



2025 Winter Forum Training Presentation

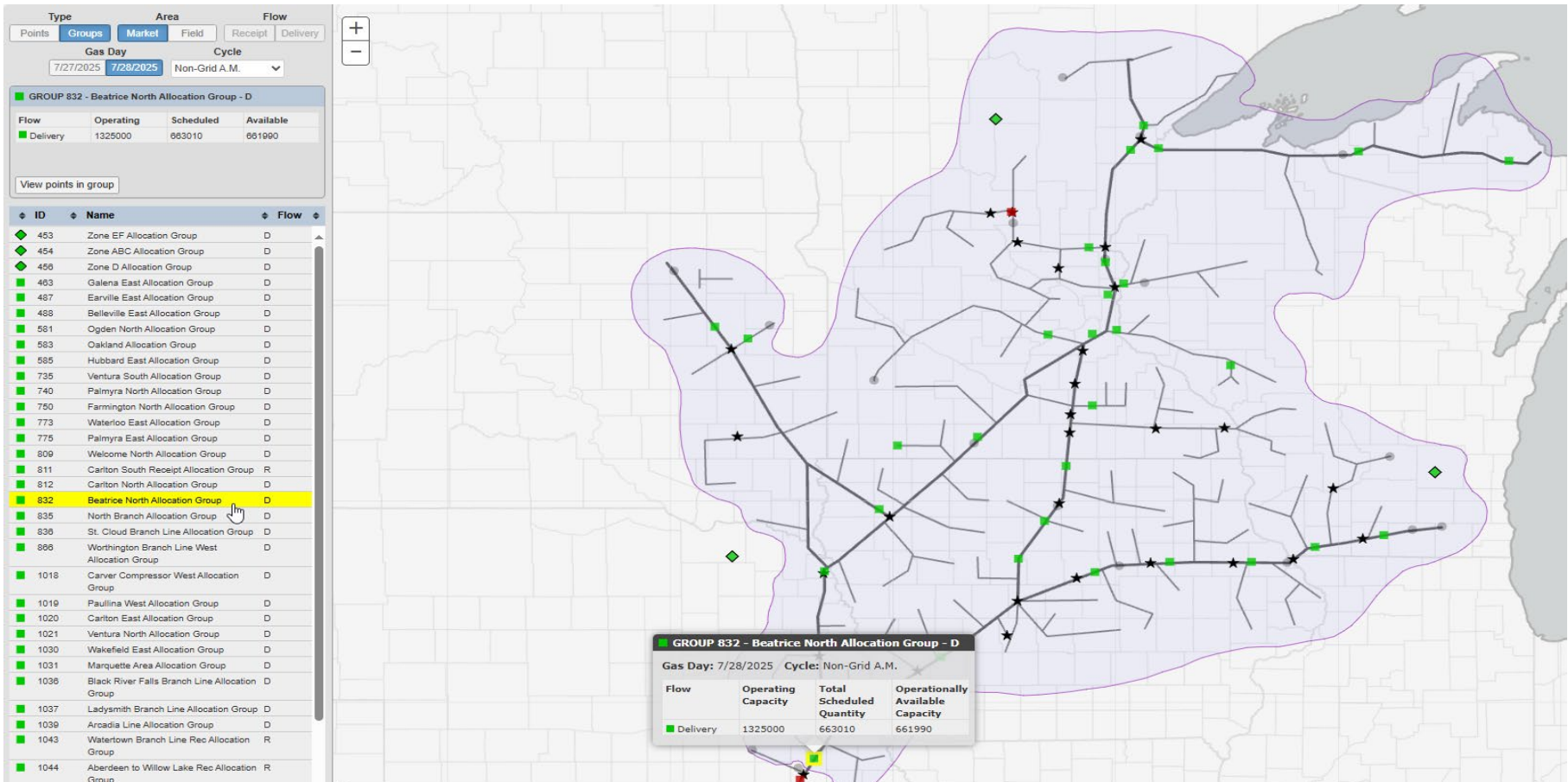
September 18, 2025

Operationally Available Capacity Map

Informational Postings → Capacity → Operationally Available Capacity Map

Data as of: Jul 28 2025 12:51 PM

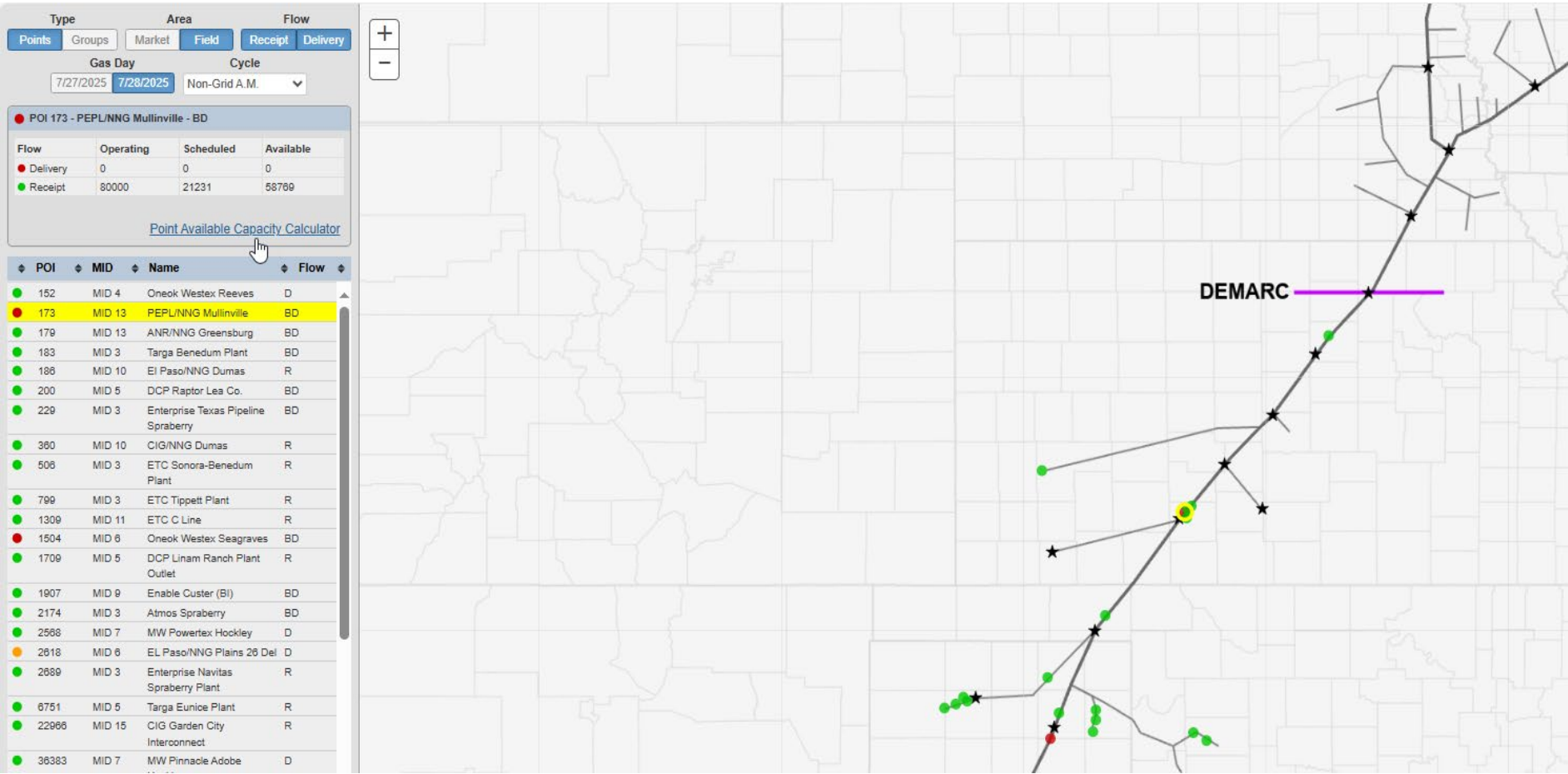
Loc	Loc Zn	Loc Name	Flow Ind	Loc/QTI	Loc Purp Desc	All Qty Avail	Design Capacity	Operating Capacity	Total Scheduled Quantity	Operationally Available Capacity
Group Locations										
832		BEATRICE NORTH ALLOCATION GROUP	D	DPQ	Delivery Location	Y	2000000	1325000	663010	661990



Operationally Available Capacity Map



- Quick link to the Point Available Capacity Calculator



Point Available Capacity Calculator

Support → Training Materials → Point Available Capacity Calculator

- The Point Available Capacity Calculator allows customers to analyze remaining point capacity based on posted operational capacity and scheduled quantities from previous nomination cycles
- [Point Available Capacity Calculator Video Tutorial](#)

Loc	Loc Zn	Loc Name	Flow Ind	Loc/QTI	Loc Purp Desc	All Qty Avail	Design Capacity	Operating Capacity	Total Scheduled Quantity	Operationally Available Capacity
		Point Locations								
1318	MID 17	TBPL/NNG BEATRICE	R	RPQ	Receipt Location	Y	450000	450000	430312	19688

Point Available Capacity Calculator

	Scheduled Volume	Operational Capacity	
Non-Grid	433,637		Information for required fields can be found on Northern's website: Operationally Available Capacity
ID1	430,312	450,000	
ID2		450,000	
ID3		450,000	
Required fields			Point Available Capacity Calculator Video Tutorial
Leave Scheduled Volume Blank if Not Scheduled			

	ID1	ID2	ID3
Base Operational Calculations			
Point Operational Capacity	450,000	450,000	450,000
Completed Hours of Flow Prior to Cycle	5	9	13
Remaining Hours of Flow	19	15	11
Maximum Flow Prior to Cycle	93,750	168,750	243,750
Scheduled Volume Calculations			
Prior Cycle Scheduled Volume	433,637	430,312	0
Prior Cycle Completed Flow	90,341	161,914	118,737
Maximum Remaining Flow Capability	356,250	281,250	206,250
Maximum Capacity to Schedule for Cycle	446,591	443,164	324,987
Maximum Incremental Available for Cycle	12,954	12,852	324,987
Scheduled Volume	430,312		
Remaining Unscheduled	16,279		
Scheduled Spot Rate for Cycle	429,437		

Note: The calculator assumes that physical flows from prior cycles have successfully occurred. If a point is posted for underperformance, the actual prior cycle completed flow may impact the total capacity Northern may schedule for the remaining cycles.

Daily Delivery Variance Charges (DDVCs)



- Customers are required to take actual daily volumes at their delivery point(s) as close to daily scheduled volumes as possible. If actual daily volumes vary from daily scheduled volumes, customers are subject to Daily Delivery Variance Charges (DDVCs), after a tolerance has been considered.
- There are five (5) types of DDVCs: Positive DDVC, Positive/Critical Day DDVC, Negative DDVC, Punitive DDVC and Punitive/Critical Day DDVC.
- DDVC calculator and training materials are found on the Northern website under **Support > Training Materials**. <https://www.northernnaturalgas.com/support/Pages/TrainingMaterials.aspx>

DDVC and SMS Information

- [DDVC Calculator and Input Guide](#)

The DDVC calculator provides customers an opportunity to create an example of how to determine a delivery point variance between scheduled and actual flow. The secondary tab identifies the supporting documents.

