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July 31, 2015

Oregon Public Utility Commission  
201 High Street S.E.  
Salem, OR 97301-3612

Re: Advice No. **CNG/O15-07-01/UG \_\_\_\_\_**  
**(UM 1558)**

Re: Schedule No. 177 Purchased Gas Cost Adjustment and Schedule No. 191 Temporary Gas Cost Rate Adjustment Proposal to Change Rates

Attention Filing Center:

Submitted herewith are three copies of the following revisions to Cascade's P.U.C. OR No. 9 Tariffs containing an effective date of November 1, 2015:

**Tenth Revision No. 177-A, Canceling Ninth Revision Sheet No. 177-A.**  
**Twelfth Revision Sheet No. 191, Canceling Eleventh Revision Sheet No. 191.**

The purpose of this filing is to pass on a change in Cascade's gas cost, which is scheduled to occur annually as a result of the provisions established in Purchase Gas Adjustment (PGA) Tariff Schedule No. 177. The purchased gas cost change proposed in this filing results from changes in the cost of commodity gas supply and transportation capacity, and realignment of existing firm transportation capacity. In accordance with the PGA methodology, amortization of outstanding deferred gas cost balances is also developed in this filing.

The rate adjustments proposed in this filing are consistent with the Oregon Public Utility Commission Staff's recommendations with regard to rate spread requirements and amortization procedures.

Cascade, under Advice Nos. O15-07-02, O15-07-03 and O15-07-04, has also filed its Non-Gas Cost Tracking Filings. The overall impact of the proposed changes results in a decrease of (6.12%) for residential customers served on Rate Schedule No. 101, a decrease of (7.16%) and (12.84%) for customers served on Rate Schedule Nos. 104 and 105, respectively, and a decrease of (13.55%) for large volume firm customers served on Rate Schedule No. 111.

*In the Community to Serve®*

Attached in support of this filing are Exhibits 1, 2, and 3. Exhibit 1 contains schedules developing the level of the per therm gas cost change consistent with the procedure described in PGA Rate Schedule No. 177. Exhibit 2 contains summary information of the proposed impacts of the filings on the Company's rates and revenues on the various rate schedules as well as a proposed notice to the public. Exhibit 3 contains a summary of the proposed changes to the company's revenues.

The Company agrees to rate adjustments and refunds should the Commission determine that these rates have been inappropriately calculated. Any rate adjustments and refunds will be retroactive to November 1, 2015 provided that the Commission advises the Company of the necessity for such rate adjustments or refunds within 30 days after the effective date of these rates.

Please direct any questions regarding this filing to me at (509) 734-4593.

Sincerely,

A handwritten signature in blue ink, appearing to read "Michael Parvinen", with a long horizontal flourish extending to the right.

Michael Parvinen  
Director, Regulatory Affairs

Enclosures

**CERTIFICATE OF SERVICE**

I certify that I have this day served the foregoing notice of Cascade's Purchase Gas Adjustment Filing upon all parties of record in the proceeding by emailing an electronic copy to the following parties or attorneys of parties:

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DATED at Kennewick, WA this 31<sup>st</sup> day of July 2015.

/s/ Maryalice Rosales  
Regulatory Analyst II  
Cascade Natural Gas Corporation

CASCADE NATURAL GAS CORPORATION

**PURCHASED GAS COST ADJUSTMENT PROVISION  
 SCHEDULE NO. 177**

(Continued from Previous Page)

- 8. Estimated annual Non-Commodity gas costs shall be equal to estimated annual Demand Costs, less estimated annual Capacity Release Benefits, plus or minus estimated annual pipeline refunds or surcharges.
- 9. Estimated Non-Commodity Cost per Therm: The Estimated Non-Commodity cost per therm is calculated by the following formula: (Estimated annual Non-Commodity Cost divided by forecasted sales volumes). This estimate does not include any revenue-sensitive factors.

The Estimated Cost of Gas per therm is as follows:

	<u>COST OF GAS PER THERM</u>	<u>REVENUE SENSITIVE COSTS</u>	<u>COST OF GAS PER THERM RATE</u>	
WACOG	\$.30245	2.856%	\$.31135	(R)
Non-Commodity Cost	\$.18436	↓	\$.18978	(R)
Total	\$.48681	2.856%	\$.50113	(R)

- 10. Actual Monthly Calendar Sales Volumes: Actual billed sales therms, adjusted for estimated unbilled therms, for firm and interruptible sales schedules.
- 11. Embedded Commodity Cost: The Estimated WACOG multiplied by the Actual Monthly Calendar Sales Volumes.
- 12. Embedded Non-Commodity Cost: The Estimated Non-Commodity Cost per Therm multiplied by the Actual Calendar Sales Volumes less interruptible sales volumes.
- 13. Financial Transactions: Cost of Financial Transactions related to gas supply, including but not limited to, hedges, swaps, puts, calls, options and collars that are exercised to provide price stability/control or supply reliability for sales service customers.
- 14. Gas Storage Facilities: The cost of natural gas for injections shall be the actual cost of purchasing gas for storage and the cost of injection of the gas into the storage facility. Withdrawals of natural gas shall be valued at the weighted average cost of gas in the facility plus any variable withdrawal costs. Only the cost of natural gas withdrawn from Gas Storage Facilities will be included in the Actual Commodity Cost, as defined herein.

CNG/O15-07-01

Issued July 31, 2015

Effective with Service on and After November 1, 2015

ISSUED BY CASCADE NATURAL GAS CORPORATION

BY Scott W. Madison

TITLE Executive Vice President  
and General Manager

CASCADE NATURAL GAS CORPORATION

TEMPORARY GAS COST RATE ADJUSTMENT  
SCHEDULE NO. 191

**APPLICABLE:**

The temporary rate addition applies to gas service rendered by the Company under the tariff of which this schedule is a part for service on and after the effective date hereof and shall be in addition to all rates and charges specified in this tariff.

**PURPOSE:**

The purpose of this provision is to adjust the rate schedules listed below to amortize the outstanding deferred gas cost account balances in accordance with Schedule No. 177, Purchased Gas Cost Adjustment.

**RATES:**

Each of the charges specified in the schedules for gas service hereinafter listed shall be adjusted by the following per therm increase or (decrease) or appropriate multiple thereof in determining annual minimum bill, if any:

<u>Rate Schedule</u>	<u>Amount</u>
Schedule 101	(\$.02361)
Schedule 104	(\$.02361)
Schedule 105	(\$.02361)
Schedule 111	(\$.02361)
Schedule 112	(\$.02361)
Schedule 126	(\$.02361)
Schedule 170	(\$.02361)

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**LIMITATION:**

This temporary rate addition shall remain in effect until cancelled pursuant to order of the Oregon Public Utility Commission.

