

ONITA R. KING
Rates & Regulatory Affairs
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October 15, 2013

NWN WUTC Advice No. 13-6

VIA ELECTRONIC FILING

Steven V. King, Executive Director and Secretary
WASHINGTON UTILITIES &
TRANSPORTATION COMMISSION
1300 S Evergreen Park Drive, SW
Post Office Box 47250
Olympia, Washington 98504-7250

Re: Combined Effects: UG-131627 NWN Advice No. WUTC 13-4A; and
UG-131646 NWN Advice No. 13-5B
WSN Application Included

Northwest Natural Gas Company, dba NW Natural (NWN or the "Company") files herewith revisions to its Tariff WN U-6, as listed in the attached Table of Tariff Sheet Revisions, stated to become effective with service on and after November 1, 2013.

The purpose of this filing is to revise the rates in the listed Tariff Schedules to reflect the combined effects of changes to rates proposed by the Company under NWN Advice WUTC 13-4A docketed as UG 131627, the Company's Annual Purchased Gas Cost Adjustment; Deferred Gas Cost Amortization Adjustments; and other Non-Gas Cost Amortization Adjustments, and under NWN Advice WUTC 13-5 docketed as UG 131646, Schedule 215 Adjustments to Rates Energy Efficiency Services and Programs.

The combined effect of the rate changes proposed to become effective November 1, 2013 is an increase to the average monthly bills in the primary rate schedules as follows: Residential bills will increase by 1.5% and commercial bills will increase 1.6%. If the effects of the temporary rate adjustments were permanent, the combined result of all components of the rate changes would be an increase in the Company's revenues from its Washington operations of \$1,519,594.

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

In accordance with WAC 480-90-198, the Company declares that notice to customers was made through a customer newsletter inserted into customer bills beginning September 12, 2013, pursuant with WAC 480-90-194(5), a copy of which was included in the Company's initial filing in Docket UG 131627 dated August 30, 2013. In addition, the Company has this date also issued a press release regarding the combined effects of the rates changes proposed to become effective November 1, 2013.

This rate change affects all of NW Natural's Washington customers. NW Natural currently serves approximately 66,460 residential customers and 5,632 business and industrial customers in the Company's Washington service territory.

The Company respectfully requests that the tariff sheets filed herewith be approved to become effective with service on and after November 1, 2013. A request for waiver of statutory notice is included.

As required by WAC 480-80-103(4)(a), I certify that I have authority to issue tariff revisions on behalf of NW Natural.

Copies of this letter and the attached filing are available in the Company's main office in Portland, Oregon, and on its website at www.nwnatural.com.

Please address correspondence on this matter to me at ork@nwnatural.com, with copies to the following:

Kelley C. Miller, Rates Specialist
Rates & Regulatory Affairs
NW Natural
220 NW Second Avenue
Portland, Oregon 97209
Telecopier: (503) 721-2516
Telephone: (503) 226-4211, ext. 3589
kelley.miller@nwnatural.com
and
eFiling@nwnatural.com

Cristan Kelley, Rate Analyst
Rates and Regulatory Affairs
NW Natural
220 NW Second Avenue
Portland, Oregon 97209
Telecopier: (503) 721-2516
Telephone: (503) 226-4211 x3582
cristan.kelley@nwnatural.com

Sincerely,

NW NATURAL

/s/ Onita R. King

Onita R. King
Rates & Regulatory Affairs
Attachments: Supporting Materials

TABLE OF TARIFF SHEET REVISIONS
PROPOSED TO BECOME EFFECTIVE NOVEMBER 1, 2013

PROPOSED REVISION	CANCELS REVISION	SCHEDULE TITLE
Effective November 1, 2013	Effective November 1, 2012	Summary of Monthly Sales Service Billing Rates
Effective November 1, 2013	Effective November 1, 2012	Summary of Monthly Transportation Service Billing Rates
Twenty-Second Revision of Sheet 101.1	Twenty-First Revision of Sheet 101.1	Schedule 1 "General Sales Service"
Twenty-Second Revision of Sheet 102.1	Twenty-First Revision of Sheet 102.1	Schedule 2 "Residential Sales Service"
Tenth Revision of Sheet 103.3	Ninth Revision of Sheet 103.3	Schedule 3 "Basic Firm Sales Service – Non-Residential (continued)"
Twenty-Second Revision of Sheet 127.1	Twenty-First Revision of Sheet 127.1	Schedule 27 "Residential Heating Dry-Out Service"
Eighth Revision of Sheet 141.9	Seventh Revision of Sheet 141.9	Schedule 41 "Non-Residential Sales and Transportation Service (continued)"
Third Revision of Sheet 141.10	Second Revision of Sheet 141.10	Schedule 41 "Non-Residential Sales and Transportation Service (continued)"
Ninth Revision of Sheet 142.10	Eighth Revision of Sheet 142.10	Schedule 42 "Large Volume Non-Residential Sales and Transportation Service (continued)"
Fourth Revision of Sheet 142.10.1	Third Revision of Sheet 142.10.1	Schedule 42 "Large Volume Non-Residential Sales and Transportation Service (continued)"
Eighth Revision of Sheet 142.11	Seventh Revision of Sheet 142.11	Schedule 42 "Large Volume Non-Residential Sales and Transportation Service (continued)"
Eighth Revision of Sheet 143.6	Seventh Revision of Sheet 143.6	Schedule 43 "High-Volume Non-Residential Firm and Interruptible Transportation Service (continued)"
Twentieth Revision of Sheet 201.1	Nineteenth Revision of Sheet 201.1	Schedule 201 "Temporary (Technical) Adjustments to Rates"
Eleventh Revision of Sheet 201.2	Tenth Revision of Sheet 201.2	Schedule 201 "Temporary (Technical) Adjustments to Rates"

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

LESS THAN STATUTORY NOTICE AND WAIVER OF CUSTOMER NOTICE RULES REQUESTED BY:

(Utility Name) Northwest Natural Gas Company (Utility UBI Number)

(Utility d/b/a if different than registered name) NW Natural

Utility proposes to change Tariff Sheets Number WN U-6
(tariff title, price list title, etc.)

