



Northern Natural Gas Company
P.O. Box 3330
Omaha, NE 68103-0330
402 398-7200

June 2, 2025

Via eFiling

Ms. Debbie-Anne Reese, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

Re: Northern Natural Gas Company
Docket No. RP01-382-____
Carlton Reimbursement Report

Dear Ms. Bose:

Pursuant to Part 8, Sections 29.3.C and 57.B.3 of the General Terms and Conditions of Northern Natural Gas Company's ("Northern") FERC Gas Tariff, Seventh Revised Volume No. 1 (the "Tariff"), Northern hereby submits for filing its annual report setting forth the Carlton Resolution buyout, surcharge and penalty dollars reimbursed to the Sourcers on their May reservation invoices for the 2024/2025 heating season.

Reason for Filing

Pursuant to its Tariff, Northern collects Carlton Resolution buyout, surcharge and penalty amounts as follows:

(1) Certain parties listed in Appendix B of the Carlton Settlement have the right to buyout of their sourcing obligation. The amount these parties pay is \$0.19 multiplied by their daily sourcing obligation, which is set forth in Part 8, Section 29.4 of Northern's Tariff, then multiplied by 151 days for the 2024/2025 heating season. All dollars collected from Appendix B Parties are credited on a pro rata basis to the Sourcers except for Appendix B Parties that have bought out of their Carlton Resolution Obligation;

(2) All Market Area deliveries during the heating season transported without an obligation to flow at Carlton and without a buyout are subject to a \$0.0175 per Dth Carlton Commodity Surcharge. The Carlton Commodity Surcharge dollars are also credited on a pro rata basis to Sourcers based on the Carlton Resolution Obligation set forth in Part 8, Section 29.4 of Northern's Tariff. Northern has applied the full surcharge of \$0.0175 per Dth to such volumes; and

(3) Northern collects a non-performance penalty of \$25.00 per Dth per day when a Shipper fails to meet its Carlton sourcing obligation. Such penalty amounts are credited to Sourcers pursuant to Part 8, Section 57.B.3 of the Tariff.

Schedules

Northern submits herewith supporting Schedule Nos. 1 through 6, as follows:

- Schedule No. 1 sets forth the total amounts of buyout and surcharge dollars, including carrying charges, reimbursed to the appropriate parties. This schedule does not include the non-performance penalty which is set forth in Schedules 5 and 6.
- Schedule No. 2 sets forth the Appendix B Parties' buyout payments and carrying charge calculations.
- Schedule No. 3 sets forth the commodity surcharge dollars and carrying charge calculations.
- Schedule No. 4 sets forth the total volumes by type of transportation service (TF, TFX and TI) subject to the Carlton Commodity Surcharge. No volumes were exempt from the Carlton surcharge except as provided by the Carlton Resolution where there was a flow obligation or a buyout.
- Schedule No. 5 sets forth the non-performance penalty allocation, including carrying charges, reimbursed to the appropriate parties.
- Schedule No. 6 sets forth the non-performance penalties assessed during the heating season and carrying charge calculations.

Ms. Debbie-Anne Reese, Secretary

June 2, 2025

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Posting

Northern has served an electronic copy of this filing upon its customers and interested state regulatory commissions.

Communication

It is respectfully requested that all Commission orders and correspondence, as well as pleadings and correspondence from other persons concerning this filing, be served upon each of the following:

