



September 18, 2017

VIA ELECTRONIC FILING AND MAIL

Debra Howland
Executive Director and Secretary
New Hampshire Public Utilities Commission
21 S. Fruit St., Suite 10
Concord, New Hampshire 03301-2429



Re: **Northern Utilities, Inc. – New Hampshire, Firm Sales Service Re-Entry Fee Filing: Winter Season 2017-2018**

Dear Director Howland:

In accordance with Northern Utilities, Inc. ("Northern") Delivery Service Terms and Conditions, Appendix D, Firm Sales Service Re-Entry Fee Bill Adjustment ("Fee"), Northern is filing herewith, its annual report regarding the system average capacity cost for the twelve month period ending October 31, 2018 (2017-2018 Report). The Fee is included on Northern's Fourth Revised Page 171, which is being filed in the Company's September 18, 2017 Cost of Gas ("COG") filing. In addition, Northern is submitting an Alternate Fourth Revised Page 171 which is also included in the COG filing. The Alternate Fourth Revised Page 171 reflects the proposed Re-Entry Rate and Conversion Rate which were initially proposed in Docket No. DG 17-104, and if approved, would replace the currently existing Re-entry Fee.

Section A of the 2017-2018 Report includes the customer and billing activity for the prior year beginning November 1, 2016, associated with the assessment of this Fee, and the supporting calculations for the 2017-2018 Re-entry Fee. Section B of the 2017-2018 Report provides the supporting calculations for Alternate Fourth Revised Page 171, the proposed 2017-2018 Re-entry Rate and Conversion Rate.

If you have any questions or need additional information, please feel free to call.

Respectfully submitted,

George H. Simmons, Jr.

Enclosure

cc: Alexander Speidel, Staff Counsel
Donald Kreis, OCA

George H. Simmons, Jr
Manager, Regulatory Services

6 Liberty Lane West
Hampton, NH 03842

Phone: 603-773-6534
Fax: 603-773-6734

simmons@unitil.com

**Northern Utilities Inc. - N.H. Division
 Re-Entry Fee Bill Adjustment Information**

Winter 2017-2018 Report

Report Date: September 18, 2017

I. Annual System Average Unit Capacity Cost Applicable for Re-Entry Fee:

Date:	November 2017 - October 2018
Annual Average Unit Cost:	\$ 257.69
25% - Annual Charge for Re-Entry Fee:	\$ 64.42
Monthly Unit Charge for Re-Entry Fee:	\$ 5.37

II. Re-Entry Fee Activity for Prior Year:

	<u>No. of</u> <u>Customers</u>	<u>Charges</u> <u>Recovered</u>
2016 Nov	0	\$ -
Dec	0	\$ -
2017 Jan	0	\$ -
Feb	0	\$ -
Mar	0	\$ -
Apr	0	\$ -
May	0	\$ -
Jun	0	\$ -
Jul	0	\$ -
Aug	0	\$ -
Sep	0	\$ -
Oct	<u>0</u>	<u>\$ -</u>
Year-to-date	0	\$ -

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION
 NOV 2017 - OCT 2018 CAPACITY COSTS
Unit Capacity Cost for Re-Entry Fee

	Total Northern Capacity Costs	(Modified PR) NH Allocation %	New Hampshire Capacity Costs	Total MDQ, DTH	NH MDQ	Annual Per Unit Cost
Pipeline	\$ 9,265,284		\$ 4,152,700	29,103	13,044	\$318.36
Storage/PNGTS	\$ 23,507,218		\$ 10,535,935	36,525	16,371	\$643.59
Peaking	\$ 4,545,078		\$ 2,037,104	56,216	25,196	\$80.85
Asset Management and Capacity Release Credits	\$ (4,245,078)		\$ (1,902,644)			
			\$ -	6,500	2,913	
Total	\$ 33,072,502	44.82%	\$ 14,823,095	128,344	57,524	\$257.69
25% of Unit Capacity Cost						\$ 64.42

Winter Period Re-Entry Surcharge Calculation
(Applicable to Capacity Assigned Customers Returning to Sales Service)