**SPECIAL TERMS AND CONDITIONS:**

The rates named herein are subject to increases as set forth in Schedule No. 100 Municipal Exactions.

CNG/O15-07-01

Issued July 31, 2015

Effective with Service on and After November 1, 2015

ISSUED BY CASCADE NATURAL GAS CORPORATION

BY Scott W. Madison

TITLE Executive Vice President  
and General Manager

Before the  
**OREGON PUBLIC UTILITY COMMISSION**

**EXHIBIT 1**

**Gas Supply Portfolio and Related Transportation**

Oregon Summary of Gas Cost Deferrals (Schedule 1 of 9)  
Prior Commodity & Demand Amortization (Schedule 2 of 9)  
Development of Gas Cost Related PGA Temporary Rate Increments (Schedule 3 of 9)  
Core Market Commodity Cost Amortization Supporting 47OR.2530.01272 (Schedule 4 of 9)  
Gas Cost Consolidated Accounts Amortization Supporting 47OR.2530.01281 (Schedule 5 of 9)  
Core Market Demand Amortization Supporting 47OR.2530.01273 (Schedule 6 of 9)  
New WACOG Commodity (Schedule 7 of 9)  
Derivation of Oregon per Therm Non-Commodity Charges (Schedule 8 of 9)  
Summary of Rate and Revenue Impact (Schedule 9 of 9)

**Cascade Natural Gas Corporation**

**July 31, 2015**



**Cascade Natural Gas  
Prior Commodity & Demand Amortization**

Line No.	Jul-14 A	Aug-14 B	Sep-14 C	Oct-14 D	Nov-14 E	Dec-14 F	Jan-15 G	Feb-15 H	Mar-15 I	Apr-15 J	May-15 K	Jun-15 L	SUM (A-L) M
1					BLENDING RATE	\$0.00268	\$0.00268	\$0.00268	\$0.00268	\$0.00268	\$0.00268	\$0.00268	\$0.00268
2					1.770%	1.770%	1.770%	1.770%	1.770%	1.770%	1.770%	1.770%	1.770%
3													
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Cascade Natural Gas  
Development of Gas Cost Related PGA Temporary Rate Increments  
State of Oregon

Ln No.	Account Description (a)	Class (b)	New or Residual (g)	Account Balance 6/30/2015 (e)	Estimated Thru 10/31/15 Interest Accruals & Deferrals (f)	Estimated Thru 10/31/15 Amortizations & Deferrals (g)	Interest Accruals Thru Amortization (h)	Balance for Amortization (i)	Forecasted Therms (k)	Increment (l)	TEMPORARY INCREMENT Firm (m)	TEMPORARY INCREMENT Interruptible (n)
1	Commodity Cost Deferrals (47OR.2530.01272) (See Commodity Cost Deferral)	Core	NEW	(\$1,967,726)	(\$58,388)	\$31,985	(\$15,826)	\$ (2,041,940)			(\$0.02757)	(\$0.02757)
2	Prior gas cost amortization to be included in increment (47OR.2530.01283) (See GC Consolidated Deferral)	Core	Residual	(\$23,971)	(\$91)	\$31,985	\$62	\$ 7,985				
3	Subtotal			(\$1,991,697)	(\$58,479)	\$31,985	(\$15,764)	(\$2,033,955)	73,766,778	(0.02757)		
4	Demand Cost Deferrals (47OR.2530.01273) (See Demand Cost Deferral)	Core	NEW	\$329,458	\$9,776		\$2,660	\$ 341,894	73,766,778	0.00463	\$0.00463	\$0.00463
5	SUBTOTAL AMORTIZATION RATES BEFORE REVENUE SENSITIVE COSTS										(\$0.02294)	(\$0.02294)
6	REVENUE REQUIREMENT BEFORE REVENUE SENSITIVE COSTS			\$ (1,662,240)	\$ (48,703)	\$ 31,985	\$ (13,104)	\$ (1,692,062)			2.856%	2.856%
7	REVENUE SENSITIVE COST PERCENTAGES:							2.856%				
8	REVENUE REQUIREMENT AFTER REVENUE SENSITIVE COSTS							\$ (1,743,808)				
9	PROPOSED AMORTIZATION RATE INCLUDING REVENUE SENSITIVE COSTS										\$ (0.02361)	(0.02361)
10	NEW WACOG - Commodity (from sch. 4)										\$0.31135	\$0.31135
11	NEW Demand Rates (from sch. 5)										\$0.18978	\$0.18978
12	NEW Delivered WACOG (gas only) rate										\$0.50113	\$0.50113
13	Total Gas Cost Rate										0.46388	\$0.47752

State:	Oregon
Description:	Core Market Commodity Costs
Account number:	47OR.2530.01272
Class of Customers:	Core
Deferral Period:	7/1/2014 to 6/30/2015
Deferral Account Order:	N/A
Amortization Period:	
Narrative:	Deferral of 90% of the difference between core commodity gas costs actually incurred and the average monthly base commodity gas cost as defined in rate schedule 177-A.

