GAIL HAMMER Rates & Regulatory Affairs Tel: 503.226.4211, ext. 5865 Fax: 503.721.2516 Email: gail.hammer@nwnatural.com



503.226.4211

July 28, 2017

NWN OPUC Advice No. 17-07 / UG 329 (UM 1766)

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 CERTAIN NON-GAS COST DEFERRED

UM 1766: Oregon Regulatory Fee Increase

ACCOUNTS RELATING TO:

Northwest Natural Gas Company, dba NW Natural ("NW Natural" or the "Company"), files herewith revisions to its Tariff, P.U.C. Or. 25¹ ("the Tariff"), stated to become effective with service on and after November 1, 2017, as follows:

First Revision of Sheet 181-1, Schedule 181, "Special Adjustment to Rates – Regulatory Fee Increase"; and

First Revision of Sheet 181-2, Schedule 181, "Special Adjustment to Rates - Regulatory Fee Increase (continued)."

The purpose of this filing is to request amortization of amounts deferred under Docket UM 1766 for inclusion in rates effective November 1, 2017. The Company last adjusted rates for this purpose effective November 1, 2016.

The effect of the application of the new temporary adjustments is to increase the Company's annual revenues by \$112,793, or about 0.02%. In accordance with discussions with Commission Staff, the amounts are proposed to be recovered on an equal-percentage-of-revenue basis.

The monthly bill of the average residential customer served under Rate Schedule 2 using 50 therms will increase by one cent. The monthly increase for the average commercial Rate Schedule 3 customer using 231 therms per month is about four cents, and the monthly increase for the average industrial Schedule 32 firm sales customer using 18,967 therms is about \$1.51.

Because the rate adjustments are calculated on an equal-percentage-of-revenue basis, the proposed adjustments vary by rate schedule and as such are too numerous to list here. A worksheet showing all of the rate adjustments can be found in Exhibit A to this filing.

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.

Public Utility Commission of Oregon UG 329; NWN OPUC Advice No. 17-07 July 28, 2017, Page 2

The number of customers affected by the proposed change is 588,720 residential customers, 60,839 commercial customers, and 942 industrial customers.

This filing is in compliance with ORS 757.259 (2003), which authorizes deferred utility expenses or revenues to be allowed (amortized) in rates to the extent authorized by the 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.

For the purpose of recovering deferred balances as outlined in ORS 757.259, the required earnings review covering the period(s) during which the deferrals in this filing occurred was performed with Staff's review of the 2016 Annual Results of Operations review.

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

The Company requests that the tariff sheets filed herewith be permitted to become effective with service on and after November 1, 2017.

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 <u>www.nwnatural.com</u>.

Notice to customers will be made in accordance with OAR 860-022-0017.

Please address correspondence on this matter to Kyle Walker at <u>kyle.walker@nwnatural.com</u> with copies to the following:

eFiling Rates & Regulatory Affairs NW Natural 220 NW Second Avenue Portland, Oregon 97209 Telecopier: (503) 721-2516 Telephone: (503) 226-4211, x3589 eFiling@nwnatural.com

Sincerely,

NW NATURAL

/s/ Gail Hammer

Gail Hammer Rates & Regulatory Affairs

Attachments: Exhibit A – Supporting Materials

P.U.C. Or. 25

First Revision of Sheet 181-1 Cancels Original Sheet 181-1

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SCHEDULE 181 SPECIAL RATE ADJUSTMENT - REGULATORY FEE INCREASE

PURPOSE:

The purpose of this Schedule is to reflect the rate effects of the regulatory fee increase established by Commission Order 17-065 the cost recovery of which was approved by the Commission by Order issued in Docket UM 1766, OPUC Order No. 17-151 dated April 18, 2017.

APPLICABLE:

To the following Rate Schedules of this Tariff:

Rate Schedule 2	Rate Schedule 27	Rate Schedule 32
Rate Schedule 3	Rate Schedule 31	Rate Schedule 33

GENERAL TERMS:

This Schedule is governed by the terms of this Schedule, the General Rules and Regulations contained in this Tariff, 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.

APPLICATION TO RATE SCHEDULES:

The Total Adjustment amount shown below is included in the Temporary Adjustments reflected in the above-listed Rate Schedules. NO ADDITIONAL ADJUSTMENT TO RATES IS REQUIRED.