Line	Item	HLF (50, 51, 52)	LLF (40, 41, 42)	Weighted Average	Reference
1	Winter Demand Cost of Gas Rate	\$ 0.1661	\$ 0.2763	\$ 0.2618	No Change from Page 3 - Lines 80 and 100 of Summary - <u>Includes</u> PNGTS Refund
2	Winter Commodity Cost of Gas Rate	\$ 0.4353	\$ 0.4263	\$ 0.4275	No Change from Page 3 - Lines 86 and 106 of Summary
3	Winter Indirect Cost of Gas	\$ 0.0295	\$ 0.0295	\$ 0.0295	Reflects Prior Period Over Collection removed from Page 1, Line 22 of Summary
4	Winter Cost of Gas Rate (Exclusive of Credits)	\$ 0.6309	\$ 0.7321	\$ 0.7188	Sum Lines 1 through 3
5	Winter Cost of Gas Rate for Incumbent Sales Customers	\$ 0.6227	\$ 0.7239	\$ 0.7106	Page 3 - Lines 73 and 93 of Summary
6	Winter Re-Entry Surcharge	\$ 0.0082	\$ 0.0082	\$ 0.0082	Positive Difference between Line 4 and Line 5
7	Projected Sales (therms)	2,448,624	16,182,727	18,631,351	Page 3 - Lines 85 and 105 of Summary

Summer Period Re-Entry Surcharge & Conversion Surcharge Calculation
(Applicable to Capacity Assigned & Capacity Exempt Customers Returning to Sales Service)

Line	Item	HLF (50, 51, 52)	LLF (40, 41, 42)	Weighted Average	Reference
8	Summer Demand Cost of Gas Rate	\$ 0.0793	\$ 0.1504	\$ 0.1411	No Change from Page 7 - Lines 190 and 210 of Summary - PNGTS Refund Completed
9	Summer Commodity Cost of Gas Rate	\$ 0.2730	\$ 0.2730	\$ 0.2730	No Change from Page 7 - Lines 196 and 216 of Summary
10	Summer Indirect Cost of Gas	\$ 0.0105	\$ 0.0105	\$ 0.0105	Reflects Prior Period Over Collection removed from Page 5, Line 132 of Summary
11	Summer Cost of Gas Rate (Exclusive of Credits)	\$ 0.3628	\$ 0.4339	\$ 0.4246	Sum Lines 8 through 10
12	Summer Cost of Gas Rate for Incumbent Sales Customers	\$ 0.3543	\$ 0.4254	\$ 0.4161	Lines 91 and 111 of Summary
13	Summer Re-Entry Surcharge	\$ 0.0085	\$ 0.0085	\$ 0.0085	Positive Difference between Line 11 and Line 12
14	Projected Sales (therms)	1,757,926	2,713,210	4,471,136	No Change from Page 7 - Lines 196 and 216 of Summary

Winter Period Conversion Surcharge Calculation
(Applicable to Capacity Exempt Customers Returning to Sales Service)

Line	Item	HLF (50, 51, 52)	LLF (40, 41, 42)	
1	LLF Winter Demand Cost of Gas Rate	\$ 0.3191	\$ 0.3191	Page 3 - Line 100 of Summary - <u>Excludes</u> PNGTS Refund since Capacity Exempt Customers were not allocated PNGTS contract costs
2	LLF Winter Commodity Cost of Gas Rate	\$ 0.4263	\$ 0.4263	Page 3 - Line 106 of Summary
3	LLF Winter Indirect Cost of Gas	\$ 0.0295	\$ 0.0295	Reflects Prior Period Over Collection removed from Page 1, Line 22 of Summary
4	Floor Price (LLF Winter Cost of Gas Rate, Exclusive of Credits)	\$ 0.7749	\$ 0.7749	Sum Lines 1 through 3.
5	Total Incremental Cost	\$ 0.6408	\$ 0.6408	See Line 15 of Incremental Commodity Price Worksheet
6	Total Conversion Rate	\$ 0.7749	\$ 0.7749	Maximum of Line 4 and Line 5
7	Winter Gas Adjustment Factor for Incumbent Sales Customers	\$ 0.6227	\$ 0.7239	Page 3 - Lines 73 and 93 of Summary
8	Conversion Surcharge	\$ 0.1522	\$ 0.0510	Positive Difference between Line 6 and Line 7

