

Throughput Management System (TMS) User Manual





Throughput Management System (TMS) User Manual

Overview
Quick Tips
Main Menu
Dashboard7
Cycle Process Status
EDI Processing10
EDI Processing - Summaries11
EDI Processing - Nomination Contracts13
EDI Processing - Confirmation Locations14
Nominations Menu
Nomination Maintenance
Nomination Copy27
Nomination Quantities by Cycle 28
Nomination Reconciliation
Final A.M. Nomination List
Zone Percentages
Nomination Quantities by Cycle Report31
Confirmations Menu
Confirmation Maintenance 32
Confirmation Summary
Location Reconciliation
Late Nomination Notification
Scheduled Quantity Menu
Scheduled Quantities
Scheduled Quantities Month to Date
Scheduled Quantities By Service Requester
Scheduled Quantities By Operator
Scheduled Quantities Report (for Svc. Req, Operator or Meter Bounce Activity)
Service Requester Scheduled Quantity Report
Requesting Adjustments to Scheduled Volumes41



Storage Menu	
Storage Contract Balance	
Storage Netting Activity	
Storage Netting Maintenance	
Storage Information	
Contract Storage Balance by Day Report	
Imbalance To Storage Monthly Control Report	
Storage Balances By Day Report	



Overview

Northern Natural Gas Company (Northern) has updated the Throughput Management System (TMS) from a Smalltalk application to a Java (web-based) application. TMS is the main application customers use to nominate, confirm, and schedule quantities on Northern's pipeline. The basic functionality and makeup is similar to the previous TMS version in order to remain consistent when conducting business on Northern; however, new features and enhancements have been included.

A summary of new features and enhancements are listed below.

New features

- Predictive Select functionality is offered for location, service requester/operator and contract fields. The previous five selected values will automatically be displayed.
- Redesigned grouping, sorting, and column filtering feature
- Redesigned nomination copy feature with the ability to copy all nominations or select specific nominations
- Newly added or edited nominations will appear in blue text, then change to black when submitted
- New function for Nomination Reconciliation that provides the user the ability to access Nomination Maintenance to add, change or delete a nomination
- New hyperlink feature within the Cycle Process Status screen to allow the user to quickly view the capacity constraint notice(s) for the selected Gas Day/cycle
- Ability to select **All (view only)** to view all the nominations at once when the user enters an aggregated pooling contract

Enhancements

- User can view preliminary scheduled quantities during each cycle process: balancing, allocations and confirmations
- Enhanced Reduction Reason Detail screen that will allow a user to view reductions on its contracts after each process: balancing, allocations, and confirmations
- Two storage netting screens: one to setup storage netting and one to view storage netting activity
- Redesigned view for EDI processing
- Single screen to view storage contract balances
- New inbox feature to view current TMS notification(s)
- New Dashboard screen that includes several helpful hyperlinks to external webpages
- Eighteen months of history will be viewable (previously twelve months)

Additional detailed descriptions of the new features and enhancements can be reviewed below in Quick Tips.



Quick Tips

- To open more than one session of TMS:
 - Click on the **Menu** item
 - Right click on the desired destination
 - Click "Open in New Tab"
- TMS will automatically logout inactive users after two hours; to prevent this, a user can open a tab for **Cycle Process Status**, which automatically refreshes every 30 seconds resulting in your session remaining active
- All fields with a **red** asterisk ******" are required fields
- New nomination paths are blue in color; nomination paths will change to black once submitted
- When entering a Svc Req K, TMS displays the previous five contracts that have been used
- If a user wants to have two different contracts open at the same time
 - Select Nominations, Nomination Maintenance, right click and select **Open in New Tab**
- In the Cycle Process Status screen, a blue hyperlink indicates either Throughput or Storage was allocated. Select the hyperlink to access the non-critical notice for the selected cycle allocation.
- **Envelope** button in the upper right portion of each screen displays the number of active messages (e.g. timeline extension) that Northern has distributed. The number in **red** reflects the number of unread messages.
- **Reset** button, which appears on each screen, allows a user to revert visual changes made to a screen (e.g., grouping, sorting, width of a column) back to the original state.
- **Export** button, which appears on each screen, allows a user to export the data on the screen as a CSV or Excel file.
- **SBS** button: Select to see the storage balancing contract and the associated transport contract. If a user does not have SBS, this button will not appear.
- - **Ellipsis option,** located to the right of the **Retrieve** button, allows a user to open related screens associated to the underlying screen.
 - Using on the Nomination Maintenance screen, allows a user to select:
 - **Open New** to open nomination maintenance
 - **Open NomQ** to open nominated quantities by cycle screen
 - **Open SchQ** to open scheduled quantities screen
 - **Open NomR** to open the nomination reconciliation screen
- Collapse button collapses a portion of the screen



- **Expand** button expands the previously collapsed portion of a screen
- Information button select to open the location detail information
- Select to open the corresponding upstream or downstream contract
- Up K Column Header Menu. This provides the user with several options:
 - Select = to pin (move) or auto size a column(s)
 - Select **T** to choose filtering options
 - \circ Select \blacksquare to choose what column(s) appear. To filter out unwanted columns uncheck the box.
- To group data within a grid, user can simply grab and drag a column header to the row above the header where **[Drag here to set row groups]** is displayed.



- When grouping:
 - Select ■ to the left of group to see records for just that group
 - Hover over the column heading, select **Expand All** to see all records
- Upon selecting a grid row for a contract there are additional buttons within the grid entry (PRIMARY REC LOCS, PRIMARY DEL LOCS, EPSQ, RATES, R/D TOTALS and MDQ USAGE). Once selected a new screen will launch with additional information.

Grid Entry Form button: Users may choose information to be displayed in the grid entry form by selecting this button. Click on the button to disable the grid entry form. Click again and the form will open.

• Use the "Tab" key to navigate through the value fields within the grid entry form.



Main Menu

Dashboard

- This is the Throughput Management System (TMS) home page.
- To return to this screen from another location within TMS, select **Main** and then **Dashboard**.

	TMS TS	SP/NAME: 7841	58214 NORTHEF	RN NATURAL GAS COM	IPANY		
	Main	Nomination	Confirmation	Scheduled Quantity	Storage	Administration	
Gas Day:	Dashb	oard	Req K:*				
Cycle:*	Cycle	Process Status					
	EDI Pr	rocessing					

- **Dashboard** contains multiple external links. Each external link will open a new browser window and includes the following links:
 - Operational Information
 - Allocation of Capacity Overview, At a Glance, Operationally Available Capacity and Operationally Available Capacity Map
 - Business Applications
 - Business Application Portal, Flow Gas Reports and Operational Data Interchange (ODI)
 - Supporting Information
 - Agreements/Forms, Contact Us, Tariff and Training Materials
 - Billing Information
 - Invoicing and Imbalance Resolution/Trading Dates and Monthly Index Prices

Velcome to Northern's Throughput Manage	ement System (TMS)	
	External Links	
	Operational Information	
Thete	Allocation of Capacity Overview	
The second se	At a Glance	
NZ LEL	Operationally. Available: Capacity	
The second se	Operationally Available: Capacity Map	
a second a s	Business Applications	
and and and	Business Applications Portal	
the second se	Flowing Gas Reports	
AN A	Operational Data Interchange (ODD)	
	Supporting Information	
a start	Agreements/Forms	
	Contact Us	
	Lauff	
	Training Materials	
	Billing Information	
	Invoicing and Imbalance Resolution/Trading Dates	
	Monthly Index Price	



_								0	(iii)
	TMS T	SP/NAME: 78	158214 NORTHE	RN NATURAL GAS CON	MPANY			(*)	& D
	Main	Nomination	Confirmation	Scheduled Quantity	Storage	Administration		<u> </u>	Nomination Maintenance
Gas Day	• 01/14/	2020 .	Svc Req K:*	•					Retrieve

The envelope in the upper right portion of the screen (message icon) shows all active messages (e.g., timeline extension) that Northern sends out. The number in **red** reflects the number of unread messages. The message icon will appear on each screen in TMS.

Once the user clicks on the new message(s), the number in red on the message icon disappears.

Message Inbox	(\otimes
Inbox			Message	
Effective Date/Time	End Date/Time	Subject		
01/14/2020 8:41 AM	01/14/2020 10:02 AM	Intraday 1 Cycle Nomination Deadline Extensi		
01/14/2020 8:35 AM	01/14/2020 10:01 AM	Intraday 1 Cycle Nomination Deadline Extensi		
			Click a row to view message	
		>		2

Cvcle Process Status

- This screen provides the user a view of the processed cycles for a given gas day and replaces the Batch Schedule Status. Three successive gas days (prior, current, and next day) will be displayed. The cycles identify which process has completed or is currently processing.
- To view this screen, select **Main** and then **Cycle Process Status**.

🗢 🕞
Dashboard



- When Throughput or Storage is allocated, the user can select the hyperlink in **blue** located within each cycle that will take you to the non-critical notice for that cycle to see the point(s) or group(s) that were allocated.
- This screen will automatically refresh every 30 seconds.