Present provisions are: **See Attached Table of Tariff Sheet Revisions.**

Proposed changes are: **See Attached Table of Tariff Sheet Revisions.**

Indicate below, or attach, an explanation of the reason the company requests permission to file the proposed provisions with less than statutory notice and to provide notification to customers on less than required notice.

A waiver of less than statutory notice is requested to ensure that these sheets are approved and become effective on November 1, 2013.

Onita R. King is authorized to issue and file tariffs on behalf of NW Natural
(Name and title of issuing agent) (Name of Utility)

Signature and Title of Company Officer

I request these provisions become effective on November 1, 2013

/s/ Onita R. King (Date)
(Signature of Authorized Agent) Manager, Tariffs and Compliance (Title)

Onita R. King
(Print Name)

(503) 721-2452 (503) 721-2516 ork@nwnatural.com
(Telephone Number) (Fax Number) (E-Mail Address)

220 NW Second Avenue Portland Oregon 97209
(Mailing Address) (City) (State) (Zip Code)

**WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION
O R D E R**

The Commissioners, having determined this order is consistent with the public interest, directed the Secretary to enter this order granting the provisions requested above.

DATED and signed at Olympia, Washington, this _____ Day of _____
(Month and Year)

Executive Director and Secretary

**TABLE OF TARIFF SHEET REVISIONS
PROPOSED TO BECOME EFFECTIVE NOVEMBER 1, 2013**

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Twenty-Second Revision of Sheet 102.1	Twenty-First Revision of Sheet 102.1	Schedule 2 "Residential Sales Service"
Tenth Revision of Sheet 103.3	Ninth Revision of Sheet 103.3	Schedule 3 "Basic Firm Sales Service – Non-Residential (continued)"
Twenty-Second Revision of Sheet 127.1	Twenty-First Revision of Sheet 127.1	Schedule 27 "Residential Heating Dry-Out Service"
Eighth Revision of Sheet 141.9	Seventh Revision of Sheet 141.9	Schedule 41 "Non-Residential Sales and Transportation Service (continued)"
Third Revision of Sheet 141.10	Second Revision of Sheet 141.10	Schedule 41 "Non-Residential Sales and Transportation Service (continued)"
Ninth Revision of Sheet 142.10	Eighth Revision of Sheet 142.10	Schedule 42 "Large Volume Non-Residential Sales and Transportation Service (continued)"
Fourth Revision of Sheet 142.10.1	Third Revision of Sheet 142.10.1	Schedule 42 "Large Volume Non-Residential Sales and Transportation Service (continued)"
Eighth Revision of Sheet 142.11	Seventh Revision of Sheet 142.11	Schedule 42 "Large Volume Non-Residential Sales and Transportation Service (continued)"
Eighth Revision of Sheet 143.6	Seventh Revision of Sheet 143.6	Schedule 43 "High-Volume Non-Residential Firm and Interruptible Transportation Service (continued)"
Twentieth Revision of Sheet 201.1	Nineteenth Revision of Sheet 201.1	Schedule 201 "Temporary (Technical) Adjustments to Rates"
Eleventh Revision of Sheet 201.2	Tenth Revision of Sheet 201.2	Schedule 201 "Temporary (Technical) Adjustments to Rates"

<p>SCHEDULE 1 <u>GENERAL SALES SERVICE</u></p>	<p>SCHEDULE 2 <u>RESIDENTIAL SALES SERVICE</u></p>	<p>SCHEDULE 3 <u>BASIC FIRM SALES SERVICE</u></p>	<p>SCHEDULE 10 <u>SPECIAL METERING EQUIPMENT</u></p>	
<p>Usage Charges: Customer Charge \$3.47 Res'l Usage Charge (per therm): \$1.23287 Com'l Usage Charge (per therm): \$1.22363 Minimum Monthly Bill \$3.47</p>	<p>Usage Charges: Customer Charge \$7.00 All therms \$0.94643 Minimum Monthly Bill \$7.00</p>	<p>Usage Charges: Customer Charge \$15.00 Commercial All therms \$0.94756 Industrial All therms \$0.92712 Minimum Monthly Bill \$15.00</p>	<p>Meter Size: First 150 CF/hr./mo. Capacity \$0.40628 Next 800 CF/hr./mo. Capacity \$0.00165 +minimum monthly rental charge All add'l CF/hr./mo. Capacity \$0.00241 +minimum monthly rental charge Minimum Monthly Rental \$0.40628 Charge for Meter Reading \$0.36</p>	
<p>SCHEDULE 27 <u>RESIDENTIAL HEATING DRY-OUT SERVICE</u></p>	<p>SCHEDULE 41 <u>NON-RESIDENTIAL SALES SERVICE</u></p>	<p>SCHEDULE 42 <u>LARGE VOLUME NON-RESIDENTIAL FIRM SALES SERVICE</u></p>	<p>SCHEDULE 42 <u>LARGE VOLUME NON-RESIDENTIAL INTERRUPTIBLE SALES SERVICE</u></p>	<p><u>OTHER CHARGES:</u></p>
<p>Usage Charge: Customer Charge \$6.00 Per therm, all therms \$0.78061 Minimum Monthly Bill \$6.00</p>	<p>Customer Charge: \$250.00 Volumetric Charges: Commercial Firm Service: 1st 2,000 therms: \$0.68579 All additional therms: \$0.64786 Industrial Firm Service: 1st 2,000 therms: \$0.67005 All additional therms: \$0.63398 Plus Pipeline Capacity Charges*: Firm (MDDV): \$2.09 Firm (per therm): \$0.14005 Commercial Interruptible Service: 1st 2,000 therms: \$0.69673 All additional therms: \$0.65891 Industrial Interruptible Service: 1st 2,000 therms: \$0.68182 All additional therms: \$0.64578 Plus Pipeline Capacity Charge (per therm): \$0.04892 Minimum Monthly Bill: Customer Charge, plus Volumetric Charges, plus applicable Pipeline Capacity Charge.</p>	<p>Customer Charge: \$1,300.00 Commercial Volumetric Charges: 1st 10,000 therms: \$0.49666 Next 20,000 therms: \$0.48304 Next 20,000 therms: \$0.45590 Next 100,000 therms: \$0.43806 Next 600,000 therms: \$0.41425 All additional therms: \$0.38451 Industrial Volumetric Charges: 1st 10,000 therms: \$0.48636 Next 20,000 therms: \$0.47380 Next 20,000 therms: \$0.44883 Next 100,000 therms: \$0.43240 Next 600,000 therms: \$0.41050 All additional therms: \$0.38309 Plus Storage Charge (per MDDV) \$0.20415 Distribution Capacity Chg. (MDDV) \$0.15748 Firm Pipeline Capacity Charges*: Per MDDV: \$2.09 Per therm: \$0.14005 Minimum Monthly Bill: Customer Charge, plus Volumetric Charges, plus applicable Pipeline Capacity Charge, plus the Storage and Distribution Charges.</p>	<p>Customer Charge: \$1,300.00 Volumetric Charges: Industrial 1st 10,000 therms: \$0.49817 Next 20,000 therms: \$0.48565 Next 20,000 therms: \$0.46076 Next 100,000 therms: \$0.44437 Next 600,000 therms: \$0.42251 All additional therms: \$0.39521 Volumetric Charges: Commercial 1st 10,000 therms: \$0.50361 Next 20,000 therms: \$0.49051 Next 20,000 therms: \$0.46447 Next 100,000 therms: \$0.44733 Next 600,000 therms: \$0.42450 All additional therms: \$0.39596 Plus Pipeline Capacity Chg. per therm: \$0.04892 Plus Storage Charge per MDDV: \$0.10208 Minimum Monthly Bill: Customer Charge, plus Volumetric Charges, plus Pipeline Capacity Charge, plus Storage Charge.</p>	<p>Telemetry Charge (per month) \$127.00 Standard Unauthorized Use: \$ 2.00/th Unauthorized Use - Violation of Curtailment Order \$10.00/th</p>