Incremental Commodity Price Worksheet

Line	Month	NYMEX	Algonquin City-Gate Basis	Projected FOM Index	Projected Non-Capacity Assigned Delivery Service Loads	Comments
1	Nov-17	\$ 3.050	\$ 0.420	\$ 3.470	212,129	
2	Dec-17	\$ 3.200	\$ 3.100	\$ 6.300	223,242	
3	Jan-18	\$ 3.300	\$ 5.460	\$ 8.760	252,563	
4	Feb-18	\$ 3.300	\$ 5.470	\$ 8.770	223,449	
5	Mar-18	\$ 3.260	\$ 2.050	\$ 5.310	253,101	
6	Apr-18	\$ 2.930	\$ 0.210	\$ 3.140	210,092	
7	Winter Period Weighed Average Baseload Price (\$/Dth)			\$ 6.052	1,374,577	Average, Weighted by Loads, Lines 1 through 6
8	Load Shape Price Factor			1.018		See Load Shape Price Factor Worksheet
9	Winter Period Incremental Load Shape Price (\$/Dth)			\$ 6.160		Line 7 times Line 8
10	Granite Fuel			0.35%		Granite Tariff
11	Granite Variable Transport (\$/Dth)			\$ 0.1466		Granite Tariff (IT Daily Rate plus ACA)
12	Northern City-Gate Price (\$/Dth)			\$ 6.328		Line 9 times (1 plus Line 10) plus Line 11
13	New Hampshire Division City-Gate Sendout to Sales Ratio			1.0126		See Att NUI-FXW-2
14	Northern Retail Meter Price (\$/Dth)			\$ 6.408		Line 12 times Line 13
15	Northern Retail Meter Price (\$/therm)			\$ 0.6408		Line 14 divided by 10

Load Shape Price Factor Worksheet

Month	Date	Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment			2016-2017 Cost Analysis	
		Capacity Assigned	Capacity Exempt	Total	Capacity Assigned	Capacity Exempt	Total	AGT City-Gate Price	AGT City-Gate Cost
Nov-16	11/1/2016	5,055	8,218	13,273	-	8,218	8,218	\$ 2.500	\$ 20,545
Nov-16	11/2/2016	4,376	6,941	11,317	-	6,941	6,941	\$ 2.035	\$ 14,125
Nov-16	11/3/2016	4,978	7,451	12,429	-	7,451	7,451	\$ 1.910	\$ 14,231
Nov-16	11/4/2016	5,712	8,306	14,018	-	8,306	8,306	\$ 1.970	\$ 16,363
Nov-16	11/5/2016	4,799	7,022	11,821	-	7,022	7,022	\$ 1.860	\$ 13,061
Nov-16	11/6/2016	5,487	5,878	11,365	-	5,878	5,878	\$ 1.860	\$ 10,933
Nov-16	11/7/2016	6,268	8,839	15,107	-	8,839	8,839	\$ 1.860	\$ 16,441
Nov-16	11/8/2016	4,971	9,149	14,120	-	9,149	9,149	\$ 1.820	\$ 16,651
Nov-16	11/9/2016	5,184	8,431	13,615	-	8,431	8,431	\$ 2.105	\$ 17,747
Nov-16	11/10/2016	5,041	7,859	12,900	-	7,859	7,859	\$ 2.930	\$ 23,027
Nov-16	11/11/2016	6,165	7,706	13,871	-	7,706	7,706	\$ 2.210	\$ 17,030
Nov-16	11/12/2016	5,511	7,426	12,937	-	7,426	7,426	\$ 2.135	\$ 15,855
Nov-16	11/13/2016	5,014	6,540	11,554	-	6,540	6,540	\$ 2.135	\$ 13,963
Nov-16	11/14/2016	4,943	7,807	12,750	-	7,807	7,807	\$ 2.135	\$ 16,668
Nov-16	11/15/2016	4,566	7,597	12,163	-	7,597	7,597	\$ 2.310	\$ 17,549
Nov-16	11/16/2016	4,861	7,136	11,997	-	7,136	7,136	\$ 2.400	\$ 17,126
Nov-16	11/17/2016	5,313	7,979	13,292	-	7,979	7,979	\$ 2.325	\$ 18,551
Nov-16	11/18/2016	5,008	7,625	12,633	-	7,625	7,625	\$ 1.935	\$ 14,754
Nov-16	11/19/2016	4,646	6,746	11,392	-	6,746	6,746	\$ 3.155	\$ 21,284
Nov-16	11/20/2016	6,720	6,700	13,420	-	6,700	6,700	\$ 3.155	\$ 21,139
Nov-16	11/21/2016	7,492	9,328	16,820	-	9,328	9,328	\$ 3.155	\$ 29,430
Nov-16	11/22/2016	7,280	8,793	16,073	-	8,793	8,793	\$ 3.945	\$ 34,688
Nov-16	11/23/2016	6,810	6,111	12,921	-	6,111	6,111	\$ 4.080	\$ 24,933
Nov-16	11/24/2016	6,353	5,156	11,509	-	5,156	5,156	\$ 2.960	\$ 15,262
Nov-16	11/25/2016	6,256	4,994	11,250	-	4,994	4,994	\$ 2.960	\$ 14,782
Nov-16	11/26/2016	6,049	4,750	10,799	-	4,750	4,750	\$ 2.960	\$ 14,060
Nov-16	11/27/2016	6,848	5,952	12,800	-	5,952	5,952	\$ 2.960	\$ 17,618

