

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

August 1, 2024

NWN OPUC Advice No. 24-09 / UG \_\_\_\_\_ (UM 1750)

#### **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 AMORTIZATION OF DEFERRED WARM ADJUSTMENTS EXCEEDING THE PROGRAM CAPS AND FLOORS, RELATING TO: UM 1750 - WARM Program

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, 2024, as follows:

Eleventh Revision of Sheet 195-1	Schedule 195	Weather Adjusted Rate Mechanism (WARM Program)
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## **Purpose**

The purpose of this filing is to request amortization of amounts deferred under docket UM 1750 for inclusion in rates effective November 1, 2024. The Company's previous filing revising rates for this purpose was effective November 1, 2023.

#### 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. All of the deferrals included in this filing occurred with appropriate application by Commission authorization, as rate orders or under approved tariffs.

#### **Proposed Changes**

The effect of the application of the new temporary adjustments is to increase the Company's annual revenues by \$5,631,977, or about 0.58%. In accordance with the Commission's order adopting the Parties' stipulation in UM 1750, the amounts will be recovered on an equal-cents-per-therm basis to rate schedules 2 and 3 customers over 12 months.

The monthly bill of the average residential customer served under Rate Schedule 2 using 55 therms will increase by \$0.55, and the monthly increase for the average commercial Rate Schedule 3 customer using 251 therms per month is about \$1.88.

<sup>&</sup>lt;sup>1</sup> Tariff P.U.C. Or. 25 originated November 1, 2012 with Docket UG 221; OPUC Order No. 12-408 as supplemented by Order No. 12-437 and was filed pursuant to ORS 767.205 and OAR 860-022-0005.

Public Utility Commission of Oregon UG\_\_\_; NWN OPUC Advice No. 24-09 August 1, 2024, Page 2

The proposed adjustments for the amortization of the WARM account are \$0.00689 per therm for residential Rate Schedule 2 customers and (\$0.00044) per therm for commercial Rate Schedule 3 customers. A worksheet showing all of the rate adjustments can be found in Exhibit A to this filing.

In compliance with OAR 860-022-0025, the Company states that the number of customers affected by the proposed change is 640,507 residential customers and 59,212 commercial 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

## NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Eleventh Revision of Sheet 195-1 Cancels Tenth Revision of Sheet 195-1

## SCHEDULE 195 WEATHER ADJUSTED RATE MECHANISM (WARM Program)

#### **PURPOSE:**

To describe the Weather Adjusted Rate Mechanism (WARM) adopted by the Public Utility Commission of Oregon in Docket UG 221, Order No. 12-408 entered October 26, 2012, as modified in Docket UM 1750 by Commission Order No. 16-223 entered June 20, 2016.

#### **APPLICABLE:**

To Residential and Commercial Customers served on the following Rate Schedules of this Tariff:

|--|

#### **APPLICATION TO RATE SCHEDULES:**

The WARM Adjustment will be applied as an adjustment to the per-therm Billing Rate on applicable Residential and Commercial Customer bills issued during the WARM Period. The WARM Period covers bills that are generated based on meters read on or after December 1<sup>st</sup> and on or before May 15<sup>th</sup>.

