

September 01, 2022

NWN OPUC Advice No. 22-07A /UG 449
(UM 1420)**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 AMORTIZATION OF CERTAIN NON-GAS COST DEFERRED
ACCOUNTS RELATING TO: UM 1420 - Industrial Demand Side Management**

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, 2022, as follows:

Tenth Revision of Sheet 188-1	Schedule 188	Industrial Demand Side Management (DSM) Program Cost Recovery
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This filing replaces, in the entirety, the tariff sheet and Exhibit A originally filed under NWN OPUC Advice No. 22-07 (UG 449) dated July 29, 2022. The purpose of this replacement filing is to revise the customer usage forecast, which acts as the billing determinates for this Schedule.

Purpose

The purpose of this filing is to request amortization of amounts deferred under docket UM 1420 Industrial Demand Side Management Programs implemented in accordance with ORS 757.262 for inclusion in rates effective November 1, 2022. The Company last adjusted rates for this purpose effective November 1, 2021.

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.

¹ 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.

Proposed Changes

The net effect of removing the temporary adjustment applied to rates effective November 1, 2021, and the application of the new temporary adjustment is an increase to the Company's annual revenues by \$2,489,657, or 0.35%.

The monthly bill of the average industrial customer served under Rate Schedule 3 using 1,540 therms per month is a increase of \$21.66. The monthly increase for the average industrial Rate Schedule 31 customer using 6,689 therms per month is \$94.11, and the monthly increase for the average industrial Rate Schedule 32 firm sales customer using 20,842 therms per month is \$293.25.

The proposed adjustment for the amortization of the Industrial DSM account is \$0.03793 per therm.

In compliance with OAR 860-022-0025 the Company states that the number of customers affected by the proposed change is 657 industrial customers and 588 commercial customers; 340 Rate Schedule 3 customers, 189 Rate Schedule 31 customers, and 716 Rate Schedule 32 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 Manager

Attachments: Exhibit A – Supporting Materials

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Tenth Revision of Sheet 188-1
Cancels Ninth Revision of Sheet 188-1

SCHEDULE 188 INDUSTRIAL DEMAND SIDE MANAGEMENT (DSM) PROGRAM COST RECOVERY

PURPOSE:

This Schedule recovers the costs of the Company's Industrial Energy Efficiency Program offered under **Schedule 360** "Industrial Demand side Management (DSM) Programs."

APPLICABILITY:

This Schedule applies to Industrial Sales Service Customers taking service under **Rate Schedule 3**, **Rate Schedule 31**, or **Rate Schedule 32**, and to Commercial Sales Service Customers taking service under **Rate Schedule 32**.

Application To Rates:

Effective: November 1, 2022 (C)

The Temporary Adjustments in the applicable Rate Schedules include the adjustment shown below. NO ADDITIONAL ADJUSTMENT TO RATES IS REQUIRED.

\$0.03793 per therm (I)

GENERAL TERMS:

Service under this Schedule is governed by the terms of this Schedule, the General Rules and Regulations contained in this, any other schedules that by their terms or by the terms of this Schedule apply to service under this Schedule, and by all rules and regulations prescribed by regulatory authorities, as amended from time to time.

Issued September 01, 2022
NWN OPUC Advice No. 22-07A

Effective with service on
and after November 1, 2022

EXHIBIT A

BEFORE THE PUBLIC UTILITY COMMISSION
OF OREGON

NW NATURAL SUPPORTING MATERIALS

Non-Gas Cost Deferral Amortizations
Industrial Demand Side Management
UM 1420

NWN OPUC Advice No. 22-07A / UG 449

September 01, 2022

NW NATURAL

EXHIBIT A

Supporting Materials

Non-Gas Cost Deferral Amortizations

Industrial Demand Side Management

NWN OPUC ADVICE NO. 22-07A / UG 449

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 Deferred Accounts Included in the PGA	5
186232 Deferral of Industrial DSM Costs	6
186233 Amortization of Industrial DSM Costs	7