Load Shape Price Factor Worksheet

Month	Date	Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment			2016-2017 Cost Analysis	
		Capacity Assigned	Capacity Exempt	Total	Capacity Assigned	Capacity Exempt	Total	AGT City-Gate Price	AGT City-Gate Cost
Nov-16	11/28/2016	7,085	8,322	15,407	-	8,322	8,322	\$ 2.960	\$ 24,633
Nov-16	11/29/2016	6,014	8,438	14,452	-	8,438	8,438	\$ 3.040	\$ 25,652
Nov-16	11/30/2016	5,639	7,916	13,555	-	7,916	7,916	\$ 2.530	\$ 20,027
Dec-16	12/1/2016	4,426	8,320	12,746	-	8,320	8,320	\$ 2.915	\$ 24,253
Dec-16	12/2/2016	4,312	8,026	12,338	-	8,026	8,026	\$ 3.645	\$ 29,255
Dec-16	12/3/2016	4,642	7,609	12,251	-	7,609	7,609	\$ 4.420	\$ 33,632
Dec-16	12/4/2016	5,164	7,057	12,221	-	7,057	7,057	\$ 4.420	\$ 31,192
Dec-16	12/5/2016	5,586	8,562	14,148	-	8,562	8,562	\$ 4.420	\$ 37,844
Dec-16	12/6/2016	5,192	8,283	13,475	-	8,283	8,283	\$ 6.070	\$ 50,278
Dec-16	12/7/2016	5,182	7,814	12,996	-	7,814	7,814	\$ 4.670	\$ 36,491
Dec-16	12/8/2016	5,349	7,918	13,267	-	7,918	7,918	\$ 6.135	\$ 48,577
Dec-16	12/9/2016	6,020	8,062	14,082	-	8,062	8,062	\$ 9.730	\$ 78,443
Dec-16	12/10/2016	6,167	7,331	13,498	-	7,331	7,331	\$ 9.615	\$ 70,488
Dec-16	12/11/2016	5,293	5,256	10,549	-	5,256	5,256	\$ 9.615	\$ 50,536
Dec-16	12/12/2016	5,344	7,858	13,202	-	7,858	7,858	\$ 9.615	\$ 75,555
Dec-16	12/13/2016	5,002	8,325	13,327	-	8,325	8,325	\$ 5.760	\$ 47,952
Dec-16	12/14/2016	5,538	7,969	13,507	-	7,969	7,969	\$ 9.955	\$ 79,331
Dec-16	12/15/2016	7,724	9,639	17,363	-	9,639	9,639	\$ 12.845	\$ 123,813
Dec-16	12/16/2016	7,043	9,019	16,062	-	9,019	9,019	\$ 9.755	\$ 87,980
Dec-16	12/17/2016	5,411	7,504	12,915	-	7,504	7,504	\$ 6.590	\$ 49,451
Dec-16	12/18/2016	5,265	7,233	12,498	-	7,233	7,233	\$ 6.590	\$ 47,665
Dec-16	12/19/2016	6,921	9,635	16,556	-	9,635	9,635	\$ 6.590	\$ 63,495
Dec-16	12/20/2016	5,693	8,728	14,421	-	8,728	8,728	\$ 9.870	\$ 86,145
Dec-16	12/21/2016	5,156	7,489	12,645	-	7,489	7,489	\$ 7.675	\$ 57,478
Dec-16	12/22/2016	5,377	7,427	12,804	-	7,427	7,427	\$ 6.900	\$ 51,246
Dec-16	12/23/2016	4,635	6,260	10,895	-	6,260	6,260	\$ 8.355	\$ 52,302
Dec-16	12/24/2016	4,302	4,138	8,440	-	4,138	4,138	\$ 5.145	\$ 21,290