- [SMS Service Details](#)

- [SMS-DDVC Graph During SOL and Critical Days \(Other Than Small Customers\)](#)

This graph provides examples of Daily Delivery Variance Charges (DDVCs) for Other Than Small Customers during a System Overrun Limitations (SOL) Day or Critical Day as defined in Northern's tariff sheet No. 291

- [SMS-DDVC Graph During SOL and Critical Days \(Small Customers\)](#)

This graph provides examples of Daily Delivery Variance Charges (DDVCs) for Small Customers during a System Overrun Limitations (SOL) Day or Critical Day as defined in Northern's tariff sheet No. 291

- [SMS-DDVC Graph During Standard and SUL Days \(Small Customers\)](#)

This graph provides examples of Daily Delivery Variance Charges (DDVCs) for Small Customers during a System Underrun Limitations (SUL) or Standard Day as defined in Northern's tariff sheet No. 291


- [SMS-DDVC Graph During Standard or SUL Days \(Other Than Small Customers\)](#)

This graph provides examples of Daily Delivery Variance Charges (DDVCs) for Other Than Small Customers during a System Underrun Limitations (SUL) or Standard Day as defined in Northern's tariff sheet No. 291

DDVC Supporting Reports



- Reports are in the Flowing Gas application under Supporting Details and Calculations
 - The Non-Critical SMS/Delivery Point Variance Report and Critical SMS/Delivery Point Variance Report provides the data for the gas day that impacts daily delivery variance charges depending on the SOL/SUL/Critical Day and SMS percentage that is called



Final

Non Critical SMS/Delivery Point Variance Report

Preparer ID: 784158214							Contact Name: Brough Pickrell		Recipient: 808703524		Statement Date/Time: March 10, 2022 03:44 PM						
Preparer Name: NORTHERN NATURAL GAS COMPANY							Contact Phone: (402) 398-7432		Recipient Name: ABC Company								
Svc Req Name: ABC Company							Svc Req Prop (LE): 123456		Svc Req: 011111111111		Accounting Period: FEBRUARY 2022						
OIA: Market							Loc: 3124		Restricted Small Customer: No		Small Customer: No						
Charge/Allowance Period: February 2022									Loc Name: ZONE D-ABC								

Beg/ End Flow	Sol / Sul	SMS %	CUR	CUR %	BL/ Poi	Del Loc	Svc Req K	-----Scheduled-----		---Contract Quantities---		Tolerance Calc Qty	% SCHED Tol	SCHED Tolerance	SMS Used	Negative DDVC	Positive DDVC	Punitive DDVC	
								Primary Qty	Interruptible Qty	Allocated Qty	Point MDQ								Point SMS
02/02	SOL	50	NO	100	NO	3124	136868	0	0	0	3,500	0	0						
	SOL	50	NO	100	NO	3124	136869	0	0	0	350	0	0						
	SOL	50	NO	100	NO	3124	136870	0	0	0	265	0	0						
	SOL	50	NO	100	NO	62834	136868	3,500	0	3,500	0	200	0						
	SOL	50	NO	100	NO	62834	136869	350	0	350	0	0	0						
	SOL	50	NO	100	NO	62834	136870	265	0	265	0	0	0						
	SOL	50	NO	100	NO	62834	139265	768	0	887	0	0	119						
						Subtotal	4,883	0	5,002	4,115	200	119	4,883	4%	195	100	0	19	0

SMS/SOL and Critical Day DDVC Examples



Effective January 1, 2023

System Management Service Daily Delivery Variance Charges (DDVC) Examples for Other than Small Customers

SOL in Effect¹

Critical Day¹

	SMS Within Firm Entitlement	Firm Entitlement Scheduled	TI Scheduled or TF Overrun Scheduled w/o SMS Service		SMS Within Firm Entitlement	Firm Entitlement Scheduled	TI Scheduled or TF Overrun Scheduled w/o SMS Service
Actual Daily Quantity in Excess of Scheduled Quantity	<div> <div>Punitive DDVC Greater of 2x Index or \$21.275⁴</div> <div>Positive DDVC (5%)⁶ Greater of 1.25x Index or \$1.00</div> <div>FE</div> <div>Positive DDVC Greater of 1.25x Index or \$1.00</div> <div>SMS⁵ \$0.0208</div> <div>Tolerance³ (4%)</div> <div>SQ</div> <div>Tolerance³ (5%)</div> <div>SMS \$0.0208</div> <div>Negative DDVC \$0.00</div> </div>	<div> <div>Punitive DDVC Greater of 2x Index or \$21.275⁴</div> <div>Positive DDVC (5%)⁶ Greater of 1.25x Index or \$1.00</div> <div>FE = SQ</div> <div>Positive DDVC (5%)⁶ Greater of 1.25x Index or \$1.00</div> <div>Tolerance³ (5%)</div> <div>SMS \$0.0208</div> <div>Negative DDVC \$0.00</div> </div>	<div> <div>Punitive DDVC Greater of 2x Index or \$21.275⁴</div> <div>Positive DDVC (5%)⁶ Greater of 1.25x Index or \$1.00</div> <div>SQ</div> <div>Positive DDVC (5%)⁶ Greater of 1.25x Index or \$1.00</div> <div>Tolerance³ (5%)</div> <div>Negative DDVC \$0.00</div> </div>	Actual Daily Quantity in Excess of Scheduled Quantity	<div> <div>Punitive/Critical DDVC Level II Greater of 3x Index or \$113.00</div> <div>Punitive/Critical DDVC Level I (5%)⁷ Greater of 2x Index or \$56.50</div> <div>FE</div> <div>Positive/Critical DDVC (3%)⁸ Greater of 1.75x Index or \$22.00</div> <div>Positive/Critical DDVC (2%)⁸ Greater of 1.5x Index or \$15.00</div> <div>SQ</div> <div>Positive DDVC Greater of 1.5x Index or \$15.00</div> <div>SMS \$0.0208</div> <div>Tolerance³ (3%)</div> <div>SMS \$0.0208</div> <div>Negative DDVC \$0.00</div> </div>	<div> <div>Punitive/Critical DDVC Level II Greater of 3x Index or \$113.00</div> <div>Punitive/Critical DDVC Level I (5%)⁷ Greater of 2x Index or \$56.50</div> <div>FE = SQ</div> <div>Positive/Critical DDVC (3%)⁸ Greater of 1.75x Index or \$22.00</div> <div>Positive/Critical DDVC (2%)⁸ Greater of 1.5x Index or \$15.00</div> <div>Tolerance³ (5%)</div> <div>SMS \$0.0208</div> <div>Negative DDVC \$0.00</div> </div>	<div> <div>Punitive/Critical DDVC Level II Greater of 3x Index or \$113.00</div> <div>Punitive/Critical DDVC Level I (5%)⁷ Greater of 2x Index or \$56.50</div> <div>SQ</div> <div>Positive/Critical DDVC (3%)⁸ Greater of 1.75x Index or \$22.00</div> <div>Positive/Critical DDVC (2%)⁸ Greater of 1.5x Index or \$15.00</div> <div>Tolerance³ (5%)</div> <div>Negative DDVC \$0.00</div> </div>
Actual Daily Quantity less than Scheduled Quantity				Actual Daily Quantity less than Scheduled Quantity			

FE=Firm Entitlement⁴ SQ=Scheduled Quantities TF=Firm Transport

FE=Firm Entitlement⁴ SQ=Scheduled Quantities TF=Firm Transport

Footnotes:

¹ Includes customers who do not qualify as Small Customers under Northern's tariff. Index is equal to the highest published Platts "Gas Daily" Midpoint price on the applicable day at any of the applicable index points of: Market Area - Northern, demarc and Northern, Ventura; or Field Area - Panhandle, Tx.-Okla. and El Paso, Permian.

² Cannot exceed firm entitlement; tolerance is 4% of scheduled quantity for SOL days and 3% for Critical Days.

³ Cannot exceed firm entitlement; tolerance is 5% of scheduled quantity

⁴ Firm entitlement (FE) is the sum of the legal entity's MDQ, alternate firm scheduled and overrun/interruptible scheduled. On a SOL day where primary scheduled is less than MDQ, FE is equal to MDQ.

⁵ SMS availability may be authorized above firm entitlement on SOL days. Such availability will be posted on Northern's website.

⁶ The volume to which Positive DDVC above Firm Entitlement (FE) applies is equal to 5% of FE for TF shippers if no TF overrun is scheduled and is equal to 5% of scheduled volume for TF shippers with TF overrun scheduled and for TI shippers.

⁷ The volume to which Punitive/Critical Level 1 applies is equal to the first 5% of all delivered volumes in excess of the Positive/Critical DDVC component.

⁸ Charge equal to five (5) times the SMS monthly reservation fee of \$4.235. Stipulation and Agreement of Settlement filed June 23, 2023.

DDVC Calculator



SMS/DDVC Penalty Calculator

INPUT DATA SECTION

Total Scheduled Volumes for		
Tolerance Calculations :	4,883	1=1A+1B
Legal Entity's Primary Firm Schd :	4,883	1A
Legal Entity's Alternate Firm Schd :	0	1A
Legal Entity's Overrun Schd :	0	1B
Legal Entity's Ittbl Schd :	0	1B
Legal Entity's MDQ :	4,115	2
Legal Entity's SMS :	200	3
Allocated Volume :	5,002	4
Critical Day (Y/N) :	N	5
SOL Day (Y/N) :	Y	6
Small Customer Point (Y/N) :	N	7
Restricted Small Customer (Y/N) :	N	8
SUL Day (Y/N) :	N	8
SMS Percent :	50%	9
Season (S/D/W) :	W	
Index Rate :	7.8500	

Penalty Volumes

	Rate	Dollars
Critical Day - Punitive DDVC Level II :	N/A	N/A
Critical Day - Punitive DDVC Level I :	N/A	N/A
Punitive DDVC :	None	N/A
Positive DDVC :	19	9.8125
Negative DDVC (Zero Rate) :	None	N/A
Total Penalty Volumes	19	Total \$ 186.44

Remaining Variance

Allocated =	5,002
Total Schd =	4,883
Variance =	119
4% Point Tolerance =	0
Postive SMS =	100
Remaining Variance	19

	Rate	Dollars
4% Point Tolerance =	0	
Postive SMS =	100	0.0208
Remaining Variance	19	2.08

Calculations

Entitled to Upper 4% Tolerance :	No
4% Upper Tolerance :	195
Entitled to Lower 5% Tolerance :	Yes
5% Lower Tolerance :	244
Legal Entity's Total Schd Vol :	4,883
* Firm Entitlement Line :	4,883
Upper 5% DDVC :	244