NW Natural
 Rates & Regulatory Affairs
 2022-23 PGA - Oregon: September Filing
 Calculation of Increments Allocated on the EQUAL CENT PER THERM BASIS

ALL VOLUMES IN THERMS

			Industrial DSM		
1			5,459,195	Temporary Increment	
2			2.818%	add revenue sensitive factor	
3	Oregon PGA	Proposed Amount:			
4	Column F	Amount to Amortize:	5,617,497 to C32 Sales and all Industrial Sales		
5			Multiplier	Volumes	Increment
6	Schedule	Block	Z	AA	AB
7	2R		0.0	0	\$0.00000
8	3C Firm Sales		0.0	0	\$0.00000
9	3I Firm Sales		1.0	6,284,310	\$0.03793
10	27 Dry Out		0.0	0	\$0.00000
11	31C Firm Sales	Block 1	0.0	0	\$0.00000
12		Block 2	0.0	0	\$0.00000
13	31C Firm Trans	Block 1	0.0	0	\$0.00000
14		Block 2	0.0	0	\$0.00000
15	31I Firm Sales	Block 1	1.0	4,654,548	\$0.03793
16		Block 2	1.0	10,516,948	\$0.03793
17	31I Firm Trans	Block 1	0.0	0	\$0.00000
18		Block 2	0.0	0	\$0.00000
19	32C Firm Sales	Block 1	1.0	33,034,672	\$0.03793
20		Block 2	1.0	9,314,339	\$0.03793
21		Block 3	1.0	1,669,024	\$0.03793
22		Block 4	1.0	449,802	\$0.03793
23		Block 5	1.0	0	\$0.03793
24		Block 6	1.0	0	\$0.03793
25	32I Firm Sales	Block 1	1.0	7,525,179	\$0.03793
26		Block 2	1.0	7,019,347	\$0.03793
27		Block 3	1.0	2,009,960	\$0.03793
28		Block 4	1.0	452,461	\$0.03793
29		Block 5	1.0	0	\$0.03793
30		Block 6	1.0	0	\$0.03793
31	32C Firm Trans	Block 1	0.0	0	\$0.00000
32		Block 2	0.0	0	\$0.00000
33		Block 3	0.0	0	\$0.00000
34		Block 4	0.0	0	\$0.00000
35		Block 5	0.0	0	\$0.00000
36		Block 6	0.0	0	\$0.00000
37	32I Firm Trans	Block 1	0.0	0	\$0.00000
38		Block 2	0.0	0	\$0.00000
39		Block 3	0.0	0	\$0.00000
40		Block 4	0.0	0	\$0.00000
41		Block 5	0.0	0	\$0.00000
42		Block 6	0.0	0	\$0.00000
43	32C Interr Sales	Block 1	1.0	5,250,637	\$0.03793
44		Block 2	1.0	7,774,070	\$0.03793
45		Block 3	1.0	4,548,015	\$0.03793
46		Block 4	1.0	6,629,796	\$0.03793
47		Block 5	1.0	3,590,613	\$0.03793
48		Block 6	1.0	0	\$0.03793
49	32I Interr Sales	Block 1	1.0	6,405,854	\$0.03793
50		Block 2	1.0	8,286,879	\$0.03793
51		Block 3	1.0	4,925,421	\$0.03793
52		Block 4	1.0	12,504,521	\$0.03793
53		Block 5	1.0	5,270,851	\$0.03793
54		Block 6	1.0	0	\$0.03793
55	32C Interr Trans	Block 1	0.0	0	\$0.00000
56		Block 2	0.0	0	\$0.00000
57		Block 3	0.0	0	\$0.00000
58		Block 4	0.0	0	\$0.00000
59		Block 5	0.0	0	\$0.00000
60		Block 6	0.0	0	\$0.00000
61	32I Interr Trans	Block 1	0.0	0	\$0.00000
62		Block 2	0.0	0	\$0.00000
63		Block 3	0.0	0	\$0.00000
64		Block 4	0.0	0	\$0.00000
65		Block 5	0.0	0	\$0.00000
66		Block 6	0.0	0	\$0.00000
67	33		0.0	0	\$0.00000
69	TOTALS	1,036,879,625		148,117,246	\$ 0.03793

