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September 15, 2015 NWN OPUC Advice No. 15-10 / UG 296

SUPPLEMENT A (UM 1406)

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: UG 296

Schedule 177: Adjustments to Rates for System Integrity Program (SIP)

Northwest Natural Gas Company, dba NW Natural ("NW Natural" or the "Company"), files herewith revisions to its Tariff, P.U.C. Or. 25, stated to become effective with service on and after November 1, 2015, as follows:

Third Revision of Sheet 177-3,

Schedule 177,

"System Integrity Program (SIP) Recovery Mechanism (continued);"

Third Revision of Sheet 177-4,

Schedule 177,

"System Integrity Program (SIP) Recovery Mechanism (continued);"

First Revision Sheet 177-5,

Schedule 177,

"System Integrity Program (SIP) Recovery Mechanism (continued);" and

First Revision of Sheet 177-6,

Schedule 177,

"System Integrity Program (SIP) Recovery Mechanism (continued)."

This filing replaces all tariff sheets and Exhibit A in the entirety, originally filed under NWN OPUC Advice No. 15-10 dated July 31, 2015.

The purpose of this replacement filing is to revise the temporary adjustments to permanent rates associated with the Company's System Integrity Program (SIP): Part A, Bare Steel Replacement for actual investments recorded in July 2015 and to reflect changes in forecasted expenditures for August through October 2015. See the Company's initial filing (NWN OPUC Advice No. 15-10) dated July 31, 2015, which is incorporated herein by reference, for further information regarding the SIP program.

The net effect of the SIP Part A and cost of service reserve amounts is an increase to the Company's annual revenues of \$687,020, or 0.1% related only to the Bare Steel investments; the other components of SIP have expired.

Public Utility Commission of Oregon UG 296; NWN Advice No. OPUC 15-10A September 15, 2015, Page 2

The net effect of removing the adjustments placed into rates November 1, 2014, is to increase the monthly bill of the average residential customer served under Rate Schedule 2 using 53 therms per month by 7 cents. The monthly increase for the average commercial Rate Schedule 3 customer using 233 therms is about 26 cents, and the monthly increase for the average commercial Rate Schedule 31 customer using 3,324 therms is about \$3.54. The average Rate Schedule 32 firm sales industrial customer using 21,272 therms will see a monthly increase of about \$1.37. The average bill effects for all other rate schedule and service types can be found in the separately provided workpapers.

Because Parts B and C of the SIP Program have expired, this filing zeros out the Part B and Part C Columns shown on Sheets 177-3 and 177-4 and the Part B Columns shown on Sheets 177-5 and 177-6.

The balance in the SIP cost of service reserve account has been transferred to a residual account for amortization under Schedule 178 (see OPUC Advice 15-08).

The number of customers affected by the proposed changes described above is 572,721 residential customers, 58,300 commercial customers, and 805 industrial customers.

This filing is made in accordance with ORS 757.210 which authorizes changes to an existing rate or schedule of rates to the extent authorized by the Commission, and with OPUC Order Nos. 09-067 and 13-179 in Docket 1406.

In addition to the supporting materials submitted as part of this filing, the Company separately provided 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, 2015.

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.

The Company waives paper service in this proceeding. Please address correspondence on this matter to Andrew Speer at Andrew.Speer@nwnatural.com, 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,

/s/ Onita R. King

Onita R. King NW Natural

Attachments: Exhibit A – Supporting Materials

Third Revision of Sheet 177-3 Cancels Second Revision of Sheet 177-3

SCHEDULE 177 SYSTEM INTEGRITY PROGRAM (SIP) RECOVERY MECHANISM

(continued)

APPLICATION TO RATE SCHEDULES:

Effective: November 1, 2015

The Adjustments shown below are included in the Base Adjustments in the listed Rate Schedules:

