

Northern Utilities, Inc.							
Normal Year Weather - Sales Service and Company Managed Sales Load							
Commodity Volumes by Supply Source (Dth)							
November 2021 through March 2022							
	Variable NYMEX	1,029,431	1,118,692	1,296,666	971,509	1,072,233	5,488,530
	Fixed NYMEX	334,018	773,384	919,071	957,908	663,080	3,647,462
Description	Percent Fixed NYMEX NYMEX Pricing Type (Fixed or Variable)	24% Nov-21	41% Dec-21	41% Jan-22	50% Feb-22	38% Mar-22	40% Winter
<b>Pipeline Supplies</b>							
Tennessee Long-Haul Pipeline Path	Variable	281,181	316,267	264,227	240,554	280,537	1,382,765
Algonquin Receipts Pipeline Path	Variable	37,530	38,781	38,781	35,028	38,781	188,901
Iroquois Receipts Pipeline Path	Variable	187,431	193,679	193,679	174,936	193,679	943,403
Tennessee Niagara Pipeline Path	Variable	54,349	56,161	56,161	50,726	56,161	273,557
Atlantic Bridge Ramapo Pipeline Path	Variable	175,110	180,947	180,947	163,436	180,947	881,387
PXP Dawn Pipeline Path	Variable	227,792	240,125	240,125	216,887	240,125	1,165,054
Subtotal Pipeline		963,393	1,025,960	973,919	881,566	990,229	4,835,067
<b>Underground Storage</b>							
Tennessee Storage	Fixed	0	66,386	66,386	59,632	14,438	206,842
TGP Zone 4 300 Leg Supply	Variable	64,244	0	0	330	51,947	116,521
Tennessee FS-MA Storage Path		64,244	66,386	66,386	59,961	66,386	323,363
Union Dawn Storage	Fixed	334,018	664,818	747,767	810,716	584,350	3,141,670
Dawn Supply	Variable	0	0	0	7,166	27,942	35,108
Union Dawn Storage Path		334,018	664,818	747,767	817,882	612,292	3,176,778
Subtotal Storage		398,262	731,204	814,153	877,844	678,678	3,500,141
<b>Peaking Supplies</b>							
Lewiston LNG	Variable	1,794	1,854	1,854	1,674	1,854	9,030
PNGTS Delivered (Dec - Feb)	Variable	0	77,229	77,229	69,755	0	224,213
Peaking Contract 1	Variable	0	13,649	243,664	11,017	261	268,591
Peaking Contract 2	Fixed	0	42,181	104,918	87,560	64,291	298,950
Subtotal Peaking		1,794	134,913	427,664	170,007	66,406	800,784
<b>Total Delivered (Dth)</b>		<b>1,363,449</b>	<b>1,892,076</b>	<b>2,215,737</b>	<b>1,929,417</b>	<b>1,735,313</b>	<b>9,135,992</b>

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Normal Year Weather - Sales Service and Company Managed Sales Load							
Commodity Volumes by Supply Source (Dth)							
November 2021 through March 2022							
	Variable NYMEX	654,431	421,463	599,437	341,754	684,733	2,701,818
	Fixed NYMEX	709,018	1,470,613	1,616,300	1,587,663	1,050,580	6,434,174
Description	Percent Fixed NYMEX NYMEX Pricing Type (Fixed or Variable)	52% Nov-21	78% Dec-21	73% Jan-22	82% Feb-22	61% Mar-22	70% Winter
<b>Pipeline Supplies</b>							
Tennessee Long-Haul Pipeline Path	Variable	111,951	141,396	89,356	82,606	105,666	530,974
Tennessee Long-Haul Pipeline Path	Fixed	169,230	174,871	174,871	157,948	174,871	851,791
Algonquin Receipts Pipeline Path	Fixed	37,530	38,781	38,781	35,028	38,781	188,901
Iroquois Receipts Pipeline Path	Variable	19,191	19,831	19,831	17,912	19,831	96,595
Iroquois Receipts Pipeline Path	Fixed	168,240	173,848	173,848	157,024	173,848	846,808
Tennessee Niagara Pipeline Path	Variable	54,349	56,161	56,161	50,726	56,161	273,557
Tennessee Niagara Pipeline Path	Fixed						0
Atlantic Bridge Ramapo Pipeline Path	Variable	175,110	180,947	180,947	163,436	180,947	881,387
PXP Dawn Pipeline Path	Variable	227,792	7,625	7,625	6,887	240,125	490,054
PXP Dawn Pipeline Path	Fixed		232,500	232,500	210,000		675,000
WXP Dawn Pipeline Path	Variable	0	0	0	0	0	0
Subtotal Pipeline		963,393	1,025,960	973,919	881,566	990,229	4,835,067
<b>Underground Storage</b>							
Tennessee Storage	Fixed	0	66,386	66,386	59,632	14,438	206,842
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Union Dawn Storage	Fixed	334,018	664,818	747,767	810,716	584,350	3,141,670
Dawn Supply	Variable	0	0	0	7,166	27,942	35,108
Union Dawn Storage Path		334,018	664,818	747,767	817,882	612,292	3,176,778
Subtotal Storage		398,262	731,204	814,153	877,844	678,678	3,500,141
<b>Peaking Supplies</b>							
Lewiston LNG	Variable	1,794	1,854	1,854	1,674	1,854	9,030
PNGTS Delivered (Dec - Feb) - Hedged	Fixed	0	77,229	77,229	69,755	0	224,213
Peaking Contract 1	Variable	0	13,649	243,664	11,017	261	268,591
Peaking Contract 2	Fixed	0	42,181	104,918	87,560	64,291	298,950
Subtotal Peaking		1,794	134,913	427,664	170,007	66,406	800,784
<b>Total Delivered (Dth)</b>		<b>1,363,449</b>	<b>1,892,076</b>	<b>2,215,737</b>	<b>1,929,417</b>	<b>1,735,313</b>	<b>9,135,992</b>