WASHINGTON

SUMMARY OF MONTHLY TRANSPORTATION SERVICE BILLING RATES

EFFECTIVE:
November 1, 2013

SCHEDULE 41 NON-RESIDENTIAL TRANSPORTATION SERVICE	SCHEDULE 42 LARGE VOLUME NON-RESIDENTIAL FIRM TRANSPORTATION SERVICE	SCHEDULE 43 HIGH-VOLUME NON-RESIDENTIAL TRANSPORTATION SERVICE	<u>OTHER CHARGES:</u>
Customer Charge: \$250.00 Transportation Charge: \$250.00	Customer Charge: \$1,300.00 Transportation Charge: \$250.00	Customer Charge: \$38,000.00 Transportation Charge: \$250.00	Monthly Telemetry Charge: \$127.00 Standard Unauthorized Use: \$2.00/th Unauthorized Use - Violation of Curtailment Order: \$10.00/th Annual Sales WACOG: \$0.39697 Winter Sales WACOG: \$0.39738
Volumetric Charges: 1st 2,000 therms: \$0.29805 All additional therms: \$0.26260	Volumetric Charges: 1st 10,000 therms: \$0.11703 Next 20,000 therms: \$0.10476 Next 20,000 therms: \$0.08033 Next 100,000 therms: \$0.06427 Next 600,000 therms: \$0.04285 All additional therms: \$0.01606	Volumetric Charges: All therms: \$0.00495	
Minimum Monthly Bill: \$500.00	Firm Distribution Capacity Chg. (MDDV) \$0.15748	If Firm Service, ADD: Distribution Capacity Chg. (MDDV) \$0.15748	
	Minimum Monthly Bill: \$1,550.00 Plus for Firm Service: Distribution Capacity Charge	Minimum Monthly Bill: \$38,250.00 Plus for Firm Service: Distribution Capacity Charge	
	SCHEDULE 42 LARGE VOLUME NON-RESIDENTIAL INTERRUPTIBLE TRANSPORTATION SERVICE	<u>PENALTY CHARGES:</u>	
	Customer Charge: \$1,300.00 Transportation Charge: \$250.00	Balancing Charge (excess over 5%) \$1.00/therm Entitlement Overrun Charges: Excess < threshold + 2% \$0.50/therm Excess > threshold + 2% \$1.00/therm Entitlement Underrun Charges: 5% to 10% \$0.50/therm Over 10% \$1.00/therm Underrun not cleared \$1.00/therm	
	Volumetric Charges: 1st 10,000 therms: \$0.11713 Next 20,000 therms: \$0.10485 Next 20,000 therms: \$0.08040 Next 100,000 therms: \$0.06432 Next 600,000 therms: \$0.04289 All additional therms: \$0.01608 Minimum Monthly Bill: \$1,550.00		



Issued October 15, 2013
NWN WUTC Advice No. 13-6

Effective with service on
and after November 1, 2013

RATE SUMMARY

BEFORE THE
WASHINGTON UTILITIES & TRANSPORTATION COMMISSION

NW NATURAL
SUPPORTING MATERIALS

Combined Effects of
October 15, 2013 Filings

NWN WUTC Advice No. 13-6
UG-____
October 15, 2013



Supporting Materials
Combined Effects of
October 15, 2013 Filings
NWN WUTC Advice No. 13-6 / UG-_____

Description	Page
<u>Combined Effects</u>	
Calculation of Proposed Rates - Summary	1
Combined Effects on Average Bill by Rate Schedule	2
Summary of Temporary Increments	3
PGA Effects on Revenue	4
Calculation of Increments on Equal % of Margin	5
Calculation of Increments on Equal cent per therm	6

NW Natural
Rates & Regulatory Affairs
2013-2014 PGA Filing - Washington: October Filing
Calculation of Proposed Rates - SUMMARY