#### **SPECIAL CONDITIONS:**

- The WARM Adjustment will apply to Customer bills that are based on applicable Residential Rate Schedule 2 or Commercial Rate Schedule 3 meters read on or after December 1<sup>st</sup> and on or before May 15<sup>th</sup>.
- 2. Residential bills --The maximum WARM Adjustment (increase or decrease) that will be made to any regular monthly bill during the WARM Period will be twelve dollars (\$12.00), or twenty-five percent (25%) of the usage portion of that bill, whichever is less. For any billing period in which the total monthly WARM adjustment exceeds either \$12.00 or 25% of the usage, the balance of the WARM adjustment will be deferred in accordance with Special Condition 4.
- 3. Commercial bills--The maximum WARM Adjustment (increase or decrease) that will be added to any regular monthly bill during the WARM Period will be thirty-five dollars (\$35.00), or twenty-five percent (25%) of the usage portion of that bill, whichever is less. For any billing period in which the total monthly WARM adjustment exceeds either thirty-five dollars or 25% of the usage, the balance of the WARM adjustment will be deferred in accordance with Special Condition 4.
- 4. Any amounts not applied to a Residential or Commercial Customer's bill during the WARM Period due to the caps and floor described in Special Conditions 2 and 3 will be set aside in a respective Residential or Commercial WARM deferral account. Each year, concurrent with the Company's annual Purchased Gas Adjustment (PGA) filing, the balance in the Residential and Commercial WARM deferral accounts will be collected from or credited to all Rate Schedule 2 and Rate Schedule 3 customers, respectively, on an equal cent-per-therm basis. The adjustment included in the Temporary Adjustments reflected in the above-listed Rate Schedules effective November 1, 2024 are:

Rate Schedule 2: \$0.00689

Rate Schedule 3: \$(0.00044)

(C)

(I)

(R)

(continue to Sheet 195-2)

Issued August 1, 2024 NWN OPUC Advice No. 24-09 Effective with service on and after November 1, 2024

## **EXHIBIT A**

# BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON

## NW NATURAL SUPPORTING MATERIALS

Non-Gas Cost Deferral Amortizations
WARM
UM 1750

NWN OPUC Advice No. 24-09 / UG \_\_\_\_ August 1, 2024

## **NW NATURAL**

## **EXHIBIT A**

## **Supporting Materials**

## Non-Gas Cost Deferral Amortizations

## **WARM**

## NWN OPUC ADVICE NO. 24-09 / UG \_\_\_\_

Description	Page
Calculation of Increments Allocated on Equal Cent per Therm Basis	1
Effects on Average Bill by Rate Schedule	2
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Summary of Deferred Accounts Included in the PGA	5
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**NW Natural** 