Main Nomination	Confirmation S	Scheduled Quantity	Storage	1000 (1000 (1						Cycle P	Process St Retrie
No. 7	_	_	_	_	_	_	-	_	_		÷
as Day: 02/18/2019				Gas Day: 02/19/2019				Gas Day: 02/20/2019			
Cycle	Start Date/Time	End Date/Time		Cycle	Start Date/Time	End Date/Time		Cycle	Start Date/Time	End Date/Time	
Fimely Cycle				Timely Cycle			~	Timely Cycle			
Cycle Started	02/17/2019 12:00 AM	02/17/2019 1:25 PM	~	Cycle Started	02/18/2019 12:00 AM	02/18/2019 1:25 PM	~	Cycle Started	02/19/2019 12:00 AM	02/19/2019 1:25 PM	
Balancing Completed	02/17/2019 12:00 AM	02/17/2019 1:31 PM		Balancing Completed	02/18/2019 12:00 AM	02/18/2019 1:30 PM		Balancing Completed	02/19/2019 12:00 AM	02/19/2019 1:30 PM	
Throughput Allocated	02/17/2019 12:00 AM	02/17/2019 1:58 PM		Throughout Allocated	02/18/2019 12:00 AM	02/18/2019 2:05 PM		Throughput Allocated	02/19/2019 12:00 AM	02/19/2019 1.57 PM	
Confirmations Completed	02/17/2019 12:00 AM	02/17/2019 4:38 PM		Confirmations Completed	02/18/2019 12:00 AM	02/18/2019 4:37 PM		Confirmations Completed	02/19/2019 12:00 AM	02/19/2019 4:37 PM	
Storage All-scated (Withdrawal)	02/17/2019 12:00 AM	02/17/2019 4:51 PM		Storage Allocated (Withdrawal)	02/18/2019 12:00 AM	02/18/2019 4:51 PM		Distage Allocated (Withstewal)	02/19/2019 12:00 AM	02/19/2019 4 46 PM	
Cycle Completed	02/17/2019 12:00 AM	02/17/2019 4:52 PM		Cycle Completed	02/18/2019 12:00 AM	02/18/2019 4:52 PM		Cycle Completed	02/19/2019 12:00 AM	02/19/2019 4:47 PM	
Notifications Completed	02/17/2019 12:00 AM	02/17/2019 4:56 PM		Notifications Completed	02/18/2019 12:00 AM	02/18/2019 4:56 PM		Notifications Completed	02/19/2019 12:00 AM	02/19/2019 4:52 PM	
vening Cycle				Evening Cycle				Evening Cycle			
Cycle Started	02/17/2019 12:00 AM	02/17/2019 6-25 PM		Cycle Started	02/18/2019 12:00 AM	02/18/2019 6:25 PM		Cycle Started	02/19/2019 12:00 AM	02/19/2019 6:25 PM	
Balancing Completed	02/17/2019 12:00 AM	02/17/2019 6:30 PM		Balancing Completed	02/18/2019 12:00 AM	02/18/2019 6/29 PM		Balancing Completed	02/19/2019 12:00 AM	02/19/2019 6:29 PM	
Throughput Not Allocated	02/17/2019 12:00 AM	02/17/2019 6:38 PM		Throughout Not Allocated	02/18/2019 12:00 AM	02/18/2019 6:33 PM		Throughput Not Allocated	02/19/2019 12:00 AM	02/19/2019 6:55 PM	
Storage Allocated (Withdows)	02/17/2019 12:00 AM	02/17/2019 6:45 PM		Storage Aliscated (Withdrawal)	02/18/2019 12:00 AM	02/18/2019 6:38 PM		Storage Allocated (Withdrawal)	02/19/2019 12:00 AM	02/19/2019 6:38 PM	
Confirmations Completed	02/17/2019 12:00 AM	02/17/2019 8.41 PM		Confirmations Completed	02/18/2019 12:00 AM	02/18/2019 8:40 PM		Confirmations Completed	02/19/2019 12:00 AM	02/19/2019 8:40 PM	
Cycle Completed	02/17/2019 12:00 AM	02/17/2019 8:42 PM		Cycle Completed	02/18/2019 12:00 AM	02/18/2019 5:41 PM		Cycle Completed	02/19/2019 12:00 AM	02/19/2019 8-41 PM	
Notifications Completed	02/17/2019 12:00 AM	02/17/2019 8.46 PM		Notifications Completed	02/18/2019 12:00 AM	02/18/2019 8:45 PM		Notifications Completed	02/19/2019 12:00 AM	02/19/2019 8.45 PM	
Ion-Grid A.M. Cycle				Non-Grid A.M. Cycle				Non-Grid A.M. Cycle			
Cycle Started	02/18/2019 12:00 AM	02/18/2019 7:25 AM		Cycle Started	02/19/2019 12:00 AM	02/19/2019 7:25 AM		Cycle Staned	02/20/2019 12:00 AM	02/20/2019 7:25 AM	
Balancing Completed	02/18/2019 12:00 AM	02/18/2019 7:31 AM		Balancing Completed	02/19/2019 12:00 AM	02/19/2019 7:32 AM		Balancing Completed	02/20/2019 12:00 AM	02/20/2019 7:51 AM	
Throughput Not Allocated	02/18/2019 12:00 AM	02/18/2019 7:35 AM		Throughput Not Allocated	02/19/2019 12:00 AM	02/19/2019 7:45 AM		Throughput Not Allocated	02/20/2019 12:00 AM	02/20/2019 7:35 AM	
Storage Allocated (Withdrawal)	02/18/2019 12:00 AM	02/18/2019 7.42 AM		Storage Allocated (Withdrawal)	02/19/2019 12:00 AM	02/19/2019 7:52 AM		Gaurage Allocated (Withdrawal)	02/20/2019 12:00 AM	02/20/2019 7:40 AM	
Confirmations Completed	02/18/2019 12:00 AM	02/18/2019 8:10 AM		Confirmations Completed	02/19/2019 12:00 AM	02/19/2019 8:10 AM		Confirmations Completed	02/20/2019 12:00 AM	02/20/2019 8:10 AM	
Dycle Completed	02/18/2019 12:00 AM	02/18/2019 8:11 AM		Cycle Completed	02/19/2019 12:00 AM	02/19/2019 8:11 AM		Cycle Completed	02/20/2019 12:00 AM	02/20/2019 8:11 AM	
Notifications Completed	02/18/2019 12:00 AM	02/18/2019 8:15 AM		Notifications Completed	02/19/2019 12:00 AM	02/19/2019 8:16 AM		Notifications Completed	02/20/2019 12:00 AM	02/20/2019 8 17 AM	
ntraday 1 Cycle				Intraday 1 Cycle				Intraday 1 Cycle			
Cycle Started	02/16/2019 12:00 AM	02/18/2019 10:35.		Cycle Started	02/19/2019 12:00 AM	02/19/2019 10:25		Cycle Staned	02/20/2019 12:00 AM	02/20/2019 10:25	
Balancing Completed	02/18/2019 12:00 AM	02/18/2019 10:44.		Balancing Completed	02/19/2019 12:00 AM	02/19/2019 10:34		Balancing Completed	02/20/2019 12:00 AM	02/20/2019 10:34_	
Throughput Not Allocated	02/18/2019 12:00 AM	02/18/2019 10:53		Throughout Allocated	02/19/2019 12:00 AM	02/19/2019 10:48		Throughput first wildcared	02/20/2019 12:00 AM	02/20/2019 10:44	
Storage Allocated (Withdrawell	02/18/2019 12:00 AM	02/18/2019 11:00.		Storage Allocated (Withdrawal)	02/19/2019 12:00 AM	02/19/2019 10:58		Chorage Allocated (Withdrawal)	02/20/2019 12:00 AM	02/20/2019 10:50	
Confirmations Completed	02/18/2019 12:00 AM	02/18/2019 12:42		Confirmations Completed	02/19/2019 12:00 AM	02/19/2019 12:42		Confirmations Completing	02/20/2019 12:00 AM	02/20/2019 12:42	
				Curla Complanat	02/15/0010 12:00 144			Corla Completed	10/10/2010 10:00 AM		



EDI Processing

- This screen allows the user to view summary and detail information for EDI files within a date range.
- To view this screen, select **Main** and then **EDI Processing**.

-	TMS TSP/NAME. 7841	58214 NORTHERN NATURAL GAS COM	IPANY						8	Welcome: Vickie Wonder	- 🖨 E+
	Main	Confirmation Scheduled Quantity	Storage								Dashboard
	Dashboard Cycle Process Status	ne to Northern's	Through	put Ma	anageme	ent Syst	tem (T	MS)			
	EDI Processing							External Link Operational Information	(S		
			Min	Wid	6 and a			Allocation of Gapacity Overview			
			2	titer 1	11 3			AL a. Glance			
			S. Ca	the second second	111 Barrielle			Operationally Available Capacity			

- There are three sections to view: Summaries, Nomination Contracts and Confirmation Locations.
- Files with time stamps within the **Submit Date Range** will be displayed in the results, irrespective of the gas day; up to one month of data can be viewed at a time.
- **Retrieve button** updates all three sections.
- Collapse a section by selecting **[1]**; expand by selecting **[1]**

TMS TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY Storage	🖨 🕞 EDI Processing
Wain Vommation Continuation Screeolied Quantity Storage Summaries Nomination Contracts Confirmation Locations Submit Date Range:* 1/93/02/2020 4 > 03/03/2020 4 >	
Submit Date Range Vold22020 V USUG2020 V	Retrieve
Nomination Files Clear	- <u>^</u> (%
Implement to set row groups Time Stamp ¹ ↑ TP ID TP Name ² ↓ Process Status Tm Stat Nomination Qck Rsp	
Time Stamp ¹ ↑ TP ID TP Name ² ↓ Process Status Tsn Stat Nomination Qek Rsp	
No records to display.	
la l	
LS,	
Confirmation Files Clear	- <u>1</u>
Bit Drag here to set row groups ROCF Time Stam ¹ ↑ Conf Req ² ↓ Conf Req Name Conf Pty Name Process Status Beg Date End Date Cycle Request Conf Conf Ock Rsp	Conf Qck Rsp
	com dox rop
No records to display.	
Let a set	



EDI Processing – Summaries

Nomination-related files are displayed on the upper half of the screen; confirmation-related files are displayed on the lower half of the screen.

Nomination Files:

omination Files		Clear								9Î
Time Stamp 3 +	TP ID	TP Name 2 4	Process Status	Tes Stat	Numination	Qck Rsp				
1/18/2020 2:36:54 PM	125456789	ABC SHEPPER COMPANY	Complete	WQ	NUET	NMOR				
/18/2020 2:16:11 PM	123456709	ABC SHIPPER COMPANY	Conclete	17	NMIST	NMOR				
18/2020 2:16:13 PM	123456789	ABC SHIPPER COMPANY	Rejected	#2	NMST					
18/2020 2:06:46 PM	125456789	ABC SHIPPER COMPANY	Complete	W0	NMET	NMOR				
18/2020 1:52:02 PM	987987987	ABC SHIPPER AGENT	Complete	9W	NUET	NMQR				
18/2020 1:41:04 PM	987987987	ABC SHIPPER AGENT	Complete	82	NMIST	NMOR				

*Each header-level reference number within a file is a separate "transaction"

Field	Usage
Quick Filter	Enter text or numbers to filter the displayed results
Time Stamp	The value assigned at the time the file was delivered to the Northern EDI hub
TP ID	Trading Partner DUNS for the sender of the file
TP Name	Trading Partner Name
Process Status	Processing Complete Rejected
Txn Stat	Transaction Status* WQ = the entire transaction was accepted EZ = errors and/or warnings occurred in the transaction RZ = the entire transaction was rejected due to header level errors
Nomination (hyperlink)	Shown in red if the entire file rejected (the most common cause is structural problems) Clicking the hyperlink will display the file data in a separate browser tab
Qck Rsp (hyperlink)	Shown in red if the response contains any error codes Clicking the hyperlink will display the file data in a separate browser tab



Confirmation Files:

TMS TSP/NA	WE: 784158214	NORTHERN NATURAL	GAS COMPANY									=		କି
Main Nom	ination Cor	firmation Scheduled	Quantity Stora	{	n :									EDI Proce
mmaries Nominati	on Contracts	Confirmation Locations	Submit Del	le Range:* 01/	18/2020 4 > E	nd Date:* 01/18/2020	\leftrightarrow							Retr
lomination Files		Clear												ə 1
0 Displayed active pu	apil													
Time Stamp ¹ +	TP ID	TP Name 2 4	Process Status	Tun Stat	Nomination	Ock Rsp								
1/18/2020 2:36:54 PM	123456789	ABC SHEPPER COMPANY	Complete	WQ	NMST	NMQR								
/18/2020 2:16:11 PM	123456789	ABC SHEPPER COMPANY	Complete	12	NMST	NMQR								
/18/2020 2:15:13 PM	123456789	ADC SHIPPER COMPANY	Rejected	RZ	NMST									
18/2020 2:06:46 PM	123456789	ABC SHIPPER COMPANY	Complete	WO	NMST	NMOR								
18/2020 1.52.02 PM	987987987	ABC SHIPPER AGENT	Complete	WQ	NMST	NMQR								
18/2020 1 41 64 PM	987987987	ABC SHIPPER AGENT	Complete	FZ -	NMST	NMOR								
onfirmation Files	- CPU	Glear											_	91
RQCF Time Stamp	Cord Req	Cont Reg 1	tame 1	Conf Pty		Coof Pty Name	Process Status	Beg Date	End Date	Cycle	Request Conf	Conf Qok Rup	Coof Rup	Conf
1/18/2020 2:58:48 PM	123456789	ABC SHIPPER COMPAN	α r	784158214	Northern Natural Gas		Complete	01/18/2020	01/18/2020	Intraday 2	ROCF	CROF	RRFC	-
1/18/2020 2:58:48 PM	123456789	ABC SHIPPER COMPAN		784158214	Northern Natural Gas		Complete	01/18/2020	01/18/2020	Introdey 2	ROCE	0909	RRFC	

Field	Usage
Quick Filter	Enter text or numbers to filter the displayed results
RQCF Time Stamp	The value assigned at the time the file was delivered to the Northern EDI hub
Conf Req	Confirmation Requester: Trading Partner DUNS for the sender of the file
Conf Req Name	Confirmation Requester Name
Conf Pty	Confirming Party
Conf Pty Name	Confirming Party Name
Process Status	Processing
	Complete
	Rejected
Beg Date	Beginning Gas Day
End Date	Ending Gas Day
Cycle	The first-available scheduling cycle for the Gas Day
Request Conf (hyperlink)	Request for Confirmation: Shown in red if the entire file rejected (the most common cause is structural problems)
	Clicking the hyperlink will display the file data in a separate browser tab
Conf Qck Rsp	Confirmation Quick Response: Contains errors or warnings for the
(hyperlink)	Request for Confirmation.
	Shown in red if the response contains any error codes
	Clicking the hyperlink will display the file data in a separate browser tab
Conf Rep (hyporlink)	
Conf Rsp (hyperlink)	Confirmation Reponse: contains confirmation quantities and any associated reduction reason codes
Conf Qck Rsp	Confirmation Response Quick Response: contains any errors or warnings for the Confirmation Response



EDI Processing – Nomination Contracts

Each contract within each nomination file is displayed in the **View Contracts** section.

mination - View Contr	racts	C	lear									
Drag here to set the groups		1					T MARKS T					
Time Stamp 🕈	Svc Req	Sve Reg Name	Svo Req K	Beg Date	End Date	Cycle	MMQR Detail	-				
	123456789	ABC SHIPPER COMPANY	136664	01/18/2020	01/18/2020	Introdey 2	None					
	123456789	ABC SHIPPER COMPANY ABC SHIPPER COMPANY	136666	01/18/2020 91/18/2020	01/18/2020	Introday 2 Introday 2	Comp De la	3				
	123456789	ABC SHIPPER COMPANY	136566	01/18/2020	01/18/2020	intraday 2	None	1				
/18/2020 2:06:46 PM	123456789	ABC SHIPPER COMPANY	136566	01/18/2020	01/18/2020	intradey 2	None					
	907907907	ABC SHIPPER AGENT	126666	01/22/2020	01/31/2020	Timely	None					
	987987987	ALC SHIPPER COMPANY	136664	01/22/2020	01/31/2020	Timely	Error					
	087037987	ABC SHIPPER AGENT	136666	01/22/2020	01/01/2020	Timely	Error					
1/18/2020 1:41:04 PM	987987997	ABC SHIPPER COMPANY	136667	01/22/2020	01/31/2020	Timely	Warning					
		Clear										

- **Time Stamp** shows the file time stamp, which corresponds to the same value from the Summaries area.
- **Svc Req** shows the Contract's Service Requester DUNS.
- **NMQR Detail** column shows error/warning status for each contract. Values include 'None', 'Warning', or 'Error'.
- Selecting a row whose NMQR Detail is 'Warning' or 'Error' will display corresponding code and message in the Error Detail section.
 - If Nom Trk ID is blank, the detail shown is contract-level.
 - When Nom Trk ID exists, the detail shown pertains to a specific line item
 - A line item may have more than one row of detail.