		11/1/2012 Billing Rates	Net change WACOG	Net change Demand [1]	Proposed Rates PGA Only [1]	Net change PGA Temporary Increments	Net change R&C Energy Efficiency Increment	Proposed 11/1/2013 Billing Rates [1]
		D=A+B+C				G=D+E		
Schedule	Block	A	B	C	D	E	F	G
1R		1.21592	0.01038	(0.00034)	1.22596	(0.00916)	0.01607	1.23287
1C		1.20611	0.01038	(0.00034)	1.21615	(0.00611)	0.01359	1.22363
2R		0.93022	0.01038	(0.00034)	0.94026	(0.00422)	0.01039	0.94643
3 CFS		0.93197	0.01038	(0.00034)	0.94201	(0.00355)	0.00910	0.94756
3 IFS		0.91994	0.01038	(0.00034)	0.92998	(0.00286)	0.00000	0.92712
27		0.76588	0.01038	(0.00034)	0.77592	(0.00308)	0.00777	0.78061
41C Firm Sales	Block 1	0.67049	0.01038	0.00000	0.68087	(0.00230)	0.00722	0.68579
	Block 2	0.63290	0.01038	0.00000	0.64328	(0.00177)	0.00635	0.64786
41C Interr Sales	Block 1	0.67900	0.01038	0.00000	0.68938	0.00056	0.00679	0.69673
	Block 2	0.64148	0.01038	0.00000	0.65186	0.00107	0.00598	0.65891
41 Firm Trans	Block 1	0.30077	0.00000	0.00000	0.30077	(0.00272)	0.00000	0.29805
	Block 2	0.26500	0.00000	0.00000	0.26500	(0.00240)	0.00000	0.26260
41I Firm Sales	Block 1	0.66199	0.01038	0.00000	0.67237	(0.00232)	0.00000	0.67005
	Block 2	0.62540	0.01038	0.00000	0.63578	(0.00180)	0.00000	0.63398
41I Interr Sales	Block 1	0.67088	0.01038	0.00000	0.68126	0.00056	0.00000	0.68182
	Block 2	0.63433	0.01038	0.00000	0.64471	0.00107	0.00000	0.64578
42C Firm Sales	Block 1	0.48281	0.01038	0.00000	0.49319	(0.00092)	0.00439	0.49666
	Block 2	0.46934	0.01038	0.00000	0.47972	(0.00061)	0.00393	0.48304
	Block 3	0.44250	0.01038	0.00000	0.45288	0.00001	0.00301	0.45590
	Block 4	0.42485	0.01038	0.00000	0.43523	0.00042	0.00241	0.43806
	Block 5	0.40131	0.01038	0.00000	0.41169	0.00096	0.00160	0.41425
	Block 6	0.37188	0.01038	0.00000	0.38226	0.00165	0.00060	0.38451
42I Firm Sales	Block 1	0.47623	0.01038	0.00000	0.48661	(0.00025)	0.00000	0.48636
	Block 2	0.46344	0.01038	0.00000	0.47382	(0.00002)	0.00000	0.47380
	Block 3	0.43798	0.01038	0.00000	0.44836	0.00047	0.00000	0.44883
	Block 4	0.42123	0.01038	0.00000	0.43161	0.00079	0.00000	0.43240
	Block 5	0.39891	0.01038	0.00000	0.40929	0.00121	0.00000	0.41050
	Block 6	0.37097	0.01038	0.00000	0.38135	0.00174	0.00000	0.38309
42 Firm Trans	Block 1	0.11818	0.00000	0.00000	0.11818	(0.00115)	0.00000	0.11703
	Block 2	0.10579	0.00000	0.00000	0.10579	(0.00103)	0.00000	0.10476
	Block 3	0.08112	0.00000	0.00000	0.08112	(0.00079)	0.00000	0.08033
	Block 4	0.06490	0.00000	0.00000	0.06490	(0.00063)	0.00000	0.06427
	Block 5	0.04327	0.00000	0.00000	0.04327	(0.00042)	0.00000	0.04285
	Block 6	0.01622	0.00000	0.00000	0.01622	(0.00016)	0.00000	0.01606
42C Interr Sales	Block 1	0.48791	0.01038	0.00000	0.49829	0.00312	0.00220	0.50361
	Block 2	0.47485	0.01038	0.00000	0.48523	0.00331	0.00197	0.49051
	Block 3	0.44889	0.01038	0.00000	0.45927	0.00370	0.00150	0.46447
	Block 4	0.43181	0.01038	0.00000	0.44219	0.00394	0.00120	0.44733
	Block 5	0.40904	0.01038	0.00000	0.41942	0.00427	0.00081	0.42450
	Block 6	0.38058	0.01038	0.00000	0.39096	0.00470	0.00030	0.39596
42I Interr Sales	Block 1	0.48480	0.01038	0.00000	0.49518	0.00299	0.00000	0.49817
	Block 2	0.47207	0.01038	0.00000	0.48245	0.00320	0.00000	0.48565
	Block 3	0.44676	0.01038	0.00000	0.45714	0.00362	0.00000	0.46076
	Block 4	0.43012	0.01038	0.00000	0.44050	0.00387	0.00000	0.44437
	Block 5	0.40791	0.01038	0.00000	0.41829	0.00422	0.00000	0.42251
	Block 6	0.38016	0.01038	0.00000	0.39054	0.00467	0.00000	0.39521
42 Inter Trans	Block 1	0.11818	0.00000	0.00000	0.11818	(0.00105)	0.00000	0.11713
	Block 2	0.10579	0.00000	0.00000	0.10579	(0.00094)	0.00000	0.10485
	Block 3	0.08112	0.00000	0.00000	0.08112	(0.00072)	0.00000	0.08040
	Block 4	0.06490	0.00000	0.00000	0.06490	(0.00058)	0.00000	0.06432
	Block 5	0.04327	0.00000	0.00000	0.04327	(0.00038)	0.00000	0.04289
	Block 6	0.01622	0.00000	0.00000	0.01622	(0.00014)	0.00000	0.01608
43 Firm Trans		0.00499	0.00000	0.00000	0.00499	(0.00004)	0.00000	0.00495
43 Interr Trans		0.00499	0.00000	0.00000	0.00499	(0.00004)	0.00000	0.00495
Intentionally blank								

Sources:

Direct Inputs	12-13 PGA						
Rates in detail		Column F - B	Column G+H-C-D		Column K - J	Column L - M	Column N

[1] Rate Schedule 41 and 42 customers may choose demand charges at a volumetric rate or based on MDDV.
 For convenience of presentation, demand charges are not shown for those schedules.