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Respectfully submitted,

/s/ Luis Valdivia

Luis Valdivia
Director, Regulatory Policy and Rates

NORTHERN NATURAL GAS COMPANY
CARLTON RESOLUTION REIMBURSEMENT - JUNE 2, 2025

Carlton Settlement Shipper	Appendix B					
	Allocated Flow	Market Area	"Sourcer"	Small	Commodity	Total Amount
	Obligation	Adjusted Peak Day Entitlement	New Carlton Resolution Obligation	Customer Buyout Allocation	Surcharge Allocation	Due Customer
	Dth 1/	Dth 2/	Dth 3/	\$ 4/	\$ 5/	\$ 6/
(a)	(b)	(c)	(d)	(e)	(f)	(g)
Archer Daniels Midland Company	550	7,000	554	\$137.74	\$8,197.72	8,335.46
Austin Utilities	950	12,100	958	\$238.19	\$14,159.69	14,397.88
Black Hills Service Company, LLC. 7/	14626	186589	14749	\$3,667.03	\$217,989.88	221,656.91
Black Hills Energy Services Company	11		11	2.74	168.63	171.37
Constellation Energy Generation, LLC	6		6	1.49	91.98	93.47
Symmetry Energy Solutions, LLC. (MN)	3		3	0.75	45.99	46.74
Woodriver Energy LLC	3		3	0.75	45.99	46.74
Cardinal FG Company	559	7,116	563	139.98	8,331.86	8,471.84
Cargill, Incorporated	972	12,375	979	243.41	14,487.60	14,731.01
Cascade Municipal Utilities	82	0	0	0.00	1,222.20	1,222.20
Cedar Falls Utilities	958	12,200	966	240.18	14,278.93	14,519.11
Centerpoint Energy Minnesota Gas	64,678	823,855	65,223	16,216.39	964,021.80	980,238.19
CF Industries Nitrogen, LLC	2,120	27,000	2,138	531.57	31,598.47	32,130.04
Circle Pines Utilities	210	2,675	212	52.71	3,130.04	3,182.75
City of Duluth, MN	2,506	31,925	2,526	628.04	37,351.78	37,979.82
City of Everly	20	250	20	4.97	298.10	303.07
City of Fairbank, IA	35	450	36	8.95	521.67	530.62
City of Fremont, NE	785	10,000	792	196.91	11,700.38	11,897.29
City of Gilmore, IA	22	0	0	0.00	327.91	327.91
City of Hartley, IA	82	0	0	0.00	1,222.21	1,222.21
City of Hawarden, IA	142	0	0	0.00	2,116.50	2,116.50
City of Ponca, NE	27	340	27	6.71	402.43	409.14
City of Remsen, IA	93	0	0	0.00	1,386.16	1,386.16
City of Rolfe, IA	35	0	0	0.00	521.67	521.67
City of Round Lake, MN	10	0	0	0.00	149.05	149.05
City of Sac City, IA	94	0	0	0.00	1,401.06	1,401.06
City of Sanborn, IA	75	0	0	0.00	1,117.87	1,117.87
City of Sioux Center	141	0	0	0.00	2,101.59	2,101.59
City of Tipton, IA	133	0	0	0.00	1,982.36	1,982.36
City of Two Harbors, MN	191	2,430	192	47.73	2,846.84	2,894.57
City of Virginia, MN	184	2,346	186	46.25	2,742.51	2,788.76
City of Waukee	55	0	0	0.00	819.77	819.77
City of West Bend, IA	71	0	0	0.00	1,058.25	1,058.25
City of Whittemore, IA	37	0	0	0.00	551.48	551.48
Community Utility Company	71	900	71	17.65	1,058.25	1,075.90
Coon Rapids Municipal Utilities	68	0	0	0.00	1,013.54	1,013.54
Emmetsburg Municipal Gas Works	198	0	0	0.00	2,951.18	2,951.18