<i>Debit (Credit)</i>								
Month/Year	Rate	Therms	Deferral	Amortization	Interest Rate	Interest	Adjustments	Deferred Balance
Balance Forward								3,014,901.83
Jul-14			222,667.16		0.08709	22,300.28		3,259,869.27
Aug-14			(93,975.12)		0.08709	24,112.23		3,190,006.38
Sep-14			95,620.01		0.08709	22,834.33		3,308,460.72
Oct-14			116,567.84		0.08709	24,471.64	(3,104,362.08)	345,138.12
Nov-14			323,355.05		0.08709	2,470.53		670,963.70
Dec-14			310,988.22		0.08709	4,962.91		986,914.83
Jan-15			(1,030,077.19)		0.08709	7,299.90		(35,862.46)
Feb-15			(864,400.65)		0.08709	(239.59)		(900,502.70)
Mar-15			(731,250.33)		0.08709	(6,660.73)		(1,638,413.76)
Apr-15			(254,406.49)		0.08709	(11,727.90)		(1,904,548.15)
May-15			(208,043.60)		0.08709	(14,087.34)		(2,126,679.09)
Jun-15			174,175.98		0.08709	(15,222.94)		(1,967,726.06)
Jul-15 est.			0.00		0.08709	(14,554.65)		(1,982,280.71)
Aug-15 est.			0.00		0.08709	(14,662.31)		(1,996,943.01)
Sep-15 est.			0.00		0.08709	(14,294.28)		(2,011,237.29)
Oct-15 est.					0.08709	(14,876.49)		(2,026,113.78)
Nov-15 est.		8,502,607		235,361	0.01930	(3,214.03)		(1,793,966.91)
Dec-15 est.		12,166,860		336,791	0.01930	(2,940.63)		(1,460,116.36)
Jan-16 est.		11,137,925		308,309	0.01930	(2,393.39)		(1,154,200.55)
Feb-16 est.		9,609,368		265,997	0.01930	(1,708.85)		(889,912.22)
Mar-16 est.		7,891,877		218,455	0.01930	(1,458.72)		(672,915.69)
Apr-16 est.		5,840,946		161,683	0.01930	(1,067.45)		(512,299.74)
May-16 est.		4,020,872		111,302	0.01930	(839.75)		(401,837.62)
Jun-16 est.		2,593,663		71,795	0.01930	(637.44)		(330,679.80)
Jul-16 est.		2,080,589		57,593	0.01930	(542.04)		(273,629.00)
Aug-16 est.		2,080,770		57,598	0.01930	(448.53)		(216,479.68)
Sep-16 est.		2,715,949		75,180	0.01930	(343.40)		(141,642.83)
Oct-16 est.		5,125,352		141,875	0.01930	(232.18)		0.00
Therms Nov-Oct 2016		73,766,778						0.00
Development of Amortization Rate								0.02768
June 30, 2015 Balance							(1,967,726.06)	
Interest through Oct 31, 2015							(58,387.73)	
Interest During Amortization Period (Nov 1, 2015 through Oct 31, 2016)							(15,826.41)	
Balance to Amortize							<u>(2,041,940.19)</u>	
								0.02768

State:	Oregon
Description:	OR 11/01/12Consolidated Accounts: Gas Cost Related PGA Temporary Rate Increments
Account number:	47OR.2530.01283
Class of Customers:	Core
Deferral Period:	
Deferral Account Order:	
Amortization Period:	11/1/2014 through 10/31/2015
Narrative:	This records the consolidated deferral accounts corresponding to the temporary technical adjustments included in the PGA tracker effective 11/1/2013 that are incorporated into the customers' per therm gas rates through schedule 191.

Month/Year	Rate	Therms	Deferral	Amortization	Interest Rate	Interest	Adjustments	Deferred Balance
							3,104,362.08	
							(3,601,143.47)	
							293,802.19	
								(202,979.20)
Nov-14	Prorated	4,595,603		34,716.43	0.01770	(295.29)		(168,558.06)
Dec-14	0.00268	11,126,210		29,818.25	0.01770	(253.39)		(138,993.21)
Jan-15	0.00268	11,239,426		30,121.66	0.01770	(208.95)		(109,080.49)
Feb-15	0.00268	9,855,665		26,413.18	0.01770	(148.11)		(82,815.42)
Mar-15	0.00268	8,394,498		22,497.24	0.01770	(124.50)		(60,442.66)
Apr-15	0.00268	6,198,870		16,612.97	0.01770	(87.93)		(43,917.61)
May-15	0.00268	4,370,701		11,713.48	0.01770	(66.02)		(32,270.15)
Jun-15	0.00268	3,114,168		8,345.97	0.01770	(46.95)		(23,971.12)
Jul-15 est.	0.00268	2,059,797		5,520.26	0.01770	(36.04)		(18,486.90)
Aug-15 est.	0.00268	2,076,727		5,565.63	0.01770	(27.79)		(12,949.06)
Sep-15 est.	0.00268	2,678,320		7,177.90	0.01770	(18.84)		(5,790.00)
Oct-15 est.	0.00268	5,119,907		13,721.35	0.01770	(8.70)		7,922.64
Nov-15 est.	(0.00011)	8,502,607		(920.35)	0.01930	12.57		7,014.86
Dec-15 est.	(0.00011)	12,166,860		(1,316.98)	0.01930	11.50		5,709.37
Jan-16 est.	(0.00011)	11,137,925		(1,205.61)	0.01930	9.36		4,513.13
Feb-16 est.	(0.00011)	9,609,368		(1,040.15)	0.01930	6.92		3,479.90
Mar-16 est.	(0.00011)	7,891,877		(854.24)	0.01930	5.70		2,631.36
Apr-16 est.	(0.00011)	5,840,946		(632.24)	0.01930	4.17		2,003.29
May-16 est.	(0.00011)	4,020,872		(435.23)	0.01930	3.28		1,571.34
Jun-16 est.	(0.00011)	2,593,663		(280.75)	0.01930	2.49		1,293.08
Jul-16 est.	(0.00011)	2,080,589		(225.21)	0.01930	2.12		1,069.99
Aug-16 est.	(0.00011)	2,080,770		(225.23)	0.01930	1.75		846.52
Sep-16 est.	(0.00011)	2,715,949		(293.98)	0.01930	1.34		553.88
Oct-16 est.	(0.00011)	5,125,352		(554.79)	0.01930	0.91		0.00
2015/16 PGA Year Therms		73,766,778					Balance at end of Amort Period:	0.00
							Amort Rate to Achieve This:	(0.00011)

**Development of Amortization Rate**

June 30, 2015 Balance	(23,971.12)
Interest through Oct 31, 2015	(91.37)
Amortizations through Oct 31, 2015	31,985.13
Interest During Amortization Period (Nov 1, 2015 through Oct 31, 2016)	62.12
Balance to Amortize	<u>7,984.77</u>
	(0.00011)

State:	Oregon
Description:	Core Market Demand & Gas Storage Mitigation Costs
Account number:	47OR.2530.01273
Class of Customers:	Core
Deferral Period:	7/1/2014 to 6/30/2015
Deferral Account Order:	N/A
Amortization Period:	N/A
Narrative:	This records the deferral of the differences between core demand costs actually incurred and the embedded demand costs collected in the tariffs as well as the Tenaska capacity reservation and gas storage mitigation costs based on therms.