Calculation of Effect on Customer Average Bill by Rate Schedule [1]

		Washington PGA Normalized Volumes page, Column D	Therms in Block	Normal Therms Monthly Average Use	Minimum Monthly Charge	Current 11/1/2012 Billing Rates	11/1/2012 Current Average Bill	Proposed 11/1/2013 Total Rates	Proposed 11/1/2013 Total Average Bill	Proposed 11/1/2013 Total % Bill Change
	Schedule	A	B	C	D	E	F=D+(C * E)	P	Q=D+(C * P)	R=(Q - F)/F
1										
2										
3										
4										
5										
6										
7	1R	151,965	N/A	17.0	3.47	1.21592	24.14	1.23287	24.43	1.2%
8	1C	60,454	N/A	168.0	3.47	1.20611	206.10	1.22363	209.04	1.4%
9	2R	43,836,725	N/A	56.0	7.00	0.93022	59.09	0.94643	60.00	1.5%
10	3 CFS	16,648,694	N/A	255.0	15.00	0.93197	252.65	0.94756	256.63	1.6%
11	3 IFS	494,027	N/A	2,573.0	15.00	0.91994	2,382.01	0.92712	2,400.48	0.8%
12	27	162,785	N/A	36.0	6.00	0.76588	33.57	0.78061	34.10	1.6%
13	41C Firm Sales	1,991,266	2,000	3,630.0	250.00	0.67049		0.68579		
14	Block 2	1,929,527	all additional			0.63290		0.64786		
15	TOTAL						2,622.61		2,677.59	2.1%
16	41C Interr Sales	0	2,000	0.0	250.00	0.67900		0.69673		
17	Block 2	0	all additional			0.64148		0.65891		
18	TOTAL						250.00		250.00	0.0%
19	41 Firm Trans	47,796	2,000	5,739.0	500.00	0.30077		0.29805		
20	Block 2	89,936	all additional			0.26500		0.26260		
21	TOTAL						2,092.38		2,077.96	-0.7%
22	41I Firm Sales	200,889	2,000	3,866.0	250.00	0.66199		0.67005		
23	Block 2	216,598	all additional			0.62540		0.63398		
24	TOTAL						2,740.98		2,773.11	1.2%
25	41I Interr Sales	0	2,000	0.0	250.00	0.67088		0.68182		
26	Block 2	0	all additional			0.63433		0.64578		
27	TOTAL						250.00		250.00	0.0%
28	42C Firm Sales	631,909	10,000	11,071.0	1,300.00	0.48281		0.49666		
29	Block 2	280,259	20,000			0.46934		0.48304		
30	Block 3	17,792	20,000			0.44250		0.45590		
31	Block 4	0	100,000			0.42485		0.43806		
32	Block 5	0	600,000			0.40131		0.41425		
33	Block 6	0	all additional			0.37188		0.38451		
34	TOTAL						6,630.76		6,783.94	2.3%
35	42I Firm Sales	1,087,804	10,000	15,107.0	1,300.00	0.47623		0.48636		
36	Block 2	792,447	20,000			0.46344		0.47380		
37	Block 3	273,019	20,000			0.43798		0.44883		
38	Block 4	22,079	100,000			0.42123		0.43240		
39	Block 5	0	600,000			0.39891		0.41050		
40	Block 6	0	all additional			0.37097		0.38309		
41	TOTAL						8,429.09		8,583.30	1.8%
42	42 Firm Trans	982,602	10,000	45,302.0	1,550.00	0.11818		0.11703		
43	Block 2	945,098	20,000			0.10579		0.10476		
44	Block 3	720,000	20,000			0.08112		0.08033		
45	Block 4	1,495,095	100,000			0.06490		0.06427		
46	Block 5	749,810	600,000			0.04327		0.04285		
47	Block 6	0	all additional			0.01622		0.01606		
48	TOTAL						6,088.90		6,044.71	-0.7%
49	42C Interr Sales	565,059	10,000	103,409.0	1,300.00	0.48791		0.50361		
50	Block 2	1,072,682	20,000			0.47485		0.49051		
51	Block 3	554,000	20,000			0.44889		0.46447		
52	Block 4	290,078	100,000			0.43181		0.44733		
53	Block 5	0	600,000			0.40904		0.42450		
54	Block 6	0	all additional			0.38058		0.39596		
55	TOTAL						47,716.44		49,327.15	3.4%
56	42I Interr Sales	806,551	10,000	28,801.0	1,300.00	0.48480		0.49817		
57	Block 2	535,231	20,000			0.47207		0.48565		
58	Block 3	40,680	20,000			0.44676		0.46076		
59	Block 4	0	100,000			0.43012		0.44437		
60	Block 5	0	600,000			0.40791		0.42251		
61	Block 6	0	all additional			0.38016		0.39521		
62	TOTAL						15,023.39		15,412.41	2.6%
63	42 Inter Trans	846,474	10,000	73,085.0	1,550.00	0.11818		0.11713		
64	Block 2	1,573,592	20,000			0.10579		0.10485		
65	Block 3	1,144,957	20,000			0.08112		0.08040		
66	Block 4	3,778,518	100,000			0.06490		0.06432		
67	Block 5	2,303,680	600,000			0.04327		0.04289		
68	Block 6	0	all additional			0.01622		0.01608		
69	TOTAL						7,968.22		7,911.13	-0.7%
70	43 Firm Trans	0	N/A	0.0	38,000.00	0.00499	38,000.00	0.00495	38,000.00	N/A
71	43 Interr Trans	0	N/A	0.0	38,000.00	0.00499	38,000.00	0.00495	38,000.00	N/A
72	Intentionally blank									
73										
74	Totals									
75										
76										
77	Sources:									
78	Direct Inputs		per Tariff			per Tariff				
79										
80	Rates in summary					Column A		Column G		
81										
82	[1] Rate Schedule 41 and 42 customers may choose demand charges at a volumetric rate or based on MDDV. For convenience of presentation, demand charges are not included in the calculations for those schedules.									

