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July 28, 2017

NWN OPUC Advice No. 17-05 / UG 327
(UM 1101)

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
ACCOUNTS RELATING TO:**

UM 1101: Intervenor Funding

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:

Fifth Revision of Sheet 172-1,
Schedule 172,
“Special Adjustment to Rates for Intervenor Funding.”

This filing is made in accordance with OAR 860-022-0025.

The purpose of this filing is to request amortization of amounts deferred under Docket UM 1101 for inclusion in rates effective November 1, 2017. The Company revises rates for this purpose annually; the last filing was effective November 1, 2016.

The net effect of the removal of the current temporary adjustments applied to rates effective November 1, 2016 and the application of the new temporary adjustments is to decrease the Company’s annual revenues by \$112,322.

The monthly bill of the average residential customer served under Rate Schedule 2 using 50 therms will decrease by less than one cent. The monthly decrease for the average industrial Rate Schedule 3 customer using about 1,118 therms is 14 cents, the average industrial Rate Schedule 31 firm sales customer using 5,101 therms will see a monthly decrease of about 61 cents, and the average industrial Rate Schedule 32 firm sales customer using about 18,967 therms will see a monthly decrease of about \$2.28.

The proposed adjustments for the amortization of the Intervenor Funding Account are \$0.00021 per therm for the residential Rate Schedule 2 customers and \$0.00004 for Rate Schedule 3, Rate Schedule 31 and Rate Schedule 32 industrial customers.

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.

The number of customers affected by the proposed change is 588,720 residential 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, and ORS 757.072, which deals directly with the deferral of intervenor funding. All of the deferrals included in this filing occurred with appropriate application by Commission authorization, as rate orders or under approved tariffs.

In addition to the supporting materials submitted as part of this filing, the Company will separately submit workpapers 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, and if deemed necessary by the Commission that a hearing be scheduled, in accordance with ORS 757.210.

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.

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

Please address correspondence on this matter to Kyle Walker at kyle.walker@nwnatural.com, with copies to:

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

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Fifth Revision of Sheet 172-1
Cancels Fourth Revision of Sheet 172-1

SCHEDULE 172 SPECIAL ADJUSTMENT TO RATES FOR INTERVENOR FUNDING

PURPOSE:

To identify adjustments to rates in the Rate Schedules listed below for the amortization of deferred balances related to Intervenor Funding. The rate adjustments under this Schedule are made pursuant to the Intervenor Funding Agreement in Docket UM 1357 adopted by Commission in Order No. 07-564.

APPLICABLE:

To the following Rate Schedules of this Tariff:

Residential:

Rate Schedule 2

Industrial:

Rate Schedule 3 ISF

Rate Schedule 31 (all Industrial Classes)

Rate Schedule 32 (all Industrial Classes)

APPLICATION TO RATE SCHEDULES:

Effective: November 1, 2017

(T)

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.

Residential Customer Adjustment: \$0.00021

(C)

Industrial Customer Adjustment: \$0.00004

(C)

GENERAL TERMS:

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

Issued July 28, 2017
NWN OPUC Advice No. 17-05

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
UM 1101 Intervenor Funding

NWN OPUC Advice No. 17-05 / UG 327

July 28, 2017

NW NATURAL

EXHIBIT A

Supporting Materials

Non-Gas Cost Deferral Amortizations – UM 1101

Intervenor Funding

NWN OPUC ADVICE NO. 17-05 / UG 327

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
186276 Deferral of CUB Intervenor Funding	6
186284 Deferral of Intervenor Funding Issue Fund	7
186286 Amortization of CUB Intervenor Funding	8
186278 Deferral of NWIGU Intervenor Funding	9
186288 Amortization of NWIGU Intervenor Funding	10

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

Advice 17-05

ALL VOLUMES IN THERMS

See note [2]