Schedule	Block	Par	rt A	Part B	Part C	Total Adjustment
		70%	30%			
2		\$0.00388	\$0.00171	\$0.00000	\$0.00000	\$0.00559
3 (CSF)		\$0.00388	\$0.00121	\$0.00000	\$0.00000	\$0.00509
3 (ISF)		\$0.00000	\$0.00103	\$0.00000	\$0.00000	\$0.00103
27		\$0.00388	\$0.00143	\$0.00000	\$0.00000	\$0.00531
31 (CSF)	Block 1	\$0.00388	\$0.00091	\$0.00000	\$0.00000	\$0.00479
	Block 2	\$0.00388	\$0.00083	\$0.00000	\$0.00000	\$0.00471
31(CTF)	Block 1	\$0.00388	\$0.00109	\$0.00000	\$0.00000	\$0.00497
	Block 2	\$0.00388	\$0.00100	\$0.00000	\$0.00000	\$0.00488
31 (ISF)	Block 1	\$0.00000	\$0.00066	\$0.00000	\$0.00000	\$0.00066
	Block 2	\$0.00000	\$0.00060	\$0.00000	\$0.00000	\$0.00060
31 (IFT)	Block 1	\$0.00000	\$0.00067	\$0.00000	\$0.00000	\$0.00067
	Block 2	\$0.00000	\$0.00061	\$0.00000	\$0.00000	\$0.00061
32 (CSF)	Block 1	\$0.00000	\$0.00053	\$0.00000	\$0.00000	\$0.00053
	Block 2	\$0.00000	\$0.00045	\$0.00000	\$0.00000	\$0.00045
	Block 3	\$0.00000	\$0.00032	\$0.00000	\$0.00000	\$0.00032
	Block 4	\$0.00000	\$0.00018	\$0.00000	\$0.00000	\$0.00018
	Block 5	\$0.00000	\$0.00011	\$0.00000	\$0.00000	\$0.00011
	Block 6	\$0.00000	\$0.00005	\$0.00000	\$0.00000	\$0.00005

(continue to Sheet 177-4)

Issued September 15, 2015 NWN OPUC Advice No. 15-10A Effective with service on and after November 1, 2015

(C)

(T)

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Third Revision of Sheet 177-4 Cancels Second Revision of Sheet 177-4

SCHEDULE 177 SYSTEM INTEGRITY PROGRAM (SIP) RECOVERY MECHANISM

(continued)

APPLICATION TO RATE SCHEDULES:

Effective: November 1, 2015

(T)

(C)

(C)

The Adjustments shown below are included in the Base Adjustments in the listed Rate Schedules:

Block	Pa	art A	Part B	Part C	Total Adjustment
	70%	30%			
Block 1	\$0.00000	\$0.00039	\$0.00000	\$0.00000	\$0.00039
Block 2	\$0.00000	\$0.00033	\$0.00000	\$0.00000	\$0.00033
Block 3	\$0.00000	\$0.00023	\$0.00000	\$0.00000	\$0.00023
Block 4	\$0.00000	\$0.00014	\$0.00000	\$0.00000	\$0.00014
Block 5	\$0.00000	\$0.00008	\$0.00000	\$0.00000	\$0.00008
Block 6	\$0.00000	\$0.00004	\$0.00000	\$0.00000	\$0.00004
Block 1	\$0.00000	\$0.00037	\$0.00000	\$0.00000	\$0.00037
Block 2	\$0.00000	\$0.00031	\$0.00000	\$0.00000	\$0.00031
Block 3	\$0.00000	\$0.00022	\$0.00000	\$0.00000	\$0.00022
Block 4	\$0.00000	\$0.00013	\$0.00000	\$0.00000	\$0.00013
Block 5	\$0.00000	\$0.00007	\$0.00000	\$0.00000	\$0.00007
Block 6	\$0.00000	\$0.00004	\$0.00000	\$0.00000	\$0.00004
Block 1	\$0.00000	\$0.00038	\$0.00000	\$0.00000	\$0.00038
Block 2	\$0.00000	\$0.00032	\$0.00000	\$0.00000	\$0.00032
Block 3	\$0.00000	\$0.00023	\$0.00000	\$0.00000	\$0.00023
Block 4	\$0.00000	\$0.00013	\$0.00000	\$0.00000	\$0.00013
Block 5	\$0.00000	\$0.00008	\$0.00000	\$0.00000	\$0.00008
Block 6	\$0.00000	\$0.00004	\$0.00000	\$0.00000	\$0.00004
Block 1	\$0.00000	\$0.00036	\$0.00000	\$0.00000	\$0.00036
Block 2	\$0.00000	\$0.00031	\$0.00000	\$0.00000	\$0.00031
Block 3	\$0.00000	\$0.00022	\$0.00000	\$0.00000	\$0.00022
Block 4	\$0.00000	\$0.00013	\$0.00000	\$0.00000	\$0.00013
Block 5	\$0.00000	\$0.00007	\$0.00000	\$0.00000	\$0.00007
Block 6	\$0.00000	\$0.00004	\$0.00000	\$0.00000	\$0.00004
Block 1	\$0.00000	\$0.00033	\$0.00000	\$0.00000	\$0.00033
Block 2	\$0.00000	\$0.00028	\$0.00000	\$0.00000	\$0.00028
Block 3	\$0.00000	\$0.00020	\$0.00000	\$0.00000	\$0.00020
Block 4	\$0.00000	\$0.00012	\$0.00000	\$0.00000	\$0.00012
Block 5	\$0.00000	\$0.00007	\$0.00000	\$0.00000	\$0.00007
Block 6	\$0.00000	\$0.00003	\$0.00000	\$0.00000	\$0.00003
	\$0.00000	\$0.00002	\$0.00000	\$0.00000	\$0.00002
	Block 1 Block 2 Block 3 Block 4 Block 5 Block 6 Block 1 Block 2 Block 3 Block 4 Block 5 Block 6 Block 1 Block 2 Block 3 Block 4 Block 5 Block 6 Block 1 Block 2 Block 3 Block 4 Block 5 Block 6 Block 1 Block 5 Block 6 Block 1 Block 5 Block 6 Block 1 Block 2 Block 3 Block 4 Block 5 Block 6 Block 1 Block 2 Block 3 Block 4 Block 5 Block 6 Block 1 Block 5	Block 70%	T0% 30%	Block 70% 30%	Block 70% 30%