Rates & Regulatory Affairs

2024-25 PGA - Oregon: August Filing

Calculation of Increments Allocated on the EQUAL CENT PER THERM BASIS

ALL VOLUMES IN THERMS

70 TOTALS

1,098,129,249

ALL VOI	LUMES IN THERMS					WARM Residentia	ıl		WARM Commerci	al
2			Oregon PGA	Proposed Amount:	2,914,035	Temporary Increm			Temporary Increm	
3			Volumes page,	Revenue Sensitive Multiplier:	N/A	rev sensitive facto	r is built in	N/A	rev sensitive facto	r is built in
4			Column F	Amount to Amortize:	2,914,035	to residential		(79,021)	to commercial 3	
5 6	Schedule	Block	A		Multiplier AF	Volumes AG	Increment AH	Multiplier Al	Volumes AJ	Increment AK
7	2R	DIOCK	423,059,269	1	1.0	423,059,269	\$0.00689	0.0	0	\$0.00000
8	3C Firm Sales		178,618,735		0.0	0	\$0.00000	1.0	178,618,735	(\$0.00044)
9	31 Firm Sales		5,103,738		0.0	0	\$0.00000	0.0	0	\$0.00000
10	27 Dry Out		742,733		0.0	0	\$0.00000	0.0	0	\$0.00000
11 12	31C Firm Sales	Block 1 Block 2	12,281,908 10,043,265		0.0	0	\$0.00000 \$0.00000	0.0 0.0	0	\$0.00000 \$0.00000
13	31C Firm Trans	Block 1	1,267,742	-	0.0	0	\$0.00000	0.0	0	\$0.00000
14		Block 2	1,392,960		0.0	0	\$0.00000	0.0	0	\$0.00000
15	31I Firm Sales	Block 1	3,698,785		0.0	0	\$0.00000	0.0	0	\$0.00000
16		Block 2	7,639,515	4	0.0	0	\$0.00000	0.0	0	\$0.00000
17 18	31I Firm Trans	Block 1 Block 2	144,356 351,741		0.0	0	\$0.00000 \$0.00000	0.0 0.0	0	\$0.00000 \$0.00000
19	32C Firm Sales	Block 1	34,618,514	-	0.0	0	\$0.00000	0.0	0	\$0.00000
20		Block 2	9,360,621		0.0	0	\$0.00000	0.0	0	\$0.00000
21		Block 3	1,566,490		0.0	0	\$0.00000	0.0	0	\$0.00000
22		Block 4	544,281		0.0	0	\$0.00000	0.0	0	\$0.00000
23		Block 5	0		0.0	0	\$0.00000	0.0	0	\$0.00000 \$0.00000
24 25	32I Firm Sales	Block 6 Block 1	8,547,588	-	0.0	0	\$0.00000	0.0	0	\$0.00000
26	32111111 Jules	Block 2	7,603,172		0.0	0	\$0.00000	0.0	0	\$0.00000
27		Block 3	2,763,251		0.0	0	\$0.00000	0.0	0	\$0.00000
28		Block 4	3,005,494		0.0	0	\$0.00000	0.0	0	\$0.00000
29		Block 5	195,767		0.0	0	\$0.00000	0.0	0	\$0.00000
30 31	32C Firm Trans	Block 6 Block 1	2,721,537	-	0.0	0	\$0.00000 \$0.00000	0.0	0	\$0.00000 \$0.00000
32	32C FIIIII II alis	Block 2	2,020,003		0.0	0	\$0.00000	0.0	0	\$0.00000
33		Block 3	707,839		0.0	0	\$0.00000	0.0	0	\$0.00000
34		Block 4	869,038		0.0	0	\$0.00000	0.0	0	\$0.00000
35		Block 5	0		0.0	0	\$0.00000	0.0	0	\$0.00000
36	32I Firm Trans	Block 6	11.657.703	-	0.0	0	\$0.00000	0.0	0	\$0.00000
37 38	321 Firm Trans	Block 1 Block 2	11,657,702 17,056,306		0.0	0	\$0.00000 \$0.00000	0.0	0	\$0.00000 \$0.00000
39		Block 3	10,569,490		0.0	0	\$0.00000	0.0	0	\$0.00000
40		Block 4	22,324,991		0.0	0	\$0.00000	0.0	0	\$0.00000
41		Block 5	22,115,808		0.0	0	\$0.00000	0.0	0	\$0.00000
42		Block 6	7,865,614		0.0	0	\$0.00000	0.0	0	\$0.00000
43 44	32C Interr Sales	Block 1 Block 2	4,649,733 6,816,872		0.0	0	\$0.00000 \$0.00000	0.0 0.0	0	\$0.00000 \$0.00000
45		Block 3	3,782,502		0.0	0	\$0.00000	0.0	0	\$0.00000
46		Block 4	5,561,835		0.0	0	\$0.00000	0.0	0	\$0.00000
47		Block 5	3,284,822		0.0	0	\$0.00000	0.0	0	\$0.00000
48		Block 6	0	4	0.0	0	\$0.00000	0.0	0	\$0.00000
49 50	32I Interr Sales	Block 1	4,653,469 6,055,122		0.0	0	\$0.00000	0.0	0	\$0.00000 \$0.00000
51		Block 2 Block 3	3,505,859		0.0	0	\$0.00000 \$0.00000	0.0 0.0	0	\$0.00000
52		Block 4	9,726,364		0.0	0	\$0.00000	0.0	0	\$0.00000
53		Block 5	4,171,536		0.0	0	\$0.00000	0.0	0	\$0.00000
54		Block 6	0		0.0	0	\$0.00000	0.0	0	\$0.00000
55	32C Interr Trans	Block 1	822,778		0.0	0	\$0.00000	0.0	0	\$0.00000
56 57		Block 2 Block 3	1,679,150 978,518		0.0	0	\$0.00000 \$0.00000	0.0 0.0	0	\$0.00000 \$0.00000
58		Block 4	3,232,735		0.0	0	\$0.00000	0.0	0	\$0.00000
59		Block 5	472,307		0.0	0	\$0.00000	0.0	0	\$0.00000
60		Block 6	0		0.0	0	\$0.00000	0.0	0	\$0.00000
61	32I Interr Trans	Block 1	6,144,023		0.0	0	\$0.00000	0.0	0	\$0.00000
62		Block 2	10,403,074		0.0	0	\$0.00000	0.0	0	\$0.00000
63 64		Block 3 Block 4	6,958,044 15,417,391		0.0	0 0	\$0.00000 \$0.00000	0.0 0.0	0	\$0.00000 \$0.00000
65		Block 5	35,960,832		0.0	0	\$0.00000	0.0	0	\$0.00000
66		Block 6	99,266,501		0.0	0	\$0.00000	0.0	0	\$0.00000
67	33		0		0.0	0	\$0.00000	0.0	0	\$0.00000
68	Special Contracts		54,127,531		0.0	0	\$0.00000	0.0	0	\$0.00000
69										