NORTHERN NATURAL GAS COMPANY
CARLTON RESOLUTION REIMBURSEMENT - JUNE 2, 2025

Carlton Settlement Shipper	Appendix B					
	Allocated Flow	Market Area	"Sourcer"	Small	Commodity	Total Amount
	Obligation	Adjusted Peak Day Entitlement	New Carlton Resolution Obligation	Customer Buyout Allocation	Surcharge Allocation	Due Customer
	Dth 1/	Dth 2/	Dth 3/	\$ 4/	\$ 5/	\$ 6/
(a)	(b)	(c)	(d)	(e)	(f)	(g)
Flint Hills Resources, LP	2,748	35,000	2,771	688.95	40,958.78	41,647.73
Graettinger Municipal Gas	42	0	0	0.00	626.00	626.00
Great Plains Natural Gas Co.	1,709	21,764	1,723	428.38	25,472.55	25,900.93
Guthrie Center Municipal Utilities	110	0	0	0.00	1,639.54	1,639.54
Harlan Municipal Utilities	205	0	0	0.00	3,055.51	3,055.51
Hibbing Public Utilities Commission	241	3,068	243	60.42	3,592.09	3,652.51
Hutchinson Utility Commission	150	1,911	150	37.29	2,235.74	2,273.03
Interstate Power and Light Company	13,695	174,446	13,810	3,433.58	204,123.17	207,556.75
Jo-Carroll Energy, Inc. (NFP)	243	3,100	245	60.91	3,621.90	3,682.81
Lake Park Municipal Utilities	35	0	0	0.00	521.67	521.67
Madison Gas and Electric Company	4,413	56,219	4,450	1,106.41	65,775.50	66,881.91
Manilla Municipal Gas Dept	39	0	0	0.00	581.29	581.29
Manning Municipal Gas Dept	72	0	0	0.00	1,073.16	1,073.16
Metropolitan Utilities District	14,092	179,500	14,211	3,533.28	210,040.42	213,573.70
MidAmerican Energy Company	30,626	390,119	30,884	7,678.69	456,478.72	464,157.41
MidAmerican Energy Services, LLC	786	10,000	792	196.92	11,715.28	11,912.20
Midwest Natural Gas, Inc.	1,086	13,839	1,095	272.25	16,186.77	16,459.02
Minnesota Energy Resources Corporation	12,852	163,705	12,960	3,222.25	191,558.30	194,780.55
Minnesota Mining & Manufacturing Co	31	400	32	7.96	462.05	470.01
National Public Gas Agency	70	900	70	17.40	1,043.35	1,060.75
New Ulm Public Utilities Commission	50	637	50	12.43	745.25	757.68
Nicor Gas Company	14,607	186,058	14,731	3,662.57	217,716.46	221,379.03
Northern States Power Company - MN	28,398	361,740	28,637	7,120.01	423,270.49	430,390.50
Northern States Power Company - WI	4,944	62,970	4,986	1,239.67	73,690.03	74,929.70
Northwest Natural Gas LLC	210	2,675	212	52.71	3,130.04	3,182.75
Northwestern Energy Public Service Corporation	3,869	49,283	3,902	970.15	57,667.21	58,637.36
Osage Municipal Utilities	118	1,500	119	29.59	1,758.78	1,788.37
Owatonna Public Utilities	785	10,001	792	196.91	11,700.38	11,897.29
Preston Municipal Natural Gas Department	45	0	0	0.00	670.72	670.72
Rock Energy Cooperative	195	2,480	196	48.73	2,906.46	2,955.19
Rock Rapids Municipal Utilities	71	0	0	0.00	1,058.25	1,058.25
Semco Energy, Inc d/b/a Semco Energy Gas	3,605	45,917	3,635	903.77	53,732.31	54,636.08
Sheehan's Gas Company	124	1,584	125	31.08	1,848.21	1,879.29
St Croix Valley Natural Gas	537	6,839	541	134.51	8,003.95	8,138.46
Superior Water Light & Power	1,006	12,813	1,014	252.11	14,994.36	15,246.47
Town of Brooklyn	39	0	0	0.00	581.29	581.29
Town of Sabula	29	0	0	0.00	432.24	432.24

**NORTHERN NATURAL GAS COMPANY
CARLTON RESOLUTION REIMBURSEMENT - JUNE 2, 2025**

Carlton Settlement Shipper	Allocated Flow	Market Area	"Sourcer"	Appendix B	Commodity	Total Amount
	Obligation	Adjusted Peak Day Entitlement	New Carlton Resolution Obligation	Small Customer Buyout Allocation	Surcharge Allocation	Due Customer
	Dth 1/	Dth 2/	Dth 3/	\$ 4/	\$ 5/	\$ 6/
(a)	(b)	(c)	(d)	(e)	(f)	(g)
Viroqua Gas Company a division of Madison Gas and Electric Company	188	2,389	189	46.99	2,802.13	2,849.12
Wisconsin Gas LLC	8,561	109,050	8,633	2,146.42	127,601.20	129,747.62
Wisconsin Power and Light Company	5,305	67,576	5,351	1,330.42	79,070.71	80,401.13
Woodbine Municipal Natural Gas Systems	65	0	0	0.00	968.82	968.82
World Fuel Services, Inc.	208	2,650	210	52.21	3,100.23	3,152.44
TOTALS	247,007	3,119,684	246,974	61,405.11	3,681,624.65	3,743,029.76