(continue to Sheet 177-5)

Issued September 15, 2015 NWN OPUC Advice No. 15-10A Effective with service on and after November 1, 2015

Issued by: NORTHWEST NATURAL GAS COMPANY

SCHEDULE 177 SYSTEM INTEGRITY PROGRAM (SIP) RECOVERY MECHANISM (continued)

APPLICATION TO RATE SCHEDULES:

Effective: November 1, 2015

(T)

(C)

(C)

The Adjustments shown below reflect a credit to customer rates associated with a cost of service reserve relating to the 2013-2014 PGA Year. The Adjustments shown below are included in the Temporary Adjustments in the listed Rate Schedules:

Block	Part A		Part B	Total Adjustment
	70%	30%		
	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Block 1	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Block 2	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Block 1	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Block 2	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Block 1	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Block 2	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Block 1	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Block 2	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Block 1	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Block 2	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Block 3	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Block 4	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Block 5	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Block 6	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 1 Block 2 Block 3 Block 3 Block 4 Block 5	### Took #### #### #####################	70% 30% \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 Block 1 \$0.00000 \$0.00000 Block 2 \$0.00000 \$0.00000 Block 3 \$0.00000 \$0.00000 Block 4 \$0.00000 \$0.00000 Block 5 \$0.00000 \$0.00000	\$0.00000 \$0.

(continue to Sheet 177-6)

Issued September 15, 2015 NWN OPUC Advice No. 15-10A Effective with service on and after November 1, 2015

Effective: November 1, 2015

SCHEDULE 177 SYSTEM INTEGRITY PROGRAM (SIP) RECOVERY MECHANISM (continued)

APPLICATION TO RATE SCHEDULES (continued):

(T)	
(D)	

(C)

(C)

Schedule	Block	Pa	rt A	Part B	Total Adjustment
Conocial	2.00.1	70%	30%	, and B	
32 (ISF)	Block 1	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 2	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 3	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 4	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 5	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 6	\$0.00000	\$0.00000	\$0.00000	\$0.00000
32 (TF)	Block 1	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 2	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 3	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 4	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 5	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 6	\$0.00000	\$0.00000	\$0.00000	\$0.00000
32 (CSI)	Block 1	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 2	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 3	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 4	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 5	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 6	\$0.00000	\$0.00000	\$0.00000	\$0.00000
32 (ISI)	Block 1	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 2	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 3	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 4	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 5	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 6	\$0.00000	\$0.00000	\$0.00000	\$0.00000
32 (TI)	Block 1	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 2	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 3	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 4	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 5	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 6	\$0.00000	\$0.00000	\$0.00000	\$0.00000
33 (all)		\$0.00000	\$0.00000	\$0.00000	\$0.00000