Effective: November 1, 2017

1		
Schedule	Block	Total Adjustment
2		\$0.00050
3 CSF		\$0.00042
3 ISF		\$0.00039
27		\$0.00032
31 CSF	Block 1	\$0.00040
	Block 2	\$0.00040
31 CTF	Block 1	\$0.00015
	Block 2	\$0.00015

(continue to Sheet 181-2)

Issued July 28, 2017 NWN OPUC Advice No. 17-07 Effective with service on and after November 1, 2017

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

First Revision of Sheet 181-2 Cancels Original Sheet 181-2

SCHEDULE 181

SPECIAL RATE ADJUSTMENT - REGULATORY FEE INCREASE

(continued)

APPLICATION TO RATE SCHEDULES:

Effective: November 1, 2017 (T)

(Ç)

The Total Adjustment amount shown below is included in the Temporary Adjustments reflected in the above-listed Rate Schedules. NO ADDITIONAL ADJUSTMENT TO RATES IS REQUIRED.

Schedule	Block	Total Adjustment
31 ISF	Block 1	\$0.00033
	Block 2	\$0.00033
31 ITF	Block 1	\$0.00018
	Block 2	\$0.00018
32 CSF	Block 1	\$0.00029
	Block 2	\$0.00029
	Block 3	\$0.00029
	Block 4	\$0.00029
	Block 5	\$0.00000
	Block 6	\$0.00000
32 ISF	Block 1	\$0.00027
	Block 2	\$0.00027
	Block 3	\$0.00027
	Block 4	\$0.00027
	Block 5	\$0.00000
	Block 6	\$0.00000
32 CTF/ITF	Block 1	\$0.00004
	Block 2	\$0.00004
	Block 3	\$0.00004
	Block 4	\$0.00004
	Block 5	\$0.00004
	Block 6	\$0.00004
32 CSI	Block 1	\$0.00019
	Block 2	\$0.00019
	Block 3	\$0.00019
	Block 4	\$0.00019
	Block 5	\$0.00019
	Block 6	\$0.00000
32 ISI	Block 1	\$0.00017
	Block 2	\$0.00017
	Block 3	\$0.00017
	Block 4	\$0.00017
	Block 5	\$0.00017
	Block 6	\$0.00000
32 CTI/ITI	Block 1	\$0.00002
	Block 2	\$0.00002
	Block 3	\$0.00002
	Block 4	\$0.00002
	Block 5	\$0.00002
	Block 6	\$0.00002
33 (all)		\$0.00000

Issued July 28, 2017 NWN OPUC Advice No. 17-07 Effective with service on and after November 1, 2017

EXHIBIT A

BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON

NW NATURAL SUPPORTING MATERIALS

Non-Gas Cost Deferral Amortizations Regulatory Fee Increase Balances

NWN OPUC Advice No. 17-07 / UG 329

July 28, 2017

NW NATURAL

EXHIBIT A

Supporting Material

Non-Gas Cost Deferral Amortizations

Regulatory Fee Increase Balances

NWN OPUC ADVICE NO. 17-07/ UG 329

Description	Page
Calculation of Increments Allocated on Equal Percentage of Revenue	1
Effects of 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
186236 Deferral of OR PUC Fee	6
186237 OR PUC Fee Amortization	7

NW Natural

Rates & Regulatory Affairs 2017-18 PGA - Oregon: August Filing Calculation of Increments Allocated on the EQUAL PERCENTAGE OF REVENUE