Trade Date	Trade Time	Supply Source	Dth/Day	Term	Trade Price	Average NYMEX Price Observed @ Trade Time	NYMEX Prices Observed @ Trade Time				
							Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
9/17/2021	12:59 PM	PNGTS Delivered	2,500	Dec 2021 - Feb 2022	\$ 5.40	\$ 5.397 N/A		\$ 5.375	\$ 5.451	\$ 5.364	N/A
9/17/2021	1:27 PM	Tennessee Long-Haul AMA	5,641	Nov 2021 - Mar 2022	\$ 5.27	\$ 5.292	\$ 5.263	\$ 5.377	\$ 5.450	\$ 5.367	\$ 5.003
9/17/2021	1:27 PM	Iroquois Receipts AMA	5,608	Nov 2021 - Mar 2022	\$ 5.27	\$ 5.292	\$ 5.263	\$ 5.377	\$ 5.450	\$ 5.367	\$ 5.003
9/17/2021	1:27 PM	Algonquin Receipts AMA	1,251	Nov 2021 - Mar 2022	\$ 5.27	\$ 5.292	\$ 5.263	\$ 5.377	\$ 5.450	\$ 5.367	\$ 5.003
9/21/2021	2:41 PM	Dawn Hub AMA	5,000	Dec 2021 - Feb 2022	\$ 4.98	\$ 4.958 N/A		\$ 4.941	\$ 5.007	\$ 4.925	N/A
9/22/2021	8:52 AM	Dawn Hub AMA	2,500	Dec 2021 - Feb 2022	\$ 4.98	\$ 4.970 N/A		\$ 4.949	\$ 5.020	\$ 4.942	N/A

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	\$0.2543	\$0.3805	\$0.3379	Summary
2	Winter Commodity Cost of Gas Rate	\$0.5575	\$0.5411	\$0.5466	Summary
3	Winter Indirect Cost of Gas	\$0.0335	\$0.0335	\$0.0335	Summary, Removing any Prior Period Over-Collection or Supplier Refunds
4	Winter Cost of Gas Rate (Exclusive of Credits)	\$0.8453	\$0.9551	\$0.9180	Sum Lines 1 through 3
5	Winter Cost of Gas Rate for Incumbent Sales Customers	\$0.8453	\$0.9551	\$0.9180	Summary
<b>6</b>	<b>Winter Re-Entry Surcharge</b>	\$0.0000	\$0.0000	<b>\$0.0000</b>	<b>Positive Difference between Line 4 and Line 5</b>
7	Projected Sales (therms)	13,608,737	26,660,466	40,269,203	FXW-2 - Distribution Service Deliveries, excluding Special Contracts

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	\$0.1085	\$0.1789	\$0.1551	Summary
9	Summer Commodity Cost of Gas Rate	\$0.3515	\$0.3516	\$0.3516	Summary
10	Summer Indirect Cost of Gas	\$0.0141	\$0.0141	\$0.0141	Summary, Removing any Prior Period Over-Collection or Supplier Refunds
11	Summer Cost of Gas Rate (Exclusive of Credits)	\$0.4741	\$0.5446	\$0.5208	Sum Lines 8 through 10
12	Summer Cost of Gas Rate for Incumbent Sales Customers	\$0.4741	\$0.5446	\$0.5208	Summary
<b>13</b>	<b>Summer Re-Entry Surcharge</b>	\$0.0000	\$0.0000	<b>\$0.0000</b>	<b>Positive Difference between Line 11 and Line 12</b>
14	Projected Sales (therms)	11,439,284	6,075,647	17,514,931	FXW-2 - Distribution Service Deliveries, excluding Special Contracts