Issued September 15, 2015 NWN OPUC Advice No. 15-10A Effective with service on and after November 1, 2015

EXHIBIT A

BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON

NW NATURAL SUPPORTING MATERIALS

Non-Gas Cost Deferral Amortizations UM 1406 System Integrity Program

NWN OPUC Advice No. 15-10A/UG 296 September 15, 2015

NW NATURAL

EXHIBIT A

Supporting Material

Non-Gas Cost Deferral Amortizations – UM 1406

System Integrity Program

NWN OPUC ADVICE NO. 15-10A/UG 296

Description	Page
Calculation of Increments Allocated on the Equal Percentage of Margin Basis	1
Calculations of Increments Allocated on the Equal Cent Per Therm Basis	2
PGA Effects on Revenue	3
Cost of Service Summary	4
Safety Program Workpaper – Bare Steel/Leakage	5

NW Natural
Rates & Regulatory Affairs
2015-16 PGA - Oregon: September Filing
calculation of Increments Allocated on the EQUAL PERCENTAGE OF MARGIN BASIS
ALL VOLUMES IN THERMS

Multiplier Allocation to RS Into Multiplier Allocation to RS Into No. 1			vates page,		Increment page,	MARGIN	volumentic	od stolled		lotal	Revenue Sensitive Multiplier:	N/A rev		N/A rev sensitive factor is built in
100 100		١,	Column A	Column B+C+D*	Column A	Rate E=B-C-D	Margin	Charge	Customers	Margin	Amount to Amortize:	. 12		schedules
143,045.55 0.05918 0.55522 0.05588 0.55840 0.55910 0.55911 0.55911 0.55911 0.55911 0.55911 0.55911 0.55912 0.55911 0			1 01220	C PE 6.22	D 0.03301	E	F = E * A	5		1 212 102 749		≥ €	N 424 214	0
1811 1811		158,936,755	0.95518	0.55622	0.05288	0.34608	55,004,832	\$15.00	.	65,251,872		1.0	191,777	0.00121
1,212,400 0,505.00 0,000.00		3,811,735	0.93199	0.55622	0.03900	0.33677	1,283,678	\$15.00	l	1,333,718		1.0	3,920	0.00103
1,22,00.00 0.11999 0.10990 0.10990 0.11999 0		-	0.90927	0.55622	0.05295	0.32973	7.208.200	\$6.00	1,517	340,217		1.0	1,000	0.000143
1922,489 0.17170 0.00000 0.000001 0.18401 0.		2	0.67662	0.43383	0.05298	0.18981						1.0		0.00083
1,000, 1,000,		1 2	0.17309	0.00000	(0.00072)	0.17381	374,420	\$575.00	62	802,220		1.0	2,358	0.00109
11 144 11 1548 10 10 10 10 10 10 10 1			0.63779	0.43383	0.03909	0.16487	2,109,663	\$325.00	199	2,885,763		1.0	8,481	0.00066
March Marc			0.15988	0.00000	(0.00002)	0.15990	127,382	\$575.00	80	182,582		1.0	537	0.00067
789,092 0.55446 0.4388 0.03990 0.09170 0.091		1 2	0.14450	0.00000	(0.00001)	0.14451	3.242.704	\$675.00	346	6.045,304		1.0	17.767	0.00061
10,000 1			0.55465	0.43383	0.03906	0.08176						1.0		0.00045
Colorest	Blod	80	0.53064	0.43383	0.03907	0.05774						1.0		0.00032
4,464,409 0.08241 0.1383 0.03914 0.09953 0.09954 0.09954 0.09954 0.09954 0.09954 0.09956 0.09954 0.09956 0.0	Block		0.49221	0.43383	0.03912	0.01926						1.0		0.00011
1,12,12,12,12,12,12,12,12,12,12,12,12,12		4 4 4 5 40	0.48261	0.43383	0.03915	0.00963	070 070	00 3674	O.V	072 020 1		1.0	4 025	0.00005
1 80.5 27 0.5010-0 0.000000 0.000000 0.00000 0.00000			0.55389	0.43383	0.03918	0.08088	903,900	90/2/00	0	1,372,780		0.1	4,033	0.00033
0.27,753 0.25624 0.43333 0.133242 0.13333 0.133333 0.13333 0.133333 0.133333 0.13333 0.13333 0.13333 0.13333 0.13333 0.13333 0.13333 0.13333 0	Block	_	0.53013	0.43383	0.03921	0.05709						1.0		0.00023
12,006,597 0,04864 0,00000 0,00004 0,06464 3,900,067 3,925.00 116 5,247,667 110 15,423 10,5423	Bloc	627,9	0.50636	0.43383	0.03922	0.03331						0. 0		0.00014