Upper DDVC	5,227
Upper Positive DDVC Level I	N/A
Upper SMS	4,983
Upper Free	4,883
Lower Free	4,639
Lower SMS	4,439

Calculator Data Example



Final

Non Critical SMS/Delivery Point Variance Report

Preparer ID: 784158214 Contact Name: Brough Pickrell Recipient: 806703524 Statement Date/Time: March 10, 2022 03:44 PM
 Preparer Name: NORTHERN NATURAL GAS COMPANY Contact Phone: (402) 398-7432 Recipient Name: ABC Company
 Svc Req Name: ABC Company Svc Req Prop (LE): 123456 Svc Req: 011111111111 Accounting Period: FEBRUARY 2022
 Restricted Small Customer: No 6 Small Customer: No 7
 OIA: Market Loc: 3124 Loc Name: ZONE D-ABC

Charge/Allowance Period: February 2022

Beg/ End Flow	Sol / Sul	SMS %	CUR %	BL/ Poi	Del Loc	Svc Req K	-----Scheduled-----			---Contract Quantities---			Tolerance Calc Qty	% SCHED Tol	SCHED Tolerance	SMS Used	Negative DDVC	Positive DDVC	Punitive DDVC	
							Primary Qty	Interruptible Qty	Allocated Qty	Point MDQ	Point SMS	Variance								
02/02	SOL	50	NO	100	NO	3124	136868	0	0	0	3,500	0	0	4,883	4%	195	100	0	19	0
	SOL	50	NO	100	NO	3124	136869	0	0	0	350	0	0							
	SOL	50	NO	100	NO	3124	136870	0	0	0	265	0	0							
	SOL	50	NO	100	NO	62834	136868	3,500	0	3,500	0	200	0							
	SOL	50	NO	100	NO	62834	136869	350	0	350	0	0	0							
	SOL	50	NO	100	NO	62834	136870	265	0	265	0	0	0							
	SOL	50	NO	100	NO	62834	130265	768	0	887	0	0	119							
						Subtotal	4,883	1A	0	1B	5,002	4	4,115	2	200	3	119			
02/03	SOL	0	NO	100	NO	3124	136868	0	0	0	3,500	0	0	4,883	4%	195	0	0	34	0
	SOL	0	NO	100	NO	3124	136869	0	0	0	350	0	0							
	SOL	0	NO	100	NO	3124	136870	0	0	0	265	0	0							
	SOL	0	NO	100	NO	62834	136868	3,500	0	3,500	0	200	0							
	SOL	0	NO	100	NO	62834	136869	350	0	350	0	0	0							
	SOL	0	NO	100	NO	62834	136870	265	0	265	0	0	0							
	SOL	0	NO	100	NO	62834	139265	768	0	802	0	0	34							
						Subtotal	4,883	0	4,917	4,115	200	34								
02/04	SOL	50	NO	100	NO	3124	136868	0	0	0	3,500	0	0	4,883	4%	195	93	0	0	0
	SOL	50	NO	100	NO	3124	136869	0	0	0	350	0	0							
	SOL	50	NO	100	NO	3124	136870	0	0	0	265	0	0							
	SOL	50	NO	100	NO	62834	136868	3,500	0	3,500	0	200	0							
	SOL	50	NO	100	NO	62834	136869	350	0	350	0	0	0							
	SOL	50	NO	100	NO	62834	136870	265	0	265	0	0	0							
	SOL	50	NO	100	NO	62834	139265	768	0	861	0	0	93							
						Subtotal	4,883	0	4,976	4,115	200	93								
02/12	SOL	100	NO	100	NO	3124	136868	0	0	0	3,500	0	0							

If the Tolerance Calc Qty is greater than the Variance quantity then data is not displayed for the gas day.

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<https://www.northernnaturalgas.com/support/ALLOCATIONOVERVIEW/Pages/default.aspx>

Support / Allocation Of Capacity Overview

Date Requested: Jul 28 2025 9:05 AM



Pursuant to Section 29 of the General Terms and Conditions of the Tariff, Northern Natural Gas allocates transportation capacity when nominations received from one or more shippers exceed the available physical pipeline capacity. The links below provide additional information to allocation of capacity on groups or points on Northern's system. For additional information regarding allocation of capacity, please see [Allocation of Transportation - Frequently Asked Questions](#).

Market Area Group Allocation Maps

[Click here or on the thumbnail below to view Northern's Market Area group allocation maps.](#)



Field Area Group Allocation Maps

[Click here or on the thumbnail below to view Northern's Field Area group allocation maps.](#)



Receipt Points Impacted or Not Impacted

BEATRICE NORTH ALLOCATION GROUP (832)

Specific Receipt Points Impacted or Not Impacted

The tables below indicate whether or not nominations from the following receipt points to delivery points in the Beatrice North Allocation Group are affected by the Beatrice North Allocation Group.

Reminder: Receipt to delivery points within the group are **not** affected by the allocation.

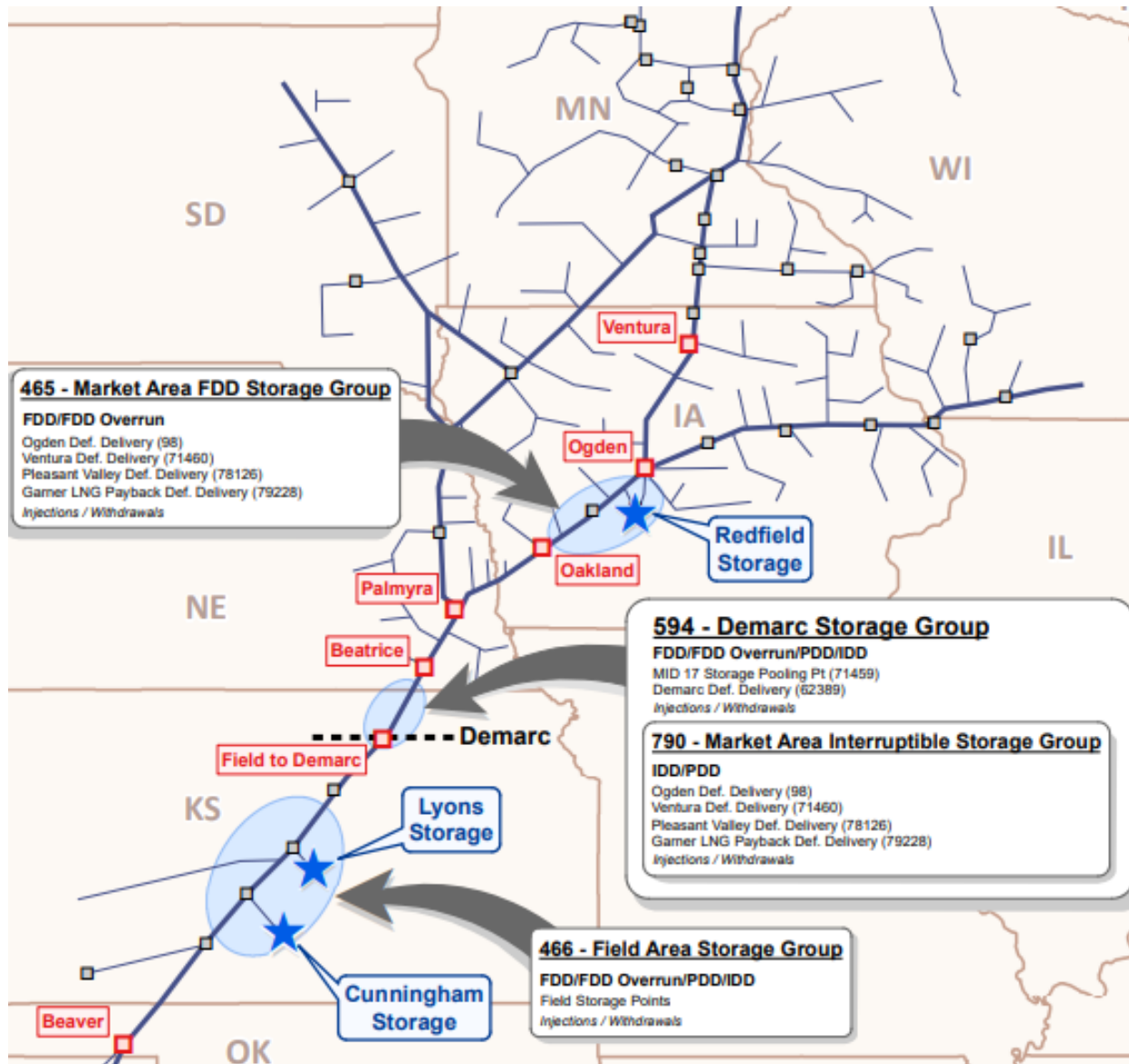
Receipt Points Impacted

Point Name	POI #	Storage Name	POI #
MID 17 Pooling Point	71458	Demarc Def. Delivery (FDD/FDD Overrun/PDD/IDD)	62389
NNG Field/Mkt Demarcation -16B	37654	MID 17 Storage Pooling Point (FDD/FDD Overrun/PDD/IDD)	71459
REX/NNG Gage County	78929	Ogden Def. Delivery (PDD/IDD)	98
TBPL/NNG Beatrice	1318	Pleasant Valley Def. Delivery (PDD/IDD)	78126
		Ventura Def. Delivery (PDD/IDD)	71460
		Garner LNG Payback Def. Delivery (PDD/IDD)	79228