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

Line	Item	HLF (50, 51, 52)	LLF (40, 41, 42)	Reference
1	LLF Winter Demand Cost of Gas Rate	\$0.3805	\$0.3805	Summary
2	LLF Winter Commodity Cost of Gas Rate	\$0.5411	\$0.5411	Summary
3	LLF Winter Indirect Cost of Gas	\$0.0335	\$0.0335	Summary, Removing any Prior Period Over-Collection or Supplier Refunds
4	Floor Price (LLF Winter Cost of Gas Rate, Exclusive of Credits)	\$0.9551	\$0.9551	Sum Lines 1 through 3.
5	Total Incremental Cost	\$1.7094	\$1.7094	See Line 15 of Incremental Commodity Price Worksheet
6	Total Conversion Rate	\$1.7094	\$1.7094	Maximum of Line 4 and Line 5
7	Winter Gas Adjustment Factor for Incumbent Sales Customers	\$0.8453	\$0.9551	Summary
<b>8</b>	<b>Conversion Surcharge</b>	<b>\$0.8641</b>	<b>\$0.7543</b>	<b>Positive Difference between Line 6 and Line 7</b>

Incremental Commodity Price Worksheet

10/6/2021 Settlement Prices

Line	Month	NYMEX	Projected PNGTS Delivered Basis	Projected FOM Index	Projected Non-Capacity Assigned Delivery Service Loads	Comments
1	Nov-21	\$ 5.675	\$ 4.254	\$ 9.929	227,140	
2	Dec-21	\$ 5.803	\$ 13.479	\$ 19.282	231,339	
3	Jan-22	\$ 5.888	\$ 17.574	\$ 23.462	256,763	
4	Feb-22	\$ 5.787	\$ 17.374	\$ 23.161	242,833	
5	Mar-22	\$ 5.437	\$ 7.479	\$ 12.916	255,609	
6	Apr-22	\$ 3.997	\$ 1.682	\$ 5.679	232,427	
7	Winter Period Weighed Average Baseload Price (\$/Dth)			\$ 15.895	1,446,111	Average, Weighted by Loads, Lines 1 through 6
8	Load Shape Price Factor			1.046		See Load Shape Price Factor Worksheet
9	Winter Period Incremental Load Shape Price (\$/Dth)			\$ 16.626		Line 7 times Line 8
10	Granite Fuel			0.35%		Granite Tariff
11	Granite Variable Transport (\$/Dth)			\$ 0.1955		Granite Tariff (IT Daily Rate plus ACA)
12	Northern City-Gate Price (\$/Dth)			\$ 16.880		Line 9 times (1 plus Line 10) plus Line 11
13	New Hampshire Division City-Gate Sendout to Sales Ratio			1.0127		See FXW-2
14	Northern Retail Meter Price (\$/Dth)			\$ 17.094		Line 12 times Line 13
15	Northern Retail Meter Price (\$/therm)			\$ 1.7094		Line 14 divided by 10

