(150,340.07)
10	Aug-23				6.836%	(856.44)	(856.44)	(151,196.51)
11	Sep-23				6.836%	(861.32)	(861.32)	(152,057.82)
12	Oct-23				6.836%	(866.22)	(866.22)	(152,924.05)
13			(147,275.17)		_	(5,648.87)		
14								
15								
16			Sales	Transportation	Sp. Contracts			
17			(21,800.15)	(3,504.89)				
18								
19								
20			(43,901.54)	(7,058.21)				
21								
22			-	-				
23			(61,175.05)	(9,835.34)				
24			(126,876.74)	(20,398.44)	-	(147,275.18)		
25			86.15%	13.85%				
26								
27		allocation	(1,907)	(307)	-			
28		23 balance	(128,783)	(20,705)	-	(149,488)		
29	July - Oct 20	23 interest	(2,960)	(476)	-			
30	10/31/	23 balance	(131,743)	(21,181)	-	(152,924)		

## NW Natural

Determination of Cost of Service

UG 487 - Schedule 198 - Lexington RNG Year 2 Cost of Service

1		Year 2	Combined Overall Tax Rate (OR & Fed)	27.004%		
2			Property Tax Rate	1.500%		
3	Depreciation	324,878	Franchise Taxes	2.299%		
4	O&M	905,109	Commission Fee	0.430%	2.819% '	> (rev sens rate)
5	Property Taxes	127,126	Uncollectible Rate	0.090%		
6						
7	Taxes on Equity Return			Capital		
8	State and Federal Income Taxes	142,608		Structure	Rates	Post-Tax
9	Total Taxes	142,608				
10			Long-Term Debt	50.000%	4.271%	2.136%
11	Return on Rate Base		Common Equity	50.000%	9.400%	4.700%
12	Debt and Equity Return	518,272	ROR			6.836%
13	Total Return	518,272				
14						
15	Subtotal Cost of Service	2,017,993	Bonus Depreciation? NO	0%>	At 0%, no bonus dep	reciation.
16	Revenue Sensitive Items	56,882	Non-Bonus	100%		
17						
18	Total Cost of Service - Annual	\$2,074,875				