		<i>Debit (Credit)</i>						
Month/Year	Rate	Therms	Deferral	Amortization	Interest Rate	Interest	Adjustments	Deferred Balance
Balance Forward								(3,497,367.18)
Jul-14			147,905.15		0.08709	(25,868.92)		(3,375,330.95)
Aug-14			277,369.04		0.08709	(24,966.26)		(3,122,928.18)
Sep-14			179,453.62		0.08709	(22,354.18)		(2,965,828.73)
Oct-14			99,958.39		0.08709	(21,937.30)	3,601,143.47	713,335.83
Nov-14			(589,189.12)		0.08709	5,106.12		129,252.83
Dec-14			(838,234.60)		0.08709	956.04		(708,025.73)
Jan-15			98,990.29		0.08709	(5,237.04)		(614,272.48)
Feb-15			(38,609.81)		0.08709	(4,103.88)		(656,986.17)
Mar-15			233,162.21		0.08709	(4,859.52)		(428,683.48)
Apr-15			270,217.81		0.08709	(3,068.55)		(161,534.22)
May-15			122,153.47		0.08709	(1,194.82)		(40,575.56)
Jun-15			370,323.59		0.08709	(290.44)		329,457.59
Jul-15 est.					0.08709	2,436.89		331,894.48
Aug-15 est.					0.08709	2,454.92		334,349.40
Sep-15 est.					0.08709	2,393.30		336,742.70
Oct-15 est.					0.08709	2,490.78		339,233.48
Nov-15 est.		8,502,607		(39,407.80)	0.01930	538.13		300,363.81
Dec-15 est.		12,166,860		(56,390.84)	0.01930	492.35		244,465.32
Jan-16 est.		11,137,925		(51,621.95)	0.01930	400.72		193,244.09
Feb-16 est.		9,609,368		(44,537.41)	0.01930	296.33		149,003.02
Mar-16 est.		7,891,877		(36,577.20)	0.01930	244.24		112,670.06
Apr-16 est.		5,840,946		(27,071.56)	0.01930	178.73		85,777.23
May-16 est.		4,020,872		(18,635.90)	0.01930	140.60		67,281.94
Jun-16 est.		2,593,663		(12,021.08)	0.01930	106.73		55,367.59
Jul-16 est.		2,080,589		(9,643.09)	0.01930	90.76		45,815.24
Aug-16 est.		2,080,770		(9,643.93)	0.01930	75.10		36,246.41
Sep-16 est.		2,715,949		(12,587.85)	0.01930	57.50		23,716.06
Oct-16 est.		5,125,352		(23,754.93)	0.01930	38.87		0.00
Therms Nov-Oct 2016		73,766,778						0.00
Balance at end of Amort Period:								0.00
Amort Rate to Achieve This:								(0.00463)
Development of Amortization Rate								
June 30, 2015 Balance								329,457.59
Interest through Oct 31, 2015								9,775.89
Interest During Amortization Period (Nov 1, 2015 through Oct 31, 2016)								2,660.06
Balance to Amortize								<u>341,893.54</u>
								(0.00463)



Cascade Natural Gas Corporation  
 2015-2016 PGA - OREGON  
 Derivation of Oregon per Therm Non-Commodity Charges

**Oregon Derivation of Demand Increments**

		Without Revenue Sensitive	With Revenue Sensitive
	(a)	(c)	(d)
1			
2			
3	(a)	(c)	(d)
4	System Demand for Allocation	\$53,433,647	
5	Oregon Allocation Factor (Based on Peak Day)	21.27%	
6	Oregon Allocated Demand Costs	\$11,365,439	
7	Ruby Demand for Allocation	\$2,036,250	
8	Oregon Allocation Factor (Based Non-NWP Allocation)	86.91%	
9	Oregon Ruby Allocated System Demand	\$1,769,709	
10	Plus Demand Costs -Central Oregon	\$1,851,955	
11	Less Oregon Capacity Release Credits	(\$1,387,209)	
12	<b>OREGON DEMAND COSTS</b>	<b>\$13,599,894</b>	<b>\$ 13,999,726</b>
13			
14	Oregon Sales Forecasted Normal Volumes	73,766,778	73,766,778
15			
16	<b>Proposed Demand Increment Per Therm (line 12/line 13)</b>	<b>\$0.18436</b>	<b>\$0.18978</b>
17			
18	Current Firm Demand Per Therm	\$0.15993	\$0.16468
19			
20	Percent Change in Firm Demand	15.28%	15.24%
21			
22			
23	1/Allocation Factor: Forecasted Peak Volumes (excl. Central Oregon):		
24		<u>Washington</u>	<u>Oregon</u>
25			<u>System</u>
26	Total Peak	1,994,933	931,647
27	Less Central Oregon		631,184
28	Peak Day Capacity	1,994,933	300,463
29	Allocation Factor	86.91%	13.09%
			100.00%

Cascade Natural Gas Corporation  
2015-2016 PGA - OREGON  
Summary of Rate and Revenue Impact

(a)	(b)	Without Revenue Sensitive (c)	With Revenue Sensitive (d)
<b>PROPOSED PER THERM RATE CHANGES</b>			
1 Proposed Commodity WACOG		0.30245	0.31135
2 Current Commodity WACOG		0.40130	0.41321
3 <b>Proposed Rate Change-Commodity WACOG</b>		<b>(0.09885)</b>	<b>(0.10186)</b>
4			
5 Proposed Firm Demand Per Therm		0.18436	0.18978
6 Current Firm Demand Per Therm		0.15993	0.16468
7 <b>Proposed Rate Change-Firm Demand WACOG</b>		<b>0.02443</b>	<b>0.02510</b>
8			
9 <b>Proposed Temporary Rate Increment</b>		<b>(0.02294)</b>	<b>(0.02361)</b>
<b>Current Temporary Rate Increment</b>		<b>(0.00268)</b>	<b>(0.00276)</b>
<b>Proposed Rate Change-Temporary Rate Increment</b>		<b>(0.02026)</b>	<b>(0.02085)</b>
10			
11 <b>TOTAL PROPOSED PGA RATE CHANGE</b>			<b>(0.09761)</b>
12			
13 Oregon Forecasted Therm Sales		73,766,778	
14			
15 <b>REVENUE IMPACT</b>			
16			
17 Commodity Cost Change			(7,513,884)
18 Demand Cost Change			1,851,546
19			
20 Amortization of Commodity and Demand Cost Differences			(1,538,037)
21			
22 <b>Total Revenue Impact Due to PGA Filing</b>			<b>(7,200,375)</b>
23			
24 Operating Revenues for 12 Month Period Ending 12/31/14			70,092,488
25			
26 PERCENTAGE CHANGE IN REVENUES DUE TO PGA FILING			-10.27%

Before the  
**OREGON PUBLIC UTILITY COMMISSION**

**EXHIBIT 2**

**Summary of Proposed Changes**

Summary of Total Proposed Rates (Schedule 1 of 3)  
Total Proposed Rates Impact on Average Bill by Rate Schedule (Schedule 2 of 3)  
Notice to the Public (Schedule 3 of 3)