Adjustments for entitlement reduced below original obligation:

Watertown Municipal Utilities	471
New Ulm Public Utilities Commission	382
Armour Swift-Eckrich, Inc.	15
Heartland Corn Products	20
Wisconsin Electric Power Company	873
Hutchinson Utility Commission	1,204
Westbrook Light & Power	28
Total reductions	2,993
Total Flow Obligation	250,000

Footnotes:

- 1/ Flow Obligation as shown on Seventh Revised Volume No. 1 Tariff, Part 8, Section 29.4. Used to allocate Commodity \$ in column (f).
Any shipper whose current MDQ is lower than its obligation received a share of Commodity dollars based on its MDQ.
- 2/ Entitlement subject to Flow Obligation after Small Customer Buyout, as shown on Tariff Part 8, Section 29.5.
- 3/ Flow Obligation after Small Customer Buyout. Tariff Part 8, Section 29.5. Used to allocate Appendix B dollars in column (e).
- 4/ Appendix B Customers (Tariff Part 8, Section 29.3) Buyout (0 Dth x \$0.19 x 151 days) plus carrying charges through June 1.
Schedule No. 2 Amount * (d) / Total (d).
- 5/ Carlton Commodity Surcharge plus carrying charges through June 1. Schedule No. 3 Amount * (b) / Total (b).
- 6/ Total may not sum exactly due to rounding.
- 7/ Black Hills Service Company, LLC released some capacity with its 2024/2025 Carlton Obligation.
The acquiring shippers receive a share of the Black Hills Service Company, LLC allocation based on their posted obligations.

**NORTHERN NATURAL GAS COMPANY
CARLTON RESOLUTION REIMBURSEMENT - JUNE 2, 2025
APPENDIX B (SMALL CUSTOMER) BUYOUT WITH INTEREST CALCULATION
2024/2025 HEATING SEASON**

Billing Month	Small Customer Buyout MDQ in Dth	Buyout Amount Billed	FERC Interest Rate	Days for first invoice month	Days - full month	Partial Month Interest Rate	Full Month Interest Rate	Interest for first month billed	Interest on full month	Total Interest	End of Month Cumulative Balance	
(a)	(b)	1/ (c)	(d)	2/ (e)	(f)	3/ (g)	4/ (h)	5/ (i)	6/ (j)	7/ (k)	8/ (l)	
November 2024	2,090	\$11,913.00	8.50%									
December 2024	2,090	\$12,310.10	8.50%	20	31	0.00465753	0.00721918	\$55.49	\$0.00	\$55.49	\$11,968.49	9/
January 2025	2,090	\$12,310.10	8.04%	19	31	0.00418521	0.00682849	\$51.52	\$81.73	\$133.25	\$24,278.59	
February 2025	2,090	\$11,118.80	8.04%	16	28	0.00352438	0.00616767	\$43.39	\$149.74	\$193.13	\$36,588.69	
March 2025	2,090	\$12,310.10	8.04%	19	31	0.00418521	0.00682849	\$46.53	\$249.85	\$296.38	\$48,330.24	9/
April 2025			7.55%	20	30	0.00413699	0.00620548	\$50.93	\$299.91	\$350.84	\$60,640.34	
May 2025			7.55%		31	0.00000000	0.00641233	\$0.00	\$388.85	\$388.85	\$60,640.34	
June 2025			7.55%		2	0.00000000	0.00041370	\$0.00	\$25.09	\$25.09	\$61,405.11	9/10/
Totals		\$59,962.10								\$1,443.01	\$61,405.11	

1/ Per the Tariff, Small Customers electing the buyout option pay \$0.19 times flow obligation volume times 151 days.