Receipt Points Not Impacted

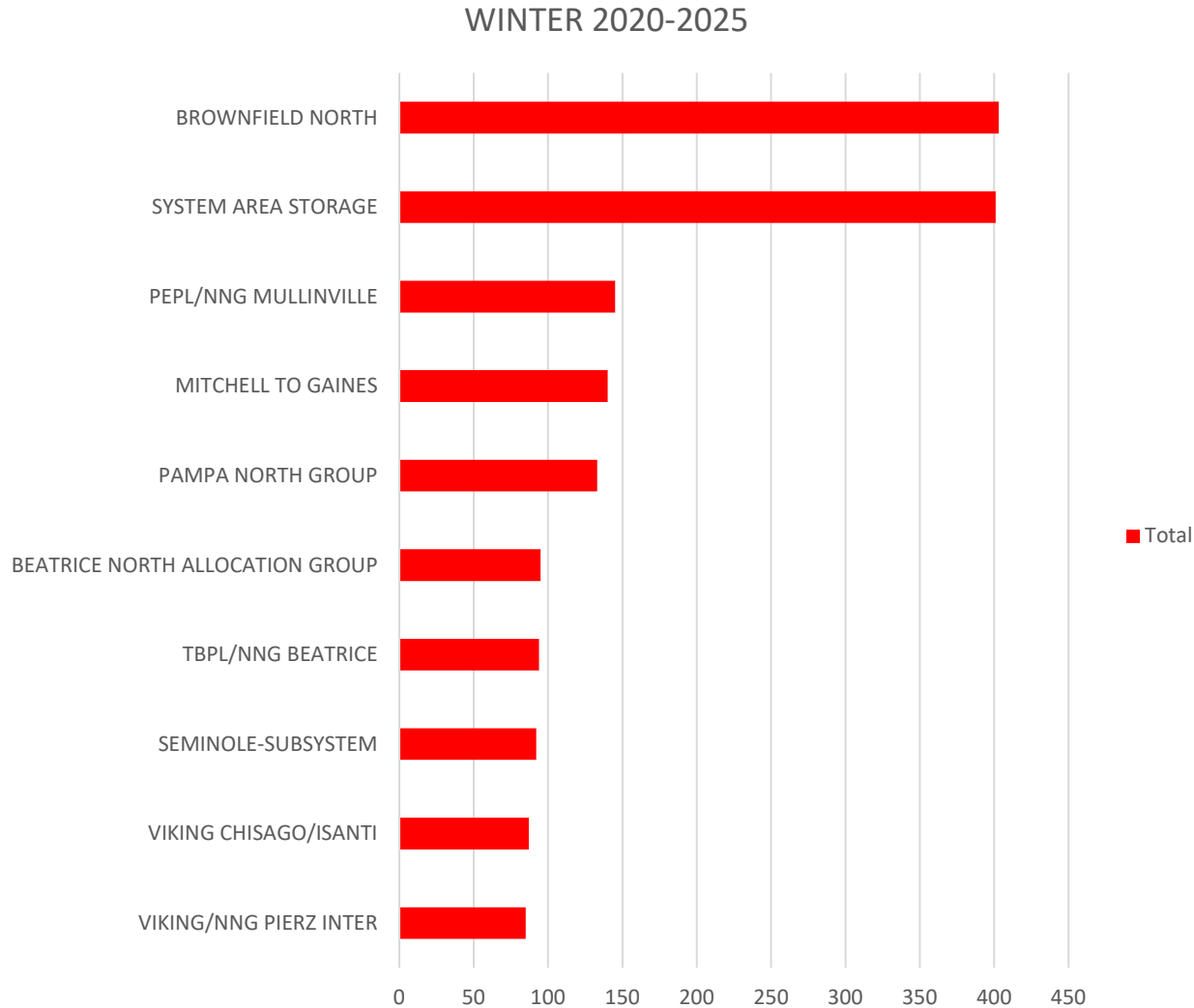
Point Name	POI #	Point Name	POI #
ANR/NNG Rio Interconnect	78878	NGPL/NNG Glenwood	197
GRLKS/NNG Carlton	388	TIGT Milligan	210
GRLKS/NNG Grand Rapids	78994	Ventura Pooling Point (MID 17-192)	78623
GRLKS/NNG Wakefield	21972	Viking Chisago/Isanti	196
Guardian/NNG Walworth ITE	78348	Viking/NNG Pierz Inter	61667
NBPL/NNG Aberdeen	193	Viking/NNG Polk ITE	62983
NBPL/NNG Grundy Center	60229	Storage Name	POI #
NBPL/NNG Hazel	79244	Ogden Def. Delivery (FDD/FDD Overrun)	98
NBPL/NNG Marshall	204	Pleasant Valley Def. Delivery (FDD/FDD Overrun)	78126
NBPL/NNG Ventura	192	Ventura Def. Delivery (FDD/FDD Overrun)	71460
NBPL/NNG Welcome	1665	Garner LNG Payback Def. Delivery (FDD/FDD Overrun)	79228

Storage Group Relationships to Transportation Allocations



Allocation History 2020-2025

Winter Months Only



At A Glance

Northern's Homepage → Informational Postings → At A Glance

- Critical and Non-Critical Notices
- Planned Service Outage Notices
- SOL, SUL and Critical Day Status
- Operationally Available Capacity Map

- Capacity Constraint by Cycle
- Temperature Forecast
- TMS Online Cycle Indicator
- Storage Nomination Guidance

Critical Notices

No information to display.

Non-Critical Notices

Notice Type	Subject
Capacity Constraint	SUPPLEMENTAL INFORMATION FOR GAS DAY AUGUST 19, 2025 NEW
Capacity Constraint	SEMINOLE-SUBSYSTEM NEW
Capacity Constraint	CARLTON SOUTH RECEIPT ALLOCATION GROUP NEW
Capacity Constraint	BROWNFIELD NORTH NEW
Capacity Constraint	PIERZ REGION RECEIPT ALLOCATION GROUP NEW
Capacity Constraint	ONEOK WESTERLY RECEIPT ALLOCATION GROUP NEW

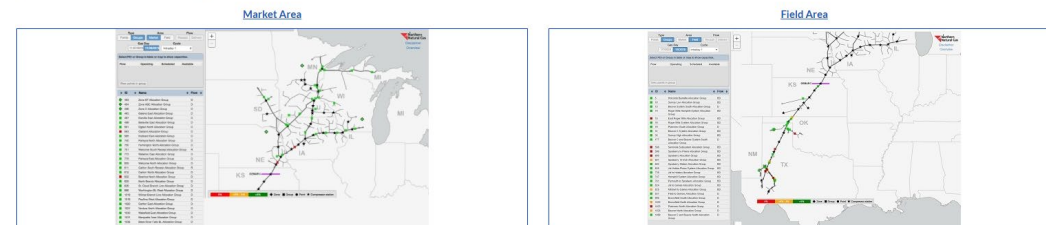
Planned Service Outage Notices

Subject
PLANNED SERVICE OUTAGES - AUGUST 2025 THROUGH NOVEMBER 2025

SOL, SUL & Critical Day Status

Type	Effective Status	History
SOL	Not In effect	See More
SUL	Not In effect	See More
Critical Day Notice	Not In effect	See More

Operationally Available Capacity Maps



Capacity Constraint by Cycle

Gas Day: 08/18/2025 Cycle: Timely Critical: All Types [RETRIEVE](#)

[View all allocations by cycle](#)

Temp. Forecast

08/18 MON	08/19 TUE	08/20 WED	08/21 THU
74°	74°	72°	73°

Normal system-weighted temperature 71°

TMS Online Cycle Indicator

Last Updated: Aug 18 2025 2:37 PM

Cycle	Non Grid AM	Final	ID1	Timely	ID2	Evening	ID3
Nomination	08/18	08/17	08/18	08/19	08/18	08/19	08/18
Confirmation	CLOSED	CLOSED	CLOSED	CLOSED	OPEN	OPEN	OPEN

Storage Nomination Guidance

Last Updated: Aug 18 2025 09:00 AM

	08/19 Tuesday	08/20 Wednesday	08/21 Thursday
Direction of Constraint	Injection	Evaluation Pending	Evaluation Pending
Likelihood of Allocation	Unlikely	Evaluation Pending	Evaluation Pending

Invoicing and Imbalance Resolution Election Dates



Invoicing and Imbalance Resolution Election Dates 2025

Reservation and Commodity Invoice Dates 2025

Production Month	Reservation Invoice Date ¹	Reservation Due Date ²	Commodity Invoice Date ^{1,3}	Commodity Due Date ²
Dec 2024	1/2/2025	1/13/2025	1/14/2025	1/24/2025
Jan 2025	2/3/2025	2/13/2025	2/13/2025	2/24/2025
Feb 2025	3/3/2025	3/13/2025	3/13/2025	3/24/2025
Mar 2025	4/1/2025	4/11/2025	4/11/2025	4/21/2025
Apr 2025	5/1/2025	5/12/2025	5/13/2025	5/23/2025
May 2025	6/2/2025	6/12/2025	6/12/2025	6/23/2025
June 2025	7/1/2025	7/11/2025	7/14/2025	7/24/2025
July 2025	8/1/2025	8/11/2025	8/13/2025	8/25/2025
Aug 2025	9/2/2025	9/12/2025	9/12/2025	9/22/2025
Sep 2025	10/1/2025	10/14/2025	10/14/2025	10/24/2025
Oct 2025	11/3/2025	11/13/2025	11/14/2025	11/24/2025
Nov 2025	12/1/2025	12/11/2025	12/11/2025	12/22/2025
Dec 2025	1/2/2026	1/12/2026	1/14/2026	1/26/2026

¹Any changes identified by the customer must be communicated to Northern by noon the day prior to the Invoice Date to be included in customer's invoice.

²Due Date is 10 days from the invoice date with the exception, if the Due Date falls on a weekend, the Due Date will default to the following Monday.

³Pursuant to the tariff, "The statements and billings shall be rendered on or before the 9th business day after the end of the production month." (See Northern's FERC Gas Tariff, Part 8, Section 8 Billing and Payment)

Imbalance Resolution Election and Imbalance Trading Dates 2025

Production Month	Imbalance Resolution Elections and Imbalance Trading Open Date ⁴	Imbalance Resolution Elections Close Date ⁵	Imbalance Trading Close Date ⁶
Dec 2024	1/14/2025	1/17/2025	1/27/2025
Jan 2025	2/13/2025	2/19/2025	2/26/2025
Feb 2025	3/13/2025	3/18/2025	3/25/2025
Mar 2025	4/11/2025	4/16/2025	4/23/2025
Apr 2025	5/13/2025	5/16/2025	5/23/2025
May 2025	6/12/2025	6/17/2025	6/25/2025
June 2025	7/14/2025	7/17/2025	7/24/2025
July 2025	8/13/2025	8/18/2025	8/25/2025
Aug 2025	9/12/2025	9/17/2025	9/24/2025
Sep 2025	10/14/2025	10/17/2025	10/24/2025
Oct 2025	11/14/2025	11/19/2025	11/26/2025
Nov 2025	12/11/2025	12/16/2025	12/23/2025
Dec 2025	1/14/2026	1/20/2026	1/27/2026

⁴Imbalance Resolution Elections and Imbalance Trading Open Date is the 9th business day, beginning at 9 a.m.

⁵Imbalance Resolution Elections Close Date is the 12th business day, ending at 10 p.m.

⁶Imbalance Trading Close Date is the 17th business day, ending at 10 p.m.