**Cascade Natural Gas Corporation**

**July 31, 2015**



**Cascade Natural Gas Corporation**  
**SUMMARY OF TOTAL PROPOSED RATES**  
**STATE OF OREGON**

Ln No.	Customer Class (a)	Schedule (b)	Block (c)	Current 11/1/2014 Rate (d)	Total Proposed Changes				Proposed 11/1/2015 Rate (j) = d + i	
					PGA Base Gas Cost (e)	CAP Baseline Adj (f)	Remove 14 Temporary Rate Adj (g)	Add New (h)		Total Change (i) = e thru h
<b>CORE MARKET SERVICE</b>										
1	Residential	101		\$0.90715	(\$0.09761)		\$0.02749	\$0.01137	(\$0.05875)	\$0.84840
2	Commercial	104		\$0.80282	(\$0.09761)		\$0.02886	\$0.01035	(\$0.05840)	\$0.74442
3	Com-Ind Dual	111		\$0.72152	(\$0.09761)		(\$0.00022)	\$0.00006	(\$0.09777)	\$0.62375
4	Industrial Firm	105		\$0.75567	(\$0.09761)		(\$0.00022)	\$0.00006	(\$0.09777)	\$0.65790
5	Industrial Interruptible	170		\$0.69844	(\$0.09761)		(\$0.00022)	\$0.00006	(\$0.09777)	\$0.60067
<b>NONCORE MARKET SERVICE</b>										
6	Distribution Transportation	163 & 164	First 10,000	\$0.12424	\$0.00000		(\$0.00022)	\$0.00006	(\$0.00016)	\$0.12408
7	Distribution Transportation	163 & 164	Next 10,000	\$0.11210	\$0.00000		(\$0.00022)	\$0.00006	(\$0.00016)	\$0.11194
8	Distribution Transportation	163 & 164	Next 30,000	\$0.10534	\$0.00000		(\$0.00022)	\$0.00006	(\$0.00016)	\$0.10518
9	Distribution Transportation	163 & 164	Next 50,000	\$0.06478	\$0.00000		(\$0.00022)	\$0.00006	(\$0.00016)	\$0.06462
10	Distribution Transportation	163 & 164	Next 400,000	\$0.03297	\$0.00000		(\$0.00022)	\$0.00006	(\$0.00016)	\$0.03281
11	Distribution Transportation	164 ONLY	Over 500,000	\$0.01777	\$0.00000		(\$0.00022)	\$0.00006	(\$0.00016)	\$0.01761

Cascade Natural Gas Corporation  
**TOTAL PROPOSED RATES IMPACT ON AVERAGE BILL BY RATE SCHEDULE**  
 STATE OF OREGON

Ln No.	Customer Class (a)	Schedule (b)	Therms in Block (c)	Normalized Volumes (d)	Average Customers (e)	Therms Per Month (f) = d / e	Monthly Charge (g)	Current 11/1/2014 Rate (h)	Current Avg Bill (i) = g + (f * h)	Total Proposed 11/1/2015 Rate (j) = g + (f * j)	Monthly Change in Avg Bill (l)	Proposed Rates % Change (m) = l / i
<b>CORE MARKET SERVICE</b>												
1	Residential	101		39,224,150	58,105	56	\$3.00	\$0.90715	\$53.80	\$0.84840	\$0.84840	-6.12%
2	Commercial	104		27,353,904	9,640	236	\$3.00	\$0.80282	\$192.47	\$0.74442	(\$3.29)	-7.16%
3	Com-Ind Dual	111		1,776,477	14	10,574	\$0.00	\$0.72152	\$7,629.35	\$0.62375	(\$1,033.82)	-13.55%
4	Industrial Firm	105		2,708,226	114	1,980	\$12.00	\$0.73567	\$1,508.23	\$0.65790	(\$193.58)	-12.84%
5	Industrial Interruptible	170		2,526,128	4	57,628	\$0.00	\$0.69844	\$36,757.50	\$0.60067	(\$5,145.44)	-14.00%
<b>NONCORE MARKET SERVICE</b>												
6	Distribution Transportation	163	10,000	2,850,689	29		\$500.00	\$0.12424	\$1,742.40	\$0.12408	\$1,740.80	
7	Distribution Transportation	163	10,000	2,366,423				\$0.11210	\$1,121.00	\$0.11194	\$1,119.40	
8	Distribution Transportation	163	30,000	3,713,946				\$0.10534	\$3,613.19	\$0.10518	\$3,607.71	
9	Distribution Transportation	163	50,000	2,798,927				\$0.06478	\$0.06462	\$0.06462		
10	Distribution Transportation	163	Over 100,000	7,166,522				\$0.03297	\$6,476.59	\$0.03281	(\$8.69)	-0.13%
11	Total			18,896,507		54,300						
12	Distribution Transportation	164	10,000	240,000	2		\$500.00	\$0.12424	\$1,742.40	\$0.12408	\$1,740.80	
13	Distribution Transportation	164	10,000	240,000				\$0.11210	\$1,121.00	\$0.11194	\$1,119.40	
14	Distribution Transportation	164	30,000	720,000				\$0.10534	\$3,160.20	\$0.10518	\$3,155.40	
15	Distribution Transportation	164	50,000	1,200,000				\$0.06478	\$3,239.00	\$0.06462	\$3,231.00	
16	Distribution Transportation	164	Next 400,000	9,159,445				\$0.03297	\$15,858.55	\$0.03281	\$15,781.59	
17	Distribution Transportation	164	Over 500,000	2,384,542				\$0.01777	\$25,121.15	\$0.01761	(\$92.96)	-0.37%
18	Total			13,943,987		580,999						

**Cascade Natural Gas Corporation**

**NOTICE TO THE PUBLIC**

**Oregon Service Area**

Cascade Natural Gas Corporation is on this date filing with the Oregon Public Utility Commission (OPUC) at Salem, Oregon, revisions to Rate Schedule Nos. 177, 191, 192, 193, and 194, which upon approval by the Commission will become effective November 1, 2015.

The rate adjustments proposed in this filing are designed to pass on 1.) changes in the cost of gas and transportation services paid by Cascade to gas suppliers and interstate natural gas pipelines, temporary differences in purchased gas costs, that occur over time, as a result of differences between the actual cost of gas paid by the Company and the amount allowed for in Core customer rates, and removal of certain technical deferral refunds that have expired; and 2.) changes resulting from the Company's Conservation Alliance Plan.

The overall effect of the proposed rate adjustments on the monthly bill of a residential customer with consumption of 56 therms will be a net decrease of (\$3.29) or (6.12%). For small commercial customers, the decrease in the monthly bill for consumption of 236 therms will be (\$13.78) or (7.16%). Large volume core customers will experience an average decrease of (12.84%) depending on monthly volumes consumed. Large volume interruptible customers will experience an average decrease of (14%). Large volume non-core customers will experience an average decrease of (.13%) for distribution service from Cascade depending on the monthly volumes consumed.