ALL VOLUMES IN THERMS

		Oregon PGA		Proposed Amount:		regon PUC Fee Temporary Incre	ment
		Volumes page,	Total	Revenue Sensitive Multiplier:		add revenue sen:	
		Column F	Revenue	Amount to Amortize:	290,836	to all classes and	
			noronao		Multiplier	Allocation to RS	
Schedule	Block	Α	В		С	D	E
2R		353,902,060	\$360,702,951	-	1.0	\$175,933	\$0.0005
3C Firm Sales		159,700,612	\$138,854,038	_	1.0	\$67,726	\$0.0004
31 Firm Sales		4,602,931	\$3,704,028	_	1.0	\$1,807	\$0.0003
27 Dry Out		1,205,372	\$799,494	_	1.0	\$390	\$0.0003
31C Firm Sales	Block 1	13,316,134	\$20,967,834		1.0	\$10,227	\$0.0004
	Block 2	12,481,400			1.0		\$0.0004
31C Firm Trans	Block 1	1,525,441	\$1,065,798		1.0	\$520	\$0.0001
	Block 2	2,009,166			1.0		\$0.0001
311 Firm Sales	Block 1	4,070,024	\$8,612,303	1	1.0	\$4,201	\$0.0003
	Block 2	8,722,092			1.0		\$0.0003
311 Firm Trans	Block 1	125,106	\$147,632	-	1.0	\$72	\$0.0001
	Block 2	276,784			1.0		\$0.0001
32C Firm Sales	Block 1	25,883,715	\$21,625,864	-	1.0	\$10,548	\$0.0002
020 Tinn Oulds	Block 2	8,661,618	\$21,020,001		1.0	\$10,010	\$0.0002
	Block 3	1,237,042			1.0		\$0.0002
	Block 4	165,932			1.0		\$0.0002
	Block 5	-			1.0		\$0.0000
221 Firms Coloo	Block 6	-	¢/ 00/ 400	-	1.0	¢2.2/4	\$0.0000
321 Firm Sales	Block 1	4,719,808	\$6,896,433		1.0	\$3,364	\$0.0002
	Block 2	5,298,281			1.0		\$0.0002
	Block 3	1,764,186			1.0		\$0.0002
	Block 4	508,368			1.0		\$0.0002
	Block 5	-			1.0		\$0.0000
00 EL T	Block 6	-			1.0		\$0.0000
32 Firm Trans	Block 1	16,254,618	\$7,387,515		1.0	\$3,603	\$0.0000
	Block 2	18,153,953			1.0		\$0.0000
	Block 3	10,538,827			1.0		\$0.0000
	Block 4	19,469,774			1.0		\$0.0000
	Block 5	21,237,750			1.0		\$0.0000
	Block 6	3,397,316		-	1.0		\$0.0000
32C Interr Sales	Block 1	5,242,630	\$8,657,729		1.0	\$4,223	\$0.0001
	Block 2	7,424,480			1.0		\$0.0001
	Block 3	3,966,495			1.0		\$0.0001
	Block 4	4,896,519			1.0		\$0.0001
	Block 5	236,893			1.0		\$0.0001
	Block 6	-		_	1.0		\$0.0000
321 Interr Sales	Block 1	6,200,783	\$10,001,170		1.0	\$4,878	\$0.0001
	Block 2	7,447,078			1.0		\$0.0001
	Block 3	3,991,226			1.0		\$0.0001
	Block 4	8,413,466			1.0		\$0.0001
	Block 5	1,938,065			1.0		\$0.0001
	Block 6	-			1.0		\$0.0000
32 Interr Trans	Block 1	8,753,845	\$6,858,915		1.0	\$3,345	\$0.0000
	Block 2	15,798,206			1.0		\$0.0000
	Block 3	11,612,336			1.0		\$0.0000
	Block 4	31,071,223			1.0		\$0.0000
	Block 5	59,059,181			1.0		\$0.0000
	Block 6	91,219,916			1.0		\$0.0000
33		-	\$0		1.0	\$0	\$0.0000
TOTALS		966,500,651	\$ 596,281,704		\$ 596,281,704	\$ 290,837	
Sources for line 2	above:					-	
Inputs page					Line 51		
Tariff Schedules							

NW Natural Rates & Regulatory Affairs 2017-18 PGA - Oregon: August Filing Effects on Average Bill by Rate Schedule [1] ALL VOLUMES IN THERMS