		REMOVE	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD		
		Current	WACOG	Demand	Demand	R&C Energy	Low Income	Property	Property	Total Proposed	Net Effect of	
		Temporaries	Deferral	Deferral	Deferral	Efficiency	Bill Pay	Sales	Sales	Temporaries	Temps	
				FIRM	INTERR	Programs	Assistance	WA-LIEE				
							(GREAT)					
		A	B	C	D	E	F	G	H	I	J	
										H= sum B thru H	J = I - A	
7	Schedule 1R	0.00524	(0.01161)	(0.01869)	0.00000	0.03752	0.01063	0.00045	(0.00615)	0.01215	0.00691	
8	1C	(0.00428)	(0.01161)	(0.01869)	0.00000	0.02961	0.00839	0.00035	(0.00485)	0.00320	0.00748	
9	2R	(0.01081)	(0.01161)	(0.01869)	0.00000	0.02268	0.00642	0.00027	(0.00371)	(0.00464)	0.00617	
10	3 CFS	(0.01315)	(0.01161)	(0.01869)	0.00000	0.02006	0.00568	0.00024	(0.00328)	(0.00760)	0.00555	
11	3 IFS	(0.02510)	(0.01161)	(0.01869)	0.00000	0.00000	0.00505	0.00021	(0.00292)	(0.02796)	(0.00286)	
12	27	(0.01496)	(0.01161)	(0.01869)	0.00000	0.01770	0.00502	0.00021	(0.00290)	(0.01027)	0.00469	
13	41C Firm Sales	Block 1 (0.01740)	(0.01161)	(0.01869)	0.00000	0.01575	0.00446	0.00019	(0.00258)	(0.01248)	0.00492	
14		Block 2 (0.01918)	(0.01161)	(0.01869)	0.00000	0.01387	0.00393	0.00017	(0.00227)	(0.01460)	0.00458	
15	41C Interr Sales	Block 1 (0.00867)	(0.01161)	0.00000	(0.00653)	0.01491	0.00435	0.00018	(0.00262)	(0.00132)	0.00735	
16		Block 2 (0.01038)	(0.01161)	0.00000	(0.00653)	0.01313	0.00383	0.00016	(0.00231)	(0.00333)	0.00705	
17	41 Firm Trans	Block 1 0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	(0.00272)	(0.00272)	(0.00272)	
18		Block 2 0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	(0.00240)	(0.00240)	(0.00240)	
19	41I Firm Sales	Block 1 (0.02593)	(0.01161)	(0.01869)	0.00000	0.00000	0.00441	0.00019	(0.00255)	(0.02825)	(0.00232)	
20		Block 2 (0.02670)	(0.01161)	(0.01869)	0.00000	0.00000	0.00389	0.00016	(0.00225)	(0.02850)	(0.00180)	
21	41I Interr Sales	Block 1 (0.01679)	(0.01161)	0.00000	(0.00653)	0.00000	0.00435	0.00018	(0.00262)	(0.01623)	0.00056	
22		Block 2 (0.01753)	(0.01161)	0.00000	(0.00653)	0.00000	0.00383	0.00016	(0.00231)	(0.01646)	0.00107	
23	42C Firm Sales	Block 1 (0.02232)	(0.01161)	(0.01869)	0.00000	0.01012	0.00287	0.00012	(0.00166)	(0.01885)	0.00347	
24		Block 2 (0.02336)	(0.01161)	(0.01869)	0.00000	0.00906	0.00257	0.00011	(0.00148)	(0.02004)	0.00332	
25		Block 3 (0.02547)	(0.01161)	(0.01869)	0.00000	0.00694	0.00197	0.00008	(0.00114)	(0.02245)	0.00302	
26		Block 4 (0.02684)	(0.01161)	(0.01869)	0.00000	0.00556	0.00157	0.00007	(0.00091)	(0.02401)	0.00283	
27		Block 5 (0.02868)	(0.01161)	(0.01869)	0.00000	0.00370	0.00105	0.00004	(0.00061)	(0.02612)	0.00256	
28		Block 6 (0.03098)	(0.01161)	(0.01869)	0.00000	0.00139	0.00039	0.00002	(0.00023)	(0.02873)	0.00225	
29	42I Firm Sales	Block 1 (0.02887)	(0.01161)	(0.01869)	0.00000	0.00000	0.00253	0.00011	(0.00146)	(0.02912)	(0.00025)	
30		Block 2 (0.02923)	(0.01161)	(0.01869)	0.00000	0.00000	0.00226	0.00010	(0.00131)	(0.02925)	(0.00002)	
31		Block 3 (0.02996)	(0.01161)	(0.01869)	0.00000	0.00000	0.00174	0.00007	(0.00100)	(0.02949)	0.00047	
32		Block 4 (0.03044)	(0.01161)	(0.01869)	0.00000	0.00000	0.00139	0.00006	(0.00080)	(0.02965)	0.00079	
33		Block 5 (0.03108)	(0.01161)	(0.01869)	0.00000	0.00000	0.00093	0.00004	(0.00054)	(0.02987)	0.00121	
34		Block 6 (0.03188)	(0.01161)	(0.01869)	0.00000	0.00000	0.00035	0.00001	(0.00020)	(0.03014)	0.00174	
35	42 Firm Trans	Block 1 0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	(0.00115)	(0.00115)	(0.00115)	
36		Block 2 0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	(0.00103)	(0.00103)	(0.00103)	
37		Block 3 0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	(0.00079)	(0.00079)	(0.00079)	
38		Block 4 0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	(0.00063)	(0.00063)	(0.00063)	
39		Block 5 0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	(0.00042)	(0.00042)	(0.00042)	
40		Block 6 0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	(0.00016)	(0.00016)	(0.00016)	
41	42C Interr Sales	Block 1 (0.01710)	(0.01161)	0.00000	(0.00653)	0.00562	0.00159	0.00007	(0.00092)	(0.01178)	0.00532	
42		Block 2 (0.01773)	(0.01161)	0.00000	(0.00653)	0.00503	0.00142	0.00006	(0.00082)	(0.01245)	0.00528	
43		Block 3 (0.01898)	(0.01161)	0.00000	(0.00653)	0.00385	0.00109	0.00005	(0.00063)	(0.01378)	0.00520	
44		Block 4 (0.01980)	(0.01161)	0.00000	(0.00653)	0.00308	0.00087	0.00004	(0.00051)	(0.01466)	0.00514	
45		Block 5 (0.02090)	(0.01161)	0.00000	(0.00653)	0.00206	0.00058	0.00002	(0.00034)	(0.01582)	0.00508	
46		Block 6 (0.02227)	(0.01161)	0.00000	(0.00653)	0.00077	0.00022	0.00001	(0.00013)	(0.01727)	0.00500	
47	42I Interr Sales	Block 1 (0.02021)	(0.01161)	0.00000	(0.00653)	0.00000	0.00198	0.00008	(0.00114)	(0.01722)	0.00299	
48		Block 2 (0.02052)	(0.01161)	0.00000	(0.00653)	0.00000	0.00177	0.00007	(0.00102)	(0.01732)	0.00320	
49		Block 3 (0.02112)	(0.01161)	0.00000	(0.00653)	0.00000	0.00136	0.00006	(0.00078)	(0.01750)	0.00362	
50		Block 4 (0.02150)	(0.01161)	0.00000	(0.00653)	0.00000	0.00109	0.00005	(0.00063)	(0.01763)	0.00387	
51		Block 5 (0.02203)	(0.01161)	0.00000	(0.00653)	0.00000	0.00072	0.00003	(0.00042)	(0.01781)	0.00422	
52		Block 6 (0.02269)	(0.01161)	0.00000	(0.00653)	0.00000	0.00027	0.00001	(0.00016)	(0.01802)	0.00467	
53	42 Inter Trans	Block 1 0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	(0.00105)	(0.00105)	(0.00105)	
54		Block 2 0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	(0.00094)	(0.00094)	(0.00094)	
55		Block 3 0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	(0.00072)	(0.00072)	(0.00072)	
56		Block 4 0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	(0.00058)	(0.00058)	(0.00058)	
57		Block 5 0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	(0.00038)	(0.00038)	(0.00038)	
58		Block 6 0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	(0.00014)	(0.00014)	(0.00014)	
59	43 Firm Trans	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	(0.00004)	(0.00004)	(0.00004)	
60	43 Interr Trans	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	(0.00004)	(0.00004)	(0.00004)	