70	Sources for line 2 above:		
71	Inputs page		Line 49
72	Tariff Schedules		
73	Rate Adjustment Schedule		Sched 188

NW Natural
 Rates & Regulatory Affairs
 2022-23 PGA - Oregon: September Filing
 Effects on Average Bill by Rate Schedule [1]

Advice 22-07A
 See note [5]

1	Oregon PGA		Normal	Minimum	11/1/2021	11/1/2021	Proposed	Proposed	Proposed		
2	Normalized		Therms				11/1/2022	11/1/2022	11/1/2022		
3	Volumes page,	Therms in	Monthly	Monthly	Billing	Current	Industrial DSM	Industrial DSM	Industrial DSM		
4	Column D	Block	Average use	Charge	Rates	Average Bill	Rates	Average Bill	% Bill Change		
5						F=D+(C * E)		K = D+(C * J)	L = (K - F)/F		
6	Schedule	Block	A	B	C	D	E	J	K	L	
7	2R		407,980,561	N/A	54	\$8.00	\$1.04637	\$64.50	\$1.04637	\$64.50	0.0%
8	3C Firm Sales		170,909,185	N/A	242	\$15.00	\$0.95180	\$245.34	\$0.95180	\$245.34	0.0%
9	3I Firm Sales		6,284,310	N/A	1,540	\$15.00	\$0.88434	\$1,376.88	\$0.89841	\$1,398.54	1.6%
10	27 Dry Out		810,211	N/A	43	\$8.00	\$0.87077	\$45.44	\$0.87077	\$45.44	0.0%
11	31C Firm Sales	Block 1	11,585,381	2,000	2,898	\$325.00	\$0.62830	\$2,125.37	\$0.62830	\$2,125.37	0.0%
12		Block 2	10,565,491	all additional			\$0.60555		\$0.60555		
13	31C Firm Trans	Block 1	1,215,943	2,000	3,901	\$575.00	\$0.23009	\$1,435.08	\$0.23009	\$1,435.08	0.0%
14		Block 2	1,545,847	all additional			\$0.21037		\$0.21037		
15	31I Firm Sales	Block 1	4,654,548	2,000	6,689	\$325.00	\$0.58665	\$4,156.55	\$0.60072	\$4,250.66	2.3%
16		Block 2	10,516,948	all additional			\$0.56691		\$0.58098		
17	31I Firm Trans	Block 1	158,179	2,000	6,683	\$575.00	\$0.20208	\$1,834.75	\$0.20208	\$1,834.75	0.0%
18		Block 2	403,212	all additional			\$0.18270		\$0.18270		
19	32C Firm Sales	Block 1	33,034,672	10,000	6,888	\$675.00	\$0.51525	\$4,224.02	\$0.52932	\$4,320.93	2.3%
20		Block 2	9,314,339	20,000			\$0.49513		\$0.50920		
21		Block 3	1,669,024	20,000			\$0.46168		\$0.47575		
22		Block 4	449,802	100,000			\$0.42812		\$0.44219		
23		Block 5	0	600,000			\$0.40359		\$0.41766		
24		Block 6	0	all additional			\$0.39217		\$0.40624		
25	32I Firm Sales	Block 1	7,525,179	10,000	20,842	\$675.00	\$0.50505	\$11,000.65	\$0.51912	\$11,293.90	2.7%
26		Block 2	7,019,347	20,000			\$0.48654		\$0.50061		
27		Block 3	2,009,960	20,000			\$0.45562		\$0.46969		
28		Block 4	452,461	100,000			\$0.42480		\$0.43887		
29		Block 5	0	600,000			\$0.40295		\$0.41702		
30		Block 6	0	all additional			\$0.39213		\$0.40620		