2/ Interest for the first month in which principal was invoiced is calculated from invoice due date through the end of the month.

3/ Partial Month Interest is the FERC Interest Rate divided by 365 days times the number of days in column (e).

4/ Full Month Interest is the FERC Interest Rate divided by 365 days times the number of days in the month as shown in column (f).

5/ Interest for first month (i) is buyout amount billed in column (c) from previous month times Partial Month Interest (g).

6/ Interest on full month (j) is the Cumulative Balance from previous month (l) times Full Month Interest (h).

7/ Total interest in column (k) is the sum of columns (i) and (j).

8/ Cumulative Balance in column (l) shows the principal amount on which a full month's worth of interest will be calculated in the next month.

Column (l) is the Buyout Amount (c) plus the Cumulative Balance (l) from the previous month plus all interest (k) from previous quarters.

9/ Add interest for the quarter to principal for future interest calculations.

10/ Interest for June is calculated through the date invoices with the credits are posted.

**NORTHERN NATURAL GAS COMPANY
CARLTON RESOLUTION REIMBURSEMENT - JUNE 2, 2025
COMMODITY CHARGE WITH INTEREST CALCULATION
2024/2025 HEATING SEASON**

Billing Month	Commodity Surcharge Amount	FERC Interest Rate	Days for first invoice month	Days - full month	Partial Month Interest Rate	Full Month Interest Rate	Interest for first month billed	Interest on full month	Total interest	End of Month Cumulative Balance
(a)	1/ (b)	(c)	2/ (d)	(e)	3/ (f)	4/ (g)	5/ (h)	6/ (i)	7/ (j)	8/ (k)
November 2024	\$715,786.19	8.50%								
December 2024	\$799,919.58	8.50%	9	31	0.00209589	0.00721918	\$1,500.21	\$0.00	\$1,500.21	\$717,286.40 9/
January 2025	\$775,541.81	8.04%	8	31	0.00176219	0.00682849	\$1,409.61	\$4,897.99	\$6,307.60	\$1,517,205.98
February 2025	\$684,507.43	8.04%	5	28	0.00110137	0.00616767	\$854.16	\$9,357.63	\$10,211.79	\$2,292,747.79
March 2025	\$625,741.17	8.04%	8	31	0.00176219	0.00682849	\$1,206.23	\$15,656.01	\$16,862.25	\$3,010,636.85 9/
April 2025	\$446.78	7.55%	10	30	0.00206849	0.00620548	\$1,294.34	\$18,682.45	\$19,976.79	\$3,636,378.02
May 2025		7.55%	9	31	0.00186164	0.00641233	\$0.83	\$23,317.68	\$23,318.51	\$3,636,824.80
June 2025		7.55%		2		0.00041370	\$0.00	\$1,504.55	\$1,504.55	\$3,681,624.65 9/10/
Totals	\$3,601,942.96								\$79,681.69	\$3,681,624.65

1/ Surcharge before discounting. It is based on the volume from Schedule 4, column (c) times \$0.0175 per Dth.

Difference is due to rounding on individual invoices.

2/ Interest for the first month in which principal was invoiced is calculated from invoice due date through the end of the month.

3/ Partial Month Interest is the FERC Interest Rate divided by 365 days times the number of days in column (d).

4/ Full Month Interest is the FERC Interest Rate divided by 365 days times the number of days in the month as shown in column (e).

5/ Interest for first month (h) is the amount billed in column (b) from previous month times Partial Month Interest (f).

6/ Interest on full month (i) is the Cumulative Balance from previous month (k) times Full Month Interest (g).

7/ Total interest in column (j) is the sum of columns (h) and (i).

8/ Cumulative Balance in column (k) shows the principal amount on which a full month's worth of interest will be calculated in the next month.