EDI Processing – Confirmation Locations

Each location within each confirmation file is displayed in the **View Locations** section.

ofirmations – View L	and the second se		Clear										
Disghere to ket ine gro	RRFC Time Stang 2 +	Conf Reg	Conf Reg Name	Conf Pty		Conf Ptv Name	Les ³ 4	Beg Date	End Date ⁴ 4	Cycle	CROR Detail	(BRFC Cuts)	CROR Detail
/18/2020 2 58 48 PM	01/16/2020 3 25 01 PM	123456789	ABC SHIPPER COMPANY	784158214	Northern Natural Gas	Count Life leases	79453	01/18/2020	01/18/2020	Introday 2	None	N	Cathe Deca
18/2020 2:58:48 PM	01/17/2020 9:40:23 AM	123456789	ABC SHIPPER COMPANY ABC SHIPPER COMPANY	764158214 784158214	Northern Natural Gas		79489	01/18/2020	01/18/2020	Introday 2 Introday 2	None	-	
18/2020 2:58:48 PM	01/17/2020 9:40:22 AM	123456789	ABC SHIPPER COMPANY ABC SHIPPER COMPANY	764158214	Northern Natural Gas		79439	01/18/2020	01/18/2020	Intradey 2	None	N	
18/2020 2:58:48 PM	01/17/2020 9:40:22 AM	123456789	ASC SHEPPER COMPANY	7641580114	Northern Natural Cas		79690	01/16/2020	01/16/2020	Introductory 2	ALC: NO	(NA)	
18/2020 2:58:48 PM	01/16/2020 3:04:19 PM	123456709	ABC SHEPPER COMPANY	784158214	Northern Natural Gas		79489	01/18/2020	01/18/2020	Intraday 2	None	N	
18/2020 2 58 48 PM	01/16/2020 3:04 13 PM	123456789	ABC SHEPPER COMPANY	764158214	Northern Natural Gas		29490	01/18/2020	01/18/2020	Intraday 2	Time	NA	

- **RQCF Time Stamp** shows the file time stamp, which corresponds to the same value from the Summaries area.
- **RRFC Time Stamp** shows the time Northern generated the confirmation response file.
- The first instance of the column **CRQR Detail** shows error/warning status for each location in the request for confirmation. Values include 'None', 'Warning', or 'Error'.
- **RRFC Cuts:**
 - Displays 'Y' if the confirmation response contains reduction reason codes
 - 'N' if there are no reduction reason codes
 - 'NA' if no confirmation response was generated due to errors forall confirmation line items for the location (or location-level error).
- The right-most instance of CRQR Detail shows any errors or warning messages that correspond to the confirmation response. Values include 'None', 'Warning', 'Error', or blank. Not all trading partners send this file.
- Selecting a row will display all applicable error/warning or reduction reason detail in the **Error Detail** section.
 - If Conf Trk ID is blank, the detail shown is location-level.
 - When Conf Trk ID exists, the detail shown pertains to a specific line item
 - A line item may have more than one row of detail.



Nominations Menu

Nomination Maintenance

 This screen allows a user to enter a nomination that identifies the amount of gas a service requester expects to transport on the pipeline, subject to the terms and conditions of the contract under which the service is being requested.
 To enter a nomination, select Nominations from the Main menu or Dashboard and then

Nomination Maintenance.

• Enter a **Gas Day**. Click in the field to access the calendar or use the two arrows to select previous gas day or next gas day. TMS defaults to the current gas day.



- Enter a **Svc Req K**. TMS displays the previous five contracts the user has retrieved.
- User can also do an Advanced Search.
- Select Retrieve.

	TMS T	SP/NAME: 784	158214 NORTHEF	IN NATURAL GAS COL	MPANY					⊜
	Main	Nomination	Confirmation	Scheduled Quantity	Storage					Nomination Maintenance
Gas Day	* 01/16/	2020 + + (5	re Reg K: 136664	Advanced Search						Retneve
			delotted							
			136664 ABC SH6	IT/TI PPER COMPANY						
			Search in	eu/te						

- The **Nomination Maintenance** screen appears to input the nomination.
- Select **Add New** to input a new record.

	MS TSP/NAME	and been adopted														=			\$ B
	Aain Nominal	tion Confin	mation Sc	heduled Quantit	y Storage													Nomination M	laintenance
Gas Day:*	01/16/2020 4 •	Svc Req K:	136664 (IT/1	Ti) 🗙	X2000000	ame: 12345676 ne: 98798798		PER COMPANY PER AGENT	(Retrie	ave
į.) ∋⊥	Add New	Сору	Submit
11 Dagiter	The set of second second						1					1		1. 220.9					
Cycle	Beg Date 2 +	End Date	Rec Loc 4	Up ID	ир к	Rec Qty	Rec Rank	Del Loc	De ID	Do K	Del Oly	Del Rank	Pilig 10	Fuel Qiy	π	Proc Right	Receipt Time	Source	Nom Trik ID
									No records t	io display.									



 \otimes

- TMS | TSPINAME: 784158214 NORTHERN NATURAL GAS COMPANY Main Nomination Confirmation Scheduled Quantity Storage Gas Day:* 01/16/2020 4 > Svc Req K:* 136684 (IT/TI) Svc Reg/Name: 123456789 ABC SHIPPER COMPANY Agent/Name: 987987987 ABC SHIPPER AGENT RECEIPT PATHED DELIVERY Q x 🗉 Beg Date: 01/16/2020 4 > Q×D Rec Loc:* 1318 Del Loc:* 192 Pkg ID: 123 Rec Loc Name: TBPL/NNG BEATRICE End Date:* 01/31/2020 4 > Del Loc Name: NBPL/NNG VENTURA Nom Trk ID: Q. No 🗸 Up K:* Do K:** RF0010 Q× Proc Right: TT/Desc:* 01 - Cur Bus 🗸 123123123 Up ID:* Dn IO:* Fuel Qty: Up Name: Dn Name: 0 Rec Qty:" 5000 Rec Rank: 1 Del Qty:" Del Rank: 1 Add No
- When the grid entry form opens enter the data and select Add. •

The new record will be **blue** in color.

					Agent/Nan	ne: 98798798	7 ABC SHIF	PPER AGENT		-	-	-		-) ə土	Add New	Retrie	Subn
Drag tere Cycle	to set may groups Beg Date ² +	End Date	RecLos 4	Up ID	Up K.	Rec Qty	Ret Rank	Del Loo	De ID	De K	Del Oby	Del Rank	Pig D	Fuel Qfy	π	Proc Right	Receipt Time	Source	ļ
ely)	81716/2020	01/31/2020	1318	11111111		K,om	1	192	123123123	HFCO18	4,949	7	123	51	(T)	No	01/15/2020 7.55 A.,	Online	

 Optime
 Bang Date 2
 End Bang
 Bang Date 2
 End Bang
 Date (b)
 Page (b)



>

 When user selects Submit, the new record in blue changes to black. The record has now been saved.

	01/16/2020 4 >				Agent/Nam	we: 96798798	7 ABC SHIP	PER AGENT		_	_	_	_	_) ə1	Add New	Retric	Subr
Drag free	e ha iet in- groups							a	6 - 1					2 1			//www.linew	Copy	
iyole	Beg Date ² 4	End Dute	Rec Loc 4	Up 10	Шр К	Rec Oty	Rec Rank	Del Loc	De ID	Dn K	Del Qty	Del Rank	Pilig ID	Fuel Qty	Π	Proc Right	Receipt Time	Source	1

- To add or change a record, highlight the record, the grid entry form opens so the user can make changes and select **Add** or **Change**.
- If Add is selected and then a user decides not to add the record, the user may select the circled **x** on the right-hand side, which will close the grid entry form and take the user back to the nomination.
- To delete a record, highlight the record. When the grid entry form opens, select **Delete**.

	01/16/2020	01/31/2020	1318	mmm	mmm	5,000	Rec Rank	192	129123129	HEFEDOTO	8ei Qiy 4,949	Del Rank	123	Fuel Qty	a or	Proc Right	01/15/2020 7:50 A.	Online	-
	01/16/2020 4					1318		< RECEI	PT MAD	Del Loc:*	192				EPSQ RA	TES (R/D TO	TALS		C
	01/31/2020 4				Rec Loc.* Rec Loc Name:	A TANK STONE	BEATRICE	QX		Del Loc Name:	NBPL/NNG V		Q×		Nom Trk ID;	123		-12	
		~			Up K:*	1111111		Q,		Dn K:**	RF0010		Q×		Proc Right:	No 🗸			
Desc.	01 - Cur Bus	Ŷ			Up ID:* Up Name:	1111111	1			Dn ID;* Dn Name:	123123123				Fuel Qty:	51			
					Rec Qty:*	5000	Rec Rank	: 1		Del Qty:*	4949	Del Rank: 1					Add Chi	ange D	Delete

<



 The new record added or changed is in **blue** and then changes to **black** once user selects Submit.

	MS TSP/NAME Main Nominat															-	N	lomination M	aintenance
Gas Day:*	01/16/2020 4 >	Svc Req K:*	136664 (IT/TI)	×	- 000,270	ame: 12345678 ne: 98798798		PPER COMPAN	IY_									Retrie	we
																1 ÷ 1	Add New	Сору	Submit
Cycle	Beg Date 2 4	End Date	Rec Loc 4	Up ID	Up K	Rec Qty	Rec Rank	Del Loc	De IO	On K	Del Qty	Del Rank	Pkg ID	Foel Qty	π	Proc Right	Receipt Time	Source	Non Trk I
Timely Timely	01/16/2020	01/01/2020	1318	111111111 111111111	111111111	5,000	1	192 3077	129123123	RF0010 136666	4,949	1	123	51	01	No	01/15/2020 7.50 A 01/15/2020 8.57 A	Online Online	1000

- If a pooling contract (MPS) with multiple locations is enter, user can select **All (view only)** from the **Pool** field.
- Select Retrieve.





- The screen populates with the nominated records.
- The **Group** column shows **37654-NNG FIELD/MKT DEMARCATION-16B (6)** and reflects there are six records at location 37654.
- Select the plus sign to the left of **37654** to see the six records.

Main Nomination	158214 NORTI Confirmatio	THE REAL PROPERTY AND INCOMENTS		8.//80.81											2		Nomination	🖨 🕒 Maintenance
Gas Day:* 01/16/2020		662 (SP/MPS view only)) ×-]	~			C SHIPPER CON C SHIPPER AGE									Re	trieve
															1 -	Add New	Сору	Submit
II Pool Loc Name × Group ST654-NNG FIELD/MKT DEMARCATH		Cycle Be	g Date ³ 4	End Date	Rec Loc 2	a Up ID	Up K	Rec Qty 35,500	Red Rank	Del Loc	Dn ID	De X	Del Qty 36,500	Dei Rank	Pkg ID	Fuel Qfy	π	Receipt Time
<					_			35,500					35,500					>

• Six records are displayed.