31	32C Firm Trans	Block 1	2,620,992	10,000	19,592	\$925.00	\$0.12085	\$3,118.76	\$0.12085	\$3,118.76	0.0%
32		Block 2	2,162,687	20,000			\$0.10271		\$0.10271		
33		Block 3	750,954	20,000			\$0.07256		\$0.07256		
34		Block 4	1,043,887	100,000			\$0.04238		\$0.04238		
35		Block 5	4,474	600,000			\$0.02424		\$0.02424		
36		Block 6	0	all additional			\$0.01211		\$0.01211		
37	32I Firm Trans	Block 1	11,249,133	10,000	71,288	\$925.00	\$0.11947	\$6,482.07	\$0.11947	\$6,482.07	0.0%
38		Block 2	16,747,498	20,000			\$0.10158		\$0.10158		
39		Block 3	10,738,714	20,000			\$0.07180		\$0.07180		
40		Block 4	21,608,366	100,000			\$0.04203		\$0.04203		
41		Block 5	21,402,253	600,000			\$0.02413		\$0.02413		
42		Block 6	6,366,501	all additional			\$0.01227		\$0.01227		
43	32C Interr Sales	Block 1	5,250,637	10,000	46,322	\$675.00	\$0.49959	\$22,652.82	\$0.51366	\$23,304.57	2.9%
44		Block 2	7,774,070	20,000			\$0.48127		\$0.49534		
45		Block 3	4,548,015	20,000			\$0.45072		\$0.46479		
46		Block 4	6,629,796	100,000			\$0.42017		\$0.43424		
47		Block 5	3,590,613	600,000			\$0.40182		\$0.41589		
48		Block 6	0	all additional			\$0.38818		\$0.40225		
49	32I Interr Sales	Block 1	6,405,854	10,000	51,935	\$675.00	\$0.49934	\$25,117.21	\$0.51341	\$25,847.93	2.9%
50		Block 2	8,286,879	20,000			\$0.48110		\$0.49517		
51		Block 3	4,925,421	20,000			\$0.45068		\$0.46475		
52		Block 4	12,504,521	100,000			\$0.42027		\$0.43434		
53		Block 5	5,270,851	600,000			\$0.40201		\$0.41608		
54		Block 6	0	all additional			\$0.38839		\$0.40246		
55	32C Interr Trans	Block 1	829,989	10,000	53,220	\$925.00	\$0.11540	\$5,556.74	\$0.11540	\$5,556.74	0.0%
56		Block 2	1,633,924	20,000			\$0.09810		\$0.09810		
57		Block 3	962,812	20,000			\$0.06928		\$0.06928		
58		Block 4	3,077,817	100,000			\$0.04044		\$0.04044		
59		Block 5	520,526	600,000			\$0.02315		\$0.02315		
60		Block 6	0	all additional			\$0.01157		\$0.01157		
61	32I Interr Trans	Block 1	6,950,973	10,000	226,204	\$925.00	\$0.11561	\$11,281.52	\$0.11561	\$11,281.52	0.0%
62		Block 2	12,319,513	20,000			\$0.09831		\$0.09831		
63		Block 3	8,609,147	20,000			\$0.06948		\$0.06948		
64		Block 4	19,262,609	100,000			\$0.04065		\$0.04065		
65		Block 5	37,658,652	600,000			\$0.02335		\$0.02335		
66		Block 6	97,066,948	all additional			\$0.01184		\$0.01184		
67	33		0	N/A	0	\$38,000	\$0.00585	\$38,000.00	\$0.00585	\$38,000.00	0.0%
68											
69	Totals		1,036,879,625								