Column (k) is the commodity surcharge amount (b) plus the Cumulative Balance (k) from the previous month plus all interest (j) from previous quarters.

9/ Add interest for the quarter to principal for future interest calculations.

**NORTHERN NATURAL GAS COMPANY
CARLTON RESOLUTION REIMBURSEMENT - JUNE 2, 2025
CARLTON VOLUMES SUBJECT TO COMMODITY SURCHARGE BY TYPE OF SERVICE
2024/2025 HEATING SEASON**

TYPE OF SERVICE	COMMODITY VOLUMES	COMMODITY OVERRUN VOLUMES	TOTAL
	Dth (a)	Dth (b)	Dth (c)
TF	25,530,814	2,292,521	27,823,335
TFX	170,933,701	6,126,141	177,059,842
TI	779,900		779,900
GS-T	0	0	0
TOTAL	<u>197,244,415</u>	<u>8,418,662</u>	<u>205,663,077</u>

**NORTHERN NATURAL GAS COMPANY
CARLTON RESOLUTION REIMBURSEMENT - JUNE 2, 2025
CARLTON NON-PERFORMANCE PENALTY CREDIT
2024/2025 HEATING SEASON**

Carlton Settlement Shipper	Allocated	Percent of	Allocation	Carlton Penalty
	Flow Obligation		Factor adjusted for penalty paid	
(a)	Dth 1/ (b)	(c) = (b)/Sum(b)	2/ (d)	(e) = dollars * d/Sum(d)
Archer Daniels Midland Company	550	0.002227	0.002227	\$ 10.86
Austin Utilities	950	0.003846	0.003846	\$ 18.76
Black Hills Service Company, LLC.	14,626	0.059213	0.059213	\$ 288.88
Black Hills Energy Services Company	11	0.000045	0.000045	\$ 0.22
Constellation Energy Generation, LLC	6	0.000024	0.000024	\$ 0.12
Symmetry Energy Solutions, LLC. (MN)	3	0.000012	0.000012	\$ 0.06
Woodriver Energy LLC	3	0.000012	0.000012	\$ 0.06
Cardinal FG Company	559	0.002263	0.002263	\$ 11.04
Cargill, Incorporated	972	0.003935	0.003935	\$ 19.20
Cascade Municipal Utilities	82	0.000332	0.000332	\$ 1.62
Cedar Falls Utilities	958	0.003878	0.003878	\$ 18.92
Centerpoint Energy Minnesota Gas	64,678	0.261847	0.261847	\$ 1,277.50
CF Industries Nitrogen, LLC	2,120	0.008583	0.008583	\$ 41.87
Circle Pines Utilities	210	0.000850	0.000850	\$ 4.15
City of Duluth, MN	2,506	0.010145	0.010145	\$ 49.49
City of Everly	20	0.000081	0.000081	\$ 0.40
City of Fairbank, IA	35	0.000142	0.000142	\$ 0.69
City of Fremont, NE	785	0.003178	0.003178	\$ 15.50
City of Gilmore, IA	22	0.000089	0.000089	\$ 0.43
City of Hartley, IA	82	0.000332	0.000332	\$ 1.62
City of Hawarden, IA	142	0.000575	0.000575	\$ 2.81
City of Ponca, NE	27	0.000109	0.000109	\$ 0.53
City of Remsen, IA	93	0.000377	0.000377	\$ 1.84
City of Rolfe, IA	35	0.000142	0.000142	\$ 0.69
City of Round Lake, MN	10	0.000040	0.000040	\$ 0.20
City of Sac City, IA	94	0.000381	0.000381	\$ 1.86
City of Sanborn, IA	75	0.000304	0.000304	\$ 1.48
City of Sioux Center	141	0.000571	0.000571	\$ 2.79
City of Tipton, IA	133	0.000538	0.000538	\$ 2.62
City of Two Harbors, MN	191	0.000773	0.000773	\$ 3.77
City of Virginia, MN	184	0.000745	0.000745	\$ 3.63
City of Waukeg	55	0.000223	0.000223	\$ 1.09
City of West Bend, IA	71	0.000287	0.000287	\$ 1.40
City of Whittemore, IA	37	0.000150	0.000150	\$ 0.73
Community Utility Company	71	0.000287	0.000287	\$ 1.40
Coon Rapids Municipal Utilities	68	0.000275	0.000275	\$ 1.34
Emmetsburg Municipal Gas Works	198	0.000802	0.000802	\$ 3.91
Flint Hills Resources, LP	2,748	0.011125	0.011125	\$ 54.28
Graettinger Municipal Gas	42	0.000170	0.000170	\$ 0.83
Great Plains Natural Gas Co.	1,709	0.006919	0.006919	\$ 33.76
Guthrie Center Municipal Utilities	110	0.000445	0.000445	\$ 2.17
Harlan Municipal Utilities	205	0.000830	0.000830	\$ 4.05
Hibbing Public Utilities Commission	241	0.000976	0.000976	\$ 4.76
Hutchinson Utility Commission	150	0.000607	0.000251	\$ 1.22
Interstate Power and Light Company	13,695	0.055444	0.055444	\$ 270.49
Jo-Carroll Energy, Inc. (NFP)	243	0.000984	0.000984	\$ 4.80
Lake Park Municipal Utilities	35	0.000142	0.000142	\$ 0.69
Madison Gas and Electric Company	4,413	0.017866	0.017866	\$ 87.16
Manilla Municipal Gas Dept	39	0.000158	0.000158	\$ 0.77
Manning Municipal Gas Dept	72	0.000291	0.000291	\$ 1.42
Metropolitan Utilities District	14,092	0.057051	0.057051	\$ 278.33
MidAmerican Energy Company	30,626	0.123988	0.123988	\$ 604.92
MidAmerican Energy Services, LLC	786	0.003182	0.001866	\$ 9.10
Midwest Natural Gas, Inc.	1086	0.004397	0.004397	\$ 21.45
Minnesota Energy Resources Corporation	12,852	0.052031	0.052031	\$ 253.84