Load Shape Price Factor Worksheet

Month	Date	Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment			2016-2017 Cost Analysis	
		Capacity Assigned	Capacity Exempt	Total	Capacity Assigned	Capacity Exempt	Total	AGT City-Gate Price	AGT City-Gate Cost
Dec-16	12/25/2016	5,422	4,977	10,399	-	4,977	4,977	\$ 5.145	\$ 25,607
Dec-16	12/26/2016	4,666	4,642	9,308	-	4,642	4,642	\$ 5.145	\$ 23,883
Dec-16	12/27/2016	4,298	6,221	10,519	-	6,221	6,221	\$ 5.145	\$ 32,007
Dec-16	12/28/2016	5,065	7,313	12,378	-	7,313	7,313	\$ 5.680	\$ 41,538
Dec-16	12/29/2016	5,226	6,424	11,650	-	6,424	6,424	\$ 5.375	\$ 34,529
Dec-16	12/30/2016	5,438	4,937	10,375	-	4,937	4,937	\$ 5.595	\$ 27,623
Dec-16	12/31/2016	4,825	4,453	9,278	-	4,453	4,453	\$ 5.595	\$ 24,915
Jan-17	1/1/2017	7,451	5,110	12,561	-	5,110	5,110	\$ 5.065	\$ 25,882
Jan-17	1/2/2017	6,501	5,040	11,541	-	5,040	5,040	\$ 5.065	\$ 25,528
Jan-17	1/3/2017	6,162	7,450	13,612	-	7,450	7,450	\$ 5.065	\$ 37,734
Jan-17	1/4/2017	6,397	7,737	14,134	-	7,737	7,737	\$ 5.215	\$ 40,348
Jan-17	1/5/2017	7,068	8,164	15,232	-	8,164	8,164	\$ 6.705	\$ 54,740
Jan-17	1/6/2017	8,742	8,472	17,214	-	8,472	8,472	\$ 8.115	\$ 68,750
Jan-17	1/7/2017	9,698	8,375	18,073	-	8,375	8,375	\$ 9.195	\$ 77,008
Jan-17	1/8/2017	10,193	6,957	17,150	-	6,957	6,957	\$ 9.195	\$ 63,970
Jan-17	1/9/2017	10,251	9,739	19,990	-	9,739	9,739	\$ 9.195	\$ 89,550
Jan-17	1/10/2017	6,847	8,401	15,248	-	8,401	8,401	\$ 5.265	\$ 44,231
Jan-17	1/11/2017	5,427	6,994	12,421	-	6,994	6,994	\$ 3.855	\$ 26,962
Jan-17	1/12/2017	4,562	6,954	11,516	-	6,954	6,954	\$ 3.370	\$ 23,435
Jan-17	1/13/2017	8,394	8,704	17,098	-	8,704	8,704	\$ 4.865	\$ 42,345
Jan-17	1/14/2017	8,148	7,838	15,986	-	7,838	7,838	\$ 5.430	\$ 42,560
Jan-17	1/15/2017	8,322	8,036	16,358	-	8,036	8,036	\$ 5.430	\$ 43,635
Jan-17	1/16/2017	7,682	8,523	16,205	-	8,523	8,523	\$ 5.430	\$ 46,280
Jan-17	1/17/2017	7,085	7,956	15,041	-	7,956	7,956	\$ 5.430	\$ 43,201
Jan-17	1/18/2017	7,930	8,113	16,043	-	8,113	8,113	\$ 3.660	\$ 29,694
Jan-17	1/19/2017	6,876	7,704	14,580	-	7,704	7,704	\$ 3.620	\$ 27,888
Jan-17	1/20/2017	6,516	7,520	14,036	-	7,520	7,520	\$ 3.735	\$ 28,087