1	Oregon PGA		Normal	Minimum	11/1/2016	11/1/2016	Proposed	Proposed	Proposed		
2	Normalized		Therms	Monthly	Billing	Current	Intervenor fund	Intervenor fund	11/1/2017		
3	Volumes page,		in	Charge	Rates	Average Bill	Rates	Average Bill	Intervenor fund		
4	Column D		Block	Average use					% Bill Change		
5											
6	Schedule	Block	A	B	C	D	E	F = D + (C * E)	G	H = D + (C * G)	I = (H - F) / F
7	2R		353,902,060	N/A	50	\$8.00	\$0.90723	\$53.36	\$0.90703	\$53.35	0.0%
8	3C Firm Sales		159,700,612	N/A	231	\$15.00	\$0.86447	\$214.69	\$0.86447	\$214.69	0.0%
9	3I Firm Sales		4,602,931	N/A	1,118	\$15.00	\$0.82099	\$932.87	\$0.82087	\$932.73	0.0%
10	27 Dry Out		1,205,372	N/A	51	\$6.00	\$0.79183	\$46.38	\$0.79183	\$46.38	0.0%
11	31C Firm Sales	Block 1	13,316,134	2,000	2,878	\$325.00	\$0.59951	\$2,033.45	\$0.59951	\$2,033.45	0.0%
12		Block 2	12,481,400	all additional			\$0.58022		\$0.58022		
13	31C Firm Trans	Block 1	1,525,441	2,000	1,718	\$575.00	\$0.19261	\$905.90	\$0.19261	\$905.90	0.0%
14		Block 2	2,009,166	all additional			\$0.17612		\$0.17612		
15	31I Firm Sales	Block 1	4,070,024	2,000	5,101	\$325.00	\$0.52142	\$2,932.08	\$0.52130	\$2,931.47	0.0%
16		Block 2	8,722,092	all additional			\$0.50443		\$0.50431		
17	31I Firm Trans	Block 1	125,106	2,000	5,582	\$575.00	\$0.17295	\$1,480.91	\$0.17283	\$1,480.24	0.0%
18		Block 2	276,784	all additional			\$0.15634		\$0.15622		
19	32C Firm Sales	Block 1	25,883,715	10,000	6,918	\$675.00	\$0.45060	\$3,792.25	\$0.45060	\$3,792.25	0.0%
20		Block 2	8,661,618	20,000			\$0.43472		\$0.43472		
21		Block 3	1,237,042	20,000			\$0.40833		\$0.40833		
22		Block 4	165,932	100,000			\$0.38189		\$0.38189		
23		Block 5	0	600,000			\$0.36585		\$0.36585		
24		Block 6	0	all additional			\$0.35526		\$0.35526		
25	32I Firm Sales	Block 1	4,719,808	10,000	18,967	\$675.00	\$0.44761	\$9,026.91	\$0.44749	\$9,024.63	0.0%
26		Block 2	5,298,281	20,000			\$0.43223		\$0.43211		
27		Block 3	1,764,186	20,000			\$0.40657		\$0.40645		
28		Block 4	508,368	100,000			\$0.38095		\$0.38083		
29		Block 5	0	600,000			\$0.36535		\$0.36523		
30		Block 6	0	all additional			\$0.35515		\$0.35503		
31	32 Firm Trans	Block 1	16,254,618	10,000	42,165	\$925.00	\$0.10157	\$4,409.93	\$0.10145	\$4,404.87	-0.1%
32		Block 2	18,153,953	20,000			\$0.08634		\$0.08622		
33		Block 3	10,538,827	20,000			\$0.06103		\$0.06091		
34		Block 4	19,469,774	100,000			\$0.03567		\$0.03555		
35		Block 5	21,237,750	600,000			\$0.02045		\$0.02033		
36		Block 6	3,397,316	all additional			\$0.01035		\$0.01023		
37	32C Interr Sales	Block 1	5,242,630	10,000	31,274	\$675.00	\$0.43726	\$13,982.77	\$0.43726	\$13,982.77	0.0%
38		Block 2	7,424,480	20,000			\$0.42157		\$0.42157		
39		Block 3	3,966,495	20,000			\$0.39542		\$0.39542		
40		Block 4	4,896,519	100,000			\$0.36927		\$0.36927		
41		Block 5	236,893	600,000			\$0.35356		\$0.35356		
42		Block 6	0	all additional			\$0.34299		\$0.34299		
43	32I Interr Sales	Block 1	6,200,783	10,000	34,814	\$675.00	\$0.43711	\$15,379.11	\$0.43699	\$15,374.93	0.0%
44		Block 2	7,447,078	20,000			\$0.42148		\$0.42136		
45		Block 3	3,991,226	20,000			\$0.39539		\$0.39527		
46		Block 4	8,413,466	100,000			\$0.36930		\$0.36918		
47		Block 5	1,938,065	600,000			\$0.35364		\$0.35352		
48		Block 6	0	all additional			\$0.34310		\$0.34298		
49	32 Interr Trans	Block 1	8,753,845	10,000	208,347	\$925.00	\$0.10200	\$9,686.23	\$0.10188	\$9,661.23	-0.3%
50		Block 2	15,798,206	20,000			\$0.08673		\$0.08661		
51		Block 3	11,612,336	20,000			\$0.06128		\$0.06116		
52		Block 4	31,071,223	100,000			\$0.03582		\$0.03570		
53		Block 5	59,059,181	600,000			\$0.02055		\$0.02043		
54		Block 6	91,219,916	all additional			\$0.01038		\$0.01026		
55	33		0	N/A	0	\$38,000	\$0.00590	\$38,000.00	\$0.00590	\$38,000.00	0.0%
56											
57	Totals		966,500,651								