**NORTHERN NATURAL GAS COMPANY
CARLTON RESOLUTION REIMBURSEMENT - JUNE 2, 2025
CARLTON NON-PERFORMANCE PENALTY CREDIT
2024/2025 HEATING SEASON**

Carlton Settlement Shipper	Allocated Flow Obligation	Percent of Obligation	Allocation Factor adjusted for penalty paid	Carlton Penalty Credit ('CRP')
(a)	Dth 1/ (b)	(c) = (b)/Sum(b)	2/ (d)	(e) = dollars * d/Sum(d)
Minnesota Mining & Manufacturing Co	31	0.000126	0.000126	\$ 0.61
National Public Gas Agency	70	0.000283	0.000283	\$ 1.38
New Ulm Public Utilities Commission	50	0.000202	0.000202	\$ 0.99
Nicor Gas Company	14,607	0.059136	0.059136	\$ 288.51
Northern States Power Company - MN	28,398	0.114968	0.114968	\$ 560.89
Northern States Power Company - WI	4,944	0.020016	0.020016	\$ 97.65
Northwest Natural Gas LLC	210	0.000850	0.000850	\$ 4.15
Northwestern Energy Public Service Corporation	3,869	0.015664	0.015664	\$ 76.42
Osage Municipal Utilities	118	0.000478	0.000478	\$ 2.33
Owatonna Public Utilities	785	0.003178	0.003178	\$ 15.50
Preston Municipal Natural Gas Department	45	0.000182	0.000182	\$ 0.89
Rock Energy Cooperative	195	0.000789	0.000789	\$ 3.85
Rock Rapids Municipal Utilities	71	0.000287	0.000287	\$ 1.40
Semco Energy, Inc d/b/a Semco Energy Gas	3,605	0.014595	0.014595	\$ 71.20
Sheehan's Gas Company	124	0.000502	0.000502	\$ 2.45
St Croix Valley Natural Gas	537	0.002174	0.002174	\$ 10.61
Superior Water Light & Power	1,006	0.004073	0.004073	\$ 19.87
Town of Brooklyn	39	0.000158	0.000158	\$ 0.77
Town of Sabula	29	0.000117	0.000117	\$ 0.57
Viroqua Gas Company a division of Madison Gas and Electric Company	188	0.000761	0.000761	\$ 3.71
Wisconsin Gas LLC	8,561	0.034659	0.034659	\$ 169.09
Wisconsin Power and Light Company	5,305	0.021477	0.021477	\$ 104.78
Woodbine Municipal Natural Gas Systems	65	0.000263	0.000263	\$ 1.28
World Fuel Services, Inc.	208	0.000842	0.000842	\$ 4.11
TOTALS	247,007	1.00000000	0.998327	\$ 4,870.53