By: Michael Parvinen  
Director, Regulatory Affairs

Date: July 31, 2015

Before the  
OREGON PUBLIC UTILITY COMMISSION

**EXHIBIT 3**

**Attachments to Staff's Public Meeting Memos**

Attachment A - Incremental Change to Revenue by Rate Schedule

Attachment B - Incremental Change to Revenue by Adjustment

Attachment C - Three Percent Test

Attachment D - Bill Impacts

**Cascade Natural Gas Corporation**

**July 31, 2015**



Customer Schedule No.	Rate Class Type	Block	Adjustment Tariff No. 177-A PGA Gas Costs		Adjustment Tariff No. 191		Adjustment Tariff No. 192		Adjustment Tariff No. 193		Adjustment Tariff No. 194-B		2015-2016		
			Current Rate	Proposed Rate	Current Rate	Proposed Rate	Current Rate	Proposed Rate	Current Rate	Proposed Rate	Forecast Therms	Revenue at Current	Revenue at Proposed	Change in Revenue	% Change
101	Residential		\$ 0.57789	0.50113	\$ 0.35951	0.00000	\$ 0.00000	0.00000	\$ 0.00000	0.00000	38,754,759	\$35,156,390	\$32,879,538	(\$2,276,842)	-6.48%
104	Commercial		\$ 0.57789	0.50113	\$ 0.25655	0.00000	\$ 0.00000	0.00000	\$ 0.00000	0.00000	27,077,201	\$21,738,119	\$20,156,810	(\$1,581,309)	-7.27%
105	Industrial		\$ 0.57789	0.50113	\$ 0.18032	0.00000	\$ 0.00000	0.00000	\$ 0.00000	0.00000	3,030,195	\$2,289,827	\$1,993,565	(\$296,262)	-12.94%
111	Large Volume		\$ 0.57789	0.50113	\$ 0.14617	0.00000	\$ 0.00000	0.00000	\$ 0.00000	0.00000	1,557,685	\$1,412,509	\$1,221,106	(\$191,403)	-13.55%
112	Compressed Natural Gas		\$ 0.57789	0.50113	\$ 0.22600	0.00000	\$ 0.00000	0.00000	\$ 0.00000	0.00000	0	\$0	\$0	\$0	0.00%
126	Emergency Institution		\$ 0.57789	0.50113	\$ 0.26670	0.00000	\$ 0.00000	0.00000	\$ 0.00000	0.00000	0	\$0	\$0	\$0	0.00%
170	Interruptible		\$ 0.57789	0.50113	\$ 0.12309	0.00000	\$ 0.00000	0.00000	\$ 0.00000	0.00000	2,946,938	\$2,058,259	\$1,770,137	(\$288,122)	-14.00%
163	Transportation		\$ -	0.00000	\$ 0.12402	0.00000	\$ 0.00000	0.00000	\$ 0.00000	0.00000	2,850,689	\$354,170	\$353,713	(\$456)	-0.13%
			\$ -	0.00000	\$ 0.11188	0.00000	\$ 0.00000	0.00000	\$ 0.00000	0.00000	2,566,423	\$265,276	\$264,897	(\$379)	-0.14%
			\$ -	0.00000	\$ 0.10512	0.00000	\$ 0.00000	0.00000	\$ 0.00000	0.00000	3,713,946	\$391,227	\$390,653	(\$594)	-0.15%
			\$ -	0.00000	\$ 0.06456	0.00000	\$ 0.00000	0.00000	\$ 0.00000	0.00000	2,798,927	\$181,314	\$180,867	(\$448)	-0.25%
			\$ -	0.00000	\$ 0.03275	0.00000	\$ 0.00000	0.00000	\$ 0.00000	0.00000	7,166,522	\$236,280	\$235,134	(\$1,147)	-0.49%
164	Transportation		\$ -	0.00000	\$ 0.12402	0.00000	\$ 0.00000	0.00000	\$ 0.00000	0.00000	240,000	\$29,818	\$29,779	(\$38)	-0.13%
			\$ -	0.00000	\$ 0.11188	0.00000	\$ 0.00000	0.00000	\$ 0.00000	0.00000	240,000	\$26,904	\$26,866	(\$38)	-0.14%
			\$ -	0.00000	\$ 0.10512	0.00000	\$ 0.00000	0.00000	\$ 0.00000	0.00000	720,000	\$75,845	\$75,730	(\$115)	-0.15%
			\$ -	0.00000	\$ 0.06456	0.00000	\$ 0.00000	0.00000	\$ 0.00000	0.00000	1,200,000	\$77,736	\$77,544	(\$192)	-0.25%
			\$ -	0.00000	\$ 0.03275	0.00000	\$ 0.00000	0.00000	\$ 0.00000	0.00000	9,159,445	\$301,987	\$300,521	(\$1,466)	-0.49%
			\$ -	0.00000	\$ 0.01755	0.00000	\$ 0.00000	0.00000	\$ 0.00000	0.00000	2,384,542	\$42,373	\$41,992	(\$382)	-0.90%

**Cascade Natural Gas  
2015 PGA  
Incremental Revenue Change by Adjustment Schedule  
Attachment B**

Adjustment Schedule No. & Description		Gas Cost & Adjustment Schedule Revenue at Current <sup>1</sup>	Gas Cost & Adjustment Revenue at Proposed	Total Incremental Change in Revenue	% Contribution to Total Incremental Change
177-A	PGA	\$42,629,084	\$36,966,746	(\$5,662,338)	122.05%
191	Temporary Gas Cost Adj	(\$203,596)	(\$1,741,634)	(\$1,538,038)	33.15%
192	Intervenor Funding	\$60,844	\$41,976	(\$18,868)	0.41%
193	CAP	(\$1,901,885)	\$681,361	\$2,583,246	-55.68%
194-B	Other Residual	\$3,199	\$0	(\$3,199)	0.07%
195	Public Purpose				0.00%
196	Earnings Sharing Margin	\$24,050,383	\$24,050,383	\$0	0.00%
				\$0	0.00%
				\$0	0.00%
Total		\$64,638,029	\$59,998,832	(\$4,639,197)	100.00%

**Note:**

<sup>1</sup> Revenue at "Current" does not reflect current revenues, but rather what the revenues would be if existing rates continued to be in effect during the upcoming year (i.e. current rates times forecasted therms). There will be small differences with the Advice filings.

Adjustment  
Schedule No.