Transport and Fuel Rates Matrix



NORTHERN NATURAL GAS COMPANY - Variable Cost Rate Matrix							Effective - Winter - November 1, 2025 through March 31, 2026														11/1/2025	
Version 5/17/2025							ACA subject to change in October															
		DELIVERY MID																				
RECEIPT MID		1	2	3	4	5	6	7	7B	8	9	10	11	12	13	14	15	16A	16B	17		
		Segmentation																		Demarc	Market Area	
1	Interruptible	\$0.0873	\$0.2085	\$0.4353	\$0.6182	\$0.6953	\$0.4948	\$0.5653	\$0.7423	\$1.3253	\$1.1424	\$1.3517	\$1.0918	\$1.2261	\$1.3319	\$1.5213	\$1.6204	\$1.5125	\$1.6961	\$2.5722		
	FT Max Commodity	\$0.0054	\$0.0111	\$0.0217	\$0.0302	\$0.0338	\$0.0245	\$0.0278	\$0.0347	\$0.0633	\$0.0548	\$0.0645	\$0.0524	\$0.0587	\$0.0636	\$0.0725	\$0.0771	\$0.0721	\$0.0793	\$0.1072		
	Fuel Rate	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	0.79%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.37%	3.95%	
2	Interruptible	\$0.1027	\$0.0168	\$0.1578	\$0.4243	\$0.5499	\$0.3649	\$0.4596	\$0.6366	\$1.1821	\$1.0036	\$1.1733	\$0.9706	\$1.0829	\$1.1777	\$1.3693	\$1.6182	\$1.3759	\$1.5287	\$2.4048		
	FT Max Commodity	\$0.0061	\$0.0021	\$0.0087	\$0.0212	\$0.0270	\$0.0184	\$0.0228	\$0.0298	\$0.0566	\$0.0483	\$0.0562	\$0.0467	\$0.0520	\$0.0564	\$0.0654	\$0.0770	\$0.0657	\$0.0715	\$0.0994		
	Fuel Rate	0.43%	0.43%	1.22%	1.22%	0.43%	0.43%	1.22%	0.79%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.37%	3.95%	
3	Interruptible	\$0.6843	\$0.4442	\$0.1159	\$0.1358	\$0.6027	\$0.3737	\$0.2789	\$0.4560	\$1.2415	\$1.0609	\$1.2107	\$1.0367	\$1.1468	\$1.2437	\$1.4838	\$1.6821	\$1.2614	\$1.5441	\$2.4202		
	FT Max Commodity	\$0.0333	\$0.0221	\$0.0068	\$0.0077	\$0.0295	\$0.0188	\$0.0144	\$0.0213	\$0.0594	\$0.0509	\$0.0579	\$0.0498	\$0.0550	\$0.0595	\$0.0707	\$0.0800	\$0.0603	\$0.0722	\$0.1001		
	Fuel Rate	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	0.79%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.37%	3.95%	
4	Interruptible	\$0.6600	\$0.5873	\$0.4155	\$0.1005	\$0.3649	\$0.2503	\$0.3913	\$0.5683	\$1.1336	\$0.9486	\$1.0521	\$0.9199	\$1.0323	\$1.1270	\$1.3297	\$1.5676	\$1.2966	\$1.5155	\$2.3916		
	FT Max Commodity	\$0.0322	\$0.0288	\$0.0208	\$0.0060	\$0.0184	\$0.0130	\$0.0196	\$0.0266	\$0.0543	\$0.0457	\$0.0505	\$0.0444	\$0.0496	\$0.0540	\$0.0635	\$0.0746	\$0.0620	\$0.0709	\$0.0988		
	Fuel Rate	1.22%	1.22%	1.22%	1.22%	0.43%	1.22%	1.22%	0.79%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.37%	3.95%	
5	Interruptible	\$0.6050	\$0.5455	\$0.4287	\$0.3847	\$0.0609	\$0.1688	\$0.3032	\$0.4802	\$1.0741	\$0.8913	\$1.1094	\$0.8627	\$0.9750	\$1.0697	\$1.1733	\$1.4772	\$1.3186	\$1.4472	\$2.3233		
	FT Max Commodity	\$0.0296	\$0.0268	\$0.0214	\$0.0193	\$0.0042	\$0.0092	\$0.0155	\$0.0225	\$0.0516	\$0.0430	\$0.0532	\$0.0417	\$0.0469	\$0.0514	\$0.0562	\$0.0704	\$0.0630	\$0.0677	\$0.0956		
	Fuel Rate	1.22%	1.22%	1.22%	1.22%	0.43%	1.22%	1.22%	0.79%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.37%	3.95%	
6	Interruptible	\$0.3847	\$0.3076	\$0.1115	\$0.1666	\$0.2283	\$0.1490	\$0.1754	\$0.3524	\$0.9926	\$0.7261	\$1.0081	\$0.7790	\$0.8935	\$0.9882	\$1.1843	\$1.4596	\$1.1733	\$1.4031	\$2.2792		
	FT Max Commodity	\$0.0193	\$0.0157	\$0.0066	\$0.0091	\$0.0120	\$0.0083	\$0.0095	\$0.0165	\$0.0478	\$0.0353	\$0.0485	\$0.0378	\$0.0431	\$0.0475	\$0.0567	\$0.0696	\$0.0562	\$0.0656	\$0.0935		
	Fuel Rate	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	0.79%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.37%	3.95%	
7	Interruptible	\$0.6622	\$0.5763	\$0.5521	\$0.4375	\$0.4684	\$0.2767	\$0.2217	\$0.3987	\$0.6358	\$0.4508	\$0.6600	\$0.4243	\$0.5345	\$0.6314	\$0.8318	\$1.2856	\$0.8230	\$1.0199	\$1.8960		
	FT Max Commodity	\$0.0323	\$0.0283	\$0.0272	\$0.0218	\$0.0232	\$0.0143	\$0.0117	\$0.0186	\$0.0311	\$0.0224	\$0.0322	\$0.0212	\$0.0263	\$0.0309	\$0.0402	\$0.0614	\$0.0398	\$0.0477	\$0.0756		
	Fuel Rate	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	0.79%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.37%	3.95%	
7B Segmentation	Interruptible	\$0.6622	\$0.5763	\$0.5521	\$0.4375	\$0.4684	\$0.2767	\$0.2217	\$0.0000	\$0.6358	\$0.4508	\$0.6600	\$0.4243	\$0.5345	\$0.6314	\$0.8318	\$1.2856	\$0.8230	\$1.0199	\$1.8960		
	FT Max Commodity	\$0.0323	\$0.0283	\$0.0272	\$0.0218	\$0.0232	\$0.0143	\$0.0117	\$0.0000	\$0.0311	\$0.0224	\$0.0322	\$0.0212	\$0.0263	\$0.0309	\$0.0402	\$0.0614	\$0.0398	\$0.0477	\$0.0756		
	Fuel Rate	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	0.00%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	1.58%	3.16%	
8	Interruptible	\$1.3253	\$1.2548	\$1.1600	\$1.1446	\$1.1336	\$0.9155	\$0.9486	\$0.7511	\$0.0190	\$0.4574	\$0.4816	\$0.2878	\$0.3671	\$0.4640	\$0.6490	\$0.9794	\$0.6182	\$0.8172	\$1.6933		
	FT Max Commodity	\$0.0633	\$0.0600	\$0.0556	\$0.0549	\$0.0543	\$0.0441	\$0.0457	\$0.0351	\$0.0022	\$0.0227	\$0.0239	\$0.0148	\$0.0185	\$0.0230	\$0.0317	\$0.0471	\$0.0302	\$0.0382	\$0.0661		
	Fuel Rate	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	1.58%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	1.58%	3.16%	
9	Interruptible	\$1.1512	\$1.0719	\$0.9640	\$0.8979	\$0.7680	\$0.7834	\$0.5367	\$0.3392	\$0.2811	\$0.1490	\$0.3737	\$0.1688	\$0.3649	\$0.3715	\$0.5851	\$0.8957	\$0.6556	\$0.8062	\$1.6823		
	FT Max Commodity	\$0.0552	\$0.0515	\$0.0464	\$0.0433	\$0.0372	\$0.0380	\$0.0264	\$0.0159	\$0.0145	\$0.0083	\$0.0188	\$0.0092	\$0.0184	\$0.0187	\$0.0287	\$0.0432	\$0.0320	\$0.0377	\$0.0656		
	Fuel Rate	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	1.58%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	1.58%	3.16%	
10	Interruptible	\$1.1733	\$1.2129	\$1.1711	\$1.0147	\$0.8451	\$0.8583	\$0.6446	\$0.4472	\$0.4221	\$0.3627	\$0.0278	\$0.1093	\$0.3252	\$0.4155	\$0.6138	\$0.8517	\$0.5058	\$0.8018	\$1.6779		
	FT Max Commodity	\$0.0562	\$0.0581	\$0.0561	\$0.0488	\$0.0408	\$0.0415	\$0.0315	\$0.0209	\$0.0211	\$0.0183	\$0.0026	\$0.0064	\$0.0165	\$0.0208	\$0.0300	\$0.0412	\$0.0250	\$0.0375	\$0.0654		
	Fuel Rate	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	2.80%	1.58%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	1.58%	3.16%	

<https://www.northernnaturalgas.com/infopostings/rates/Pages/TransportFuelRates.aspx>

DDVC Rates



Rates / DDVC Rates

Date Requested: Jul 28 2025 10:28 AM

Daily Delivery Variance Charges (DDVC) Structure


DDVC Penalty (higher of existing fixed-rate or index multiple)	Existing Fixed-Rate	Index Multiple
Standard Days (no SOL, SUL or Critical Day) <ul style="list-style-type: none">• DDVC	Maximum TI Rate	No Index Pricing
System Overrun Limitation (SOL) <ul style="list-style-type: none">• Punitive• Positive (5%)	\$21.275 \$1.00	2.0x 1.25x
Critical Day <ul style="list-style-type: none">• Punitive Level II• Punitive Level I (additional 5%)• Positive (Next 3%)• Positive (First 2%)	\$113.00 \$56.50 \$22.00 \$15.00	3.0x 2.0x 1.75x 1.5x
System Underrun Limitation (SUL) <ul style="list-style-type: none">• Negative	\$1.00	1.25x
Index – The highest published Platts “Gas Daily” Midpoint price on the applicable day at any of the applicable index points of: Market Area – Northern, demarc and Northern, Ventura ; or Field Area – Panhandle, Tx.-Okla. and El Paso, Permian.		

<https://www.northernnaturalgas.com/infopostings/rates/Pages/DDVC-Rates.aspx>

Communication



- Northern Daily Highlights
 - Distributed via email every morning at approximately 5 A.M. CCT
 - Provides a one-page newsletter featuring prominent updates such as critical notices, commercial highlights, operational updates, available capacity and billing highlights



Northern Daily Highlights
January 31, 2024

Critical Notices

Subject	Type	Begin Date	End Date
CARLTON RESOLUTION OBLIGATION	Operational Flow Order/Carlton Resolution	Jan 23 2024 09:00 AM	Apr 01 2024 08:59 AM

The Critical Notices above are active notices posted within the last 14 days. For a complete list of all active critical notices please see [Northern's Critical Notices](#) section.

Pipeline Status Highlights

Market and Field Planned Service Outages — Northern has updated the planned service outages that will affect operating capacity within the months of January 2024 through April 2024 for the Market and Field Areas. Please refer to [planned service outage notice #75216](#) and the [Planned Service Outage Summary](#) page for detailed information related to each outage, including the impacted allocation group(s) and/or point(s), direction of flow, normal operating capacity, estimated daily operating capacity during the outage and the anticipated impact to primary firm service. Please continue to review the [Planned Service Outage](#) and [Planned Service Outage Summary](#) sections on Northern's website for updated information.

Winter Storm Gerri Recap — Despite an 11-day stretch of colder-than-normal system-weighted temperatures and challenging conditions for customers and point operators throughout the entire system, Northern's facilities performed exceptionally well to meet the dynamic needs of our customers. Please see [notice #75185](#) for further details.