## Load Shape Price Factor Worksheet

Month	Date	Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment			2020-2021 Cost Analysis	
		Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT City-Gate Price	AGT City-Gate Cost
Nov-20	11/1/2020	5,214	5,687	10,901	5,214	-	5,214	\$ 3.540	\$ 18,458
Nov-20	11/2/2020	7,917	7,680	15,597	7,917	-	7,917	\$ 3.540	\$ 28,026
Nov-20	11/3/2020	8,861	7,600	16,461	8,861	-	8,861	\$ 3.870	\$ 34,292
Nov-20	11/4/2020	8,610	6,394	15,004	8,610	-	8,610	\$ 2.150	\$ 18,512
Nov-20	11/5/2020	7,067	3,727	10,794	7,067	-	7,067	\$ 0.840	\$ 5,936
Nov-20	11/6/2020	6,242	3,333	9,575	6,242	-	6,242	\$ 0.775	\$ 4,838
Nov-20	11/7/2020	5,621	3,529	9,150	5,621	-	5,621	\$ 0.375	\$ 2,108
Nov-20	11/8/2020	4,856	4,706	9,562	4,856	-	4,856	\$ 0.375	\$ 1,821
Nov-20	11/9/2020	7,024	5,256	12,280	7,024	-	7,024	\$ 0.375	\$ 2,634
Nov-20	11/10/2020	6,973	3,416	10,389	6,973	-	6,973	\$ 0.605	\$ 4,219
Nov-20	11/11/2020	6,542	3,277	9,819	6,542	-	6,542	\$ 1.045	\$ 6,836
Nov-20	11/12/2020	7,298	5,781	13,079	7,298	-	7,298	\$ 1.580	\$ 11,531
Nov-20	11/13/2020	7,241	6,614	13,855	7,241	-	7,241	\$ 2.155	\$ 15,604
Nov-20	11/14/2020	6,910	6,675	13,585	6,910	-	6,910	\$ 2.280	\$ 15,755
Nov-20	11/15/2020	5,002	5,543	10,545	5,002	-	5,002	\$ 2.280	\$ 11,405
Nov-20	11/16/2020	8,084	6,553	14,637	8,084	-	8,084	\$ 2.280	\$ 18,432
Nov-20	11/17/2020	8,481	7,686	16,167	8,481	-	8,481	\$ 4.210	\$ 35,705
Nov-20	11/18/2020	8,787	9,407	18,194	8,787	-	8,787	\$ 4.360	\$ 38,311
Nov-20	11/19/2020	7,805	6,860	14,665	7,805	-	7,805	\$ 2.225	\$ 17,366
Nov-20	11/20/2020	6,803	4,945	11,748	6,803	-	6,803	\$ 1.550	\$ 10,545
Nov-20	11/21/2020	6,874	5,906	12,780	6,874	-	6,874	\$ 1.985	\$ 13,645
Nov-20	11/22/2020	6,401	5,695	12,096	6,401	-	6,401	\$ 1.985	\$ 12,706
Nov-20	11/23/2020	7,890	7,243	15,133	7,890	-	7,890	\$ 1.985	\$ 15,662
Nov-20	11/24/2020	8,841	8,329	17,170	8,841	-	8,841	\$ 3.260	\$ 28,822
Nov-20	11/25/2020	6,628	7,063	13,691	6,628	-	6,628	\$ 1.945	\$ 12,891
Nov-20	11/26/2020	3,997	6,466	10,463	3,997	-	3,997	\$ 1.380	\$ 5,516
Nov-20	11/27/2020	3,744	5,664	9,408	3,744	-	3,744	\$ 1.380	\$ 5,167
Nov-20	11/28/2020	4,035	6,272	10,307	4,035	-	4,035	\$ 1.380	\$ 5,568
Nov-20	11/29/2020	5,149	6,821	11,970	5,149	-	5,149	\$ 1.380	\$ 7,106

## Load Shape Price Factor Worksheet

Month	Date	Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment			2020-2021 Cost Analysis	
		Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT City-Gate Price	AGT City-Gate Cost
Nov-20	11/30/2020	6,843	4,951	11,794	6,843	-	6,843	\$ 1.380	\$ 9,443
Dec-20	12/1/2020	7,332	6,331	13,663	7,332	-	7,332	\$ 2.370	\$ 17,377
Dec-20	12/2/2020	8,043	7,477	15,520	8,043	-	8,043	\$ 2.780	\$ 22,360
Dec-20	12/3/2020	7,734	6,707	14,441	7,734	-	7,734	\$ 2.405	\$ 18,600
Dec-20	12/4/2020	6,547	5,920	12,467	6,547	-	6,547	\$ 2.155	\$ 14,109
Dec-20	12/5/2020	7,116	7,800	14,916	7,116	-	7,116	\$ 3.055	\$ 21,739
Dec-20	12/6/2020	5,951	8,437	14,388	5,951	-	5,951	\$ 3.055	\$ 18,180
Dec-20	12/7/2020	8,066	8,911	16,977	8,066	-	8,066	\$ 3.055	\$ 24,642
Dec-20	12/8/2020	8,480	9,370	17,850	8,480	-	8,480	\$ 2.985	\$ 25,313
Dec-20	12/9/2020	8,370	8,109	16,479	8,370	-	8,370	\$ 2.645	\$ 22,139
Dec-20	12/10/2020	8,039	8,137	16,176	8,039	-	8,039	\$ 2.695	\$ 21,665
Dec-20	12/11/2020	7,233	7,275	14,508	7,233	-	7,233	\$ 2.225	\$ 16,093
Dec-20	12/12/2020	6,580	6,332	12,912	6,580	-	6,580	\$ 2.705	\$ 17,799
Dec-20	12/13/2020	5,067	6,691	11,758	5,067	-	5,067	\$ 2.705	\$ 13,706
Dec-20	12/14/2020	8,057	8,229	16,286	8,057	-	8,057	\$ 2.705	\$ 21,794
Dec-20	12/15/2020	9,613	10,146	19,759	9,613	-	9,613	\$ 5.825	\$ 55,996
Dec-20	12/16/2020	9,237	9,185	18,422	9,237	-	9,237	\$ 7.530	\$ 69,555
Dec-20	12/17/2020	8,644	8,794	17,438	8,644	-	8,644	\$ 9.445	\$ 81,643
Dec-20	12/18/2020	8,393	8,763	17,156	8,393	-	8,393	\$ 11.920	\$ 100,045
Dec-20	12/19/2020	7,408	7,746	15,154	7,408	-	7,408	\$ 7.200	\$ 53,338
Dec-20	12/20/2020	7,735	7,676	15,411	7,735	-	7,735	\$ 7.200	\$ 55,692
Dec-20	12/21/2020	7,338	7,396	14,734	7,338	-	7,338	\$ 7.200	\$ 52,834
Dec-20	12/22/2020	7,272	6,990	14,262	7,272	-	7,272	\$ 4.105	\$ 29,852
Dec-20	12/23/2020	6,822	7,119	13,941	6,822	-	6,822	\$ 3.320	\$ 22,649
Dec-20	12/24/2020	3,918	4,510	8,428	3,918	-	3,918	\$ 2.495	\$ 9,775
Dec-20	12/25/2020	4,013	5,032	9,045	4,013	-	4,013	\$ 4.475	\$ 17,958
Dec-20	12/26/2020	5,798	7,330	13,128	5,798	-	5,798	\$ 4.475	\$ 25,946
Dec-20	12/27/2020	7,065	6,960	14,025	7,065	-	7,065	\$ 4.475	\$ 31,616
Dec-20	12/28/2020	7,385	6,500	13,885	7,385	-	7,385	\$ 4.475	\$ 33,048