423,059,269 \$ 0.00689

178,618,735 \$ (0.00044)

UG \_\_\_\_ - NWN OPUC Advice No. 24-09 Exhibit A - Supporting Materials Page 1 of 9

Advice 24-09 See note [7]

ALL V	OLUMES IN THERN	13									See note [7]
1			Oregon PGA		Normal				Proposed	Proposed	Proposed
2			Normalized		Therms	Minimum	11/1/2023	11/1/2023	11/1/2024	11/1/2024	11/1/2024
									Schedule 195	Schedule 195	Schedule 195
3			Volumes page,	Therms in	Monthly	Monthly	Billing	Current	WARM	WARM	WARM
							_				
4		_	Column D	Block	Average use	Charge	Rates	Average Bill	Rates	Average Bill	% Bill Change
5			_	_	_	_	_	F=D+(C * E)		W = D+(C * V)	X = (W - F)/F
7	Schedule 2R	Block	A 423,059,269	B N/A	<b>C</b> 55	\$8.00	\$1.29519	F \$79.24	\$1.30530	<b>W</b> \$79.79	X 0.7%
8	3C Firm Sales		178,618,735	N/A	251	\$15.00	\$1.08753	\$287.97	\$1.09500	\$289.85	0.7%
9	3I Firm Sales		5,103,738	N/A	1,255	\$15.00	\$1.05830	\$1,343.17	\$1.05830	\$1,343.17	0.0%
10	27 Dry Out		742,733	N/A	37	\$8.00	\$1.08605	\$48.18	\$1.08605	\$48.18	0.0%
11	31C Firm Sales	Block 1	12,281,908	2,000	2,827	\$325.00	\$0.75920	\$2,447.92	\$0.75920	\$2,447.92	0.0%
12		Block 2	10,043,265	all additional			\$0.73098	4	\$0.73098		
13 14	31C Firm Trans	Block 1 Block 2	1,267,742 1,392,960	2,000 all additional	3,758	\$575.00	\$0.29503 \$0.26998	\$1,639.68	\$0.29503 \$0.26998	\$1,639.68	0.0%
15	31I Firm Sales	Block 1	3,698,785	2,000	5,430	\$325.00	\$0.74421	\$4,283.47	\$0.26998	\$4,283.47	0.0%
16	5211111150105	Block 2	7,639,515	all additional	3,130	<b>\$323.00</b>	\$0.72013	V-1,2001-17	\$0.72013	Ų-1,2001-17	0.07
17	31I Firm Trans	Block 1	144,356	2,000	6,890	\$575.00	\$0.25351	\$2,204.08	\$0.25351	\$2,204.08	0.0%
18		Block 2	351,741	all additional			\$0.22946		\$0.22946		
19	32C Firm Sales	Block 1	34,618,514	10,000	7,386	\$675.00	\$0.67131	\$5,633.30	\$0.67131	\$5,633.30	0.0%
20		Block 2	9,360,621	20,000			\$0.64449		\$0.64449		
21 22		Block 3 Block 4	1,566,490 544,281	20,000 100,000			\$0.59997 \$0.55528		\$0.59997 \$0.55528		
23		Block 5	0	600,000			\$0.52318		\$0.55328		
24		Block 6	0	all additional			\$0.50796		\$0.50796		
25	32I Firm Sales	Block 1	8,547,588	10,000	20,942	\$675.00	\$0.62727	\$13,593.87	\$0.62727	\$13,593.87	0.0%
26		Block 2	7,603,172	20,000			\$0.60740		\$0.60740		
27		Block 3	2,763,251	20,000			\$0.57416		\$0.57416		
28		Block 4	3,005,494	100,000			\$0.54104		\$0.54104		
29		Block 5	195,767	600,000			\$0.51791		\$0.51791		
30	22C Firm T	Block 6	0 2724 527	all additional	10 501	ć025 00	\$0.50628	ć2 227 20	\$0.50628	ć2 227 20	0.0%