1,200,657 0.0048 0.00000 0.00040 0.00440 0.00000 0.0			0.48263	0.43383	0.03924	0.00956						0.1		0.00004
Colored Colo		1	0.09488	0.00000	0.00004	0.09484	3,960,067	\$925.00	116	5,247,667		1.0	15,423	0.00037
1,1,2,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	Block	7 6	0.05697	0.00000	0.00004	0.05691						0.1		0.00022
1202.1256 10.00000 10.00000 10.00000 10.00000 1.000000 1.000000 1.000000 1.000000 1.000000 1.000000 1.000000 1.000000 1.000000 1.000000 1.000000 1.000000 1.000000 1.000000 1.566.222 1.000000 1.000000 1.566.222 1.000000 1.000000 1.566.222 1.000000 1.000000 1.	Block		0.03327	0.00000	0.00007	0.03320						1.0		0.00013
5,686,222 0,57899 0,43383 0,04415 0,09811 1,572,249 \$675,00 61 2,006,349 10 6,073 7,54,288 0,55439 0,44383 0,04415 0,08341 1,572,249 \$675,00 61 2,006,349 1,00 1,0 <	Blod	۰ 2	0.01906	0.00000	0.00009	0.01897						1.0		0.00007
7,563,286 0,51389 0,64518 0,04615 0,04617 0,068341 110 4,445,266 0,51438 0,04467 0,05887 0,04623 0,04623 0,04623 0,04623 0,04623 0,04966 1,00 11		1	0.57809	0.43383	0.04615	0.09811	1,572,249	\$675.00	61	2,066,349		1.0	6,073	0.00038
4,445,365 0.53894 0.43833 0.04420 0.04389 1.00 7,186,289 0.51484 0.43883 0.04420 0.04964 1.0 1.0 7,186,289 0.51418 0.44897 0.43883 0.04420 0.09964 1.0 1.0 8,144,326 0.64967 0.43883 0.04420 0.09964 1.0 1.0 1.0 8,141,2 0.55445 0.43883 0.04420 0.08836 2.201,208 \$675.00 71 2,776,308 1.0 1.0 8,145,742 0.55445 0.43883 0.04429 0.04829 0.04829 1.0 1.0 1.0 1,045,179 0.51445 0.43883 0.04429 0.04629 <td< td=""><td>Blod</td><td>2 2</td><td>0.56339</td><td>0.43383</td><td>0.04615</td><td>0.08341</td><td></td><td></td><td></td><td></td><td></td><td>1.0</td><td></td><td>0.00032</td></td<>	Blod	2 2	0.56339	0.43383	0.04615	0.08341						1.0		0.00032
71,870 0.49967 0.43383 0.04622 0.01964 1.0 1.0 0 0.43838 0.04622 0.00984 2,201,208 \$675.00 71 2,776,308 1.0 <td>Block</td> <td></td> <td>0.53889</td> <td>0.43383</td> <td>0.04619</td> <td>0.03435</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0, 0,</td> <td></td> <td>0.00023</td>	Block		0.53889	0.43383	0.04619	0.03435						0, 0,		0.00023
7,186,289 0,4999 0,43333 0,0462A 0,009084 2,201,208 \$675,00 71 2,776,308 110 8,160 8,946,142 0,56345 0,43383 0,0462A 0,099082 2,201,208 \$675,00 71 2,776,308 110 8,160 8,946,142 0,56345 0,43383 0,0462A 0,08336 2,201,208 110 110 110 8,135,755 0,4937 0,43383 0,04630 0,03432 10 110 110 110 4,597,392 0,49977 0,43833 0,04630 0,09982 5,569,605 \$550,605 1,00 110 19,142 11,306,695 0,00000 0,00000 0,08174 0,08174 0,08174 0,08174 0,08174 0,08174 0,08174 0,08174 0,08174 0,08174 0,00000 0,09000 0,09000 0,09000 0,09000 0,09000 0,09000 0,09000 0,09000 0,09000 0,09000 0,09000 0,09000 0,09000 0,09000 0,09000 <td>Block</td> <td></td> <td>0.49967</td> <td>0.43383</td> <td>0.04623</td> <td>0.01961</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.0</td> <td></td> <td>0.00008</td>	Block		0.49967	0.43383	0.04623	0.01961						1.0		0.00008