## Load Shape Price Factor Worksheet

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		Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT City-Gate Price	AGT City-Gate Cost
Dec-20	12/29/2020	8,499	9,339	17,838	8,499	-	8,499	\$ 3.835	\$ 32,594
Dec-20	12/30/2020	6,752	7,317	14,069	6,752	-	6,752	\$ 3.265	\$ 22,045
Dec-20	12/31/2020	4,898	7,525	12,423	4,898	-	4,898	\$ 2.580	\$ 12,637
Jan-21	1/1/2021	4,433	7,143	11,576	4,433	-	4,433	\$ 2.410	\$ 10,684
Jan-21	1/2/2021	6,493	7,628	14,121	6,493	-	6,493	\$ 2.410	\$ 15,648
Jan-21	1/3/2021	6,968	7,850	14,818	6,968	-	6,968	\$ 2.410	\$ 16,793
Jan-21	1/4/2021	7,451	8,205	15,656	7,451	-	7,451	\$ 2.410	\$ 17,957
Jan-21	1/5/2021	7,833	8,386	16,219	7,833	-	7,833	\$ 3.295	\$ 25,810
Jan-21	1/6/2021	7,790	8,017	15,807	7,790	-	7,790	\$ 3.260	\$ 25,395
Jan-21	1/7/2021	7,892	8,367	16,259	7,892	-	7,892	\$ 2.990	\$ 23,597
Jan-21	1/8/2021	7,662	8,339	16,001	7,662	-	7,662	\$ 3.320	\$ 25,438
Jan-21	1/9/2021	6,854	7,555	14,409	6,854	-	6,854	\$ 3.860	\$ 26,456
Jan-21	1/10/2021	5,920	8,156	14,076	5,920	-	5,920	\$ 3.860	\$ 22,851
Jan-21	1/11/2021	8,023	8,429	16,452	8,023	-	8,023	\$ 3.860	\$ 30,969
Jan-21	1/12/2021	7,803	7,910	15,713	7,803	-	7,803	\$ 4.000	\$ 31,212
Jan-21	1/13/2021	7,521	7,689	15,210	7,521	-	7,521	\$ 4.385	\$ 32,980
Jan-21	1/14/2021	7,688	7,663	15,351	7,688	-	7,688	\$ 4.470	\$ 34,365
Jan-21	1/15/2021	7,307	6,839	14,146	7,307	-	7,307	\$ 3.020	\$ 22,067
Jan-21	1/16/2021	6,162	6,627	12,789	6,162	-	6,162	\$ 5.205	\$ 32,073
Jan-21	1/17/2021	4,892	6,958	11,850	4,892	-	4,892	\$ 5.205	\$ 25,463
Jan-21	1/18/2021	7,655	8,534	16,189	7,655	-	7,655	\$ 5.205	\$ 39,844
Jan-21	1/19/2021	8,011	8,381	16,392	8,011	-	8,011	\$ 5.205	\$ 41,697
Jan-21	1/20/2021	8,359	9,349	17,708	8,359	-	8,359	\$ 4.295	\$ 35,902
Jan-21	1/21/2021	8,075	8,874	16,949	8,075	-	8,075	\$ 3.040	\$ 24,548
Jan-21	1/22/2021	7,722	7,959	15,681	7,722	-	7,722	\$ 3.660	\$ 28,263
Jan-21	1/23/2021	7,985	10,489	18,474	7,985	-	7,985	\$ 5.475	\$ 43,718
Jan-21	1/24/2021	6,426	9,990	16,416	6,426	-	6,426	\$ 5.475	\$ 35,182
Jan-21	1/25/2021	8,865	9,599	18,464	8,865	-	8,865	\$ 5.475	\$ 48,536
Jan-21	1/26/2021	8,866	8,719	17,585	8,866	-	8,866	\$ 4.975	\$ 44,108