70
 71 [1] For convenience of presentation, demand charges for Rate Schedules 31 and 32 have been removed.
 72 [2] Tariff Advice Notice 22-04A: Non-Gas Cost Deferral Amortizations - Intervenor Funding
 73 [3] Tariff Advice Notice 22-05A: Non-Gas Cost Deferral Amortizations - Oregon PUC Fee
 74 [4] Tariff Advice Notice 22-06A: Non-Gas Cost Deferral Amortizations - SRRM
 75 [5] Tariff Advice Notice 22-07A: Non-Gas Cost Deferral Amortizations - Industrial DSM
 76 [6] Tariff Advice Notice 22-08A: Non-Gas Cost Deferral Amortizations - Decoupling
 77 [7] Tariff Advice Notice 22-09A: Non-Gas Cost Deferral Amortizations - WARM
 78 [8] Tariff Advice Notice 22-10A: Non-Gas Cost Deferral Amortization - Corporate Activity Tax (CAT) Amortization
 79 [9] Tariff Advice Notice 22-11A: Non-Gas Cost Amortization - Net Curtailment and Entitlement Revenues
 80 [10] Tariff Advice Notice 22-12A: Non-Gas Cost Amortization - Gas Reserves EDIT Amortization Credit
 81 [11] Tariff Advice Notice 22-13A: Non-Gas Cost Amortization - Residual Balance, GeoTEE, and Astoria Sale
 82 [12] Tariff Advice Notice 22-14A: Non-Gas Cost Amortization - Climate Protection Program (CPP)
 83 [13] Tariff Advice Notice 21-15A: PGA
 84 [14] Tariff Advice Notice 22-16A: Non-Gas Cost Amortization - TSA

NW Natural
Rates and Regulatory Affairs
2022-2023 PGA Filing - OREGON
Basis for Revenue Related Costs

	Twelve Months <u>Ended 06/30/22</u>	
1		
2		
3 Total Billed Gas Sales Revenues	\$ 760,119,061	
4 Total Oregon Revenues	\$ 767,240,632	
5		
6 Regulatory Commission Fees [1]	n/a	0.430% Statutory rate
7 City License and Franchise Fees	\$ 17,575,166	2.291% Line 7 ÷ Line 4
8 Net Uncollectible Expense [2]	<u>\$ 744,324</u>	<u>0.097%</u> Line 8 ÷ Line 4
9		
10 Total		<u><u>2.818%</u></u> Sum lines 8-9
11		
12		

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
2022-2023 PGA Filing - Oregon: September Filing
PGA Effects on Revenue
UG 449: Industrial DSM

	Including Revenue Sensitive Amount
1	
2 <u>Temporary Increments</u>	
3	
4 <u>Removal of Current Temporary Increments</u>	
5 Amortization of Industrial DSM	(3,127,840)
6	
7 <u>Addition of Proposed Temporary Increments</u>	
8 Amortization of Industrial DSM	5,617,497
9	
10	
11 TOTAL OF ALL COMPONENTS OF RATE CHANGES	<u><u>\$2,489,657</u></u>
12	
13	
14	
15 2021 Oregon Earnings Test Normalized Total Revenues	\$707,222,790
16	
17 Effect of this filing, as a percentage change (line 11 ÷ line 15)	0.35%

NW Natural
Rates & Regulatory Affairs
2022-2023 PGA Filing - September Filing
Summary of Deferred Accounts Included in the PGA

	Account	Balance 6/30/2022	Jul-Oct Estimated Activity	Jul-Oct Interest	Estimated Balance 10/31/2022	Interest Rate During Amortization	Estimated Interest During Amortization	Total Estimated Amount for (Refund) or Collection	Amounts Excluded from PGA Filing	Amounts Included in PGA Filing
	A	B	C	D	E	F1	F2	G	H	I
					<small>E = sum B thru D</small>	1.82%		<small>G = E + F2</small>		<small>Excl. Rev Sens</small>
34	Miscellaneous Amortizations									
42	186232 INDUSTRIAL DSM DEFERRAL (Mar 2021 - Feb 2022)	5,602,497	0	0	5,602,497					
43	186233 AMOR INDUSTRIAL DSM	599,109	(796,784)	933	(196,742)					
44	Total	6,201,606	(796,784)	933	5,405,755	1.82%	53,440	5,459,195		5,459,195