2015-2016

Advice No.	Description	Schedule No.	Rate Class Type	Block	Current		Proposed		Revenue at		Change in Revenue
					Rate	Rate	Therms	Current	Proposed		
101	Residential				\$ 0.57789	0.50113	38,754,759	\$22,395,988	\$19,421,172	(\$2,974,816)	
104	Commercial				\$ 0.57789	0.50113	27,077,201	\$15,647,644	\$13,569,198	(\$2,078,446)	
105	Industrial		Revised		\$ 0.57789	0.50113	3,030,195	\$1,751,119	\$1,518,522	(\$232,597)	
111	Large Volume				\$ 0.57789	0.50113	1,957,685	\$1,131,327	\$981,055	(\$150,272)	
112	Compressed Natural Gas				\$ 0.57789	0.50113	0	\$0	\$0	\$0	
126	Emergency Institution				\$ 0.57789	0.50113	0	\$0	\$0	\$0	
170	Interruptible				\$ 0.57789	0.50113	2,946,938	\$1,703,006	\$1,476,799	(\$226,207)	
<b>Advice 177-A</b>											
<b>O14-08-01</b>		<b>Total \$42,629,084 \$36,966,746 (\$5,662,338)</b>									
PGA											

101	Residential				\$ (0.00276)	(0.02361)	38,754,759	(\$106,963)	(\$915,000)	(\$808,037)	
104	Commercial				\$ (0.00276)	(0.02361)	27,077,201	(\$74,733)	(\$639,293)	(\$564,560)	
105	Industrial				\$ (0.00276)	(0.02361)	3,030,195	(\$8,363)	(\$71,543)	(\$63,180)	
111	Large Volume				\$ (0.00276)	(0.02361)	1,957,685	(\$5,403)	(\$46,221)	(\$40,818)	
112	Compressed Natural Gas				\$ (0.00276)	(0.02361)	0	\$0	\$0	\$0	
126	Emergency Institution				\$ (0.00276)	(0.02361)	0.00%	\$0	\$0	\$0	
170	Interruptible				\$ (0.00276)	(0.02361)	2,946,938	(\$8,134)	(\$69,577)	(\$61,443)	
<b>Advice 191</b>											
<b>O14-08-01</b>		<b>Total (\$203,596) (\$1,741,634) (\$1,538,038)</b>									

101	Residential				\$ 0.00137	0.00102	38,754,759	\$53,094	\$39,530	(\$13,564)	
104	Commercial				\$ -	0.00000	27,077,201	\$0	\$0	\$0	
105	Industrial				\$ 0.00019	0.00006	3,030,195	\$576	\$182	(\$394)	
111	Large Volume				\$ 0.00019	0.00006	1,957,685	\$372	\$117	(\$255)	
112	Compressed Natural Gas				\$ -	0.00000	0	\$0	\$0	\$0	
126	Emergency Institution				\$ -	0.00000	0	\$0	\$0	\$0	
170	Interruptible				\$ 0.00019	0.00006	2,946,938	\$560	\$177	(\$383)	
163 Distribution											
	Block 1				\$ 0.00019	0.00006	2,850,689	\$542	\$171	(\$371)	
	Block 2				\$ 0.00019	0.00006	2,366,423	\$450	\$142	(\$308)	
	Block 3				\$ 0.00019	0.00006	3,713,946	\$706	\$223	(\$483)	
	Block 4				\$ 0.00019	0.00006	2,798,927	\$532	\$168	(\$364)	
	Block 5				\$ 0.00019	0.00006	7,166,522	\$1,362	\$430	(\$932)	
164 Distribution											
	Block 1				\$ 0.00019	0.00006	240,000	\$46	\$14	(\$32)	
	Block 2				\$ 0.00019	0.00006	240,000	\$46	\$14	(\$32)	
	Block 3				\$ 0.00019	0.00006	720,000	\$137	\$43	(\$94)	
	Block 4				\$ 0.00019	0.00006	1,200,000	\$228	\$72	(\$156)	
	Block 5				\$ 0.00019	0.00006	9,159,445	\$1,740	\$550	(\$1,190)	
	Block 6				\$ 0.00019	0.00006	2,384,542	\$453	\$143	(\$310)	
<b>Advice No. 192</b>											
<b>O14-08-02</b>		<b>Intervenor Total \$60,844 \$41,976 (\$18,868)</b>									



Adjustment  
Schedule No.

2015-2016

Advice No.	Description	Schedule		Block	Current		Proposed		Revenue at		Change in Revenue
		No.	Rate Class Type		Rate	Rate	Current	Proposed	Current	Proposed	
193 O14-08-03	CAP	101	Residential		\$ (0.02889)	0.01035	38,754,759	(\$1,119,625)	\$401,112	\$1,520,737	
		104	Commercial		\$ (0.02889)	0.01035	27,077,201	(\$782,260)	\$280,249	\$1,062,509	
							<b>Total</b>	<b>(\$1,901,885)</b>	<b>\$681,361</b>	<b>\$2,583,246</b>	
194-B O14-08-04	Other Residual	101	Residential		\$ 0.00003	0.00000	38,754,759	\$1,163	\$0	(\$1,163)	
		104	Commercial		\$ 0.00003	0.00000	27,077,201	\$812	\$0	(\$812)	
		105	Industrial		\$ 0.00003	0.00000	3,030,195	\$91	\$0	(\$91)	
		111	Large Volume		\$ 0.00003	0.00000	1,957,685	\$59	\$0	(\$59)	
		112	Compressed Natural Gas		\$ 0.00003	0.00000	0	\$0	\$0	\$0	
		126	Emergency Institution		\$ 0.00003	0.00000	0	\$0	\$0	\$0	
		170	Interruptible		\$ 0.00003	0.00000	2,946,938	\$88	\$0	(\$88)	
		163	Distribution	Block 1	\$ 0.00003	0.00000	2,850,689	\$86	\$0	(\$86)	
				Block 2	\$ 0.00003	0.00000	2,366,423	\$71	\$0	(\$71)	
				Block 3	\$ 0.00003	0.00000	3,713,946	\$111	\$0	(\$111)	
				Block 4	\$ 0.00003	0.00000	2,798,927	\$84	\$0	(\$84)	
				Block 5	\$ 0.00003	0.00000	7,166,522	\$215	\$0	(\$215)	
		164	Distribution	Block 1	\$ 0.00003	0.00000	240,000	\$7	\$0	(\$7)	
				Block 2	\$ 0.00003	0.00000	240,000	\$7	\$0	(\$7)	
				Block 3	\$ 0.00003	0.00000	720,000	\$22	\$0	(\$22)	
				Block 4	\$ 0.00003	0.00000	1,200,000	\$36	\$0	(\$36)	
		Block 5	\$ 0.00003	0.00000	9,159,445	\$275	\$0	(\$275)			
		Block 6	\$ 0.00003	0.00000	2,384,542	\$72	\$0	(\$72)			
				<b>Total</b>		<b>\$3,199</b>	<b>\$0</b>	<b>\$0</b>	<b>(\$3,199)</b>		
194-B O14-08-04	Other Residual	101	Residential		\$ 0.35951	0.35951	38,754,759	\$13,932,723	\$13,932,723	\$0	
		104	Commercial		\$ 0.25655	0.25655	27,077,201	\$6,946,656	\$6,946,656	\$0	
		105	Industrial		\$ 0.18032	0.18032	3,030,195	\$546,405	\$546,405	\$0	
		111	Large Volume		\$ 0.14617	0.14617	1,957,685	\$286,155	\$286,155	\$0	
		112	Compressed Natural Gas		\$ 0.22600	0.22600	0	\$0	\$0	\$0	
		126	Emergency Institution		\$ 0.26670	0.26670	0	\$0	\$0	\$0	
		170	Interruptible		\$ 0.12309	0.12309	2,946,938	\$362,739	\$362,739	\$0	
		163	Distribution	Block 1	\$ 0.12402	0.12402	2,850,689	\$353,542	\$353,542	\$0	
				Block 2	\$ 0.11188	0.11188	2,366,423	\$264,755	\$264,755	\$0	
				Block 3	\$ 0.10512	0.10512	3,713,946	\$390,410	\$390,410	\$0	
				Block 4	\$ 0.06456	0.06456	2,798,927	\$180,699	\$180,699	\$0	
				Block 5	\$ 0.03275	0.03275	7,166,522	\$234,704	\$234,704	\$0	
		164	Distribution	Block 1	\$ 0.12402	0.12402	240,000	\$29,765	\$29,765	\$0	
				Block 2	\$ 0.11188	0.11188	240,000	\$26,851	\$26,851	\$0	
				Block 3	\$ 0.10512	0.10512	720,000	\$75,686	\$75,686	\$0	