31 32	32C Firm Trans	Block 1 Block 2	2,721,537 2,020,003	10,000 20,000	19,501	\$925.00	\$0.13325 \$0.11366	\$3,337.38	\$0.13325 \$0.11366	\$3,337.38	0.0%
33		Block 3	707,839	20,000			\$0.08114		\$0.08114		
34		Block 4	869,038	100,000			\$0.04857		\$0.04857		
35		Block 5	0	600,000			\$0.02899		\$0.02899		
36		Block 6	0	all additional			\$0.01601		\$0.01601		
37	32I Firm Trans	Block 1	11,657,702	10,000	75,569	\$925.00	\$0.13029	\$7,266.47	\$0.13029	\$7,266.47	0.0%
38 39		Block 2 Block 3	17,056,306 10,569,490	20,000 20,000			\$0.11125 \$0.07953		\$0.11125 \$0.07953		
40		Block 4	22,324,991	100,000			\$0.04783		\$0.07933		
41		Block 5	22,115,808	600,000			\$0.02874		\$0.02874		
42		Block 6	7,865,614	all additional			\$0.01613		\$0.01613		
43	32C Interr Sales	Block 1	4,649,733	10,000	51,487	\$675.00	\$0.64462	\$32,098.38	\$0.64462	\$32,098.38	0.0%
44		Block 2	6,816,872	20,000			\$0.62250		\$0.62250		
45 46		Block 3	3,782,502	20,000			\$0.58557		\$0.58557		
46 47		Block 4 Block 5	5,561,835 3,284,822	100,000 600,000			\$0.54861 \$0.52644		\$0.54861 \$0.52644		
48		Block 6	0	all additional			\$0.51023		\$0.51023		
49	32I Interr Sales	Block 1	4,653,469	10,000	42,594	\$675.00	\$0.62793	\$26,377.14	\$0.62793	\$26,377.14	0.0%
50		Block 2	6,055,122	20,000			\$0.60846		\$0.60846		
51		Block 3	3,505,859	20,000			\$0.57596		\$0.57596		
52		Block 4	9,726,364	100,000			\$0.54347		\$0.54347		
53 54		Block 5	4,171,536 0	600,000			\$0.52396		\$0.52396		
55	32C Interr Trans	Block 6 Block 1	822,778	all additional 10,000	199,597	\$925.00	\$0.50968 \$0.12471	\$11,732.30	\$0.50968 \$0.12471	\$11,732.30	0.0%
56	223	Block 2	1,679,150	20,000	133,337	Ç323.00	\$0.10645	Ų11,7 J2.JU	\$0.10645	<i>411,.</i> 52.50	3.07
57		Block 3	978,518	20,000			\$0.07601		\$0.07601		
58		Block 4	3,232,735	100,000			\$0.04557		\$0.04557		
59		Block 5	472,307	600,000			\$0.02730		\$0.02730		
60	221 Into T	Block 6	6 144 022	all additional	100 001	ć025.00	\$0.01517	¢11 021 40	\$0.01517	ć11 031 4C	0.00
61 62	32I Interr Trans	Block 1 Block 2	6,144,023 10,403,074	10,000 20,000	198,801	\$925.00	\$0.12543 \$0.10713	\$11,821.46	\$0.12543 \$0.10713	\$11,821.46	0.0%
63		Block 3	6,958,044	20,000			\$0.10713		\$0.10713		
64		Block 4	15,417,391	100,000			\$0.04610		\$0.04610		
65		Block 5	35,960,832	600,000			\$0.02781		\$0.02781		
66		Block 6	99,266,501	all additional			\$0.01563		\$0.01563		
67	33		0 54,127,531	N/A N/A	0.0	\$38,000.00	\$0.00862	\$38,000.00	\$0.00862	\$38,000.00	
68	Special Contracts				0	\$0	\$0.00544		\$0.00544		