Marketing / Commercial Highlights

TMS Enhancements — Northern has developed and implemented two new enhancements to its online TMS Nomination Reconciliation screen. Please see [notice #75221](#) for further details.

Communication (continued)

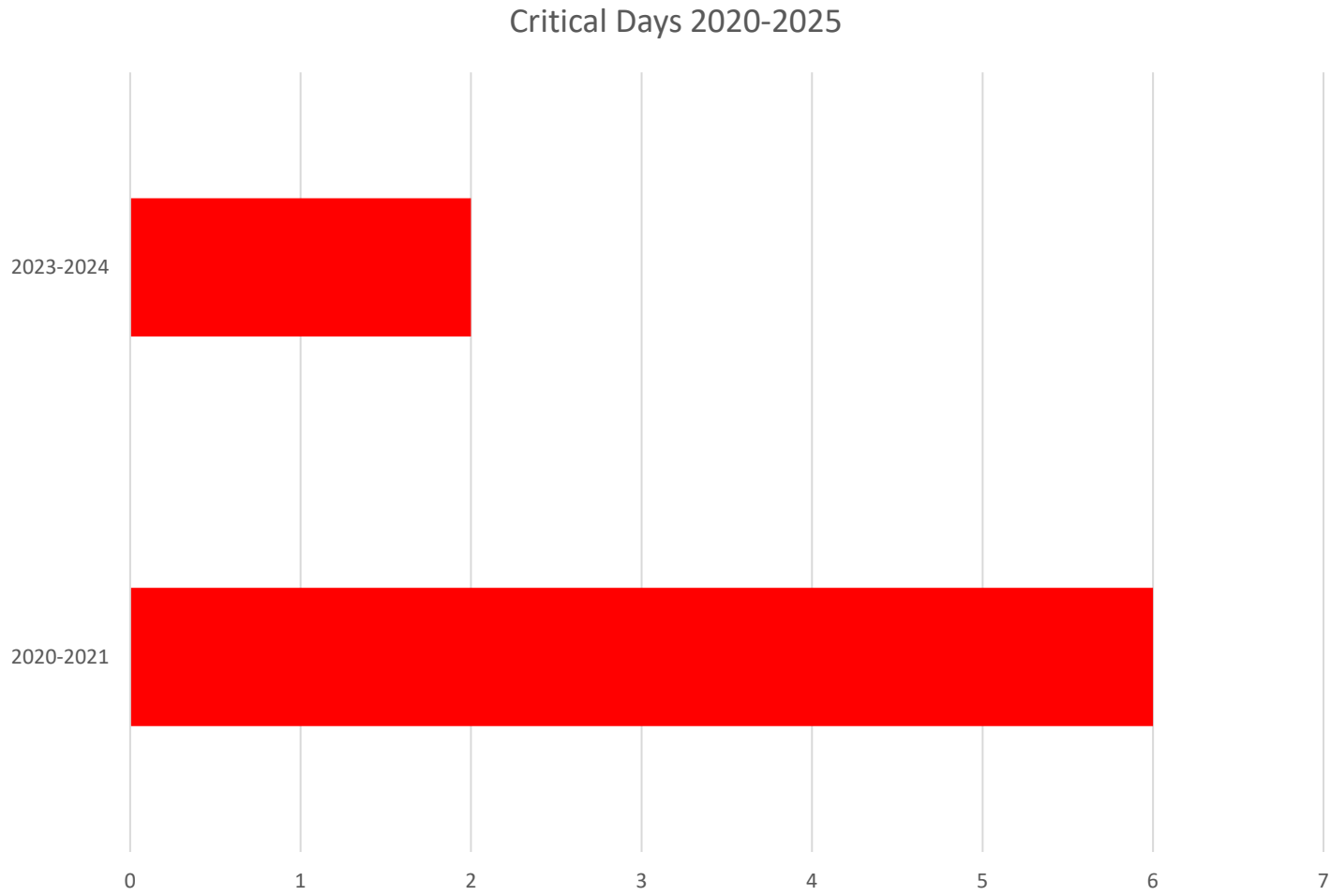


- Weekend Guidance
 - Posted every Thursday afternoon or prior to a holiday weekend during the heating season to notify customers of Northern’s requirements for the Carlton Resolution and SOL days
 - Carlton Resolution
 - SOL – If an SOL is required for any of the three days, an SOL will be called for the entire weekend to protect customers from negative DDVCs
 - SMS percentage on SOL days may fluctuate based on evolving conditions, but any change will always be an increase and never a decrease

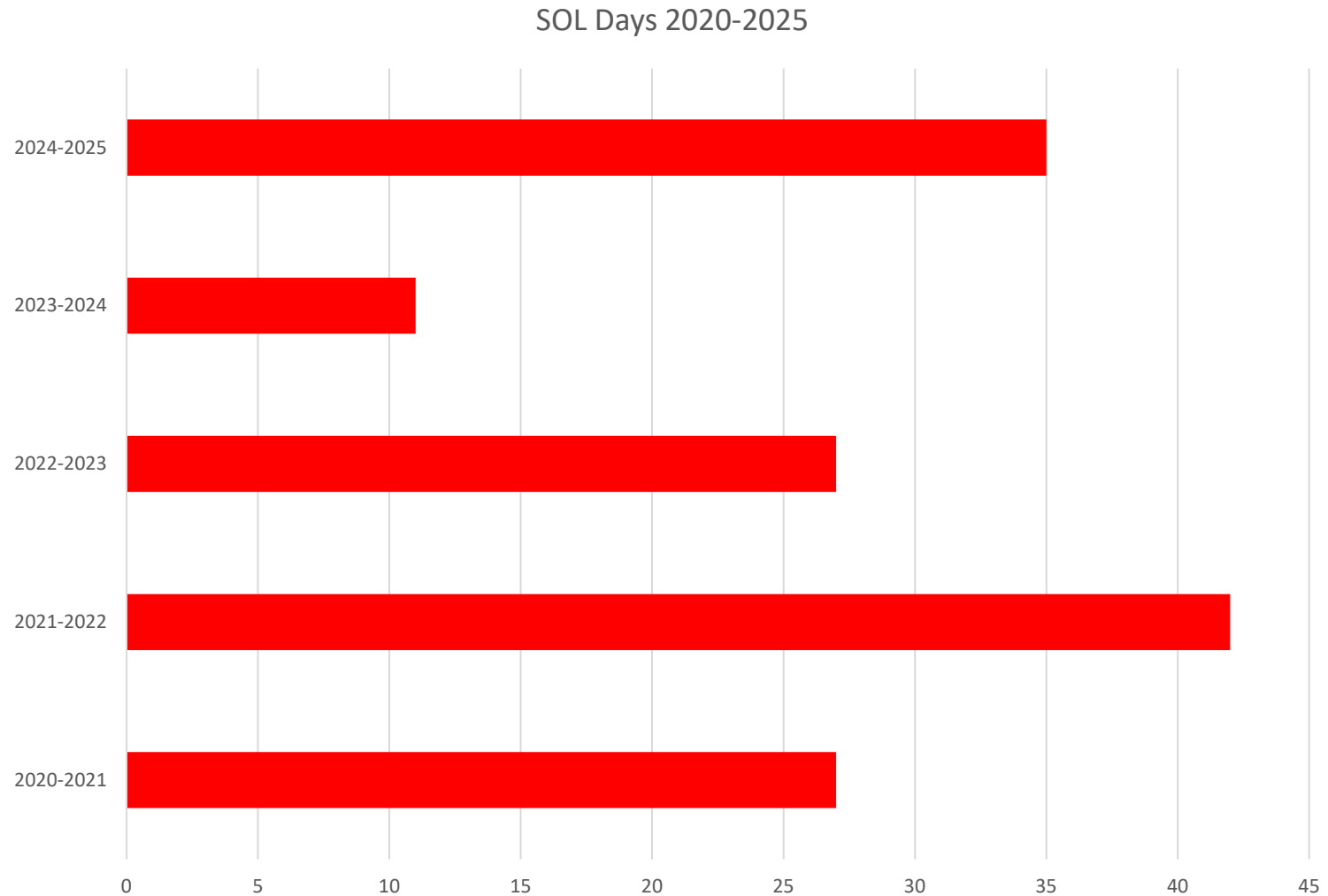


TSP Name: Northern Natural Gas Company	Post Date/Time: 12/27/2023 03:00 PM
TSP: 784158214	Notice Effective Date/Time: 12/29/2023 09:00 AM
Notice ID: 074479	Notice End Date/Time: 01/02/2024 08:59 AM
Notice Type: Pipeline Conditions	For Gas Day(s): 12/29/2023 - 01/01/2024
Subject: HOLIDAY WEEKEND OUTLOOK FRIDAY, DECEMBER 28, 2023 – TUESDAY, JANUARY 2, 2024	Notice Status: Initiate
Critical: N	Required Response Indicator Description: 5-No response required
Location: MARKET AND FIELD AREA	
Notice Text: In an effort to provide timely and useful information that may impact customers’ decisions regarding nominated volumes, and to assist customers in scheduling their transportation and storage services, Northern is providing advance notice of system conditions for the upcoming holiday weekend. Based on the temperatures and system conditions that are currently forecast through the holiday weekend, the Carlton sourcing obligation, System Overrun Limitation (SOL) and System Underrun Limitation (SUL) statuses are shown below. The Carlton sourcing obligation will be as follows: <ul style="list-style-type: none"> • Gay Day Friday, December 29, 2023, will be 0% • Gas Day Saturday, December 30, 2023, will be 0% • Gas Day Sunday, December 31, 2023, will be 0% • Gas Day Monday, January 1, 2024, will be 0% • Gas Day Tuesday, January 2, 2024, will be 0% SOL, SUL and related System Management Service (SMS) status will be as follows: <ul style="list-style-type: none"> • No SOL • No SUL For information regarding storage constraints refer to the Storage Nomination Guidance on the At a Glance web page. If you have any questions, please contact your customer service or marketing representative.	