8/946,142 0.56345 0.43383 0.04626 0.08336 1.0 5,135,755 0.53895 0.43383 0.04629 0.08883 1.0 1,0445,179 0.513495 0.43383 0.04632 0.03422 1.0 4,597,392 0.49977 0.43383 0.04632 0.09620 1.0 4,597,392 0.48997 0.43383 0.04632 0.09646 5,569,605 85 6,513,105 11,306,695 0.05620 0.00000 0.00004 0.09616 5,569,605 85 6,513,105 110 19,142 11,306,695 0.05777 0.00000 0.00001 0.00007 0.03336 10 110 19,142 11,306,695 0.00000 0.00007 0.03336 0.01933 0.00009 0.		9 -	0.57815	0.43383	0.04626	0.09806	2,201,208	\$675.00	7.1	2.776.308		0.0	8.160	0.00036
5,135,755 0.5895 0.43383 0.04629 0.05883 1.0 10,445,179 0.513183 0.04630 0.03432 1.0 10,445,179 0.513183 0.04632 0.010641 1.0 11,506,000 0.04000 0.04632 0.00004 0.05000 0.05000 11,306,695 0.05777 0.00000 0.00001 0.05771 1.0 1.0 11,306,695 0.05777 0.00000 0.00007 0.01324 1.0 1.0 11,306,695 0.05777 0.00000 0.00007 0.01324 1.0 1.0 56,035,539 0.01973 0.00000 0.00007 0.00000 0		. 2	0.56345	0.43383	0.04626	0.08336						1.0		0.00031
10.445,174 0.43183 0.04530 0.04531 0.01961 1.00 1.05431 0.04532 0.04532 0.04532 0.04532 0.04532 0.04532 0.04532 0.04532 0.04532 0.04532 0.04532 0.04532 0.04532 0.04532 0.04532 0.04532 0.04532 0.04532 0.04532 0.04542 0.04542 0.04542 0.04542 0.05000 0.00000 0.05771 0.00000 0.00000 0.05771 0.00000 0.00000 0.05771 0.00000 0.00000 0.05771 0.00000 0.00000 0.05771 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	Block		0.53895	0.43383	0.04629	0.05883						1.0		0.00022
1 0.48997 0.43383 0.04632 0.00082 1.0 1.142 15,689,249 0.00000 0.000004 0.00004 0.00004 0.00004 0.00004 0.00004 0.00004 0.00004 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.00000 <td>Block</td> <td></td> <td>0.49977</td> <td>0.43383</td> <td>0.04633</td> <td>0.03432</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.1</td> <td></td> <td>0.00007</td>	Block		0.49977	0.43383	0.04633	0.03432						0.1		0.00007
15,489,249 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.00000 0.		9	0.48997	0.43383	0.04632	0.00982						1.0		0.00004
11,306,655 0,05777 0,00000 0,00006 0,05771 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1			0.09620	0.00000	0.00004	0.09616	5,569,605	\$925.00	82	6,513,105		0. 0	19,142	0.00033
28.429.084 0.03373 0.00000 0.00000 0.00366 78.278.64 0.007035 0.00000 0.00000 0.00000 0.00000 0.00000 78.278.64 0.00000 0.00000 0.000554 0.00000 0.000554 0.00000 0.000554 0.00000 962.859,686 318,650,513 318,650,513 318,650,513 318,650,513 936,522	Block	۱ ۳	0.05777	0.00000	0.00006	0.05771						1.0		0.00020
56,035,539 0.01933 0.00000 0.00000 0.01924 78,278,646 0.00000 0.00000 0.00054 0 \$38,000.00 0 0 962,859,686 1.00 1.00 1.00 0 0 100,000 0.00054 0 0 0 0 100,000 0.000564 0 0 0 0 100,000 0 0 0 0 0 100,000 0 0 0 0 0 100,000 0 0 0 0 0 100,000 0 0 0 0 0 100,000 0 0 0 0 0 100,000 0 0 0 0 0 0 100,000 0 0 0 0 0 0 0 100,000 0 0 0 0 0 0 0 0 100,000 0 0 0 0 0 0 0 0 0 0 100,000 0 0 0 0 0 0 0 0 0 0 0 0	Block	4	0.03373	0.00000	0.00007	0.03366						1.0		0.00012
962,859,686 0.00554 0.00000 0.00554 0 \$38,000.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Bloc	L 40	0.01933	000000	0.00009	0.00965						0. 0		0.00007
962,859,686 242,136,125 318,650,513 318,650,513 318,650,513 318,650,513			0.00554	0.00000	0.00000	0.00554	0	\$38,000.00	0	0		1.0	0	0.00002
	TOTALS	962,859,686					242,136,125			318,650,513		318,650,513	936,522	
	Sources for line 2 above													
	Inputs page											Line 35		
	Tariff Schedules													
	Rate Adjustment Schec	lule										Sched 177		