1/ Flow Obligation as shown on Seventh Revised Volume No. 1 Tariff, Part 8, Section 29.4.

2/ Final allocation factor (d) is each shipper's Flow Obligation (b) as percent of Total (247,007 Dth),
multiplied by a factor equal to 1 minus the percent of the total Carlton penalty paid by the shipper.

3/ Shipper(s) incurring penalty	Penalties	% of penalty	(d) = (100% - % penalty)
MidAmerican Energy Services, LLC	\$ 2,800.00	58.64%	41.36%
Symmetry - AMA for Hutchinson	\$ 1,975.00	41.36%	58.64%
Total Carlton Non-Performance Penalties	\$ 4,775.00	100%	

**NORTHERN NATURAL GAS COMPANY
CARLTON RESOLUTION REIMBURSEMENT - JUNE 2, 2025
NON-PERFORMANCE PENALTY CREDIT WITH INTEREST CALCULATION
2024/2025 HEATING SEASON**

Billing Month	Penalty Amount	FERC Interest rate	Days for first invoice month	Days - full month	Partial month interest	Full month interest	Interest for first month billed	Interest on full month	Total interest	End of Month Cumulative Balance
(a)	(b)	(c)	1/ (d)	(e)	2/ (f)	3/ (g)	4/ (h)	5/ (i)	6/ (j)	7/ (k)
November 2024	\$0	8.50%								
December 2024	\$150	8.50%	9	31	0.00209589	0.00721918	\$0.00	\$0.00	\$0.00	\$0.00 8/
January 2025	\$3,650	8.04%	8	31	0.00176219	0.00682849	\$0.26	\$0.00	\$0.26	\$150.00
February 2025	\$975	8.04%	5	28	0.00110137	0.00616767	\$4.02	\$0.93	\$4.95	\$3,800.00
March 2025		8.04%	8	31	0.00176219	0.00682849	\$1.72	\$25.95	\$27.67	\$4,807.88 8/
April 2025		7.55%	10	30	0.00206849	0.00620548	\$0.00	\$29.84	\$29.84	\$4,807.88
May 2025		7.55%	9	31	0.00186164	0.00641233	\$0.00	\$30.83	\$30.83	\$4,807.88
June 2025		7.55%		2		0.00041370	\$0.00	\$1.99	\$1.99	\$4,870.53 8/9/
Totals	\$4,775.00								\$95.53	\$4,870.53

1/ Interest for the first month in which principal was invoiced is calculated from invoice due date through the end of the month.

2/ Partial Month Interest is the FERC Interest divided by 365 days times the number of days in column (d).

3/ Full Month Interest is the FERC Interest divided by 365 days times the number of days in the month as shown in column (e).

4/ Interest for first month (h) is the buyout amount billed in column (b) from previous month times Partial Month Interest (f).

5/ Interest on full month (i) is the Cumulative Balance from previous month (k) times Full Month Interest (g).

6/ Total interest in column (j) is the sum of columns (h) and (i).

7/ Cumulative Balance in column (k) shows the principal amount on which a full month's worth of interest will be calculated in the next month.

Column (k) is the Penalty amount (b) plus the Cumulative Balance (k) from the previous month plus all interest (j) from previous quarters.

8/ Add interest for the quarter to principal for future interest calculations.

9/ Interest for June is calculated through the date invoices with the credits are posted.