Company: Northwest Natural Gas Company
 State: Oregon
 Description: Deferral of Industrial DSM Costs
 Account Number: 186232
 Docket UM 1420
 Last deferral reauthorization was approved in Order 21-116

1 Debit (Credit) *Deferrals are authorized on a program year (Mar - Feb). The total balance is broken down into separate deferral years for convenience of review*

2

3

4

5

6

Month/Year	Note	Deferral	Transfers	TOTAL Interest	Interest Rate	Mar 19- Feb 20 Interest	Mar 20- Feb 21 Interest	Mar 21- Feb 22 Interest	Total Activity	TOTAL Balance	Mar 19- Feb 20 Balance	Mar 20- Feb 21 Balance	Mar 21- Feb 22 Balance	Mar 22-Feb 23 Balance
(a)	(b)	(c)	(d)	(e)	(e1)	(e11)	(e12)	(e12)	(f)	(g)	(g11)	(g12)	(g12)	(g12)
Beginning Balance														
Jul-20		1,393,862.00		4,249.54	7.317%		4,249.54		1,398,111.54	5,143,394.25	3,745,282.71	1,398,111.54		
Aug-20		-		8,524.99	7.317%		8,524.99		8,524.99	5,151,919.24	3,745,282.71	1,406,636.53		
Sep-20		-		8,576.97	7.317%		8,576.97		8,576.97	5,160,496.21	3,745,282.71	1,415,213.50		
Oct-20		1,393,862.00		12,878.80	7.317%		12,878.80		1,406,740.80	6,567,237.01	3,745,282.71	2,821,954.30		
Nov-20	1	-	(3,745,282.71)	16,379.09	6.965%		16,379.09		(3,728,903.62)	2,838,333.39		2,838,333.39		
Dec-20		-		16,474.16	6.965%		16,474.16		16,474.16	2,854,807.55		2,854,807.55		
Jan-21		-		16,569.78	6.965%		16,569.78		16,569.78	2,871,377.33		2,871,377.33		
Feb-21		0.00		16,665.95	6.965%		16,665.95		16,665.95	2,888,043.28		2,888,043.28		
Mar-21		0.00		0.00	6.965%			0.00	-	2,888,043.28		2,888,043.28		-
Apr-21		1,076,519.00		3,124.15	6.965%			3,124.15	1,079,643.15	3,967,686.43		2,888,043.28	1,079,643.15	
May-21		0.00		6,266.43	6.965%			6,266.43	6,266.43	3,973,952.86		2,888,043.28	1,085,909.58	
Jun-21		1,614,778.00		10,989.02	6.965%			10,989.02	1,625,767.02	5,599,719.88		2,888,043.28	2,711,676.60	
Jul-21		0.00		15,739.02	6.965%			15,739.02	15,739.02	5,615,458.90		2,888,043.28	2,727,415.62	
Aug-21		0.00		15,830.37	6.965%			15,830.37	15,830.37	5,631,289.27		2,888,043.28	2,743,245.99	
Sep-21		0.00		15,922.26	6.965%			15,922.26	15,922.26	5,647,211.53		2,888,043.28	2,759,168.25	
Oct-21		2,691,298.00		23,825.04	6.965%			23,825.04	2,715,123.04	8,362,334.57		2,888,043.28	5,474,291.29	
Nov-21	1	0.00	(2,888,043.28)	31,773.70	6.965%			31,773.70	(2,856,269.58)	5,506,064.99			5,506,064.99	
Dec-21		0.00		31,958.12	6.965%			31,958.12	31,958.12	5,538,023.11			5,538,023.11	
Jan-22		0.00		32,143.61	6.965%			32,143.61	32,143.61	5,570,166.72			5,570,166.72	
Feb-22		0.00		32,330.18	6.965%			32,330.18	32,330.18	5,602,496.90			5,602,496.90	
Mar-22		1,500,000.00		4,353.13	6.965%			4,353.13	1,504,353.13	7,106,850.03			5,602,496.90	1,504,353.13
Apr-22		0.00		8,731.52	6.965%			8,731.52	8,731.52	7,115,581.55			5,602,496.90	1,513,084.65
May-22		0.00		8,782.20	6.965%			8,782.20	8,782.20	7,124,363.75			5,602,496.90	1,521,866.85
Jun-22		2,000,000.00		14,637.34	6.965%			14,637.34	2,014,637.34	9,139,001.09			5,602,496.90	3,536,504.19
Jul-22				20,526.46	6.965%			20,526.46	20,526.46	9,159,527.55			5,602,496.90	3,557,030.65
Aug-22				20,645.60	6.965%			20,645.60	20,645.60	9,180,173.15			5,602,496.90	3,577,676.25
Sep-22				20,765.43	6.965%			20,765.43	20,765.43	9,200,938.58			5,602,496.90	3,598,441.68
Oct-22				20,885.96	6.965%			20,885.96	20,885.96	9,221,824.54			5,602,496.90	3,619,327.64