70

## NW Natural Rates and Regulatory Affairs 2024-2025 PGA Filing - OREGON Basis for Revenue Related Costs

		Twelve Months	
1		Ended 06/30/24	
2			
3	Total Billed Gas Sales Revenues	\$ 920,096,835	
4	Total Oregon Revenues	\$ 925,565,009	
5			
6	Regulatory Commission Fees [1]	n/a	0.450% Statutory rate
7	City License and Franchise Fees	\$ 21,672,271	2.342% Line 7 ÷ Line 4
8	Net Uncollectible Expense [2]	\$ 845,048	0.091% Line 8 ÷ Line 4
9			
10	Total	_	<b>2.883%</b> 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 0.450%, 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.

Not Including

NW Natural Rates & Regulatory Affairs

2024-2025 PGA Filing - Oregon: August Filing

PGA Effects on Revenue Schedule 195: WARM

1		Revenue Sensitive  Amount
2	Temporary Increments	
3		
4	Removal of Current Temporary Increments	
5	Amortization of WARM (Residential & Commercial)	2,796,963
6		
7		
8	Addition of Proposed Temporary Increments	
9	Amortization of WARM (Residential & Commercial)	2,835,014
10		
11		
12	TOTAL OF ALL COMPONENTS OF RATE CHANGES	<u>\$5,631,977</u>
13		
14		
15		
16 17	2023 Oregon Earnings Test Normalized Total Revenues	\$975,829,919
18	Effect of this filing, as a percentage change (line 12 $\div$ line 16)	0.58%

Total

NW Natural
Rates & Regulatory Affairs
2024-2025 PGA Filing - June Filing
Summary of Deferred Accounts Included in the PGA

	Account	Balance 6/30/2024	Jul-Oct Estimated Activity	Jul-Oct Interest	Estimated Balance 10/31/2024	Interest Rate During Amortization	Estimated Interest During Amortization	Estimated Amount for (Refund) or Collection
	A	В	С	D	E	F1	F2	G
	151832 RESIDENTIAL WARM AMORTIZATION 151830 RESIDENTIAL WARM DEFERRAL	(309,239) 2,912,570	168,789 0	(4,194) 62,634	E = sum B thru D (144,644) 2,975,204	5.40%		G = E + F2
30 31	· · · · · · ·	2,603,332	168,789	58,439	2,830,560	5.40%	83,475	2,914,035
	151836 COMMERCIAL WARM AMORTIZATION 151834 COMMERCIAL WARM DEFERRAL	(285,506) 1,722	210,346 0	(3,356) 37	(78,516) 1,759			
34	Total	(283,784)	210,346	(3,319)	(76,757)	5.40%	(2,264)	(79,021)

State: Oregon

Description: OR Deferred WARM-Residential

Account Number: 151830

Docket: Docket UM 1798

Last authorization to defer granted in Order 22-391

Debit (Credit)