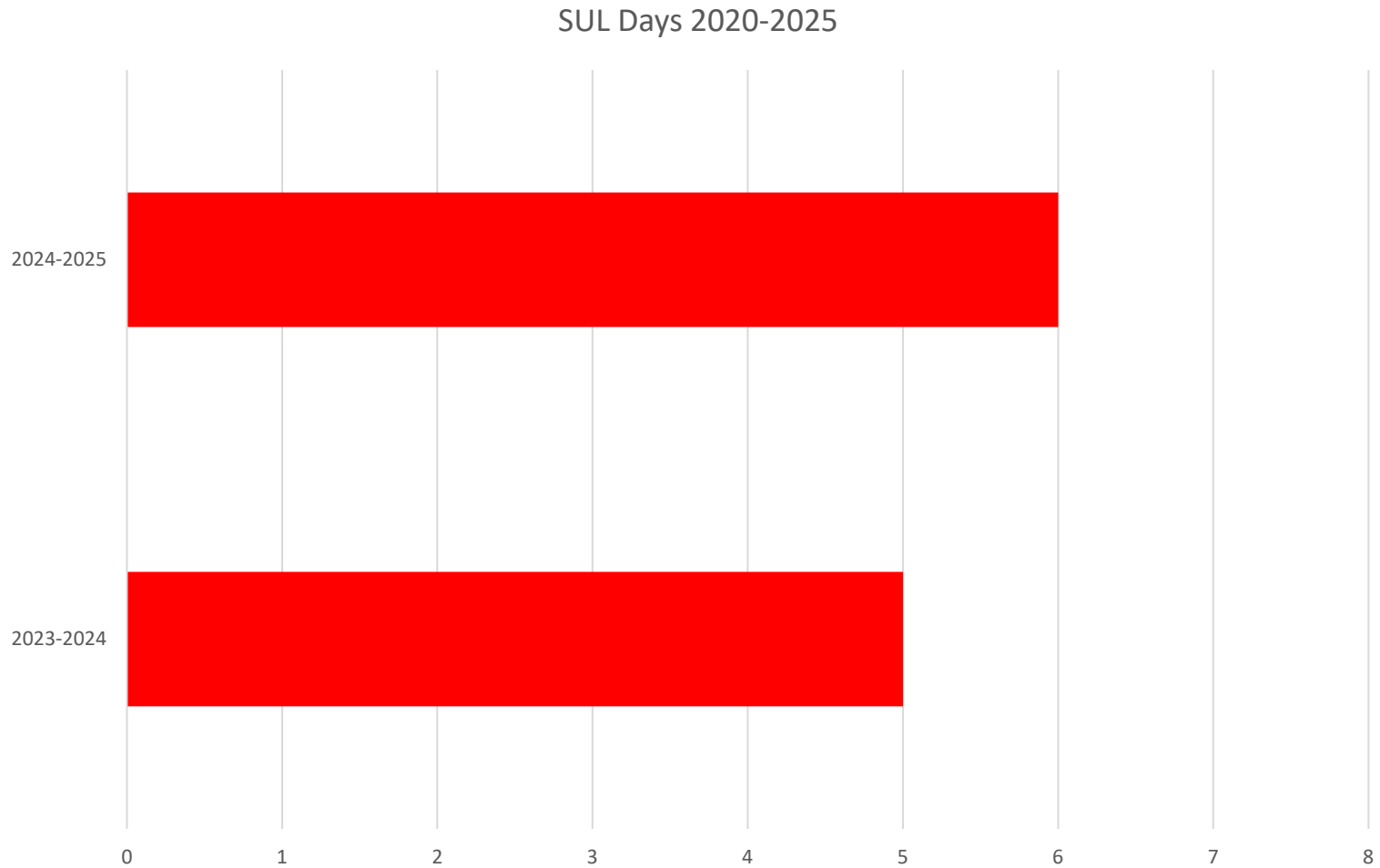
Critical Day History 2020-2025



SOL History 2020-2025




SUL History 2020-2025




Carlton Resolution FAQ

Support > FAQs



 Pipeline Emergency
(888) 367-6671
(402) 398-7911

 General Information
(877) 654-0646
(402) 398-7200

 Customer Service
(866) 398-7098
(402) 398-7098



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Support / **Frequently Asked Questions (FAQ's)**

Date Requested: Aug 29 2025 9:54 AM

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- [Allocation of Transportation Capacity - Frequently Asked Questions](#)
- [Automated FDD/PDD Storage Nomination and Scheduling Validations - Frequently Asked Questions](#)
- [Capacity Release - Frequently Asked Questions](#)
- [Carlton Resolution - Frequently Asked Questions](#)
- [Curtailment - Frequently Asked Questions](#)
- [Elapsed Prorated Scheduled Quantity \(EPSQ\) - Frequently Asked Questions](#)
- [Field Area Pools \(Trading Pools\) - Frequently Asked Questions](#)
- [Field Area Segmentation - Frequently Asked Questions](#)
- [Imbalance Resolution - Frequently Asked Questions](#)
- [In-Kind Payback - Frequently Asked Questions](#)
- [Multifactor Authentication \(MFA\) - Frequently Asked Questions](#)
- [Reservation Crediting - Frequently Asked Questions](#)
- [Under-Recovery Retainage \(URR\) - Frequently Asked Questions](#)
- [Ventura Pool - Frequently Asked Questions](#)
- [Virtual \(Market Area\) Segmentation - Frequently Asked Questions](#)


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Carlton Resolution Obligation History

Informational Postings > Other Operational Info > Carlton Resolution



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Storage Nomination Guidance	
Temperature Forecast	
Downloads	

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Date Requested: Aug 28 2025 10:00 AM

 Printable Version

Carlton Resolution Obligation

- [Carlton Resolution Obligation 2025-2026](#)
The link above lists the Carlton Resolution Obligation for the 2025-2026 Heating Season as shown in the Tariff.
- [Carlton Resolution Obligation 2024-2025](#)
The link above lists the Carlton Resolution Obligation for the 2024-2025 Heating Season as shown in the Tariff.
- [Carlton Reimbursement](#)
The link above lists the Carlton Resolution Reimbursement for the 2024-2025 Heating Season.

History of Carlton Resolution Obligation Flow Orders

The links below contain the history of the Carlton Resolution Obligation Flow Orders from 2018 to current.

- [Carlton Resolution History 2024 - 2025](#)
- [Carlton Resolution History 2023 - 2024](#)
- [Carlton Resolution History 2022 - 2023](#)
- [Carlton Resolution History 2021 - 2022](#)
- [Carlton Resolution History 2020 - 2021](#)
- [Carlton Resolution History 2019 - 2020](#)

Carlton South Group vs. Carlton Point Allocations: Key Differences



- Different allocation methodologies apply
 - In a group allocation, TMS evaluates the entire nomination path, considering both the receipt and delivery gas types when making cuts
 - In a point allocation, TMS evaluates either the nomination's receipt gas type or the delivery gas type when making cuts – depending on whether Northern is allocating receipts or deliveries at that point
 - For example, a P/P path has the highest scheduling priority in a Carlton South Group allocation, but in a Carlton receipt point allocation, it shares the same priority as a P/S path
- Alternate Receipt/Delivery Flexibility applies to group allocations only
 - If Northern is allocating the Carlton South Group, shippers can redirect scheduled quantities to upstream receipt or downstream delivery points within the same contract during later nomination cycles
 - If Northern is allocating the Carlton point, any such redirect is treated as incremental in the next cycle – meaning flowing rights for quantities scheduled in the prior cycle are forfeited

TMS Tool:

Several Interactive Grid Features



- TMS utilizes a consistent global grid across the application, designed to enhance the user experience with a variety of interactive features
 - **Features available by clicking a column header:**
 - Single-column sorting
 - Multi-column sorting (hold Ctrl while selecting additional columns)
 - **Features accessible via the column header hamburger menu:**
 - Pin columns
 - Auto-size columns
 - Apply grid filters
 - Show or hide columns
 - **Features available through click-and-drag actions:**
 - Resize columns
 - Reorder columns
 - Group data by one or more columns
 - **Features accessible via buttons in the grid header:**
 - Reset grid settings
 - Export grid data
 - Show or hide the grid form (via toggle button)

TMS Tool:

Hyperlink Text on Cycle Process Status Screen



Cycle Process Status		
Retrieve		
Gas Day: 09/03/2025		
Cycle	Start Date/Time	End Date/Time
Timely Cycle		
Cycle Started	09/02/2025 1:35 PM	09/02/2025 1:35 PM
Balancing Completed	09/02/2025 1:35 PM	09/02/2025 1:37 PM
Throughput Allocated	09/02/2025 1:37 PM	09/02/2025 2:09 PM

- Clicking the hyperlink takes the user to Northern's *Informational Postings/At A Glance* page, where they can view all entities allocated for the selected gas day and cycle

Informational Postings / **At A Glance**

Date Requested: Sep 02 2025 4:32 PM

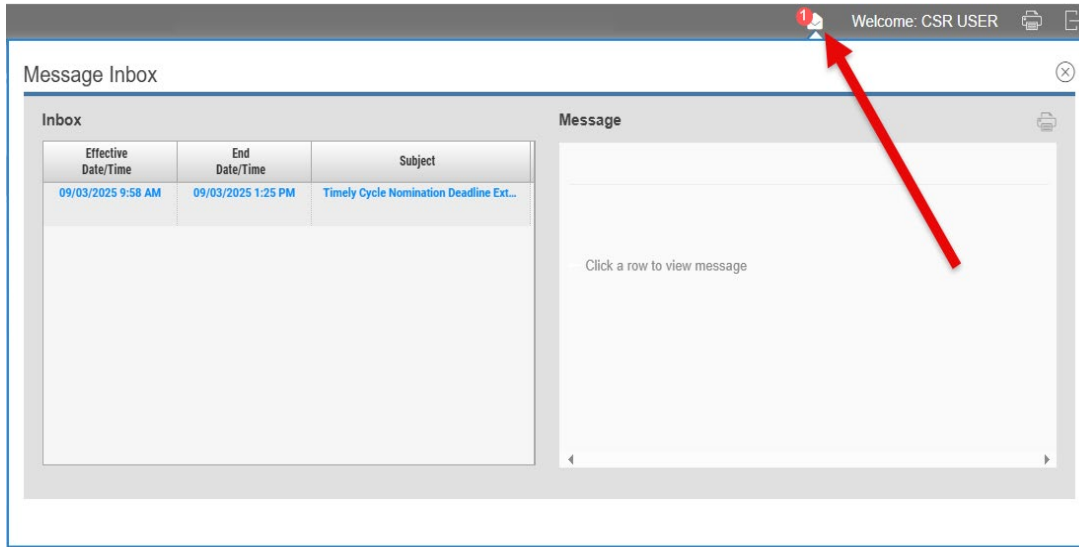


You have selected to view **Non-Critical and Critical** Allocation(s) of **Timely** cycle(s) for gas day of **09/03/2025**

Please click the location names to view the detail and click the print button to print a particular notice.