Adjustment  
Schedule No.

2015-2016

Advice No.	Description	Schedule No.	Rate Class Type	Block	Current		Proposed		Revenue at		Change in Revenue
					Rate	Rate	Therms	Therms	Current	Proposed	
				Block 4	\$ 0.06456	0.06456	1,200,000	1,200,000	\$77,472	\$77,472	\$0
				Block 5	\$ 0.03275	0.03275	9,159,445	9,159,445	\$299,972	\$299,972	\$0
				Block 6	\$ 0.01755	0.01755	2,384,542	2,384,542	\$41,849	\$41,849	\$0
				<b>Total</b>			<b>\$24,050,383</b>	<b>\$24,050,383</b>	<b>\$24,050,383</b>	<b>\$24,050,383</b>	<b>\$0</b>
014-08-05	Margin										

**Cascade Natural Gas  
2015-2016 PGA  
Three Percent Test  
Attachment C**

	Surcharge	Credit
<b>Prior Period Gas Cost Deferral True-Up</b>	(1,741,808)	
 <b><u>Non-Gas Cost Amortizations</u></b>		
Intervenor Funding	\$42,037	\$0
Other Residuals	\$0	\$0
Decoupling		681,451
		\$0
		\$0
		\$0
		0
Subtotal	42,037	681,451
Total	(1,699,771)	681,451
<b>Total Proposed Amortization</b>		(\$1,018,320)
Less: Intervenor Funding <sup>1</sup>		\$42,037
<b>Net Proposed Amortizations (subject to the 3% test)</b>		(\$976,283)
<b>Utility Gross Revenues (2014)</b>		\$70,092,488
<b>3% of Utility Gross Revenues<sup>2</sup></b>		\$2,102,775
<b>Allowed Amortization</b>		(\$976,283)
<b>Allowed Amortization as % of Gross Revenues</b>		-1.39%

<sup>1</sup> Intervenor Funding is excluded from the result of the 3% test pursuant to ORS 757.259(4)

<sup>2</sup> Unadusted general revenues as shown in the most recent Results of Operation.

**Proposed Rate & Bill Increases for ALL Oregon Local Distribution Companies by Class of Service  
2015-2016 PGA  
Attachment D**

Class of Service	Rate Schedule	RATE IMPACTS*			
		Current Rate per Therm	Proposed Rate per Therm	Change Rate per Therm	%-Change Rate per Therm
<b>Residential</b>					
Avista	410	\$0.00000	\$0.00000	0.00000	#DIV/0!
Cascade	101	\$0.90715	\$0.84840	-0.05875	-6.48%
NW Natural	2	\$0.00000	\$0.00000	0.00000	#DIV/0!
<b>Commercial</b>					
Avista	420	\$0.00000	\$0.00000	0.00000	#DIV/0!
Cascade	104	\$0.80282	\$0.74442	-0.05840	-7.27%
NW Natural	3	\$0.00000	\$0.00000	0.00000	#DIV/0!
<b>Industrial</b>					
Avista	424	\$0.00000	\$0.00000	0.00000	#DIV/0!
Cascade	105	\$0.75567	\$0.65790	-0.09777	-12.9%
NW Natural	31HSF	\$0.00000	\$0.00000	0.00000	#DIV/0!
<b>Interruptible</b>					
Avista	440	\$0.00000	\$0.00000	0.00000	#DIV/0!
Cascade	170	\$0.69844	\$0.60067	-0.09777	-14.0%
NW Natural	32ISI	\$0.00000	\$0.00000	0.00000	#DIV/0!

RESIDENTIAL BILL IMPACTS												
Rate Schedule	Average January Therms	Customer Charge	Current		Proposed		Annual Therms/ Month	%-Change		Change		%-%Change Monthly Bill
			January Bill	January Bill	January Bill	January Bill		January Bill	January Bill			
Avista	0	\$0.00	\$0.00	\$0.00	\$0.00	0	#DIV/0!	\$0.00	\$0.00	\$0.00	#DIV/0!	
Cascade	121	\$3.00	\$112.77	\$105.66	\$105.66	56	-6.3%	-\$7.11	\$3.00	-\$3.29	-6.1%	
NW Natural	0	\$0.00	\$0.00	\$0.00	\$0.00	0	#DIV/0!	\$0.00	\$0.00	\$0.00	#DIV/0!	

\* The residential rates illustrated above do not include pass-through charges included on customer bills that utilities are required to collect and distribute to the appropriate third parties, such as for franchise fees or the Public Purposes Charge.