		Advice 17-07
		See note [4]
Proposed	Proposed	Proposed

ALL	VOLUMES IN THER	RMS									See note [4]
1			Oregon PGA		Normal				Proposed	Proposed	Proposed
2			Normalized	The survey is in	Therms		11/1/2016	11/1/2016	11/1/2017	11/1/2017	11/1/2017
3 4			Volumes page, Column D	Therms in Block	Monthly Average use	Monthly Charge	Billing Rates	Current Average Bill	Oregon PUC Fee Rates	Oregon PUC Fee Average Bill	Oregon PUC Fee % Bill Change
5		-	_	_	-	_	_	F=D+(C * E)	_	T = D + (C * S)	U = (T - F)/F
6	Schedule	Block	Α	В	С	D	E	F	S	Т	U
7	2R		353,902,060	N/A	50	\$8.00	\$0.90723	\$53.36	\$0.90743	\$53.37	0.0%
8	3C Firm Sales		159,700,612	N/A	231	\$15.00	\$0.86447	\$214.69	\$0.86463	\$214.73	0.0%
9	31 Firm Sales		4,602,931	N/A	1,118	\$15.00	\$0.82099	\$932.87	\$0.82114	\$933.03	0.0%
10	27 Dry Out		1,205,372	N/A	51	\$6.00	\$0.79183	\$46.38	\$0.79189	\$46.39	0.0%
11	31C Firm Sales	Block 1	13,316,134	2,000	2,878	\$325.00	\$0.59951	\$2,033.45	\$0.59966	\$2,033.88	0.0%
12		Block 2	12,481,400	all additional			\$0.58022		\$0.58037		
13	31C Firm Trans	Block 1	1,525,441	2,000	1,718	\$575.00	\$0.19261	\$905.90	\$0.19267	\$906.01	0.0%
14		Block 2	2,009,166	all additional			\$0.17612		\$0.17618		
15	311 Firm Sales	Block 1	4,070,024	2,000	5,101	\$325.00	\$0.52142	\$2,932.08	\$0.52153	\$2,932.64	0.0%
16		Block 2	8,722,092	all additional			\$0.50443		\$0.50454		
17	311 Firm Trans	Block 1	125,106	2,000	5,582	\$575.00	\$0.17295	\$1,480.91	\$0.17306	\$1,481.52	0.0%
18		Block 2	276,784	all additional			\$0.15634		\$0.15645		
19	32C Firm Sales	Block 1	25,883,715	10,000	6,918	\$675.00	\$0.45060	\$3,792.25	\$0.45070	\$3,792.94	0.0%
20		Block 2	8,661,618	20,000			\$0.43472		\$0.43482		
21		Block 3	1,237,042	20,000			\$0.40833		\$0.40843		
22		Block 4	165,932	100,000			\$0.38189		\$0.38199		
23		Block 5	0	600,000			\$0.36585		\$0.36585		
24		Block 6	0	all additional			\$0.35526		\$0.35526		
25	321 Firm Sales	Block 1	4,719,808	10,000	18,967	\$675.00	\$0.44761	\$9,026.91	\$0.44769	\$9,028.42	0.0%
26		Block 2	5,298,281	20,000			\$0.43223		\$0.43231		
27		Block 3	1,764,186	20,000			\$0.40657		\$0.40665		
28		Block 4	508,368	100,000			\$0.38095		\$0.38103		
29		Block 5	0	600,000			\$0.36535		\$0.36535		
30		Block 6	0	all additional			\$0.35515		\$0.35515		
31	32 Firm Trans	Block 1	16,254,618	10,000	42,165	\$925.00	\$0.10157	\$4,409.93	\$0.10159	\$4,410.77	0.0%
32		Block 2	18,153,953	20,000			\$0.08634		\$0.08636		
33		Block 3	10,538,827	20,000			\$0.06103		\$0.06105		
34		Block 4	19,469,774	100,000			\$0.03567		\$0.03569		
35		Block 5	21,237,750	600,000			\$0.02045		\$0.02047		
36		Block 6	3,397,316	all additional			\$0.01035		\$0.01037		
37	32C Interr Sales	Block 1	5,242,630	10,000	31,274	\$675.00	\$0.43726	\$13,982.77	\$0.43729	\$13,983.70	0.0%
38		Block 2	7,424,480	20,000			\$0.42157	•	\$0.42160	•	
39		Block 3	3,966,495	20,000			\$0.39542		\$0.39545		
40		Block 4	4,896,519	100,000			\$0.36927		\$0.36930		
41		Block 5	236,893	600,000			\$0.35356		\$0.35359		
42		Block 6	0	all additional			\$0.34299		\$0.34299		
43	321 Interr Sales		6,200,783	10,000	34,814	\$675.00		\$15,379.11	\$0.43715	\$15,380.50	0.0%
44		Block 2	7,447,078	20,000			\$0.42148		\$0.42152	,	
45		Block 3	3,991,226	20,000			\$0.39539		\$0.39543		
46		Block 4	8,413,466	100,000			\$0.36930		\$0.36934		
47		Block 5	1,938,065	600,000			\$0.35364		\$0.35368		
48		Block 6	0	all additional			\$0.34310		\$0.34310		
40 49	32 Interr Trans		8,753,845	10,000	208,347	\$925.00	\$0.34310	\$9,686.23	\$0.10201	\$9,688.31	0.0%
47 50		Block 2	15,798,206	20,000	200,047	Ψ720.00	\$0.08673	φ7,000.23	\$0.08674	φ_{i} 000.31	0.076
51		Block 2 Block 3	11,612,336	20,000			\$0.06128		\$0.06129		
51 52							\$0.06128		\$0.08129		
		Block 4	31,071,223	100,000							
53		Block 5	59,059,181	600,000			\$0.02055		\$0.02056		
54 55	<u></u>	Block 6	91,219,916	all additional	<u>^</u>	¢20.000	\$0.01038	¢20.000.00	\$0.01039	¢20.000.00	0.00/
55 56	33		0	N/A	0	\$38,000	\$0.00590	\$38,000.00	\$0.00590	\$38,000.00	0.0%