## Load Shape Price Factor Worksheet

Month	Date	Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment			2020-2021 Cost Analysis	
		Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT City-Gate Price	AGT City-Gate Cost
Jan-21	1/27/2021	8,151	8,214	16,365	8,151	-	8,151	\$ 4.770	\$ 38,880
Jan-21	1/28/2021	8,920	10,600	19,520	8,920	-	8,920	\$ 9.890	\$ 88,219
Jan-21	1/29/2021	9,125	11,601	20,726	9,125	-	9,125	\$ 11.595	\$ 105,804
Jan-21	1/30/2021	8,971	11,186	20,157	8,971	-	8,971	\$ 11.595	\$ 104,019
Jan-21	1/31/2021	7,100	10,356	17,456	7,100	-	7,100	\$ 11.595	\$ 82,325
Feb-21	2/1/2021	7,127	9,370	16,497	7,127	-	7,127	\$ 5.440	\$ 38,771
Feb-21	2/2/2021	7,175	8,657	15,832	7,175	-	7,175	\$ 8.110	\$ 58,189
Feb-21	2/3/2021	7,982	8,300	16,282	7,982	-	7,982	\$ 11.810	\$ 94,267
Feb-21	2/4/2021	8,149	8,909	17,058	8,149	-	8,149	\$ 10.835	\$ 88,294
Feb-21	2/5/2021	7,370	8,112	15,482	7,370	-	7,370	\$ 7.420	\$ 54,685
Feb-21	2/6/2021	7,437	8,283	15,720	7,437	-	7,437	\$ 11.465	\$ 85,265
Feb-21	2/7/2021	6,237	9,304	15,541	6,237	-	6,237	\$ 11.465	\$ 71,507
Feb-21	2/8/2021	8,807	10,463	19,270	8,807	-	8,807	\$ 11.465	\$ 100,972
Feb-21	2/9/2021	8,050	10,366	18,416	8,050	-	8,050	\$ 11.365	\$ 91,488
Feb-21	2/10/2021	8,615	10,055	18,670	8,615	-	8,615	\$ 10.465	\$ 90,156
Feb-21	2/11/2021	8,576	10,944	19,520	8,576	-	8,576	\$ 11.100	\$ 95,194
Feb-21	2/12/2021	7,683	10,167	17,850	7,683	-	7,683	\$ 12.310	\$ 94,578
Feb-21	2/13/2021	7,218	8,929	16,147	7,218	-	7,218	\$ 10.405	\$ 75,103
Feb-21	2/14/2021	5,802	8,571	14,373	5,802	-	5,802	\$ 10.405	\$ 60,370
Feb-21	2/15/2021	7,746	8,615	16,361	7,746	-	7,746	\$ 10.405	\$ 80,597
Feb-21	2/16/2021	8,502	8,976	17,478	8,502	-	8,502	\$ 10.405	\$ 88,463
Feb-21	2/17/2021	8,801	9,842	18,643	8,801	-	8,801	\$ 10.955	\$ 96,415
Feb-21	2/18/2021	8,591	9,328	17,919	8,591	-	8,591	\$ 10.600	\$ 91,065
Feb-21	2/19/2021	8,137	8,933	17,070	8,137	-	8,137	\$ 8.590	\$ 69,897
Feb-21	2/20/2021	7,695	9,051	16,746	7,695	-	7,695	\$ 6.725	\$ 51,749
Feb-21	2/21/2021	7,311	8,994	16,305	7,311	-	7,311	\$ 6.725	\$ 49,166
Feb-21	2/22/2021	7,646	8,259	15,905	7,646	-	7,646	\$ 6.725	\$ 51,419
Feb-21	2/23/2021	7,878	7,452	15,330	7,878	-	7,878	\$ 4.460	\$ 35,136
Feb-21	2/24/2021	6,880	6,751	13,631	6,880	-	6,880	\$ 3.180	\$ 21,878