[1] For convenience of presentation, the cent per therm demand charge is used, rather than the available MDDV demand option for Rate Schedules 31 and 32.
 [2] Tariff Advice Notice 17-05: Non-Gas Cost Deferral Amortizations - Intervenor Funding
 [3] Tariff Advice Notice 17-06: Non-Gas Cost Deferral Amortizations - Residual Account
 [4] Tariff Advice Notice 17-07: Non-Gas Cost Deferral Amortizations - Oregon PUC Fee
 [5] Tariff Advice Notice 17-08: Non-Gas Cost Deferral Amortizations - SRRM
 [6] Tariff Advice Notice 17-09: Non-Gas Cost Deferral Amortizations - Industrial DSM
 [7] Tariff Advice Notice 17-10: Non-Gas Cost Deferral Amortizations - Decoupling
 [8] Tariff Advice Notice 17-11: Non-Gas Cost Deferral Amortizations - WARM
 [9] Tariff Advice Notice 17-12: PGA

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

	Twelve Months <u>Ended 06/30/17</u>		
1			
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 17-05: Intervenor Funding

	<u>Including Revenue Sensitive Amount</u>
1	
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1		
2	<u>Temporary Increments</u>	
3		
4	<u>Removal of Current Temporary Increments</u>	
5	Amortization of Intervenor Funding - CUB	(\$143,589)
6	Amortization of Intervenor Funding - NWIGU	(\$58,230)
7		<hr/> (\$201,819)
8	<u>Addition of Proposed Temporary Increments</u>	
9	Amortization of Intervenor Funding - CUB	\$75,630
10	Amortization of Intervenor Funding - NWIGU	\$13,867
11		<hr/> \$89,497
12		
13	TOTAL OF ALL COMPONENTS OF RATE CHANGES	<u><u>(\$112,322)</u></u>
14		
15		
16		
17	2016 Oregon Earnings Test Normalized Total Revenues	\$645,156,000
18		
19	Effect of this filing, as a percentage change (line 13 ÷ line 17)	-0.02%

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

Account	A	B	C	D	E	F1	F2	G	H	I
	Balance 6/30/2017	Jul-Oct Estimated Activity	Jul-Oct Interest	Estimated Balance 10/31/2017	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	Excl. Rev Sens
								G = E + F2		
10						2.38%				
11	186276	CUB INTERVENOR MATCHING FUND	0	0	66,125					
12	186284	INTERVENOR ISSUE FUND - CUB Grants	0	0	27,977					
13	186286	AMORT - CUB INTERVENOR MATCHING FUND	(18,727)	(71)	(21,525)					
14		Subtotal	(18,727)	(71)	72,577	2.38%	939	73,516		73,516
15										
16	186278	NWIGU INTERVENOR MATCHING FUND	0	0	6,013					
17	186284	INTERVENOR ISSUE FUND - NWIGU Grants	0	0	6,435					
18	186288	AMORT - NWIGU INTERVENOR MATCHING FUND	(18,596)	75	859					
19		Subtotal	(18,596)	75	13,307	2.38%	172	13,479		13,479

Company: Northwest Natural Gas Company
 State: Oregon
 Description: Deferral of CUB Intervenor Funding
 Account Number: 186276
 Docket UM 1101
 Last deferral reauthorization was approved in Order No. 16-296