56 57 58

966,500,651

59 [1] For convenience of presentation, the cent per therm demand charge is used, rather than the available MDDV demand

60 [2] Tariff Advice Notice 17-05: Non-Gas Cost Deferral Amortizations - Intervenor Funding

61 [3] Tariff Advice Notice 17-06: Non-Gas Cost Deferral Amortizations - Residual Account

62 [4] Tariff Advice Notice 17-07: Non-Gas Cost Deferral Amortizations - Oregon PUC Fee

63 [5] Tariff Advice Notice 17-08: Non-Gas Cost Deferral Amortizations - SRRM

64 [6] Tariff Advice Notice 17-09: Non-Gas Cost Deferral Amortizations - Industrial DSM

65 [7] Tariff Advice Notice 17-10: Non-Gas Cost Deferral Amortizations - Decoupling

66 [8] Tariff Advice Notice 17-11: Non-Gas Cost Deferral Amortizations - WARM

67 [9] Tariff Advice Notice 17-12: PGA

Totals

NW Natural Rates and Regulatory Affairs 2017-2018 PGA Filing - OREGON Basis for Revenue Related Costs

		Т	welve Months	
1		Er	nded 06/30/17	
2				
3	Total Billed Gas Sales Revenues	\$	674,696,212	
4	Total Oregon Revenues	\$	678,088,466	
5				
6	Regulatory Commission Fees [1]		n/a	0.300% Statutory rate
7	City License and Franchise Fees	\$	16,069,889	2.370% Line 7 ÷ Line 4
8	Net Uncollectible Expense [2]	\$	848,945	0.125% Line 8 ÷ Line 4
9				
10	Total			2.795% 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 occurred mid gas year, the difference between the previous fee of 0.275%

16 and the new fee of 0.3% 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 2017-2018 PGA Filing - Oregon: August Filing PGA Effects on Revenue Tariff Advice 17-07: Oregon Regulatory Fee

		Including Revenue <u>Sensitive Amount</u>
1		<u></u>
2		
3	Temporary Increments:	
4		
5	Removal of Current Temporary Increments	
6	Amortization of Oregon PUC Fee	(178,043)
7		
8	Total	(178,043)
9		
10	Addition of Proposed Temporary Increments	
11	Amortization of Oregon PUC Fee	290,836
12	Total	290,836
13		
14	TOTAL OF ALL COMPONENTS OF RATE CHANGES	112,793
15		¢ / 45 45 / 000
16	2016 Oregon Earnings Test Normalized Total Revenues	\$645,156,000
17	Effect of this filing as a percentage shapped (line 12). line 1()	0.020/
18	Effect of this filing, as a percentage change (line 12 ÷ line 16)	0.02%

NW Natural Rates & Regulatory Affairs 2017-2018 PGA Filing - August Filing Summary of Deferred Accounts Included in the PGA

Account	Balance 6/30/2017	Jul-Oct Estimated Activity	Jul-Oct Interest	Estimated Balance	Interest Rate During Amortization	Estimated Interest During	Total Estimated Amount for (Refund) or Collection	Amounts Excluded from PGA Filing	Amounts Included in PGA Filing
A	B	C	D	E	-	F2	9	H	I
				E = sum B thru D	2.38%		G = E + F2		Excl. Rev Sens
discellaneous Amortizations									
	9,382	(28,188)	(16)	(18,822)					
	290,318	0	7,600	297,918					
	299,700	(28,188)	7,584	279,096	2.38%	3,611	282,707		282,707