Intentionally blank

Sources:

Direct Inputs	12-13 PGA
Equal \$ per therm	Column D Column G Column J
Equal % of margin	Column L Column O Column R Column U
Tariff Schedules:	
Schedule #	Sched 201 Sched 201 Sched 201 Sched 215 Sched 230, Prg J Sched 230, Prg I Sched 210

NW Natural
Rates & Regulatory Affairs
2013-14 Combined Effects - Washington: October Filing
Tariff Advice 13-6: Combined Effects on Revenue

		<u>Amount</u>
1		
2	<u>Purchased Gas Cost Adjustment (PGA)</u>	
3		
4	Gas Cost Change	\$753,767
5		
6	Capacity Cost Change	<u>418,052</u>
7		
8	Total PGA Change	<u>1,171,819</u>
9		
10	<u>Temporary Rate Adjustments</u>	
11		
12	Proposed Temporary Increments	(556,201)
13		
14	Removal of Current Temporary Increments	<u>903,976</u>
15		
16	Total Net Temporary Rate Adjustment	<u>347,775</u>
17		
18		
19	TOTAL OF ALL COMPONENTS OF ALL RATE CHANGES	<u><u>\$1,519,594</u></u>
20		
21		
22		
23	2012 Washington CBR Normalized Total Revenues	\$72,888,538
24		
25	Effect of this filing, as a percentage change	2.08%

NW Natural
Rates & Regulatory Affairs
2013-2014 PGA Filing - Washington: October Filing
Calculation of Increments Allocated on the EQUAL CENT PER THERM BASIS