Load Shape Price Factor Worksheet

Month	Date	Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment			2016-2017 Cost Analysis	
		Capacity Assigned	Capacity Exempt	Total	Capacity Assigned	Capacity Exempt	Total	AGT City-Gate Price	AGT City-Gate Cost
Jan-17	1/21/2017	5,947	6,271	12,218	-	6,271	6,271	\$ 3.225	\$ 20,224
Jan-17	1/22/2017	6,951	5,447	12,398	-	5,447	5,447	\$ 3.225	\$ 17,567
Jan-17	1/23/2017	7,905	8,039	15,944	-	8,039	8,039	\$ 3.225	\$ 25,926
Jan-17	1/24/2017	7,645	8,394	16,039	-	8,394	8,394	\$ 3.575	\$ 30,009
Jan-17	1/25/2017	7,096	7,969	15,065	-	7,969	7,969	\$ 3.590	\$ 28,609
Jan-17	1/26/2017	6,442	7,296	13,738	-	7,296	7,296	\$ 3.560	\$ 25,974
Jan-17	1/27/2017	6,903	7,776	14,679	-	7,776	7,776	\$ 4.005	\$ 31,143
Jan-17	1/28/2017	6,875	7,148	14,023	-	7,148	7,148	\$ 5.165	\$ 36,919
Jan-17	1/29/2017	7,468	6,924	14,392	-	6,924	6,924	\$ 5.165	\$ 35,762
Jan-17	1/30/2017	8,679	8,767	17,446	-	8,767	8,767	\$ 5.165	\$ 45,282
Jan-17	1/31/2017	8,503	8,869	17,372	-	8,869	8,869	\$ 5.110	\$ 45,321
Feb-17	2/1/2017	7,899	8,398	16,297	-	8,398	8,398	\$ 4.540	\$ 38,127
Feb-17	2/2/2017	8,287	8,628	16,915	-	8,628	8,628	\$ 5.445	\$ 46,979
Feb-17	2/3/2017	8,475	8,750	17,225	-	8,750	8,750	\$ 5.310	\$ 46,463
Feb-17	2/4/2017	7,951	7,934	15,885	-	7,934	7,934	\$ 4.535	\$ 35,981
Feb-17	2/5/2017	7,250	5,891	13,141	-	5,891	5,891	\$ 4.535	\$ 26,716
Feb-17	2/6/2017	8,040	8,348	16,388	-	8,348	8,348	\$ 4.535	\$ 37,858
Feb-17	2/7/2017	9,043	9,208	18,251	-	9,208	9,208	\$ 3.110	\$ 28,637
Feb-17	2/8/2017	7,107	7,621	14,728	-	7,621	7,621	\$ 3.350	\$ 25,530
Feb-17	2/9/2017	10,686	9,347	20,033	-	9,347	9,347	\$ 5.855	\$ 54,727
Feb-17	2/10/2017	10,236	9,122	19,358	-	9,122	9,122	\$ 5.860	\$ 53,455
Feb-17	2/11/2017	9,465	7,889	17,354	-	7,889	7,889	\$ 4.195	\$ 33,094
Feb-17	2/12/2017	8,435	6,107	14,542	-	6,107	6,107	\$ 4.195	\$ 25,619
Feb-17	2/13/2017	9,059	8,112	17,171	-	8,112	8,112	\$ 4.195	\$ 34,030
Feb-17	2/14/2017	8,187	8,718	16,905	-	8,718	8,718	\$ 4.800	\$ 41,846
Feb-17	2/15/2017	7,567	8,135	15,702	-	8,135	8,135	\$ 3.745	\$ 30,466
Feb-17	2/16/2017	8,661	8,913	17,574	-	8,913	8,913	\$ 4.035	\$ 35,964

Load Shape Price Factor Worksheet

Month	Date	Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment			2016-2017 Cost Analysis	
		Capacity Assigned	Capacity Exempt	Total	Capacity Assigned	Capacity Exempt	Total	AGT City-Gate Price	AGT City-Gate Cost
Feb-17	2/17/2017	7,579	8,265	15,844	-	8,265	8,265	\$ 3.570	\$ 29,506
Feb-17	2/18/2017	5,316	6,779	12,095	-	6,779	6,779	\$ 3.120	\$ 21,150
Feb-17	2/19/2017	5,706	5,531	11,237	-	5,531	5,531	\$ 3.120	\$ 17,257
Feb-17	2/20/2017	7,723	8,246	15,969	-	8,246	8,246	\$ 3.120	\$ 25,728
Feb-17	2/21/2017	6,954	7,504	14,458	-	7,504	7,504	\$ 3.120	\$ 23,412
Feb-17	2/22/2017	6,590	7,785	14,375	-	7,785	7,785	\$ 2.680	\$ 20,864
Feb-17	2/23/2017	4,639	6,807	11,446	-	6,807	6,807	\$ 2.255	\$ 15,350
Feb-17	2/24/2017	4,366	6,007	10,373	-	6,007	6,007	\$ 2.115	\$ 12,705
Feb-17	2/25/2017	5,000	5,282	10,282	-	5,282	5,282	\$ 2.275	\$ 12,017
Feb-17	2/26/2017	6,980	5,576	12,556	-	5,576	5,576	\$ 2.275	\$ 12,685
Feb-17	2/27/2017	6,041	8,049	14,090	-	8,049	8,049	\$ 2.275	\$ 18,311
Feb-17	2/28/2017	5,541	7,547	13,088	-	7,547	7,547	\$ 2.180	\$ 16,452
Mar-17	3/1/2017	3,862	6,572	10,434	-	6,572	6,572	\$ 2.175	\$ 14,294
Mar-17	3/2/2017	8,114	8,341	16,455	-	8,341	8,341	\$ 3.235	\$ 26,983
Mar-17	3/3/2017	9,103	9,299	18,402	-	9,299	9,299	\$ 4.285	\$ 39,846
Mar-17	3/4/2017	10,930	10,205	21,135	-	10,205	10,205	\$ 3.915	\$ 39,953
Mar-17	3/5/2017	9,036	8,705	17,741	-	8,705	8,705	\$ 3.915	\$ 34,080
Mar-17	3/6/2017	7,168	8,920	16,088	-	8,920	8,920	\$ 3.915	\$ 34,922
Mar-17	3/7/2017	6,355	7,901	14,256	-	7,901	7,901	\$ 2.445	\$ 19,318
Mar-17	3/8/2017	5,306	7,103	12,409	-	7,103	7,103	\$ 2.360	\$ 16,763
Mar-17	3/9/2017	6,929	8,059	14,988	-	8,059	8,059	\$ 2.980	\$ 24,016
Mar-17	3/10/2017	9,008	8,814	17,822	-	8,814	8,814	\$ 5.965	\$ 52,576
Mar-17	3/11/2017	10,619	8,896	19,515	-	8,896	8,896	\$ 8.035	\$ 71,479
Mar-17	3/12/2017	9,883	8,268	18,151	-	8,268	8,268	\$ 8.035	\$ 66,433
Mar-17	3/13/2017	8,075	8,225	16,300	-	8,225	8,225	\$ 8.035	\$ 66,088
Mar-17	3/14/2017	8,283	5,909	14,192	-	5,909	5,909	\$ 8.365	\$ 49,429
Mar-17	3/15/2017	8,891	8,762	17,653	-	8,762	8,762	\$ 7.950	\$ 69,658