Orcyce Deck Beg Davit ³ End Date Rec. 62 Op (II) Bpt (III) Rec. 02	Pool Loc Name ×														±€	Add New	Сору	Submi
31%54-M0G FELDANT DEMARCATION 148 (6) Timely 01/14/2020 01/31/31/30/30/30/30/30/30/30/30/30/30/30/30/30/		Cycle	Beg Date ³ 4	End Date	Rec Loc 2 4	Up 10	Ир К	Rec (Ity	Rec Rank	Dei Loc	0e 10	De K	Del Qty	Del Rank	Pkg ID	Fuel	π	Receipt T
Timely 01/14/2020 01/01/2020<	37654-NNG FIELD/MKT DEMARCATION -168 (6)	5												10000				
Timely 01/14/2020 01/21/2020 37654 123456789 136666 13,500 500 769 06 01/15/202 Timely 01/14/2020 01/21/2020 37654 123465789 136666 13,500 500 769 06 01/15/202 Timely 01/14/2020 01/21/2020 37654 122465789 13666 12,300 123 06 01/15/202 Timely 01/14/2020 01/21/2020 37654 122465789 136666 10,500 1 08 01/15/202 Timely 01/14/2020 01/51/2020 37654 122465789 13600 1 08 01/15/202 Timely 01/14/2020 01/51/2020 37654 122465789 13600 1 08 01/15/202 Timely 01/14/2020 01/51/2020 37654 122465789 12600 2 678 08 01/15/202		Timely	01/16/2020	01/31/2020						37654	123456789	156666	20,000	2	516478		06	01/15/202
Timely 01/14/2020 37644 1284/64789 1366/4 5,000 528 06 01/16/20 Timely 01/16/2020 01/17/2020 3766/4 1244/6789 1366/6 15.00 1 08 01/16/20 Timely 01/16/2020 01/17/2020 3766/4 1246/6789 1566/0 1 08 01/16/20 Timely 01/16/2020 01/17/2020 3766/4 1246/6789 1566/0 1 08 01/16/20 Timely 01/16/2020 01/17/2020 3766/4 1246/6789 1566/0 1 08 01/16/20 Timely 01/16/2020		Timely	01/16/2020	01/31/2020						37654	123456789	136667	5,000	1	54333		08	01/15/200
Timely 01/16/2020 01/21/2020 37654 126464/199 105/00 1 08 01/15/202 Timely 01/16/2020 01/21/2020 37654 1264667 20,000 2 676 08 01/15/202		Timely	01/16/2020	01/31/2020						37654	123456789	136666	10,500	500	789		08	01/15/200
Temely 01/14/2020 01/31/2020 33654 123458789 156567 20,000 2 678 08 01/15/20		Timely	01/16/2020	01/31/2020	37654	123456709	136664	5,000	500						123		06	01/15/200
		Timely	01/16/2020	01/31/2020	37654	123456789	136666	10,500	1								08	01/15/202
Tanai 27664-INING FIRED.MIRT DEMARCATION B1,500 B1,500		Timely	01/16/2020	01/31/2020	37654	123456789	136667	20,000	2						678		08	01/15/202
	Total 37654-NNG FIELD/MRT DEMARCATION							35,500					35,500					



- If a receipt record on the pooling contract is highlighted, the grid entry form opens, and the RECEIPT field is highlighted. If a delivery record on the pooling contract is highlighted, the DELIVERY field is highlighted.
- When the EPSQ and R/D TOTALS buttons are selected, a modal window will be launched showing additional information.

TMS TSP/NAME: 7841582 Main Nomination C		NATURAL GAS Scheduled Quant														Nomination	⇔ ⊡ Maintenance
Gas Day.* 01/16/2020 + Svc Re Pool:*	q K-+ 138662 (S All (view o			✓ Ag			C SHIPPER COI C SHIPPER AGI									Ret	neve -
														1.€	Add New	Сору	Submit
E Pool Loc Name ×	Cycle	Beg Date ³ 4	End Date	Rec Loc 2 4	Up 10	Up K	Rec Qty	Rec Ravk	Del Loc	De ID	On K	Del Qty	Del Rank	Pkg ID	Fuel Qty	π	Receipt Tir
37654-ING FIELD/MRT DEMARCATION-168	(6) Tamely Tamely Tamely Tamely	01/16/2020 01/16/2020 01/16/2020 01/16/2020	01/31/2020 01/31/2020 01/31/2020 01/31/2020	37654	125456789	136664		500	37654 37654 37654	123456789 123456789 123456789	136666 136667 136666	20,000 6,000 10,500	1	516478 54333 789		08 08 08	01/15/2020 1 01/15/2020 1 01/15/2020 1 01/15/2020 1
Beg Date: 01/16/2020 End Date: 01/31/2020 TT/Dese: 08 - Pool			Rec Loc: Rec Loc Name Up K: Up ID: Up Name: Rec Qty:	136664 C	D/MKT DEMAR			DELIVE	RY >			Pk No Pri	ug ID: om Trk ID: oc Right: el Qty:	123	Add Ch	ange	⊗ Delete

- If a transportation contract is entered and a record highlighted, the grid entry form opens, and the **PATHED** field is highlighted.
- When the PRIMARY REC LOCS, PRIMARY DEL LOCS, EPSQ, RATES, R/D TOTALS and MDQ USAGES buttons are selected, a modal window will be launched, and additional information displayed.
- MDQ USAGES will only appear on firm transportation contracts.

cie Be		End Date	Rec Loc ¹ +	Up 10	Up K	Rec Oty	Rec Rank	Del Loc 3124	Dn ID	Dn K	Del Qty	Del Rank	Pkg 10	Fael Oty	π 5 01	Proc Right	Receipt Time	Source	
d Date:" 01	1/16/2020 4 ¥ 1/31/2020 4 ¥				Rec Loc." Rec Loc Name: Up K." Up ID." Up Name: Rec Oty."	37654 : NNG FIELD 136664 12345678			TT CEAL	Del Loc:* Del Loc:* Del Loc Name: Dn K:* Dn ID:* Dn Name: Del Qty:*	3124 20NE D-WISC ABC 152698536 495	ONSIN P&L	Q X	IL LOCS	Pikg ID: Nom Trk ID: Proc Right: Fuel Qty:	258 258 No ~ 5	Add Ch		elete



- If a storage contract is entered and a receipt record highlighted, the grid entry form opens, and the **RECEIPT** field is highlighted. If a delivery record is highlighted, the **DELIVERY** field is highlighted.
- The PRIMARY REC LOCS, PRIMARY DEL LOCS, EPSQ, RATES, R/D TOTALS and FDQ USAGES buttons when selected will launch a new window with additional information.

	4S TSP/NAME Iain Nomina			NATURAL Scheduled															omination Ma	e E
	1/16/2020 4		136665 (x •	Svc Req/Na			PER COMPAN PER AGENT	Y								njection: 60	7.6	ve
																	- € (Add New	Сору	Sübmi
Cycle	Beg Date 2 +	End Date 01/31/2020	Rec Loc	142	lip 10 456789	Uр К 136666	Rec Qty	Ruc Rank	Del Loc	De 10	De K	Del Qty	Del Rank	Pkg ID	Fuel Qty	π %	Proc Right	Receipt Time	Source Online	
214	01/16/2020				<	PRIMARY REC			Q x D	PATHE	D DELIVI	RY >				EPOQ) (FDC Pkg ID:	DUSAGE][RATE	S) (RVD TOTALS		8
End Date: TT/Desc:*	01/31/2020 06 - Stor Inje					Rec Loc Name: Up K:* Up ID:*	OGDEN DEF 136666 123456789		Q×						1	Nom Trk ID: Proc Right: Fuel Qty:	No 🗸			
						Up Name: Rec Qty:*	ABC SHIPP 300	ER COMPAN Rec Rani										Add Cha	nge De	lete

- Select the button to the right of the **Rec Loc** and **Del Loc** fields to open the location detail information.
- Select the button to the right of the Up K or Dn K fields to open the upstream or downstream contract.

	IS TSP/NAME:																		a [
M	ain Nominat	ion Confim	nation S	theduled Quan	tity Storage												,	Nomination M	faintenand
s Day:* 0	1/16/2020 4 >	Svc Req K.ª	136666 (FT	/TF) x		me: 12345678 e: 98798798		PER COMPANY PER AGENT	¢.							farket MDQ:	75,0	00 Retri	eve -
] ə1	Add New	Сору	Subm
Cycle	Beg Date 2 4	End Date	Rec Loc 1	i Up ID	Up K	Rec Qty	Rec Rank	Dei Loc	Dn ID	De K	Del Qty	Dei Rank	Pkg 10	Foel Oby	π	Proc Right	Receipt Time	Source	Hic Trik
innely	01/16/2020	p1/31/2020	37864	123456789	135664	500	1	3124	152698536	ASC	495	1	258		5 01	No	01/16/2020 9:39 A.	Coline	
					PRIMARY RE	CLOCE		· RECEI	PT PAT	DELIVE	RY .		PRIMARY	DELLOCS	[1950] [MOQ USAGE) [R	ATES] (ROD TOTALS	0)	\otimes
Beg Date:*	01/16/2020	< > .			Rec Loc:*	37654		Q X	>	Del Loc:*	3124		a x D		Pkg ID:	258		1.	
End Date:"	01/31/2020	4.5			Rec Loc Name	NNG FIELD	/MKT DEMA	RCATION -168		Del Loc Name:	ZONE D-WIS	CONSIN P&L			Nom Trk ID				
	÷				Up K:*	136664		Qx)	Dn K:*	ABC		Q×		Proc Right:	No 🗸			
TT/Desc:*	01 - Cur Bus	v			Up ID:*	12345678	9 () () ()			Dn ID:*	152698536				Fuel Qty:	5			
					Up Name:	ABC SHIPP	ER COMPAN	IY .		Dn Name:									
					Rec Qty:"	500	Rec Ran	ki 1		Del Qty:*	495	Del Rank:	1			1	Add Chi	inge D	Delete

 When a record is highlighted, the grid entry form opens, which allows the user to add, change or delete a record. If user wants to highlight a record without the grid entry form

opening, click on **Level**. Click on this button again and the grid entry form will open.

- Each column heading has a column menu option which appears when a user hovers its mouse in the column heading. Options to filter the grid data include:
 - Select to move or auto size the column or auto size all columns.



- Select **I** to filter the grid data.
- Select [■] to hide or show columns. To hide a column, uncheck the box.
- To group, left click and hold on to the column heading you want to group by and then drag the mouse upwards to the grid grouping row. An example is grouping by Up K - hover your mouse over the Up K column, left click and hold, then drag the mouse upwards. Above the column headings to the left of the screen the grouping selection will be shown -

III Up K × . In this example, the six records have been grouped by **Up K**.

Select the '+' or plus sign to the left of 37654-NNG FIELD/MKT DEMARCATION-16B
 (6) to see the record grouping.

TMS TSP/NAME 7 Main Nominatio	and a second state of the	111111111111111111111111111111111111111		and the second											3		Nomination Main	🖨 🕞 tenance
Gas Day:* 01/16/2020 4 >	Svc Req K:* Pool:*	136662 (SP/lv All (view only)				t/Name: 9879	56789 ABC SHI 87967 ABC SHI										Retrieve	
_	_														9 £	Add New	Copy	Submil
E Pool Loo Name × Group Do54-NNG FIELD/MKT DEMARCH		Cycle	Beg Date ² 4	End Date	Rec Loc 3	4 Up ID	Rec Qfy 35,500	Rec Rank	Del Loc 4 +	De 1D	En K	Del Oly 35,500	Del Rank	Ping ID	Fuel Oty	π	Receipt Time	5
<u> </u>																		
<							35,500	i				35,500			-			>
Gas Day: 01/16/2020		Total Re	ceipt Qty: 35,50	0	Total	Delivery Qty: 3	5,500	To	tal Fuel Qty: 0									

- Here is the record grouping by **Up K**.
- To view all the grouped records, select each individual plus sign.
- All the grouped records can be viewed by clicking on the in the **Group** column heading and selecting **Expand All**. Select **Collapse All** to collapse the records.

TM	S TSP/NAME	784158214 N	ORTHERN N	ATURAL GAS C	OMPANY											3			🗢 D
M	ain Nornin	ation Confirm	nation Sc	heduled Quantity	y Storage													Nomination I	Maintenance
Gas Day:* 01	1/16/2020 4		136662 (SP All (view only		•]	~ Ag		23456789 ABC 87987987 ABC										Retr	iove
																1÷1	Add New	Сору	Submit
19 H Pool	Loc Name X 🚽	Ш∪рк×		1 14			1 72.1							1 220				n 20-0	
Group	Cycle	Beg Date →	End Date	Rec Loc 2 +	Up ID	Rec Qty	Rec Rank	Del Loc	On ID	De K	Bei Qty	Del Rank	Pikg ID	Fuel Qty	π	Receipt Time	Source	Norz Trk ID	Creat By
······································											35,500								
* 1						5,000 10,500													
+1						20,000													
+ 1_ Total_						35,500					35,500								



Main Nomin	E 784158214 N ation Confirm		eduled Quanfith												-		Nomination N	÷.
Main Normans	alion Conter	nation Scr	equiea Quantity	y Storage	<u>Ч</u>											ý.	vomination N	ытепатк
Day:* 01/16/2020 4	▶ Svc Req K:*	136662 (SP/	MPS) 🗙 🕇	-	Svo	Reg/Name: 12	3456789 ABC	SHIPPER CON	IPANY								Retri	eve -
	Pool:*	All (view only)		V Age		7987987 ABC	SHIPPER AGE	NT									
															101	Add New	Сору	Subm
	* III Up K *																	
Pool Lac Name *		End Date	Rec Loo 2 &	Up 10	Rec Oly	Rec Kank	Del Loc	Dn ID	De K	Dei Qty	Del Rask	Pkg ID	Fuel Qty	π	Receipt Time	Source	Nom Trik ID	
Pin Column	, Jolumn	End Date	Rec Loc 2 +	Up 10	Rec Oly	Rack Karik	Del Loc	Dn ID	De K	Del Qty 35,500	Del Rank	Pkg ID	Fuel Qty	π	Receipt Time	Source	Nom Trit ID	
Transferrence		End Date	Rec Loc ² &	1	Rec Oly 5,000 10,500	Roc Rank	Dei Loc				Dei Rank	Pkg ID	Fool Oly	π	Receipt Time	Source	Nom Trik ID	

• Now all the grouped records can be viewed.