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Debit	(Credit)	Month/Year	Note	Deferral	Transfers	Interest	Activity	Balance												
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)
Beginning Balance								66,125.00												
Oct-15		0.00						0.00												
Nov-15	3	0.00			(66,125.00)		(66,125.00)	0.00												
Dec-15		0.00						0.00												
Jan-16	2	66,125.00					66,125.00	66,125.00												
Feb-16		0.00						0.00												
Mar-16		0.00						0.00												
Apr-16		0.00						0.00												
May-16		0.00						0.00												
Jun-16		0.00						0.00												
Jul-16		0.00						0.00												
Aug-16		0.00						0.00												
Sep-16		0.00						0.00												
Oct-16		0.00						0.00												
Nov-16	3	0.00			(66,125.00)		(66,125.00)	0.00												
Dec-16		0.00						0.00												
Jan-17	2	66,125.00					66,125.00	66,125.00												
Feb-17		0.00						0.00												
Mar-17		0.00						0.00												
Apr-17		0.00						0.00												
May-17		0.00						0.00												
Jun-17		0.00						0.00												
Jul-17		0.00						0.00												
Aug-17		0.00						0.00												
Sep-17		0.00						0.00												
Oct-17		0.00						0.00												

History truncated for ease of viewing

NOTES

- 1 - No interest is applied to this activity.
- 2 - Payments made in:
 - Jan 2016 - see order 16-004
 - Jan 2017 - see Order 17-003
- 3 - June balance transferred to account 186286 for amortization.

Company: Northwest Natural Gas Company
 State: Oregon
 Description: Deferral of Intervenor Funding - ISSUE FUND
 Account Number: 186284
 Docket UM 1101
 Last deferral reauthorization was approved in Order No. 16-296

Debit (Credit)	Month/Year	Note	Deferral-CUB (c1)	Deferral-NWIGU (c2)	Transfers-CUB (d1) to 186286 amort account	Transfers-NWIGU (d2) to 186288 amort account	Interest (1) (e)	Activity (f)	Balance-CUB (g1)	Balance-NWIGU (g2)	Balance Grand Total (gtotal)
	Beginning Balance										
	114 Oct-15	2		9,122.30				9,122.30	57,999.41	38,668.03	96,667.44
	115 Nov-15	3			(40,159.41)	(29,545.73)	(69,705.14)		17,840.00	9,122.30	26,962.30
	116 Dec-15	2	39,000.00				39,000.00		56,840.00	9,122.30	65,962.30
	117 Jan-16	2		13,760.00			13,760.00		56,840.00	22,882.30	79,722.30
	118 Feb-16						0.00		56,840.00	22,882.30	79,722.30
	119 Mar-16	2		23,731.16			23,731.16		56,840.00	46,613.46	103,453.46
	120 Apr-16						0.00		56,840.00	46,613.46	103,453.46
	121 May-16						0.00		56,840.00	46,613.46	103,453.46
	122 Jun-16						0.00		56,840.00	46,613.46	103,453.46
	123 Jul-16						0.00		56,840.00	46,613.46	103,453.46
	124 Aug-16	2	8,000.00				13,581.46		64,840.00	52,194.92	117,034.92
	125 Sep-16						0.00		64,840.00	52,194.92	117,034.92
	126 Oct-16						0.00		64,840.00	52,194.92	117,034.92
	127 Nov-16	3			(56,840.00)	(46,613.46)	(103,453.46)		8,000.00	5,581.46	13,581.46
	128 Dec-16	2	12,720.00				12,720.00		20,720.00	5,581.46	26,301.46
	129 Jan-17	2		853.15			853.15		20,720.00	6,434.61	27,154.61
	130 Feb-17						0.00		20,720.00	6,434.61	27,154.61
	131 Mar-17						0.00		20,720.00	6,434.61	27,154.61
	132 Apr-17						0.00		20,720.00	6,434.61	27,154.61
	133 May-17						0.00		20,720.00	6,434.61	27,154.61
	134 Jun-17						7,257.00		27,977.00	6,434.61	34,411.61
	135 Jul-17						0.00		27,977.00	6,434.61	34,411.61
	136 Aug-17						0.00		27,977.00	6,434.61	34,411.61
	137 Sep-17						0.00		27,977.00	6,434.61	34,411.61
	138 Oct-17						0.00		27,977.00	6,434.61	34,411.61

History truncated for ease of viewing

NOTES

- 1 - No interest is applied to this activity.
- 2 - Payments made in:
 - August 2016 - see Order 16-279 (CUB) and Order 16-278 (NWIGU)
 - December 2016 - see Order 16-498
 - January 2017 - see Order 17-002
- 3 - Transferred \$56,840 of CUB June balance to 186286 amortization account.
 Transferred \$46,613.46 of NWIGU June balance to 186288 amortization account.