Washington		WACOG Deferral			Demand Deferral - FIRM			Demand Deferral - INTERRUPTIBLE			
1	PGA	Proposed Amount:	(806,493)	Temporary Increment	(1,229,702)	Temporary Increment	(24,122)	Temporary Increment			
2	Volumes page,	Revenue Sensitive Multiplier:	4.372%	add revenue sensitive factor	4.372%	add revenue sensitive factor	4.372%	add revenue sensitive factor			
3	Column F	Amount to Amortize:	(843,365)	to all sales schedules	(1,285,923)	to all firm sales	(25,225)	to all Interruptible sales			
Schedule	Block	A	Multiplier	Volumes	Increment	Multiplier	Volumes	Increment	Multiplier	Volumes	Increment
			B	C	D	E	F	G	H	I	J
7	1R	151,965	1.0	151,965	(0.01161)	1.0	151,965	(0.01869)	0.0	0	0.00000
8	1C	60,454	1.0	60,454	(0.01161)	1.0	60,454	(0.01869)	0.0	0	0.00000
9	2R	43,836,725	1.0	43,836,725	(0.01161)	1.0	43,836,725	(0.01869)	0.0	0	0.00000
10	3 CFS	16,648,694	1.0	16,648,694	(0.01161)	1.0	16,648,694	(0.01869)	0.0	0	0.00000
11	3 IFS	494,027	1.0	494,027	(0.01161)	1.0	494,027	(0.01869)	0.0	0	0.00000
12	27	162,785	1.0	162,785	(0.01161)	1.0	162,785	(0.01869)	0.0	0	0.00000
13	41C Firm Sales	Block 1 1,991,266	1.0	1,991,266	(0.01161)	1.0	1,991,266	(0.01869)	0.0	0	0.00000
14		Block 2 1,929,527	1.0	1,929,527	(0.01161)	1.0	1,929,527	(0.01869)	0.0	0	0.00000
15	41C Interr Sales	Block 1 0	1.0	0	(0.01161)	0.0	0	0.00000	1.0	0	(0.00653)
16		Block 2 0	1.0	0	(0.01161)	0.0	0	0.00000	1.0	0	(0.00653)
17	41 Firm Trans	Block 1 47,796	0.0	0	0.00000	0.0	0	0.00000	0.0	0	0.00000
18		Block 2 89,936	0.0	0	0.00000	0.0	0	0.00000	0.0	0	0.00000
19	41I Firm Sales	Block 1 200,889	1.0	200,889	(0.01161)	1.0	200,889	(0.01869)	0.0	0	0.00000
20		Block 2 216,598	1.0	216,598	(0.01161)	1.0	216,598	(0.01869)	0.0	0	0.00000
21	41I Interr Sales	Block 1 0	1.0	0	(0.01161)	0.0	0	0.00000	1.0	0	(0.00653)
22		Block 2 0	1.0	0	(0.01161)	0.0	0	0.00000	1.0	0	(0.00653)
23	42C Firm Sales	Block 1 631,909	1.0	631,909	(0.01161)	1.0	631,909	(0.01869)	0.0	0	0.00000
24		Block 2 280,259	1.0	280,259	(0.01161)	1.0	280,259	(0.01869)	0.0	0	0.00000
25		Block 3 17,792	1.0	17,792	(0.01161)	1.0	17,792	(0.01869)	0.0	0	0.00000
26		Block 4 0	1.0	0	(0.01161)	1.0	0	(0.01869)	0.0	0	0.00000
27		Block 5 0	1.0	0	(0.01161)	1.0	0	(0.01869)	0.0	0	0.00000
28		Block 6 0	1.0	0	(0.01161)	1.0	0	(0.01869)	0.0	0	0.00000
29	42I Firm Sales	Block 1 1,087,804	1.0	1,087,804	(0.01161)	1.0	1,087,804	(0.01869)	0.0	0	0.00000
30		Block 2 792,447	1.0	792,447	(0.01161)	1.0	792,447	(0.01869)	0.0	0	0.00000
31		Block 3 273,019	1.0	273,019	(0.01161)	1.0	273,019	(0.01869)	0.0	0	0.00000
32		Block 4 22,079	1.0	22,079	(0.01161)	1.0	22,079	(0.01869)	0.0	0	0.00000
33		Block 5 0	1.0	0	(0.01161)	1.0	0	(0.01869)	0.0	0	0.00000
34		Block 6 0	1.0	0	(0.01161)	1.0	0	(0.01869)	0.0	0	0.00000
35	42 Firm Trans	Block 1 982,602	0.0	0	0.00000	0.0	0	0.00000	0.0	0	0.00000
36		Block 2 945,098	0.0	0	0.00000	0.0	0	0.00000	0.0	0	0.00000
37		Block 3 720,000	0.0	0	0.00000	0.0	0	0.00000	0.0	0	0.00000
38		Block 4 1,495,095	0.0	0	0.00000	0.0	0	0.00000	0.0	0	0.00000
39		Block 5 749,810	0.0	0	0.00000	0.0	0	0.00000	0.0	0	0.00000
40		Block 6 0	0.0	0	0.00000	0.0	0	0.00000	0.0	0	0.00000
41	42C Interr Sales	Block 1 565,059	1.0	565,059	(0.01161)	0.0	0	0.00000	1.0	565,059	(0.00653)
42		Block 2 1,072,682	1.0	1,072,682	(0.01161)	0.0	0	0.00000	1.0	1,072,682	(0.00653)
43		Block 3 554,000	1.0	554,000	(0.01161)	0.0	0	0.00000	1.0	554,000	(0.00653)
44		Block 4 290,078	1.0	290,078	(0.01161)	0.0	0	0.00000	1.0	290,078	(0.00653)
45		Block 5 0	1.0	0	(0.01161)	0.0	0	0.00000	1.0	0	(0.00653)
46		Block 6 0	1.0	0	(0.01161)	0.0	0	0.00000	1.0	0	(0.00653)
47	42I Interr Sales	Block 1 806,551	1.0	806,551	(0.01161)	0.0	0	0.00000	1.0	806,551	(0.00653)
48		Block 2 535,231	1.0	535,231	(0.01161)	0.0	0	0.00000	1.0	535,231	(0.00653)
49		Block 3 40,680	1.0	40,680	(0.01161)	0.0	0	0.00000	1.0	40,680	(0.00653)
50		Block 4 0	1.0	0	(0.01161)	0.0	0	0.00000	1.0	0	(0.00653)
51		Block 5 0	1.0	0	(0.01161)	0.0	0	0.00000	1.0	0	(0.00653)
52		Block 6 0	1.0	0	(0.01161)	0.0	0	0.00000	1.0	0	(0.00653)
53	42 Inter Trans	Block 1 846,474	0.0	0	0.00000	0.0	0	0.00000	0.0	0	0.00000
54		Block 2 1,573,592	0.0	0	0.00000	0.0	0	0.00000	0.0	0	0.00000
55		Block 3 1,144,957	0.0	0	0.00000	0.0	0	0.00000	0.0	0	0.00000
56		Block 4 3,778,518	0.0	0	0.00000	0.0	0	0.00000	0.0	0	0.00000
57		Block 5 2,303,680	0.0	0	0.00000	0.0	0	0.00000	0.0	0	0.00000
58		Block 6 0	0.0	0	0.00000	0.0	0	0.00000	0.0	0	0.00000
59	43 Firm Trans	0	0.0	0	0.00000	0.0	0	0.00000	0.0	0	0.00000
60	43 Interr Trans	0	0.0	0	0.00000	0.0	0	0.00000	0.0	0	0.00000
61	Intentionally blank										
62											
63	Totals	87,340,077		72,662,519	(0.01161)		68,798,238	(0.01869)		3,864,281	(0.00653)
64		0									
65	Sources for line 2 above:										
66	Inputs page		Line 31			Line 33			Line 35		
67	Tariff Schedules:										
68	Schedule #		Sched 201			Sched 201			Sched 201		