UG 329 - NWN Advice 17-07 Exhibit A - Supporting Materials Page 5 of 7 Northwest Natural Gas Company Oregon Defer PUC Fee 186236 Docket UM 1766 Last deferral reauthorization was approved in Order 17-151 Company: State: Description: Account Number:

Debit (Credit)

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• •								
νm	Month/Year	Note	Deferral	Transfers	Interest Rate	Interest	Activity	Balance
4 v	(a)	(q)	(c)	(p)	(e1)	(e2)	(f)	(b)
9	Beginning Balance							
~)							163,335.80
ø	Apr-16		0		7.78%	1,058.96	1,058.96	164,394.76
6	May-16		0		7.78%	1,065.83	1,065.83	165,460.59
10	Jun-16		0		7.78%	1,072.74	1,072.74	166,533.33
11	Jul-16		0		7.78%	1,079.69	1,079.69	167,613.02
12	Aug-16		0		7.78%	1,086.69	1,086.69	168,699.71
13	Sep-16		0		7.78%	1,093.74	1,093.74	169,793.45
14	Oct-16		0		7.78%	1,100.54	1,100.54	170,893.99
15	Nov-16	-	0	(170,894)	7.778%	ı	(170,893.99)	0.00
16	Dec-16		0		7.778%	ı	ı	0.00
17	Jan-17		0		7.778%	ı	ı	0.00
18	Feb-17		0		7.778%	I	I	0.00
19	Mar-17		283,825		7.778%	919.83	284,744.83	284,744.83
20	Apr-17		0		7.778%	1,845.62	1,845.62	286,590.45
21	May-17		0		7.778%	1,857.58	1,857.58	288,448.03
22	Jun-17		0		7.778%	1,869.62	1,869.62	290,317.65
23	Jul-17				7.778%	1,881.74	1,881.74	292,199.39
24	Aug-17				7.778%	1,893.94	1,893.94	294,093.33
25	Sep-17				7.778%	1,906.21	1,906.21	295,999.54
26	Oct-17				7.778%	1,918.57	1,918.57	297,918.11
27								
28	History truncated for ease of viewing	for ease o	f viewing					
29								
00	NOTES							

Company: State: Description: Account Number:

Ч	Debit (Credit)							
7								
m	Month/Year	Note	Amortization	Transfers	Interest Rate	Interest	Activity	Balance
4	(a)	(q)	(c)	(p)	(e1)	(e2)	(f)	(6)
ഹ								
9	Beginning Balance							
2	Nov-16	H	(5,778.84)	170,893.99	2.20%	308.01	165,423.16	165,423.16
8	Dec-16		(25,139.05)		2.20%	280.23	(24,858.82)	140,564.34
6	Jan-17		(39,405.88)		2.20%	221.58	(39,184.30)	101,380.04
10	Feb-17		(30,518.37)		2.20%	157.89	(30,360.48)	71,019.56
11	Mar-17		(23,691.78)		2.20%	108.49	(23,583.29)	47,436.27
12	Apr-17		(17, 493.09)		2.20%	70.93	(17, 422.16)	30,014.11
13	May-17		(12,920.98)		2.20%	43.18	(12,877.80)	17,136.31
14	Jun-17		(7,778.28)		2.20%	24.29	(7,753.99)	9,382.32
15	Jul-17 forecast	orecast	(5,342.99)		2.20%	12.30	(5,330.69)	4,051.63
16	Aug-17 forecast	orecast	(5,343.90)		2.20%	2.53	(5,341.37)	(1,289.74)
17	Sep-17 forecast	orecast	(5,696.74)		2.20%	(7.59)	(5,704.33)	(6,994.07)
18	Oct-17 forecast	orecast	(11,804.49)		2.20%	(23.64)	(11, 828.13)	(18,822.20)
19								
20								
21	NOTES							
22	1 - Transferred in au	thorized bali	- Transferred in authorized balance from account 186237 PUC Fee Deferral for amortization.	6237 PUC Fee Def	erral for amortization			

Northwest Natural Gas Company Oregon Amort PUC Fee 186237 Dockets UM 1766 and UG 309 Amortization of 2016 PUC fee approved in Order 16-394