Company: Northwest Natural Gas Company
 State: Oregon
 Description: Amortization of CUB Intervenor Funding
 Account Number: 186286
 Dockets UM 1101 and UG 306
 Amortization of 2015-16 deferral approved in Order 16-400

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
Debit	(Credit)	Month/Year	Note	Amortization	Transfers	Interest	Interest rate	Activity	Balance																																								
		(a)	(b)	(c)	(d)	(e1)	(e2)	(f)	(g)																																								
		Beginning Balance																																															
		Oct-15		(2,284)		27	1.77%	(2,257)	17,472.77																																								
		Nov-15	old rates	(2,305.77)		24.07	1.77%	(2,281.70)	15,191.07																																								
		Nov-15	new rates (1)	(4,545.25)	106,284.41	167.29	1.93%	101,906.45	117,097.52																																								
		Dec-15		(19,028.18)		173.03	1.93%	(18,855.15)	98,242.37																																								
		Jan-16		(22,470.67)		139.94	1.93%	(22,330.73)	75,911.64																																								
		Feb-16		(14,706.58)		110.26	1.93%	(14,596.32)	61,315.32																																								
		Mar-16		(12,707.47)		88.40	1.93%	(12,619.07)	48,696.25																																								
		Apr-16		(8,910.53)		71.15	1.93%	(8,839.38)	39,856.87																																								
		May-16		(5,290.96)		59.85	1.93%	(5,231.11)	34,625.76																																								
		Jun-16		(4,135.66)		52.36	1.93%	(4,083.30)	30,542.46																																								
		Jul-16		(3,026.86)		46.69	1.93%	(2,980.17)	27,562.29																																								
		Aug-16		(2,498.91)		42.32	1.93%	(2,456.59)	25,105.70																																								
		Sep-16		(2,782.55)		38.14	1.93%	(2,744.41)	22,361.29																																								
		Oct-16		(4,895.48)		32.03	1.93%	(4,863.45)	17,497.84																																								
		Nov-16	old rates	(4,488.52)		24.53	1.93%	(4,463.99)	13,033.85																																								
		Nov-16	new rates (1)	(4,281.30)	122,965.00	221.51	2.20%	118,905.21	131,939.06																																								
		Dec-16		(22,187.40)		221.55	2.20%	(21,965.85)	109,973.21																																								
		Jan-17		(35,218.52)		169.33	2.20%	(35,049.19)	74,924.02																																								
		Feb-17		(26,875.19)		112.73	2.20%	(26,762.46)	48,161.56																																								
		Mar-17		(20,319.39)		69.67	2.20%	(20,249.72)	27,911.84																																								
		Apr-17		(14,761.25)		37.64	2.20%	(14,723.61)	13,188.23																																								
		May-17		(10,415.36)		14.63	2.20%	(10,400.73)	2,787.50																																								
		Jun-17		(5,513.98)		0.06	2.20%	(5,513.92)	(2,726.42)																																								
		Jul-17	forecast	(3,062.20)		(7.81)	2.20%	(3,070.01)	(5,796.43)																																								
		Aug-17	forecast	(3,060.45)		(13.43)	2.20%	(3,073.88)	(8,870.31)																																								
		Sep-17	forecast	(3,286.95)		(19.28)	2.20%	(3,306.23)	(12,176.54)																																								
		Oct-17	forecast	(9,317.19)		(30.86)	2.20%	(9,348.05)	(21,524.59)																																								

History truncated for ease of viewing

NOTES

1 - Transferred in authorized balances from CUB Deferral account 186276 and Issue Fund Deferral account 186284.

Company: Northwest Natural Gas Company
 State: Oregon
 Description: Deferral of NWIGU Intervenor Funding
 Account Number: 186278
 Docket UM 1101
 Last deferral reauthorization was approved in Order No. 16-296

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Debit	(Credit)	Month/Year	Note	Deferral	Transfers	Interest	Activity	Balance																																						
(a)	(b)	(c)	(d)	(e)	(f)	(g)																																								
Beginning Balance								18,632.98																																						
Oct-15		0.00					0.00	18,632.98																																						
Nov-15	3	0.00		(18,632.98)			0.00	0.00																																						
Dec-15		0.00					0.00	0.00																																						
Jan-16		0.00					0.00	0.00																																						
Feb-16		0.00					0.00	0.00																																						
Mar-16	2	7,204.30					7,204.30	7,204.30																																						
Apr-16		0.00					0.00	7,204.30																																						
May-16		0.00					0.00	7,204.30																																						
Jun-16		0.00					0.00	7,204.30																																						
Jul-16		0.00					0.00	7,204.30																																						
Aug-16		0.00					0.00	7,204.30																																						
Sep-16		0.00					0.00	7,204.30																																						
Oct-16		0.00					0.00	7,204.30																																						
Nov-16	3	0.00		(7,204.30)			0.00	0.00																																						
Dec-16		0.00					0.00	0.00																																						
Jan-17		0.00					0.00	0.00																																						
Feb-17		0.00					0.00	0.00																																						
Mar-17		0.00					0.00	0.00																																						
Apr-17	2	6,013.14					6,013.14	6,013.14																																						
May-17		0.00					0.00	6,013.14																																						
Jun-17		0.00					0.00	6,013.14																																						
Jul-17							0.00	6,013.14																																						
Aug-17							0.00	6,013.14																																						
Sep-17							0.00	6,013.14																																						
Oct-17							0.00	6,013.14																																						