## Load Shape Price Factor Worksheet

Month	Date	Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment			2020-2021 Cost Analysis	
		Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT City-Gate Price	AGT City-Gate Cost
Feb-21	2/25/2021	7,527	8,443	15,970	7,527	-	7,527	\$ 3.440	\$ 25,893
Feb-21	2/26/2021	7,524	7,810	15,334	7,524	-	7,524	\$ 2.655	\$ 19,976
Feb-21	2/27/2021	7,288	6,952	14,240	7,288	-	7,288	\$ 2.655	\$ 19,350
Feb-21	2/28/2021	6,104	6,711	12,815	6,104	-	6,104	\$ 2.655	\$ 16,206
Mar-21	3/1/2021	8,079	9,677	17,756	8,079	-	8,079	\$ 3.385	\$ 27,347
Mar-21	3/2/2021	8,796	10,247	19,043	8,796	-	8,796	\$ 6.470	\$ 56,910
Mar-21	3/3/2021	7,816	7,786	15,602	7,816	-	7,816	\$ 4.125	\$ 32,241
Mar-21	3/4/2021	8,360	9,744	18,104	8,360	-	8,360	\$ 8.235	\$ 68,845
Mar-21	3/5/2021	8,375	9,774	18,149	8,375	-	8,375	\$ 7.100	\$ 59,463
Mar-21	3/6/2021	7,996	8,849	16,845	7,996	-	7,996	\$ 5.355	\$ 42,819
Mar-21	3/7/2021	6,194	8,556	14,750	6,194	-	6,194	\$ 5.355	\$ 33,169
Mar-21	3/8/2021	8,003	8,062	16,065	8,003	-	8,003	\$ 5.355	\$ 42,856
Mar-21	3/9/2021	7,960	7,104	15,064	7,960	-	7,960	\$ 2.845	\$ 22,646
Mar-21	3/10/2021	7,491	6,984	14,475	7,491	-	7,491	\$ 2.740	\$ 20,525
Mar-21	3/11/2021	6,480	4,286	10,766	6,480	-	6,480	\$ 2.370	\$ 15,358
Mar-21	3/12/2021	6,533	5,868	12,401	6,533	-	6,533	\$ 2.310	\$ 15,091
Mar-21	3/13/2021	6,799	6,843	13,642	6,799	-	6,799	\$ 4.115	\$ 27,978
Mar-21	3/14/2021	7,184	9,346	16,530	7,184	-	7,184	\$ 4.115	\$ 29,562
Mar-21	3/15/2021	9,579	10,470	20,049	9,579	-	9,579	\$ 4.115	\$ 39,418
Mar-21	3/16/2021	8,684	8,172	16,856	8,684	-	8,684	\$ 4.515	\$ 39,208
Mar-21	3/17/2021	7,487	6,764	14,251	7,487	-	7,487	\$ 2.675	\$ 20,028
Mar-21	3/18/2021	7,432	7,003	14,435	7,432	-	7,432	\$ 2.760	\$ 20,512
Mar-21	3/19/2021	7,727	7,428	15,155	7,727	-	7,727	\$ 3.450	\$ 26,658
Mar-21	3/20/2021	7,107	5,773	12,880	7,107	-	7,107	\$ 2.205	\$ 15,671
Mar-21	3/21/2021	6,247	5,921	12,168	6,247	-	6,247	\$ 2.205	\$ 13,775
Mar-21	3/22/2021	7,056	6,419	13,475	7,056	-	7,056	\$ 2.205	\$ 15,558
Mar-21	3/23/2021	7,138	5,720	12,858	7,138	-	7,138	\$ 2.090	\$ 14,918
Mar-21	3/24/2021	6,554	5,333	11,887	6,554	-	6,554	\$ 2.140	\$ 14,026
Mar-21	3/25/2021	6,493	4,764	11,257	6,493	-	6,493	\$ 1.930	\$ 12,531