Load Shape Price Factor Worksheet

Month	Date	Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment			2016-2017 Cost Analysis	
		Capacity Assigned	Capacity Exempt	Total	Capacity Assigned	Capacity Exempt	Total	AGT City-Gate Price	AGT City-Gate Cost
Mar-17	3/16/2017	8,545	8,534	17,079	-	8,534	8,534	\$ 7.500	\$ 64,005
Mar-17	3/17/2017	7,776	8,881	16,657	-	8,881	8,881	\$ 6.680	\$ 59,325
Mar-17	3/18/2017	7,223	7,899	15,122	-	7,899	7,899	\$ 4.290	\$ 33,887
Mar-17	3/19/2017	6,931	6,234	13,165	-	6,234	6,234	\$ 4.290	\$ 26,744
Mar-17	3/20/2017	6,220	8,277	14,497	-	8,277	8,277	\$ 4.290	\$ 35,508
Mar-17	3/21/2017	6,451	7,923	14,374	-	7,923	7,923	\$ 3.305	\$ 26,186
Mar-17	3/22/2017	9,621	9,897	19,518	-	9,897	9,897	\$ 6.960	\$ 68,883
Mar-17	3/23/2017	7,579	8,460	16,039	-	8,460	8,460	\$ 4.035	\$ 34,136
Mar-17	3/24/2017	6,545	6,686	13,231	-	6,686	6,686	\$ 2.800	\$ 18,721
Mar-17	3/25/2017	6,936	7,804	14,740	-	7,804	7,804	\$ 2.640	\$ 20,603
Mar-17	3/26/2017	6,561	8,110	14,671	-	8,110	8,110	\$ 2.640	\$ 21,410
Mar-17	3/27/2017	6,919	8,308	15,227	-	8,308	8,308	\$ 2.640	\$ 21,933
Mar-17	3/28/2017	6,578	8,318	14,896	-	8,318	8,318	\$ 2.820	\$ 23,457
Mar-17	3/29/2017	6,563	8,236	14,799	-	8,236	8,236	\$ 2.920	\$ 24,049
Mar-17	3/30/2017	6,252	8,472	14,724	-	8,472	8,472	\$ 3.065	\$ 25,967
Mar-17	3/31/2017	6,944	8,121	15,065	-	8,121	8,121	\$ 3.665	\$ 29,763
Apr-17	4/1/2017	6,943	7,761	14,704	-	7,761	7,761	\$ 3.710	\$ 28,793
Apr-17	4/2/2017	6,045	7,636	13,681	-	7,636	7,636	\$ 3.710	\$ 28,330
Apr-17	4/3/2017	5,914	7,003	12,917	-	7,003	7,003	\$ 3.710	\$ 25,981
Apr-17	4/4/2017	7,051	7,932	14,983	-	7,932	7,932	\$ 3.610	\$ 28,635
Apr-17	4/5/2017	6,437	8,166	14,603	-	8,166	8,166	\$ 3.740	\$ 30,541
Apr-17	4/6/2017	6,255	7,440	13,695	-	7,440	7,440	\$ 3.220	\$ 23,957
Apr-17	4/7/2017	5,699	6,795	12,494	-	6,795	6,795	\$ 3.410	\$ 23,171
Apr-17	4/8/2017	5,820	6,938	12,758	-	6,938	6,938	\$ 3.305	\$ 22,930
Apr-17	4/9/2017	4,607	6,899	11,506	-	6,899	6,899	\$ 3.305	\$ 22,801
Apr-17	4/10/2017	3,266	6,580	9,846	-	6,580	6,580	\$ 3.305	\$ 21,747
Apr-17	4/11/2017	3,076	6,644	9,720	-	6,644	6,644	\$ 3.100	\$ 20,596