2	
_	
2	

5								
4	Month/Year	Note	Deferral	Transfers	Interest Rate	Interest	Activity	Balance
5	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
6								
7	Beginning Balar	ice						
92	Jul-23		335.50		6.13%	(6,612.07)	(6,276.57)	(1,300,814.07)
93	Aug-23		449.56		6.13%	(6,643.84)	(6,194.28)	(1,307,008.35)
94	Sep-23		216.87		6.13%	(6,676.08)	(6,459.21)	(1,313,467.56)
95	Oct-23		225.33		6.13%	(6,709.05)	(6,483.72)	(1,319,951.28)
96	Nov-23	1	95.74	1,321,192.59	6.13%	6.59	1,321,294.92	1,343.64
97	Dec-23		447,177.64		6.13%	1,149.03	448,326.67	449,670.31
98	Jan-24		700,424.98		6.40%	4,266.04	704,691.02	1,154,361.33
99	Feb-24		368,427.61		6.40%	7,139.07	375,566.68	1,529,928.01
100	Mar-24		196,568.88		6.40%	8,683.80	205,252.68	1,735,180.69
101	Apr-24		993,314.01		6.40%	11,903.13	1,005,217.14	2,740,397.83
102	May-24		142,164.82		6.40%	14,994.56	157,159.38	2,897,557.21
103	Jun-24		(439.48)		6.40%	15,452.47	15,012.99	2,912,570.20
104	Jul-24				6.40%	15,533.71	15,533.71	2,928,103.91
105	Aug-24				6.40%	15,616.55	15,616.55	2,943,720.46
106	Sep-24				6.40%	15,699.84	15,699.84	2,959,420.30
107	Oct-24				6.40%	15,783.57	15,783.57	2,975,203.87

## 110 History truncated for ease of viewing

## 112 **NOTES**

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113 **1**-Transferred June balance plus July-October interest on June balance to account 151832 for amortization.

State: Oregon

Description: Amort WARM Residential

Account Number: 151832

Dockets UM 1798 and UG 477

Amortization of WARM adjustment approved in Order 23-400

	Month/Year	Note	Amortization	Transfers	Interest Rate	Interest	Activity	Balance
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1 E	Beginning Balance							
79	Jul-23		(9,279.23)		1.82%	63.88	(9,215.35)	37,541.80
80	Aug-23		(7,553.16)		1.82%	51.21	(7,501.95)	30,039.85
81	Sep-23		(8,213.54)		1.82%	39.33	(8,174.21)	21,865.64
82	Oct-23		(12,888.32)		1.82%	23.39	(12,864.93)	9,000.71
83	Nov-23 (	Old rates	(17,990.02)		1.82%	0.01	(17,990.01)	(8,989.30)
84	Nov-23 N	New rates (1)	46,465.68	(1,321,192.59)	5.13%	(5,548.78)	(1,280,275.69)	(1,289,264.99)
85	Dec-23		180,358.66	, , ,	5.13%	(5,126.09)	175,232.57	(1,114,032.42)
86	Jan-24		223,746.76		5.13%	(4,284.23)	219,462.53	(894,569.89)
87	Feb-24		185,233.78		5.13%	(3,428.35)	181,805.43	(712,764.46)
88	Mar-24		167,318.94		5.13%	(2,689.42)	164,629.52	(548,134.94)
89	Apr-24		109,962.53		5.13%	(2,108.23)	107,854.30	(440,280.64)
90	May-24		82,663.87		5.13%	(1,705.51)	80,958.36	(359,322.28)
91	Jun-24		51,509.68		5.13%	(1,426.00)	50,083.68	(309,238.60)
92	Jul-24 /	Forecasted	30,989.72		5.13%	(1,255.75)	29,733.97	(279,504.63)
93	Aug-24 /	Forecasted	27,099.78		5.13%	(1,136.96)	25,962.82	(253,541.81)
94	Sep-24 /	Forecasted	31,287.01		5.13%	(1,017.02)	30,269.99	(223,271.82)
95	Oct-24 /	Forecasted	79,412.51		5.13%	(784.74)	78,627.77	(144,644.05)
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99 History truncated for ease of viewing

#### 101 **NOTES**

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102 1 - Transferred in authorized balance from account 151830 WARM-Res Deferral for amortization.