## Load Shape Price Factor Worksheet

Month	Date	Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment			2020-2021 Cost Analysis	
		Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT City-Gate Price	AGT City-Gate Cost
Mar-21	3/26/2021	6,198	3,976	10,174	6,198	-	6,198	\$ 1.835	\$ 11,373
Mar-21	3/27/2021	6,841	5,323	12,164	6,841	-	6,841	\$ 1.835	\$ 12,553
Mar-21	3/28/2021	5,780	5,948	11,728	5,780	-	5,780	\$ 1.835	\$ 10,606
Mar-21	3/29/2021	8,314	6,789	15,103	8,314	-	8,314	\$ 1.835	\$ 15,256
Mar-21	3/30/2021	7,551	5,889	13,440	7,551	-	7,551	\$ 1.940	\$ 14,649
Mar-21	3/31/2021	6,621	4,326	10,947	6,621	-	6,621	\$ 1.915	\$ 12,679
Apr-21	4/1/2021	7,906	7,027	14,933	7,906	-	7,906	\$ 2.535	\$ 20,042
Apr-21	4/2/2021	7,608	7,070	14,678	7,608	-	7,608	\$ 2.255	\$ 17,156
Apr-21	4/3/2021	6,982	6,066	13,048	6,982	-	6,982	\$ 2.255	\$ 15,744
Apr-21	4/4/2021	6,600	4,836	11,436	6,600	-	6,600	\$ 2.255	\$ 14,883
Apr-21	4/5/2021	7,170	6,015	13,185	7,170	-	7,170	\$ 2.255	\$ 16,168
Apr-21	4/6/2021	7,074	5,130	12,204	7,074	-	7,074	\$ 1.930	\$ 13,653
Apr-21	4/7/2021	6,780	4,551	11,331	6,780	-	6,780	\$ 2.000	\$ 13,560
Apr-21	4/8/2021	6,921	5,239	12,160	6,921	-	6,921	\$ 1.920	\$ 13,288
Apr-21	4/9/2021	6,754	4,501	11,255	6,754	-	6,754	\$ 1.795	\$ 12,123
Apr-21	4/10/2021	5,806	3,678	9,484	5,806	-	5,806	\$ 1.775	\$ 10,306
Apr-21	4/11/2021	7,038	5,408	12,446	7,038	-	7,038	\$ 1.775	\$ 12,492
Apr-21	4/12/2021	7,731	5,835	13,566	7,731	-	7,731	\$ 1.775	\$ 13,723
Apr-21	4/13/2021	7,458	4,824	12,282	7,458	-	7,458	\$ 1.940	\$ 14,469
Apr-21	4/14/2021	7,358	5,139	12,497	7,358	-	7,358	\$ 2.065	\$ 15,194
Apr-21	4/15/2021	7,168	5,815	12,983	7,168	-	7,168	\$ 2.355	\$ 16,881
Apr-21	4/16/2021	7,696	6,650	14,346	7,696	-	7,696	\$ 3.170	\$ 24,396
Apr-21	4/17/2021	6,818	5,338	12,156	6,818	-	6,818	\$ 2.865	\$ 19,534
Apr-21	4/18/2021	6,832	5,282	12,114	6,832	-	6,832	\$ 2.865	\$ 19,574
Apr-21	4/19/2021	7,530	4,850	12,380	7,530	-	7,530	\$ 2.865	\$ 21,573
Apr-21	4/20/2021	7,775	4,321	12,096	7,775	-	7,775	\$ 2.445	\$ 19,010
Apr-21	4/21/2021	7,506	6,009	13,515	7,506	-	7,506	\$ 2.605	\$ 19,553
Apr-21	4/22/2021	8,365	6,834	15,199	8,365	-	8,365	\$ 3.135	\$ 26,224
Apr-21	4/23/2021	6,142	4,519	10,661	6,142	-	6,142	\$ 2.465	\$ 15,140

## Load Shape Price Factor Worksheet

Month	Date	Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment			2020-2021 Cost Analysis	
		Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT City-Gate Price	AGT City-Gate Cost
Apr-21	4/24/2021	3,760	3,191	6,951	3,760	-	3,760	\$ 2.160	\$ 8,122
Apr-21	4/25/2021	5,260	5,107	10,367	5,260	-	5,260	\$ 2.160	\$ 11,362
Apr-21	4/26/2021	8,383	6,029	14,412	8,383	-	8,383	\$ 2.160	\$ 18,107
Apr-21	4/27/2021	7,309	4,561	11,870	7,309	-	7,309	\$ 2.600	\$ 19,003
Apr-21	4/28/2021	6,835	5,023	11,858	6,835	-	6,835	\$ 2.525	\$ 17,258
Apr-21	4/29/2021	6,866	5,165	12,031	6,866	-	6,866	\$ 2.465	\$ 16,925
Apr-21	4/30/2021	6,859	4,898	11,757	6,859	-	6,859	\$ 2.400	\$ 16,462
Winter Period		1,311,091	1,303,347	2,614,438	1,311,091	-	1,311,091	\$ 4.343	\$ 5,694,604
								Weighted Average Daily Price	\$ 4.343
								Straight Average Daily Price	\$ 4.154
								Load Shape Price Factor	1.046

Month	Projected Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment		
	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total
Nov-21	227,140	211,485	438,625	227,140	-	227,140
Dec-21	231,339	241,104	472,443	231,339	-	231,339
Jan-22	256,763	273,557	530,320	256,763	-	256,763
Feb-22	242,833	251,374	494,207	242,833	-	242,833
Mar-22	255,609	250,793	506,402	255,609	-	255,609
Apr-22	232,427	202,864	435,291	232,427	-	232,427
Winter	1,446,111	1,431,177	2,877,288	1,446,111	-	1,446,111