Load Shape Price Factor Worksheet

Month	Date	Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment			2016-2017 Cost Analysis	
		Capacity Assigned	Capacity Exempt	Total	Capacity Assigned	Capacity Exempt	Total	AGT City-Gate Price	AGT City-Gate Cost
Apr-17	4/12/2017	4,970	6,630	11,600	-	6,630	6,630	\$ 3.205	\$ 21,249
Apr-17	4/13/2017	5,173	7,245	12,418	-	7,245	7,245	\$ 3.020	\$ 21,880
Apr-17	4/14/2017	4,796	6,037	10,833	-	6,037	6,037	\$ 2.630	\$ 15,877
Apr-17	4/15/2017	2,898	5,255	8,153	-	5,255	5,255	\$ 2.630	\$ 13,821
Apr-17	4/16/2017	2,698	5,651	8,349	-	5,651	5,651	\$ 2.630	\$ 14,862
Apr-17	4/17/2017	4,167	6,856	11,023	-	6,856	6,856	\$ 2.630	\$ 18,031
Apr-17	4/18/2017	5,603	7,841	13,444	-	7,841	7,841	\$ 3.070	\$ 24,072
Apr-17	4/19/2017	4,749	7,031	11,780	-	7,031	7,031	\$ 3.475	\$ 24,433
Apr-17	4/20/2017	4,984	7,175	12,159	-	7,175	7,175	\$ 2.985	\$ 21,417
Apr-17	4/21/2017	5,572	6,917	12,489	-	6,917	6,917	\$ 2.870	\$ 19,852
Apr-17	4/22/2017	5,250	6,602	11,852	-	6,602	6,602	\$ 2.755	\$ 18,189
Apr-17	4/23/2017	4,363	4,601	8,964	-	4,601	4,601	\$ 2.755	\$ 12,676
Apr-17	4/24/2017	4,742	6,835	11,577	-	6,835	6,835	\$ 2.755	\$ 18,830
Apr-17	4/25/2017	5,558	7,398	12,956	-	7,398	7,398	\$ 3.245	\$ 24,007
Apr-17	4/26/2017	4,464	7,209	11,673	-	7,209	7,209	\$ 2.735	\$ 19,717
Apr-17	4/27/2017	4,347	6,757	11,104	-	6,757	6,757	\$ 3.140	\$ 21,217
Apr-17	4/28/2017	2,801	6,348	9,149	-	6,348	6,348	\$ 2.895	\$ 18,377
Apr-17	4/29/2017	3,188	5,064	8,252	-	5,064	5,064	\$ 2.895	\$ 14,660
Apr-17	4/30/2017	4,913	4,166	9,079	-	4,166	4,166	\$ 2.895	\$ 12,061
Winter Period		1,157,132	1,352,282	2,509,414	-	1,352,282	1,352,282	\$ 4.394	\$ 5,941,538
								Weighted Average Daily Price	\$ 4.394
								Straight Average Daily Price	\$ 4.315
								Load Shape Price Factor	1.018

Month	Projected Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment		
	Capacity Assigned	Capacity Exempt	Total	Capacity Assigned	Capacity Exempt	Total
Nov-17	180,561	212,129	392,690	-	212,129	212,129
Dec-17	233,607	223,242	456,849	-	223,242	223,242
Jan-18	252,415	252,563	504,978	-	252,563	252,563
Feb-18	227,861	223,449	451,309	-	223,449	223,449
Mar-18	212,338	253,101	465,439	-	253,101	253,101
Apr-18	163,578	210,092	373,671	-	210,092	210,092
Winter	1,270,359	1,374,577	2,644,936	-	1,374,577	1,374,577