				SI	P: Bare Steel - 709	
		Oregon PGA	Proposed Amount:	2,185,217	PERMANENT Increr	nent
		Volumes page,	Revenue Sensitive Multiplier:	N/A	rev sensitive factor	is built in
		Column F	Amount to Amortize:	2,185,217	to res. & comm. firm :	sls & transp
				Multiplier	Volumes	Increment
Schedule	Block	Α		Z	AA	AB
2R		365,285,306		1.0	365,285,306	0.00388
3C Firm Sales		158,936,755		1.0	158,936,755	0.00388
31 Firm Sales		3,811,735	1	0.0	0	0.00000
27 Dry Out		700,552	1	1.0	700,552	0.00388
31C Firm Sales	Block 1	20,701,736	1	1.0	20,701,736	0.00388
	Block 2	15,317,497		1.0	15,317,497	0.00388
31C Firm Trans	Block 1	1,022,480	1	1.0	1,022,480	0.00388
	Block 2	1,238,213		1.0	1,238,213	0.00388
311 Firm Sales	Block 1	4,178,853	1	0.0	0	0.00000
	Block 2	9,536,789		0.0	0	0.00000
31I Firm Trans	Block 1	181,494		0.0	0	0.00000
	Block 2	680,650		0.0	0	0.00000
32C Firm Sales	Block 1	26,567,626		0.0	0	0.00000
020 1 00.00	Block 2	7,804,067		0.0	0	0.00000
	Block 3	829,092		0.0	0	0.00000
	Block 4	20,793		0.0	0	0.00000
	Block 5	0		0.0	0	0.00000
	Block 6	0		0.0	0	0.00000
321 Firm Sales	Block 1	4,645,409	+	0.0	0	0.00000
JZI I IIIII Jaics	Block 2	5,152,955		0.0	0	0.00000
	Block 3	1,826,257		0.0	0	0.00000
	Block 4			0.0	0	0.00000
		627,963			0	0.00000
	Block 5	(0)		0.0		
22 Firm Tropo	Block 6	12.007.507	4	0.0	0	0.00000
32 Firm Trans	Block 1	12,006,597		0.0	0	0.00000
	Block 2	16,315,496		0.0	0	0.00000
	Block 3	9,641,378		0.0	0	0.00000
	Block 4	16,134,178		0.0	0	0.00000
	Block 5	21,282,059		0.0	0	0.00000
	Block 6	1,920,752	_	0.0	0	0.00000
32C Interr Sales	Block 1	5,686,222		0.0	0	0.00000
	Block 2	7,563,208		0.0	0	0.00000
	Block 3	3,897,038		0.0	0	0.00000
	Block 4	4,445,365		0.0	0	0.00000
	Block 5	71,870		0.0	0	0.00000
	Block 6	0		0.0	0	0.00000
321 Interr Sales	Block 1	7,186,289		0.0	0	0.00000
	Block 2	8,946,142		0.0	0	0.00000
	Block 3	5,135,755		0.0	0	0.00000
	Block 4	10,445,179		0.0	0	0.00000
	Block 5	4,597,392		0.0	0	0.00000
	Block 6	1		0.0	0	0.00000
32 Interr Trans	Block 1	8,779,332		0.0	0	0.00000
	Block 2	15,689,249		0.0	0	0.00000
	Block 3	11,306,695		0.0	0	0.00000
	Block 4	28,429,084		0.0	0	0.00000
	Block 5	56,035,539		0.0	0	0.00000
	Block 6	78,278,646		0.0	0	0.00000
33		0		0.0	0	0.00000
TOTALS		962,859,686		•	563,202,538	0.00388
	abova	702,007,000			555,252,550	0.00000
Sources for line 2 Inputs page	above:			Line 33		
imputs page				LINE 33		
Tariff Schedules	Cahadula			School 177		
Rate Adjustment	scriedule			Sched 177		