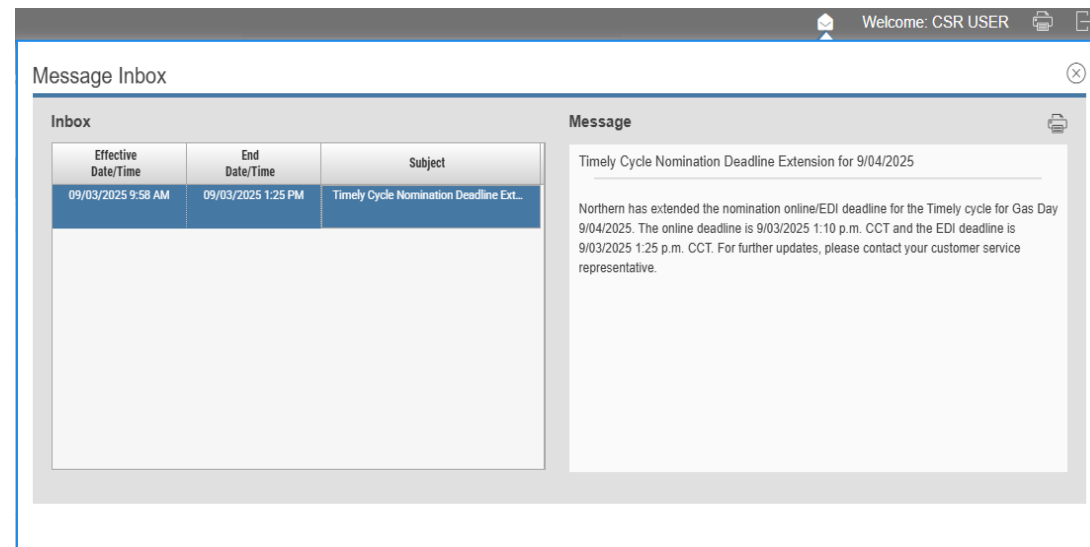
Subject	Cycle	Critical	Notice Effective Date/Time	Notice End Date/Time
FIELD TO DEMARC ALLOCATION GROUP	Timely	No	Sep 03 2025 9:00 AM	Sep 04 2025 8:59 AM
BROWNFIELD NORTH	Timely	No	Sep 03 2025 9:00 AM	Sep 04 2025 8:59 AM
PIERZ REGION RECEIPT ALLOCATION GROUP	Timely	No	Sep 03 2025 9:00 AM	Sep 04 2025 8:59 AM
EL PASO/NNG DUMAS	Timely	No	Sep 03 2025 9:00 AM	Sep 04 2025 8:59 AM
ONEOK WESTEX SEAGRAVES	Timely	No	Sep 03 2025 9:00 AM	Sep 04 2025 8:59 AM
VIKING/NNG PIERZ INTER	Timely	No	Sep 03 2025 9:00 AM	Sep 04 2025 8:59 AM
SUPPLEMENTAL INFORMATION FOR GAS DAY SEPTEMBER 03, 2025	Timely	No	Sep 03 2025 9:00 AM	Sep 04 2025 9:00 AM

TMS Tool: Message Inbox



- The Message Inbox displays all user notifications that haven't expired. If there are unread messages, the count appears in red to alert the user

- When a row is selected, the message subject and body are displayed in the corresponding section on the right



TMS Tool:

Ellipsis Button in Screen Retrieval Form



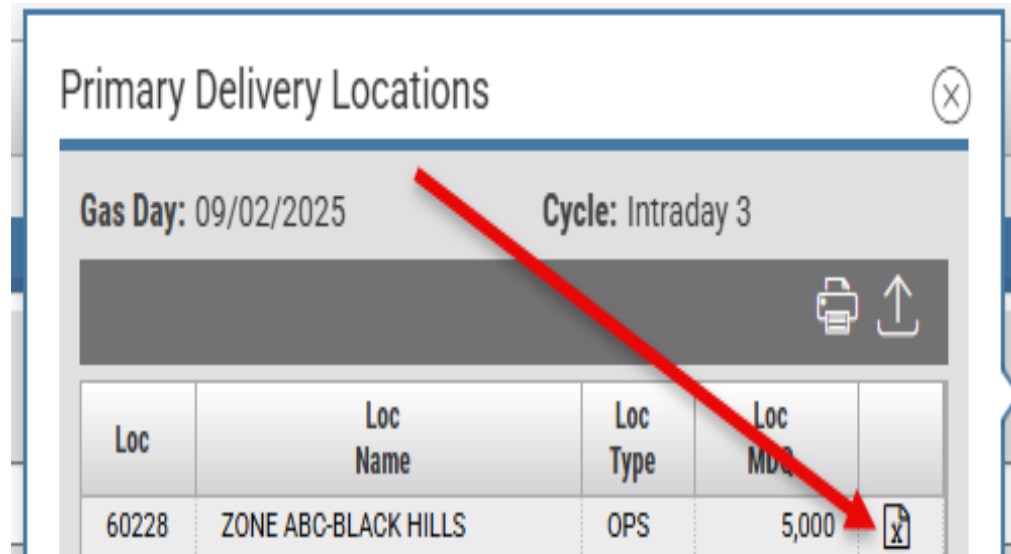
- The ellipsis button is located beside the Retrieve button on the following screens: Nomination Maintenance, Nomination Quantities By Cycle, Scheduled Quantities and Scheduled Quantities Month To Date

- The ellipsis menu includes the following options:
 - Open New – Opens new instance of user's current screen
 - Open NomM – Opens instance of Nomination Maintenance screen for the specified gas day and contract
 - Open NomQ – Opens instance of Nomination Quantities By Cycle screen for the specified gas day, cycle and contract
 - Open NomR – Opens instance of Nomination Reconciliation screen for the specified gas day and cycle
 - Open SchQ – Opens instance of Scheduled Quantities screen for the specified gas day, cycle and contract

TMS Tool: MDQ Detail Button



- The MDQ Detail button resides within the Primary Delivery Locations modal, which can be accessed from the Nomination Maintenance, Nomination Quantities By Cycle, and Scheduled Quantities screens
- For contracts with primary point capacity at zone points, this feature generates a detailed report outlining all locations on the contract behind the designated zone point, along with the associated MDQ values for each



TMS Tool:

MDQ Usage & Usage Detail Buttons



MDQ Usage

Gas Day: 09/02/2025 Cycle: Intraday 3

	MARKET
CONTRACTED	5,000
USED	4,936
(+) REMAINING / (-) EXCEEDED	64

Note: Excludes nominated overrun quantities

Usage Detail

- The MDQ Usage button, located within the grid form of the Nomination Maintenance screen for firm contracts, generates a summary report that displays the total MDQ nominated for the selected gas day and cycle, along with the remaining available MDQ on the contract

Usage Detail

Gas Day: 09/02/2025 Cycle: Intraday 3

REC LOC > DEL LOC [AREA]	MARKET: 5,000	
	USED	(+) REMAINING / (-) EXCEEDED
78623>3077 [MARKET]	1,623	3,377
78623>54227 [MARKET]	56	3,321
78623>3044 [MARKET]	120	3,201
78623>60228 [MARKET]	3,137	64

Total 4,936 64

Note: Excludes nominated overrun quantities

Back

- The Usage Detail button – accessible within the MDQ Usage modal – produces a more granular report that itemizes the individual nominations contributing to the contract's MDQ utilization

TMS Tool: Firm Contract Usage Summary Report

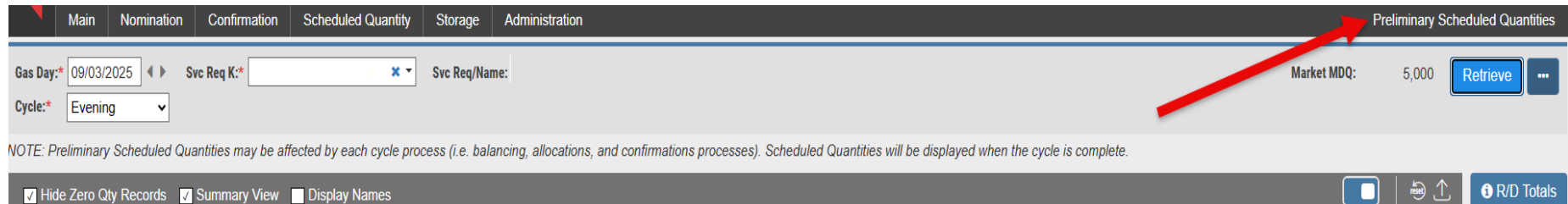


- The Firm Contract Usage Summary Report offers a singular, detailed view of MDQ and FDQ usage across all the user's firm contracts for a specified gas day and cycle

The screenshot displays the TMS tool interface for Northern Natural Gas Company. The header bar shows the company name and a navigation menu with tabs: Main, Nomination (selected), Confirmation, Scheduled Quantity, Storage, and Administration. A dropdown menu is open under the Nomination tab, listing several options: Nomination Maintenance, Nomination Copy, Nomination Quantities By Cycle, Nomination Reconciliation, Final A.M. Nomination List, Zone Percentages, and Reports. The 'Firm Contract Usage Summary' option is highlighted with a red border. In the background, a map of the central United States is visible, showing state boundaries and a network of gas pipelines. The map includes labels for Minnesota (MN), Wisconsin (WI), Iowa (IA), Illinois (IL), Missouri (MO), Kansas (KS), and Nebraska (NE). A 'DEMARCATON' line is also indicated on the map.

TMS Tool:

Preliminary Scheduled Quantities In Real Time



The screenshot displays the TMS Tool interface with the following elements:

- Navigation Bar:** Main, Nomination, Confirmation, Scheduled Quantity, Storage, Administration. The 'Preliminary Scheduled Quantities' tab is highlighted in the top right corner, indicated by a red arrow.
- Form Fields:**
 - Gas Day*: 09/03/2025
 - Svc Req K*: [Dropdown menu]
 - Svc Req/Name: [Text field]
 - Market MDQ: 5,000
 - Retrieve button
 - More options button (three dots)
- Cycle Selection:** Cycle*: Evening (dropdown menu)
- NOTE:** Preliminary Scheduled Quantities may be affected by each cycle process (i.e. balancing, allocations, and confirmations processes). Scheduled Quantities will be displayed when the cycle is complete.
- Footer Bar:**
 - Hide Zero Qty Records (checked)
 - Summary View (checked)
 - Display Names (unchecked)
 - Refresh button (circular arrow)
 - Up arrow button
 - R/D Totals button (with information icon)

- Once a nomination cycle's balancing process is complete – after the nomination deadline – users can view preliminary scheduled quantities in real time on the Scheduled Quantities screen, enabling them to track nomination status prior to cycle completion

TMS Tool: Mobile Version Available



Welcome to the Northern Natural Gas business application portal.

Contract Management System (CMS) [view]



The Contract Management System allows Shippers to request transportation service online, track their requests from entry to activation and creates the contract documentation. CMS interfaces with CAS, CRS, GAS & TMS for shipper billing and nominations.

Capacity Release System (CRS) [view]



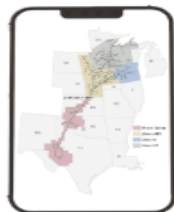
The Capacity Release System allows Northern shippers to release their firm transportation or storage capacity to other shippers (third party) according to the current North American Energy Standards Board (NAESB) guidelines.

Throughput Management System (TMS) [view]



The Throughput Management System (TMS) business application allows shippers to nominate transportation activity on Northern. TMS accepts shipper nominations, performs gas confirmation and scheduling functions for Northern Natural Gas.

Throughput Management System (TMS Mobile) [view]



This is the mobile version of the Throughput Management System (TMS) business application, designed to offer an improved user experience for those accessing TMS from a mobile device.

Notification and Security Administration System [view]

This system allows customers and other interested parties to alert to

- Northern implemented a separate standalone mobile interface for the TMS application to provide an enhanced user experience for individuals accessing the system via mobile devices, such as smartphones or tablets