II Pool Loo Name × → III Up K						_					_				d New	Copy Sut	NT)
Group	8. Cycle	Beg Date ² 4	End Date	Recloc 4	Up ID	Rec Oly	Ret Kank	Del Loc 4	Dm ID	Dn K	Del Oly	Del Ratk	Pkg ID	Fuel Oty	π	Receipt Time	
37654-NNG FIELD/MKT DEMARCATION -168							Kang		-			Kata		dià	-		-
= (3)	. (
	Timely	01/16/2020	01/31/2020					37654	123456789	136666	20,000	2	516478		08	01/15/2020 9:10 A.	
	Timely	01/16/2020	01/31/2020					37654	123456789	136667	5,000	1	54333		06	01/15/2020 9:10 A.	
	Timely	01/16/2020	01/31/2020					37654	123456789	136666	10,500	500	789		08	01/15/2020 9:09 A.	
Total											35,500						
136664 (1)																	
	Timely	01/16/2020	01/31/2020	37654	123456789	5,000	500						123		06	01/15/2020 9:05 A_	
Total 136664						5,000											
136666 (1)																	
	Timely	01/16/2020	01/31/2020	37654	125456789	10,500	1								06	01/15/2020 9:06 A	
Total 136666						10,500											
136667 (1)																	
	Timely	01/16/2020	01/31/2020	37654	123456789		2						678		08.	01/15/2020 9:07 A	
Total 136667						20,000											
Total 37654-NNG FIELD/MKT DEMARCATIO	N-165					35,500					35,500						

Every column in the grid can be sorted by clicking in the column heading. The Nomination Maintenance screen has a default sort. For transportation and storage contracts, the default sort is the Rec Loc column first (1) and the Beg Date column second (2). For pooling contracts, the default sort is the Pool column first (1), the Rec Loc column second (2) and the Beg Date third (3).

		NAME 784158214 ornination Con	ANOAR CONTRACTOR	NATURAL GAS Scheduled Quan	And the second second	R												Nomination I	aintenanci
Ges Day:*	01/16/2020	O () Syc Req) Pool:*	C= 136662 (S All (view of			~	Svc Reg/Name: Agent/Name:											Retr	ieve
-	_	_	_	_	_	_		_	_	_	_		_			-	and the second se	20	-
The Oran Ive	10 Mil 10 Mil 20		_	\bigcirc) Ə	Add New	Сору	Submit
	Cycle	Beg Date 3	End Date	Rec Los ² 4	Up ID	Up K	Rec Oly	Rec. Rank	Dei Los	De ID	De K	Del Qty	Dei Rank	Ping ID	Forl) — Э п	Add New Receipt Time	Copy Source	Submit Nom Trik ID
6.2			End Date 01/31/2020	Rec Los ² 4	up to	ир к	Rec Oty	Roc Rank	Del Loc 37654	Dn ID 123456789	Do X 136666	Del Qty 20,000	Dei Rank 2	Pkg ID 516478	1				
Pool	Cycle	Beg Data 3		Rector ² 4	up to	Up K	Rec Ofy	Rec. Rank					Bei Rank 2 1		1	π	Receipt Time	Source	



- To sort on multiple columns, hold the **Ctrl** button down on the keyboard and proceed to click in each column heading to include in the sort.
- A number will appear in each column heading to indicate the order of your multi-column sort. For example, if you wanted to add the Cycle column as the fourth (4) sort and the Up K as the fifth (5) sort, hold the Ctrl button down and click in the Cycle column and then click in the Up K column.

TMS)	TSP/NAME 7	94158214 N	ORTHERN NA	TURAL GAS CO	MPANY										-			
Main	Nomination	n Confin	nation Sch	eduled Quantity	Storage											1	Nomination I	Maintenance
Gas Day:" 01/16	5/2020 4 ¥		136662 (SP/N All (view only)			✓ Agent/Name	ne: 123456789 Al : 987987987 Al										Retr	ieve
		-		_	_	SBS	_	_	-	-	_	-	-		əî	Add New	Сору	Submit
1 Post Los Group * 37654-	4	pate ³ +	End Date	Rec Los 2 +	Up 10 U	Rec Qt	Rec Ratk	Del Loc	Din ID	Dn K	Del Qty 35,500	Del Rank	Pkg ID	Fuel Oty	π	Receipt Time	Source	Nom Trk ID

• Select the **SBS** button to see the storage contract and the associated transportation contract. If a user does not have SBS, this button will not appear.

Barg bars Les of ore great Storage Databaland up der Vice Storage Databaland up der Vice	es Day:*	01/16/2020 4 >	Svc Req K:* Pool:*	136662 (SP/M NNG FIELD/M				nullame:	123456789 ABC 5 987987987 ABC 5										Retri	eve
Bing Bins 2 Link Date Name State						Storage Ba	lancing Service			8) st	Add New	Сору	Subm
Prefix Bing Bufs Fail Disk Disk Disk Disk Disk Disk Disk Preg B	Dispher				-	Rank	Stor K	Loc	Assoc				100		1. 223				1 27.7	11 102
W) 01/16/2020 01/13/1020 134646 10,000 2 516/1% 06 01/15/2020 1% A. Online C.C. W) 01/16/2020 11/31/2020 11/3462 11/36/2021 1% A. Online C.C. C.C. 11/36/2021 1% A. Online C.C. C.C. C.C. C.C. 11/36/2021 1% A. Online C.C.	Cycle	Beg Data 4	End Date	Rec Loc 4	Up 1D	1					De K	Del Qly	Rank	Pkg ID	Qty	π	Receipt Time	Source	Nom Trk ID	0
Ny 01/16/2020 01/16/2020 9769 08 01/16/2020 999 Å. Online CS V 01/16/2020 971/16/202 97646 1250 500 769 08 01/16/2020 999 Å. Online CS V 01/16/2020 971/16/2020 971/16/2020 971/16/2020 999 Å. Online CS 123 08 01/16/2020 999 Å. Online CS 05 01/16/2020 999 Å. Online CS 01/16/2020 999 Å. Online CS 05 01/16/2020 999 Å. Online CS 01/16/2020 999 Å. 01/16/2020 999 Å. Online CS 01/16/2020 999 Å. 01/16/2020 999 Å. 01/16/2020 999 Å. 01/16/2020 999 Å. <t< td=""><td>W:</td><td>01/16/2020</td><td>01/31/2020</td><td></td><td></td><td></td><td>consider (no. e)</td><td></td><td>Interview (interview)</td><td>789</td><td>136666</td><td>20,000</td><td>2</td><td>516478</td><td></td><td>08</td><td>01/15/2020 9:10 A.</td><td>Online</td><td></td><td>CSRU</td></t<>	W:	01/16/2020	01/31/2020				consider (no. e)		Interview (interview)	789	136666	20,000	2	516478		08	01/15/2020 9:10 A.	Online		CSRU
y 8///k/2020 0//j1/2020 37/654 123/65/7 y 8//k/2020 0//j1/2020 37/654 123/65/79 136666 18,500 1 12 08 0//15/2020 964 A. Online CS																				CSRU
y 01/16/2020 01/31/2020 37654 123468/769 136666 10,500 1 08 01/15/2020 906 A. Online CS										189	136666	10,500	500							CSRU
						-		112						123						CSRU
W 0//14/2020 0//31/0200 37464 123464379 1296667 20,000 2 0//14/2020 107 A. Online C																				CSR

- If the Ellipsis button, (three dots to the right of Retrieve), is selected, the user will be able to select:
 - **Open New** to open nomination maintenance.
 - **Open NomQ** to open nominated quantities by cycle screen.
 - **Open NomR** to open the nomination reconciliation screen.
 - **Open SchQ** to open scheduled quantities screen.



• If the width of a column is changed or a column is moved to another location, the user can

select the **Reset** button to put the columns back to their original state. The **Reset** button will appear on each screen.

If the Export button is selected, the data on the screen will be exported as a CSV or Excel file. The Export button will appear on each screen.

Optime Optim Optim Optim <th>ias Day:*</th> <th>1ain Nominat</th> <th>Svc Req K:*</th> <th>nation Sche 136662 (SP/M NNG FIELD/M</th> <th>duled Quantity PS) X •</th> <th>y Storage</th> <th>Sve</th> <th>nt/Name: 9</th> <th>23456789 ABC 87987987 ABC</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Add New</th> <th>Komination Mai Retriev Open New Open Nor Open Nor Open Nor Open Sch</th> <th></th>	ias Day:*	1ain Nominat	Svc Req K:*	nation Sche 136662 (SP/M NNG FIELD/M	duled Quantity PS) X •	y Storage	Sve	nt/Name: 9	23456789 ABC 87987987 ABC									Add New	Komination Mai Retriev Open New Open Nor Open Nor Open Nor Open Sch	
mm ⁴ 01/14/2020 01/17/2020 01/71/2020 01/7			End Date	Berley	10.00	IN F	Bar Obr	Rec	Dellor	Devill	Der	BallOfre	Del	Pho ID	Foel	TT	Receipt Your	Enerte	Nom	Creat
men of 01/16/2020 01/17/2020 15 17 17/2020 15 17 17/2020 15 17 17/2020 15 17 17/2020 15 17 10/2020 15 10/20				HIRE LOS &	op w	opn	net ory	Rank							Qty				Trk ID	BY
mm 01/16/2020 01/17/20203 01/16/2020 <td></td>																				
mmy 01/16/2020 01/07/2020 376.44 1724/0749 156.44 150.05 0.00 172 08 01/16/2020 50.1. 056.44 150.05 0.00 <td></td> <td>CSRUser</td>																				CSRUser
mey 0/18/2020 0/13/2020 3/54 12/26279 15666 1350 1 090 2 974 090 2 974 090 2 974 090 2 975 0 975	limely			37654	123456789	126564	5.000	500		120400107		10,000								CSRUser
mely 01/16/2020 01/31/2020 37654 122556794 356677 20,002 2 676 06 01/16/2020 38774. 0694 0585 35500 25,500	Imely																			CSRUser
35.00 35,900								2						676						CSRUser
35,500 35,500																				
	¢						35,500					35,500								>

To copy a nomination, select **Copy**.

	Main Nomina 01/16/2020 4 P				-		O ADC SUIE	PPER COMPANY							-			Nomination Ma	-7
s Day:- [01/10/2020	SAC Wed W.	130004 (11711)	-		ame: 12345678 ne: 98798798												Retrie	ve
							174000111	T ETC/TOPETT											
] Ə 1	Add New	Сору	Sub
Dreg free	The set over groups																	-	
rcie	Beg Date 2 4	End Date	Rec Loc 4	Up ID	Up K	Rec Qty	Rec Rank	Dei Loc	Dn ID	De K	Del Qty	Del Rank	Pkg 10	Fuel Oty	Π	Proc Right	Receipt Time	Source	
Y:	01/16/2020	01/31/2020	1318	111111111	111111111	5,000	1	192	123123123	RF0010	4,949	1	123	51	01	No	01/15/2020 7.50 A.	Online	
Y	01/16/2020 01/16/2020	01/31/2020	1318 37654	111111111 123456789	1111111111	10,000	1	3077 3124	123123123	136666 ABC	9,898	1	456 258	102	01	No No	01/15/2020 8:52 A 01/15/2020 9:34 A	Online	
							- 01		1000	1775		1		2					



• Enter the desired gas day to copy in the **From Gas Day** field and select **Retrieve**.



• Enter the **Beg Date** and **End Date** to copy and select **Add**.

												222	1		_				9 Î	Add
1		Ор К	Rec	Rec Qty	Reo Rank	Reo Rank		Del Loc	Den 10	De K	Del Qty	Del Rank	Pkg ID	Fuel Qiy	Π	Proc Right	Receipt Time	Source	Nom Trik ID	Creat By
		11111111		5,000 10.000			192 3077		123123123	RF0010. 136666	4,549 9,698		123 456			N0 No	01/15/2020 7:50 A_ 01/15/2020 8:52 A_	Online		CSRUM
	124	136666		1,000									250			No	01/16/2020 9:34 A	Online		CSRU
				10,000							9,098									

- The copied nomination (e.g., February 1 29, 2020) will appear. User can now make changes to the records and then select **Submit** to save the changes.
- Note: The blue records are considered new records until user selects Submit. The records change to black after they have been saved.