PGA Effects on Revenue Tariff Advice 15-10: SIP

1		Including Revenue Sensitve Amount
2		<u></u>
3	Permanent Rate Adjustments	
4		
5	SIP Program Costs	
6	Addition of Proposed Bare Steel Program Costs	3,121,739
7		
8	Removal of Current Bare Steel Program Costs	(2,434,719)
9		
10		687,020
11		
12		
13		
14	2014 Oregon Earnings Test Normalized Total Revenues	\$678,848,000
15		
16	Effect of this filing, as a percentage change (line 9 ÷ line 14)	0.10%

NW Natural System Integrity Program Cost Tracking Cost of Service Summary - 2015-16 PGA: September filing

in Ti	housands of Dollars		Tracker Year
		Investment	Cost of Service
1	Bare Steel Program		
2			
3	Activity Ended October 31, 2013	\$7,529	\$971
4			
5	Activity Ended October 31, 2014	\$9,221	\$1,226
6			
7	Activity Ended October 31, 2015	\$5,959	\$925
8			
9	Total Bare Steel Program	<u>\$22,709</u>	\$3,122
10			
11			

¹² Reflects Actuals through July 31, 2015

NW Natural Rates & Regulatory Affairs

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25

2015-2016 PGA Filing - Oregon: September Filing Safety Program Workpaper - Bare Steel/Leakage

Bare Steel & Leakage Summary

	Dare Steel & Leakage Summary				
		(a)	(b)	(c)	(d) = (a) + (b) - (c)
	Investment per Engineering by Program Year:	<u>Leakage</u>	Bare Steel	first \$4MM=NWN	<u>Total</u>
	Nov 12 - Oct 13	1,439,424	13,053,971	4,000,000	10,493,395
1	Nov 13 - Oct 14	2,186,658	11,034,242	4,000,000	9,220,900
2	Nov 14 - Oct 15	2,887,619	6,070,994	3,000,000	5,958,613
3					
4	Project to Date Investment	6,513,701	30,159,207	11,000,000	25,672,908
5					
6	Reductions by Program Year:				
7	Agreed to Audit Adjustments:				
8	Audit of 2013 completed in 2014				0
9	Audit of 2014 completed in 2015				0
10	Audit of 2015 completed in 2016			-	0
11	Subtotal audit adjustments				0
12					
13					
14	Project to Date Investment Net of Audit Adjustme	ents			25,672,908
15					
16	Investment Amounts Included in Prior PGA Filings	s (by PGA Year):			
17	Nov 13 - Oct 14				10,493,395
18	Nov 14 - Oct 15				9,220,900
19	Nov 15 - Oct 16				0
20	Subtotal				19,714,295
21					
22	Net Investment to Include in Rates				5,958,613
23					

Program year lags the PGA year by 1 year. For example, in the 2015-16 PGA you would expect to see costs from Nov 14-Oct 15