History truncated for ease of viewing

NOTES

1 - Transferred February balance of prior program year to 186233 Amort Industrial DSM for amortization (see note above).

Company: Northwest Natural Gas Company
 State: Oregon
 Description: Amortization of Industrial DSM Costs
 Account Number: 186233
 Dockets UM 1420, UG 405 and UG 425
 Amortization of 2020-2021 deferral approved in Order 21-369

1	Debit	(Credit)						
2								
3					TOTAL	Interest		TOTAL
4	Month/Year	Note	Amortization	Transfers	Interest	Rate	Activity	Balance
5	(a)	(b)	(c)	(d)	(e1)	(e2)	(f)	(g)
6								
7	Beginning Balance							
147	Jun-21		(214,242.26)		2,489.51	2.63%	(211,752.75)	1,031,264.93
148	Jul-21		(188,149.79)		2,054.01	2.63%	(186,095.78)	845,169.15
149	Aug-21		(189,564.74)		1,644.60	2.63%	(187,920.14)	657,249.01
150	Sep-21		(190,778.25)		1,231.41	2.63%	(189,546.84)	467,702.17
151	Oct-21		(256,446.65)		744.02	2.63%	(255,702.63)	211,999.54
152	Nov-21	Old rates	(101,646.76)		353.24	2.63%	(101,293.52)	110,706.02
153	Nov-21	New rates (1)	(185,445.22)	2,888,043.28	2,888.50	1.24%	2,705,486.56	2,816,192.58
154	Dec-21		(336,347.54)		2,736.29	1.24%	(333,611.25)	2,482,581.33
155	Jan-22		(388,924.28)		2,364.39	1.24%	(386,559.89)	2,096,021.44
156	Feb-22		(346,128.51)		1,987.06	1.24%	(344,141.45)	1,751,879.99
157	Mar-22		(342,097.99)		1,633.53	1.24%	(340,464.46)	1,411,415.53
158	Apr-22		(301,637.66)		1,302.62	1.24%	(300,335.04)	1,111,080.49
159	May-22		(285,158.28)		1,000.78	1.24%	(284,157.50)	826,922.99
160	Jun-22		(228,550.57)		736.40	1.24%	(227,814.17)	599,108.82
161	Jul-22	Forecast	(182,663.63)		524.70	1.24%	(182,138.93)	416,969.89
162	Aug-22	Forecast	(184,303.56)		335.65	1.24%	(183,967.91)	233,001.98
163	Sep-22	Forecast	(180,877.97)		147.32	1.24%	(180,730.65)	52,271.33
164	Oct-22	Forecast	(248,938.90)		(74.60)	1.24%	(249,013.50)	(196,742.17)

165
 166 **History truncated for ease of viewing**

167
 168 **NOTES**

169 **1** - Transferred in authorized balance from account 186232 Deferral of Industrial DSM.