							Valid nominatio	ina were copied	for the specific	ed date range.								-
Day:* 02/01	2020 4 > Svc Req K:*	136664 (IT/TI)	×		ame: 12345678 Me: 98798798		PER COMPAN	Ŷ									Rotrie	9WB
															1 Ə 1	Add New	Сору	Sub
praghere to eet	2 Date 4 End Date	Rec Loc 4	Up ID	Шр К	Rec Oty	Rac Rank	Del Loc	Dm 1D	Dn K	Del Qty	Del Rank	Pkg ID	Fuel Oty	π	Proc Right	Receipt Time	Source	
4	2/01/2025 2/01/2025 2/01/2025 2/01/2020 2/01/2020 2/01/2020	1318 1318 37656	111111111 1111151111 123456788	111111111 111111511 134466	10,000 5,000 1,000	1	3077 192 3124	129123129	136666 RF0010 ADC	9,098 4,949 990	1	456 123 258	102 51		No No No	01/15/2020 2:53 P. 01/15/2020 2:53 P. 01/15/2020 2:53 P.	Online Online Online	
	\sim																	



Nomination Copy

- This screen allows a user to copy a contract's nominations from a specified date to a specified date range. The process will only copy paths with valid upstream and downstream contract numbers for the dates selected.
- To copy a nomination, select **Nominations** and then **Nomination Copy**.
- User will have the option to select one individual record or multiple records to copy.
- Enter the gas day to copy from the From Gas Day field and enter the Svc Req K. Select Retrieve.

TMS TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY		🖨 E
Main Nomination Confirmation Scheduled Quantity Stor	age	Nomination Copy
	Net Reg/Name: 123456789 ABC SHIPPER COMPANY Agent/Name: 987987987 ABC SHIPPER AGENT	Retneve

• Enter the **Beg Date** and **End Date** you want to copy to and select **Add**.



- The copied nominations (e.g., February 1 29, 2020) will appear. User can now make changes to the records and then select **Submit** to save the changes.
- Note: The blue records are considered new records and have not been saved until user selects Submit. The saved records will then change to black.

																			÷.
	Main Nominati	on Confirm	ation	cheduled Quar	tity Storage												45	Nomination 1	faintenance
							0												
hay:*	02/01/2020 4 >	Svc Reg K.*	136664 ([]	/TI) 3	Svc Reg/N	ame: 12345678	9 ABC SHIP	PER COMPANY	1									Retr	eve
uay.						ne: 98798798												THOID .	010
usy.										_	_	_	_	_) əî	Add New	Сору	Subm
3.1	e 10 set nor groupe													_) ə±	Add New		
ing he		End Bala		+ up 10					De ID	De K	Del Qty	Del Rank	Pig B	Fael Oty	Π) 🕀 🛧	Add New		
ing the	e to set new prose		Rec Loc 1	T an	Agent/Nar	ne: 96798798	7 ABC SHIP	PER AGENT		De K 13666	Del Qty 5,030	Del Rank †	Pkg 15 456	Fael Oty 102	π			Copy	Subri
31	e to set yes prope Beg Date 2 4	- BARRA	Rec Loc 1	4 Up 10	Agent/Nar	ne: 98798798 Rec Oly	7 ABC SHIP	PER AGENT	De 10		1.	Del Rank 1			π	Proc Right	Receipt Time	Copy Source Online	_



Nomination Quantities by Cycle

• This report provides nomination data for one or more contracts by gas day and cycle with the ability to export as a PDF file.

Main	Nomination	Confirmation	Scheduled	Quantity	Storage										Nom	ination Quantiti	es By Cycle
s Day:* 04/01 cle:* Intrada		Svc Req K:* 1369	73 (IT/TI)	× •	Svc Req/Nam	w: 999999999	9 ABC ENEF	RGY SERVIC	ES							Retri	ieve
				_								_			(material)	-	PERIOD NEWS
Z Hide Zero N	Nom Qty Recor	ds												2		ə 1 🚺	R/D Total
	ren ground i	dis Lijp K Ree C	y Bo	t De	el Loc	Dn ID	Dn K	Del Oty	Del Rank	Pkg 10	Foel Qty	π	Prec. Right	Receipt Time	Source	Hom Trk ID	R/D Total Creat

• A user can access the **Nomination Maintenance** screen in order to add, change or delete a nomination.





- 1. Select **Open New** to open a separate tab.
- 2. Select **Open NomM** to open nomination maintenance for the selected contract.
- 3. Select **Open NomR** to view the nomination reconciliation screen.
- 4. Select **Open SchQ** to view the scheduled quantity screen.

Nomination Reconciliation

- This screen allows the user to view and filter nomination mismatches, scheduling mismatches and confirmation mismatches.
- To view the Nomination Reconciliation screen, select **Nominations** and then **Nomination Reconciliation**.



as Day:* 04/0	1/2020 4 >	Cycle:* Intr	aday 2 🖂 View By:*	Svc Req Prop	~ 14716	à	× ~ Svc Req.	Name: 99999999	99 ABC ENERG	' SERVICES					Retrieve
FILTERS >	View Type: All	Nominations	V Loc Type:	All Locations		c Req K Type:	All Contracts	∽ Svo	Reg/Name: All	Entities					
🛃 Hide Zero	Nom Qty Reco	xrds											÷ 1	Open N	lomM G
E. Disgberation	et rive groups														
Svc Req K +	Rate Sch	Loc 2 4	Loc Name	K Flo 3	Nom Qty	Up/Dn K 4	Up/Dn ID	Up/Dn K Nom Qty	Nom Diff	Conf Qty	Conf Diff	Sched Qty	Sched Diff	Svc Req	Nom
36973	n	192	NBPL/NNG VENTURA	R	100	555555	666666666				100			999999999	Standa
36973	π	1318	TBPL/NNG BEATRICE	D	99	111111111	111111111				99			999999999	Standa

Final A.M. Nomination List

- The Final 8:00 A.M. process is designed for users to true up actual usage using storage service or to redirect quantities from one delivery location to another. The Final A.M. Nomination List screen displays the user's contract changes and enables the user to view and verify nomination changes and check for any INV (invalid) Reason Codes and/or Up, Down or Both codes in the Out of Balance column that need to be corrected.
- To view this screen, select **Nominations** and then **Final A.M. Nomination List**.
- The default sort is **Sum By Svc Req K**.
- If a record has an RR code INV, it will also have a Comment associated with the INV. In the Out of Balance column, the system will show associated nominations and display in red UP (upstream) or DOWN (downstream) or BOTH (upstream and downstream).
- In the screen print below, the transportation contract No. 136664 has an RR code INV and the Comment is Qty Change at Loc 197. This is an invalid nomination due to a nomination change at an interconnect location. The associated contract is storage contract No. 136663, which displays UP in the Out of Balance column. This indicates which lines to reference for the invalid nomination when UP is displayed.

	TMS (T	SP/NAME	784158	14 NORTHEF	RN NAT	URAL	GAS CO	MPANY																		e 1
	Main	Nomina	tion C	onfirmation	Sche	duled	Quantity	Storage																	Final A	M. Nomination Lis
Gas Day:'	03/02/	2020 4	- DB	nulate External	User:																					Retrieve
🔽 Sun	n By Svo	: Reg K	Show	Invalid Noms	Only	s	how Asso	ciated Noms																		ə 1
Num Data Tima	Res(*)	Sec Fag K	Set Rep	Agent/ See Bay Name	See Type	π	RecLoc	Auc Lot News	ay K	Rum Ruc Oty	Sched Rec Oy	Adj Rec. Oty	Rac Rask	Del Lor	Del Los Rasse	Det	nen	Rom Bel Oy	Sched Sel Oty	A4 Del Du	Dul Ratik	Bat Org Dhamps	Out of Relaters	0	Commer	Updated By
11/27/28		136683	4.0000	ARC SHEPPERA	0	06	62389	DEMARC DEF.	120064	10,000	0		500					0	0				- 10-			heviadm
Tetal 11/27/22 Tetal		(31664	121456.	ABC SHIPPER A.	π	.41	107	NGPL/NND GLE	11111111	10,000	0	-	500	(1111)	DEMARC DEF	136663		10,000	0		500			W	Qy Change at Loc 197	v testadet
1/27/28		130644	123456.	ABC SHIPPER A.	er.	- 85	42389	DEMARC DEF	120465	76,000	0		300	234	NICOR BAST DU.	1111111		990	0		500			1917	Ony Change at Loc 234	testadm.
Total 1/27/20 Total		130663	123456.	ABC SHIPPER A.	10	.87				1,000	. 0			62389	DEMARC DEF.~	130064		990 1,000 1,000	0		500		DOWN			terate
1/27/28.		536666	123456	ARC DAPPERA.	17	- 61	192	MPL/NRLVEN.	11111111-	10.000			500	3026	ZONE EF CENTE	11111111		8.208	0		500.					- testadm
01/27/29		136666	123456	ADD SHIPPER A.	FT .	- 61	192	NBPL/NN9 VER.	1111111_	0	0		500	3038	20N5 E/F NSP	11111111		0	0		500					teenadm
21/27/28		130668	123456.	ABC SHIPPER A.	FT.	101	192	ABPL/NND VEN.	11111111	10.000	15,000		500	1050	ZONE E/F NSP-	11111111		5 2 3 8	4,292		500					148433
Total											10,000								9,898							
Total	•0	536666	123456	ABC SHIPPERA.	FT .	(81.)	62399	DEMARC DEF	136665	100	0		500	98	ODDEN DEF. DE.	130865			0		500		80154			testaite
TOTAL										. 100																

 In the screen print below, the transportation contract No. 136664 has an RR code INV and the Comment is Qty Change at Loc 234. The receipt point is POI 62389 (Demarc Deferred Delivery) referencing contract No. 136665. The associated contract is storage contract No. 136665 which displays DOWN in the Out of Balance column.



	TMS 1	SP/NAME	784158	214 NORTHE	RN NAT	IURAL	GAS CO	MPANY																		ê (
<u> </u>	Main	Nomina	tion (Confirmation	Sche	eduled	Quantity	Storage																	Final A	M. Nomination Lis
Gas Day:*	03/02	2020 4 1		mulate External	User:																					Retrieve
🔽 Sun	n By Sv	: Req K	Show	Invalid Noms	Only		ihow Asso	cialed Noms																		93
Bom Date/Time	New(*)	Sec Bag K	Dec Reg	Agent/ See Roy Kame	See Type	π	Rector	Rac Lot Maine	Up K	Rea Dy	School Res Chr	Al Bel Dy	Rec.	Delter	Del Les Name	Do K	ne 0	-	Schell Sol Dy	Al Sel Dy	Del Rest	Bet Dry Change	Out of Balance		Comment	Updated By
1/27/26.		130663	123436.	ABC DIPPERA.	10	08	62385	DEMARC DEF ~.	136664	10.305	0		300					0	4				UP .			tertadm
Total 1/27/20		130464	121456	ARC SHIPPER A.	1.00	. 81	197	NOPLINIS GLE		10,000	1.4		522	42344	DEMARE DEF	120303		10.000			500			INV.	Oty Change at Loc 197	testadro
Total							-		-									10,000								
1/27/20., Total 1/27/20., Total		130064	123454	ABC SHIPPERA.	1.00	61	12388	DEMARC SEF ~~	136665	10,000			500	234	NCOREAST DU.			992			500			INV.	Oly Drange at Lot 234	textadm
Total		138445			11111	-	Concession of the local division of the loca			1,000	100			62385	DEMANC DEF	136664		990			555		DOwn	1	Street, or other street	1211122
Tanal		10000	distanting.	ADD DIFFERE										No. of Street,	DENNIE DEF.	100004		1,800				_	Director .	1		testades
1/27/20.		120666	125454	ARC SHIPPER A		87	192	HER, NHE VEN	11111111	10.000	1		500	3028	20NE EF CENTE	11111111		2,526			900					testade
1/27/20		136666	123436	ABC SHIPPER A	FT	- 81	182	NBPLINIS VEN.	********		14		500	3250	ZONE EF NOP.	******					500					textedm
Total										10,000								3,256								
6/27/20.		136666	125436	ABC SHIPPERA.	FT.	01	192	NEPLINIG YEN.	11111117.	10.000	70,000		500	3050	20NE E/F NSP -:	313111171.		9,898	9,898		500					146433
Total											12,000								5,856							
1/27/20.	1.00	130646	122456	ABC SHIPPERA.	. PT	.01	\$23.89	DEMARC DEF	136663	102	30		500	.98	000EN 167. DE.	136645					509.		8004			tayladin
Total										199								. 99								

In the screen print below, the transportation contract No. 136666 displays **BOTH** in the **Out** of **Balance** column. This is due to no injection of 100 Dth on storage nomination No. 136665 and no withdrawal of 99 Dth on storage nomination No. 136665. There is no **RR** code **INV** because this is a valid record. The user just needs to nominate on its storage contract.