History truncated for ease of viewing

NOTES

- 1** - No interest is applied to this activity.
- 2** - Payments made in:
 March 2016 - see order 16-091
 April 2017 - see order 17-130
- 3** - June balance transferred to account 186288 for amortization.

Company: Northwest Natural Gas Company
 State: Oregon
 Description: Amortization of NWIGU Intervenor Funding
 Account Number: 186288
 Dockets UM 1101 and UG 306
 Amortization of 2015-16 deferral approved in Order 16-400

Debit (Credit)	Month/Year	Note	Amortization	Transfers	Interest	Interest rate	Activity	Balance
	(a)	(b)	(c)	(d)	(e1)	(e2)	(f)	(g)
7	Beginning Balance							
107	Oct-15		(2,854)		7	1.77%	(2,846)	3,592.97
108	Nov-15	old rates	(98.70)		5.23	1.77%	(93.47)	3,499.50
109	Nov-15	new rates (1)	(3,986.92)	48,178.71	74.28	1.93%	44,266.07	47,765.57
110	Dec-15		(4,514.40)		73.19	1.93%	(4,441.21)	43,324.36
111	Jan-16		(4,709.97)		65.89	1.93%	(4,644.08)	38,680.28
112	Feb-16		(4,088.68)		58.92	1.93%	(4,029.76)	34,650.52
113	Mar-16		(4,231.44)		52.33	1.93%	(4,179.11)	30,471.41
114	Apr-16		(3,887.90)		45.88	1.93%	(3,842.02)	26,629.39
115	May-16		(3,989.55)		39.62	1.93%	(3,949.93)	22,679.46
116	Jun-16		(3,694.22)		33.51	1.93%	(3,660.71)	19,018.75
117	Jul-16		(3,709.60)		27.61	1.93%	(3,681.99)	15,336.76
118	Aug-16		(3,804.34)		21.61	1.93%	(3,782.73)	11,554.03
119	Sep-16		(3,788.39)		15.54	1.93%	(3,772.85)	7,781.18
120	Oct-16		(4,159.54)		9.17	1.93%	(4,150.37)	3,630.81
121	Nov-16	old rates	(198.25)		5.68	1.93%	(192.57)	3,438.24
122	Nov-16	new rates (1)	(4,278.57)	53,817.76	94.74	2.20%	49,633.93	53,072.17
123	Dec-16		(5,106.24)		92.62	2.20%	(5,013.62)	48,058.55
124	Jan-17		(5,471.31)		83.09	2.20%	(5,388.22)	42,670.33
125	Feb-17		(4,825.44)		73.81	2.20%	(4,751.63)	37,918.70
126	Mar-17		(4,979.30)		64.95	2.20%	(4,914.35)	33,004.35
127	Apr-17		(4,612.45)		56.28	2.20%	(4,556.17)	28,448.18
128	May-17	2	(4,761.45)	(1.02)	47.79	2.20%	(4,714.68)	23,733.50
129	Jun-17		(4,393.18)		39.48	2.20%	(4,353.70)	19,379.80
130	Jul-17	forecast	(4,502.38)		31.40	2.20%	(4,470.98)	14,908.82
131	Aug-17	forecast	(4,575.29)		23.14	2.20%	(4,552.15)	10,356.67
132	Sep-17	forecast	(4,565.93)		14.80	2.20%	(4,551.13)	5,805.54
133	Oct-17	forecast	(4,952.64)		6.10	2.20%	(4,946.54)	859.00

History truncated for ease of viewing

NOTES

- 1 - Transferred in authorized balances from NWIGU Deferral account 186278 and Issue Fund Deferral account 186284.
- 2 - Transfer represents true-up to the general ledger.