State: Oregon

Description: OR Deferred WARM-Commercial

Account Number: 151834

Docket: Docket UM 1798

Last authorization to defer granted in Order 22-391

Debit (Credit)

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4	Month/Year	Note	Deferral	Transfers	Interest Rate	Interest	Activity	Balance
5	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
6								
7	Beginning Ba	lance						
92	Jul-23		243.08		6.13%	(6,679.50)	(6,436.42)	(1,314,127.22)
93	Aug-23		309.61		6.13%	(6,712.21)	(6,402.60)	(1,320,529.82)
94	Sep-23		156.81		6.13%	(6,745.31)	(6,588.50)	(1,327,118.32)
95	Oct-23		280.01		6.13%	(6,778.65)	(6,498.64)	(1,333,616.96)
96	Nov-23	1	308.49	1,334,616.72	6.13%	5.90	1,334,931.11	1,314.15
97	Dec-23		111.50		6.13%	7.00	118.50	1,432.65
98	Jan-24		(5.91)		6.40%	7.63	1.72	1,434.37
99	Feb-24		(8.51)		6.40%	7.63	(0.88)	1,433.49
100	Mar-24		(9.84)		6.40%	7.62	(2.22)	1,431.27
101	Apr-24		126.30		6.40%	7.97	134.27	1,565.54
102	May-24		138.70		6.40%	8.72	147.42	1,712.96
103	Jun-24		-		6.40%	9.14	9.14	1,722.10
104	Jul-24				6.40%	9.18	9.18	1,731.28
105	Aug-24				6.40%	9.23	9.23	1,740.51
106	Sep-24				6.40%	9.28	9.28	1,749.79
107	Oct-24				6.40%	9.33	9.33	1,759.12

## 110 History truncated for ease of viewing

112 **1** -Transferred June balance plus July-October interest on June balance to account 151836 for amortization.

State: Oregon

Description: Amort WARM Commercial

Account Number: 151836

Dockets UM 1798 and UG 477

Amortization of WARM adjustment approved in Order 23-400

	Month/Year	Note	Amortization	Transfers	Interest Rate	Interest	Activity	Balance
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	Beginning Balance							
79	Jul-23		(12,770.92)		1.82%	1.35	(12,769.57)	(5,493.06)
80	Aug-23		(11,164.50)		1.82%	(16.80)	(11,181.30)	(16,674.36)
81	Sep-23		(11,774.00)		1.82%	(34.22)	(11,808.22)	(28,482.58)
82	Oct-23		(15,052.50)		1.82%	(54.61)	(15,107.11)	(43,589.69)
83	Nov-23 (	Nov-23 Old rates			1.82%	(79.62)	(17,891.81)	(61,481.50)
84	Nov-23 N	Nov-23 New rates (1)		(1,334,616.72)	5.13%	(5,614.60)	(1,297,712.44)	(1,359,193.94)
85	Dec-23		188,866.68		5.13%	(5,406.85)	183,459.83	(1,175,734.11)
86	Jan-24		232,121.22		5.13%	(4,530.10)	227,591.12	(948,142.99)
87	Feb-24		204,082.83		5.13%	(3,617.08)	200,465.75	(747,677.24)
88	Mar-24		187,911.97		5.13%	(2,794.66)	185,117.31	(562,559.93)
89	Apr-24		122,205.51		5.13%	(2,143.73)	120,061.78	(442,498.15)
90	May-24		93,912.17		5.13%	(1,690.94)	92,221.23	(350,276.92)
91	Jun-24		66,126.95		5.13%	(1,356.09)	64,770.86	(285,506.06)
92	Jul-24 /	Forecasted	44,312.61		5.13%	(1,125.82)	43,186.79	(242,319.27)
93	Aug-24 /	Forecasted	40,925.09		5.13%	(948.44)	39,976.65	(202,342.62)
94	Sep-24 /	Forecasted	<i>43,107.77</i>		5.13%	(772.87)	42,334.90	(160,007.72)
95	Oct-24 /	Forecasted	<i>82,000.42</i>		5.13%	(508.76)	81,491.66	(78,516.06)

## History truncated for ease of viewing

## 101 **Notes:**

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102 1 - Transferred in authorized balance from account 151834 WARM-Comm Deferral for amortization.