	TMS T	SP/NAME	784158	214 NORTHER	RN NAT	URAL	GAS CO	MPANY																		4
	Main	Nominal	tion C	Confirmation	Sche	duled	Quantity	Storage																	Final A.M	4. Nomination Li
Gan Day:*	03/02/2	2020	D B	nulate External	User:																					Retrieve -
🛛 Sun	By Svc	Req K	Show	Invalid Noms	Only	s	how Asso	ciated Noms																		Ð
Non InterTime	Hese(*)	Sec Roy K	Dec Reg	Agent/ Sv: Reg Kame	Sec. Type		BesLee	Rec. Los Rome	Up X	Hom Res Ory	Sched Rec Oty	A4 Rec Dy	fac fast	Delter	Del Los Kanne	DeX	Pbg 10	Ren. Del Oy	Schud Swi Oty	Adj Dal Sty	Del Rask	Net Ory Change	Out of Balance		Comment	Value of By
1/27/28		138663	123456.	ABC SHIPPERA_	10	D8	42299	DEMARC DEF	136664	10,000	0		500					0	. 0				U#			textader
Total										10,000								0								
(27/20		130064	123456.	ABC SHIPPER A.	17	01	197	NOPL/INNG GLE.	111111111	10.000	0		500	62389	DEMARC DEF	130043		10,000	20		500			INV.	Qty Change at Loc 197	1841adm
Total										18,000								10,000								
1/27/20.	- 10 -	130064	123456.	ABC SHIPPER A.	17	. #1	62389	DEMARC DEF	136665	1.000			500	254	NCOR EAST DU.	111111111		990	(#		500			- POV	Qty Change at Loc 234	Testador -
Total		-								3,000						-		990					DOWN/			
1/27/20		136665	- with	ABC SHIPPERA.	90	07					. 0			62389	DEMARC DEF	131064		1,000			500		DOMAN (textadm
Tetal 1/27/20		130000	123456	ABO BALLTERA.	FT			ART MING VEN.	1111111-	10.000			500	3026	ZONE EF CENTE	11111111		1,000			300					
1/27/20		130000	123436.	ABC SHIPPERA		81	192	NEP-THIS VEN	1111111-	10.000			500	3039	ZONE LY NOP-	11011111		1216			500					textadr: textadr:
Tatal		120000	1429120-	AND PROPERTY.			194	NO. PLANT ADAT		15.000	-	-	200		LUNCET STATE			1,254			200					the same
1/27/20.		136866	123458.	ABC SHIPPERA.			192	APPL/NNS VEN	11111111	10.000	10,000	-	-		ZONS E.F.NSP.	11111111		0.000	9,006		500					18633
Total								Contraction of the local division of the loc			10,000				and all the state of the				5,898							
1/27/20		(136666	123256	ARC SHIPPER A.	#T		62399	DEMARC DEF.	(1)16665	100	0		500	44	OSDEN DEF. DE	136665		99			500		8074			testador
Tetal		-								100								39					and the second second			

- To display only records associated with the **INV** records:
 - Highlight the **INV** record
 - Select Show Associated Noms
 - The record that displays **UP** is the record that is associated with the **INV** record.

		PINAME	E 7841582		HERN NATU	RAL GA	S CON	IPANY																	1	
<u> </u>	Main	Nomin	ation C	Confirmatio	on Schedu	led Qua	intity :	Storage																	Final A.M. Nomina	tion Lis
s Day	12/10/20	019 4	▶ □ Er	nulate Exte	mal User:																				Re	triovo
_							_																			
2 Su	n By Svc F	Req K	Show	Invalid N	oms Only 🕕	Show	Assoc	iated Nom	*	\$	Svc Req K La	st Updated	tcherov	, 12/11/	2019 6.34	DAM.										91
	n By Svc F	Req K	Show		Aparel Aparel See Sey Susse	Show		iated Nom	Nor Lan Lana	Up K	Svc Req K La	st Updated School Res Dy	Adj Bee Dy	, 12/11/	2019 6.34 Dellar	D AM Let Rates	Da K	Mg 0	Res.	Sched Sol Dy	Ağ Del Dy	11	Ret Dry Disage	Over of Reference	Comment	93
	Rest Balay Time 12/11/20.					-			-								bat 21202	H ₁ 0	Nin Moy 23	21-12 21-22 21-22	M SHOY	21	15	der of Balance	 1	
	Room ButteyTiese T2/11/20. Tated		See Seg K	Bac Ray 620172.	Againt' Jee Reg Base CLAFFON CHER.	847 7329 70	17 27	ResLar	Re- Lor Rama	Up K					Del Lor 75450	Del Les Raise VENTURA DOT	21290	Pig D	Rom Del City 23 33	Sobal Sel (ty	THI OV	11	Ret Oly Diange 15 35	Out of Balance	Camman	
	New Selections 12/11/20. Tanel 12/11/20.		See Seq X	Base Rang	Againt/ Jos Roy Ramo	Ber Type			-		Num Ran Oy B 1 75				Dellar	Del Les Bases		Ht 0	Ren Bel Gy 33 33	School Sel Opp	M	11 -	15	Ser of Balance	Camman	
2 Su •	Room ButteyTiese T2/11/20. Tated		See Seg K	Bac Ray 620172.	Againt' Jee Reg Base GLAFTON CHER.	847 7329 70	17 27	ResLar	Re- Lor Rama	Up K					Del Lor 75450	Del Les Raise VENTURA DOT	21290	M10	Ren bil Gy 35 35 35 35	Solved Sel Dy	N	11	15	Set of Balance	Camman	

Zone Percentages

- This screen shows the percentage rights a contract has at an allocated group(s) for each zone(s) within the group.
- For users to view the Zone Percentages screen, select Nominations and then Zone Percentages.



TMS TSP/NAME: 784158214 NOR										\$
Main Nomination Confirmat	ion Scheduled	Quantity Storage								Zone Percentag
Sas Day:* 03/31/2020 4 > Cycle:* Evenin	a 🗡									Retriev
									∋⊥	
	TI brag here	r so étti rové groupe								
	Group 4	Group Name	Loc Zn	Loc Zn Name	Svc Req K *	Svc Req Name	Swc Roq	Zone Pct	_	
	487	EARLVILLE EAST ALLOCATION G.	3113	ZONE D-TIPTON	0			100	~	
	457	EARLVILLE EAST ALLOCATION G.	3122	ZONE D-WISCONSIN GAS	0			100	2.3	
	487	EARLVILLE EAST ALLOCATION G	3124	ZONE D-WISCONSIN P&L	0			100		
	487	EARLVILLE EAST ALLOCATION G.	59043	ZONE D-WISCONSIN ELECTRIC P_	0			100		
	487	EARLVILLE EAST ALLOCATION G.	60230	ZONE D-MADISON GBE	0			98.2438		
	408	BELLEVILLE EAST ALLOCATION G.,	3122	ZONE D-WISCONSIN GAS	0			18.7464		
	408	BELLEVILLE EAST ALLOCATION G	3124	ZONE D-WISCONSIN P&L	0			27.1877		
	458	BELLEVILLE EAST ALLOCATION G.	59543	ZONE D-WISCONSIN ELECTRIC P	0			100		
	498	BELLEVILLE EAST ALLOCATION G	60230	ZONE D-MADISON GRE	0			82.2464		
	581	OGDEN NORTH ALLOCATION GR.	5054	ZONE E-F-MERC	136789	JKL ENERGY BERVICES	04444444	80		
	581	OGDEN NORTH ALLOCATION GR.	3077	ZONE ABC - MIDAMERICAN	136780	ABC ENERGY SERVICES	999999999	0		
	581	OGDEN NORTH ALLOCATION GR_	60226	ZONE ABC-INTERSTATE POWER_	136709	JKL ENERGY SERVICES	04444444	¢.		
	681	OGDEN NORTH ALLOCATION GR	3026	ZONE EF CENTERPOINT ENERGY_	0			92.7518		

Nomination Quantities by Cycle Report

- This report retrieves data for one or more contract(s), or type of contract, for a gas day and cycle.
- To view the Nomination Quantities by Cycle Report, select **Nominations, Reports** and then **Nomination Quantities by Cycle**.
- Enter Gas Day, Cycle, Contract/Type and select what format (PDF or Excel) to view the file. Select Retrieve.



• The data is populated in PDF format.

ISP/ISP N	ame: 784	158214 NO	RTHERN NATURA	L GAS COMP.	ANY			Fo	or Transportation	on S	Service					Stmt D/T: 01/	16/2020 8:5/	6 am
Gas Day: Cycle:	01/16/203 Intraday		Svc Req K: Svc Req/Name:	136664 (IT/ 123456789		HIPPER CO	OMPANY					Agent/Name:	987987	987 ABC SHIPPER AGE	ENT			
Nom Chng	Rec Loc	Up ID	Up K	Rec Qty	Rec Rank	Del Loc	Dn ID	Dn K	Del Qty F	Del tank	Pkg ID	Fuel Qty	Π	Receipt Time	Source ID	Nom Trk	Created By	Update By
	1318	111111111	111111111	5,000	1	192	123123123	RF0010	4,949	1	123	51	01	01/15/2020 7:50 am	Online		CSRUser	CSRUse
		Subtotal:		5,000					4,949			51						
	1318	111111111	111111111	10,000	1	3077	123123123	136666	9,898	1	456	102	01	01/15/2020 8:52 am	Online		CSRUser	CSRUse
		Subtotal:		10,000					9,898			102						
	37654	123456789	136666	1,000	1	3124	123123123	ABC	990	1	258	10	01	01/15/2020 9:34 am	Online		CSRUser	CSRUse
		Subtotal: Total:		1,000 16,000					990 15,837			10						



Confirmations Menu

Confirmation Maintenance

- This screen allows the user to view, edit, add, and delete confirmations.
- To view the Confirmation Maintenance screen, select **Confirmations** and then **Confirmation Maintenance**.
- The Confirmation Maintenance screen opens.
- Select a Gas Day
- Select a Cycle
- User can view this screen with multiple options:
 - Select **Loc**. Enter a location.
 - Select **Conf Svc ID Prop** (legal entity). Enter an ID Prop.
 - Select **Conf Svc K**. Enter a contract.
- Select Retrieve.



- There is an advanced search for all three options.
- Select Retrieve.



- The screen populates with the selected criteria.
- Select **Confirm All** to confirm all records.



onf Req/N	ime: 78415		N NATURAL GAS	COMPANY C	ew By:* Loc inf Pty/Name: 01	13665749 TRAILBLAZ	ER PIPELINE			/NNG BEATRICE	2						-	letriev
onf Filte			ype Filter: Standar	d/Makeup 🗸										l		1 Confi	rm All 0 L	Loc To
Diagne	K Fla	Up/Dn ID	Up/On Name	Up/De X	Suc Req	Svc Req Name	Svc Req K	Svc Type	Nom Oty	Prolim School Qty	Qfy (Conf)	R	Sched Qty	End Dute	Source	Conf Trik ID	Val Cd	
8	R	11111111		11111111	123456789	ABC SHIPPER COMP.	136664	п	15,000	Second of the	(usin)			02/29/2020				

- To confirm a record, highlight the record to be confirmed. When the grid entry form opens, select **Submit**.
- To unconfirm a record, highlight the record to be unconfirmed and select **Unconfirm**.
- If user wants to confirm a volume up or down, highlight the record user wants to confirm, change the **Qty (Conf)** and select **Submit**.



• Select Loc Total to open the Location Total screen.



• To close the screen, select the in the upper right-hand corner.

L	ocation To	otal				\otimes
G	as Day: 02/06/2	2020 Cycle	: Timely Loc:	1318		
					Let)	
	Svc Req K	Up/Dn K				
	Svc Req K 🕹	Nom Qty	Prelim Sched Qty	Qty (Conf)	Sched Qty	
	136664	15,000		15,000		
	Receipt Total: Delivery Total:	15,000		15,000		
	Net Total:	15,000		15,000		

Confirmation Summary

- This screen provides user a view of its daily and monthly scheduled quantities, nominations, . confirmations and actual measured quantities at its locations for a specified daterange.
- To view the Confirmation Summary screen, select **Confirmations** and then **Confirmation Summary**. .

Main Nomination Con	irmation Schedi	uled Quantity	Storage										Confirmation Summ
eg Date:* 04/01/2020 4 * End Dat	.* 04/30/2020 4	View By:*	Loc	✔ 79490	х -	Ũ.							Retrie
												ÐÎ	
	E Drag terre to a	et rove (posses											
	Beg Date 🔺	Nom Qty	Non Makeup	Conf Qty	Conf Makeup	Sched Qty	Sched Makeup	Total Scheil Oty	Actual Meas Oty	Est Meas Oly	Var	Pct	
	04/01/2020	-3,569		-3,322		-246		-248			248		
	04/02/2020	-3,569										^	
		-3,569											
	04/03/2020	-12,007											
	04/03/2020 04/04/2020	-3,569											
												_	

Location Reconciliation

- This screen allows a user to view, filter and compare nomination quantities to confirmation • quantities between the current and previous cycle for a specified gas day.
- To view this screen, select **Confirmations** and then **Location Reconciliation**.



	Main Nomination Confirms	ition	Schee	duled Quanti	y Storage										Welcome: USER S	ion Reconcilia
as Day:"	04/01/2020 4 > Cycle:* Time	y:	×	View:" 💿	Nom Qty vs Conf Qty O Ne	om Qty vs Prev Nom Qt	ý									Retrie
Hide	Makeup Noms														÷ 1	Open ContM
E) (http://	na to anti-toxi grunpa															
Draphe 1 1	to ant rive groups	K Flo	2 +	Sve Req K	. Sve Req Name	Svc Ruq	Up/Dn K ⁴ 4	Up/On ID	Prev Nom Qty	Prev Conf Oly	Nom Oty	Conf Oty	Oper Choice	R	Conf Date/Time	Updated By

Late Nomination Notification

- This screen allows a user to select the individual cycles for which to receive a notification if
 a nomination is received at its location(s) between the original nomination cycle deadline
 and the extended cycle deadline.
- To view the Late Nomination Notification screen, select **Confirmations** and then **Late Nomination Notification**.





Scheduled Quantity Menu

Scheduled Quantities

- This screen allows the user to view nominated and scheduled quantities by cycle for a specified gas day.
- To view the Scheduled Quantities screen, select **Scheduled Quantity** and then **Scheduled Quantities**.
- To detect a record that is getting cut, highlight the record with an RR code. Select the RR
 Detail button. If a record without an RR code is selected, the RR Detail button is inactive.

Cycle:* Tim]			Agent/Nan	ne: 98798798	7 ABC SHIPPE		arl Cohortu	led Quantities will t	a disalaun	ud ushan film o	rala in course	inte				Retneve	
27 all est all on	ro Qty Records	alan arang ka	ay be allered	roy each cycle pr	icess (i.e. on	sancing, anoca	bona, and com	inguona proceas	co). Ochedu	ed gabrines him	europroye	o when the c	cie is comp	orte.				9 🗘 🚺 🛛 🕄 🕀) То
B Oraș tere te RecLec 4	uat row groups Up ID	Up K	Nom Rec Oty	Prelim Sched Rec Oty	Rec Ratk	Del Loc	De ID	De K	Nom Del Oty	Prelim Sched Dei Qty	Del Rank	Pkg ID	88	Nom Fuel Oty	Prelim Sched Faul Oby	π	Proc Right	Receipt Time	
1318	11111111	111111111		3,418		192	123123123	RF0010		3,383 6,765	1	123	CCR			01	No	01/15/2020 12:00.	
					Up ID: Up Name: Prelim Sched	11111111		tank: 1	1	In ID: 123 In Name: Prelim Sched Del Qty:	6,765	Del Ran	c 1		RR/Name: CC Prelim Sched Fuel Q		n ospatny or	onstraint at Receipt	
	125456789	136666			1	3124	123123123	ABC			1	258	PBR			01	No	01/15/2020 12:00	
1389 1369	123456789 123456789	136663 136663			9999 9999	37654 37654	123456789 123456789	136662 136662			9999 9999	STORBAL.	P80* P80*			01 01	No No	01/16/2020 12:00.	
7654 2389 2389 2389	123456789	136663			9999	37654	123456789	136662			9999	STORBAL.	P80*			01	No	01/16/2020 12:00.	

• The **Reduction Reason Detail** screen opens which shows the reason the record was cut.

Svc Reg K: 130684 (17/11) Agent/Name: 967967967 Gas Day: 01/17/2020 Gycle: Timely TTIDesc: 01 - Cur Bus	ABC SHIPPER AGENT Rec Loc: 1318 Rec Loc Name: TBPUNNG BEATRICE Up K: 11111111 Up ID: 11111111 Up Name:	Del Loc: 3077 Del Loc Name: 2ONE ABC - MIDAMERICAN Dn K: 136666 Dn (D: 123123123 Dn Kame: 2000	Pkg ID: 456 Nom Trk ID: Proc Right: No PRoc Right: No RR/Name: CCR - Pipeline Capacity Constraint at Rece Prelim Sched Fuel Gry: 7:0 The Sched Fuel Capacity Constraint at Rece Prelim Sched Fuel Capacity Constraint at Rece
Delivery 9	Prelim Sched Rec City: 6,835 Rec Rank: 1 Prel Tripd Peet Cord Sched Oly 000 4,835 Sched Oly 000 4,765 Sched Oly 002 70 Sched Oly	Prelim Sched Del Qty: 6,765 Del Rank: 1 Svc Reg K Lookup:	
CCR Allocation Cut at POINT 1318 - TBPL/INL TOput Allocation	5165 5335 3165 3172	Cut Sequence trem Drighteter	



• After **Balancing Completed** during a process, the user can view Preliminary Scheduled Quantities.

is Day:* 01/ icle:* Tim	17/2020 4 1 ely •		* 136664 (IT/	TI)		ame: 12345678 ne: 98798798			(Retrieve	entiti [-
TE: Prelimir	ary Schedule	ed Quantities i	nay be affecte	d by each cycle proc	cess (i.e. bi	alancing, allocat	ions, and confi	rmations proc	esses). Sche	duled Quantities will b	e displaye	d when the c	ycle is comp	olete.					
Z Hide Zen	Qity Record	s);																B 1 ORD	Tota
Drag here to bec Loc &	up ID	Up K	Nom. Rec Oty	Prelim Sched Rec Oly	Rec Rank	Del Loc	0m 10	De K	Nom Del Cty	Pretin Sched Sei Oly	Del Rank	Pkg ID	82	Nom Fuel Qty	Proline Sched Fuel Qty	π	Proc Right	Receipt Time	
1	111111111	111111111		3,418	1	192	123123123	RF0010		5,383	1	123	CCR		35	01	No	01/15/2020 12:00	
	111111111	1333133111		6,835	1	3077	123123123	136466		6,765	10 - C	455	CCR		70		No	01/15/2025 12:00	
4	123456789	136666			1	3124	123123123	ABC			1	258	PBR			01	No	01/15/2020 12:00_	
9	123456789	136663			9999	37654 37654	123456769	136662			9999 9999	STORBAL	P80*			01 01	No	01/16/2020 12:00	
	123456789	136663			9999 9999	37654	123456789 123456789	136662			9999	STORBAL STORBAL	P80*			01	No No	01/16/2020 12:00	

• When the Cycle Process Status screen shows **Cycle Completed**, the user can view Scheduled Quantities.

Ма	in Nomini (17/2020 4	ation Confi	And a state of the second	VATURAL GAS cheduled Quant /TI) ×	iny Stora	99 ng/Name: 12345 Name: 98798						-	-						eduled Quan Retrieve
Z Hide Ze	ro Qty Record	ts.															C	1 = 1	ORD T
Dingtielen	det in groups	N7		0			91		2. T	-		1.8			-	(A)	10.1		
Rec Loc +	Up ID	Up K	Nom Rec Oty	(Sched) Rec Oly	Rec Rank	Del Loc	Da ID	De K	Nom Del Oty	(Sched) Del Qty	Del Rank	Pkg ID	RR	Nom. Feel Qty	(Sched) Fuel Oty	π	Proc Right	Receipt Time	Source
318	111111111	111111111		0	1	192	128128128	RF0010		-	1	123	PRR*	1.000 804.		01	No	01/15/2020 12:00.	Online
18	111111111	111113111			1	3077	123125123	136666			1	456	PRR*			01	No	01/15/2020 12:00	Online
654	123456789	136665			1	3124	123123123	ABC			1	258	PBR			01	No	01/15/2020 12:00	Online
389	123456789	136663			9999	37654	123456789	136662			9999	STORBAL	PBD*			.01	No	01/16/2020 12:00.	Stor.Bal
389	123456789	126663			9999	37654	123456789	136662			9999	STORBAL.	PBD*			.01	No	01/16/2020 12:00.:	Stor.Bal
389	123456789	136663			9999	37654	123456789	136662			9999	STORBAL	PBD*			01	No	01/16/2020 12:00	Stor.Bal
	eipt Qty: 0 sceipt Qty: 0					elivery Qty: 0 Delivery Qty: 0	5			Total Nom Fuel Total Sched Fue					Stml D/T:	01/16/2020	0 1:17 PM		



Scheduled Quantities Month to Date

- This screen allows the user to view nominated and scheduled quantities for a contract for a specified date range.
- To view this screen, select Scheduled Quantity and then Scheduled Quantities Month to Date.

ns Day:*[0	tain Nomin: 14/30/2020 4		mation Sc 136774 (ID/		× • Svc Reg/N			RGY SERVICE KETING LLC	s							cheduled Quanti	Retneve
2 Hide Z	ero Qiy Record	<u>5</u>															19
()raighere Cycle	Gas Day	Rec Loc 4	Up 10	Up X	Nom Rec Oly	(Sched) Rec Qty	Res Ratik	Del Loc	Da 10	Dn K	Nom Del Oty	(Sched) Bel Ofy	Del Ratik	Pig D	88	Nom Foel Oty	(Sched) Foel Qty
mely mely	64(91/2020) 64(91/2020)	62399	00000000	136773	2,000,000	200,000	1 500								P98. 502*		
õ					3,000,000	390,000							-			8	

Scheduled Ouantities By Service Requester

- This screen allows a user to view nominated and scheduled quantities for a specified date range by **Svc Req K**, **as Svc Req Prop** or **as Agent Prop**.
- To view this screen, select Scheduled Quantity, Scheduled Quantities By and then Service Requester.



	214 NORTHERN NATURAL GAS COMPANY Confirmation Scheduled Quantity Stora	e						Sector Contraction of	elcome: USER SMITH 🛛 🖨
Date:* 04/01/2020 4 > End	Date:* 04/30/2020 4 > View By:* as Svc	Reg Prop 🖌 14715	x •	Sve Req/Name: 04	4444444 JKL E	NERGY SERVIC	CES		Retrie
ERS > D Loc	* Up ID	De li							
	Up K	Do K							
		1			_	49	企		
		1 Disphere to a	et nice groups						
		Beg Date 4	Nom Rec Qty	Sched Rec Qly	Nom Del Qfy	Sched Del Qty			
		04/04/2020	2,600	0	2,571	0			
		04/05/2020	2,600	0	2,571	0	1		
		04/06/2020	2,600	8	2,571	0			
		64/07/2029	2,600	0.	2,571				
		04/08/2020	2,900	0	2,571	0			
		04/09/2020	2,600	0	2,571	۵			
		04/10/2020	2,600	0	2,571	0			
		04/11/2020	2,600	0	2,571	0			
		04/12/2020	2,600	0	2,571	0			
		04/13/2020	2,600	0	2,671	0			
		04/14/2020	2,600	0	2,571	.0			
		04/15/2020	2,600	0	2,571				
		04/16/2020	2,600	0	2,571	0			
		04/17/2020	2,600	0	2,571	0			
		64/18/2020	2,600	0	2,571				
		04/19/2020 04/20/2020	2,600	0	2,571	0 0			
		04/20/2020	2,600	0	2,571				
		04/22/2020	2,600	0	2,571	0			
		04/23/2020	2,600	0	2,571				
		04/24/2020	2,600	0	2,571	0			
		04/25/2020	2,600	0	2,571	0			
		64/26/2020	2,600	0	2,571	0			
		04/27/2020	2,600	0	2,871				
		04/28/2020	2,600	0	2,571	0			
		04/29/2020	2,600	0	2,571	0			
		04/30/2020	2,600	0	2,571	0		1	
			78,000	250	77,190	248			

Scheduled Quantities By Operator

- This screen allows a user to view nominated and scheduled quantities for a specified date range by Loc, as Conf Req Prop or as Agent Prop.
- To view this screen, select Scheduled Quantity, Scheduled Quantities By and then Operator.

TMS TSP/NAME 784158214 NORTHERN NATUR Main Nomination Confirmation Schedu								Scheduled Quantities By Service F	
g Date:* 04/01/2020 + End Date:* 04/30/2020 +	View By:* as Svc Req Prop 14715		× •	Svc Req/Name: 0-	4444444 JKL EI	ERGY SERVICE	ES		Retrie
TERS . Loc -	ю к	Dn ID Dn K							
						9	<u>↑</u>		
	11 D	ag here to set rise	2141			114			
	Beg D	ate 4	Nom Rec Qfy	Sched Rec Qly	Nom Del Qfy	Sched Del Qty			
		4/2020 5/2020	2,600	0	2,571 2,571	0	^		
		5/2020 6/2020	2,600	0	2,571	0			
	04/0	7/2020	2,600	0	2,571	÷.			
	04/0	6/2020	2,600	0	2,571	0			
	04/0	9/2020	2,600	0	2,571	٥			
	04/1	0/2020	2,600	0	2,571	0			
	04/7	1/2920	2,600	0	2,571	0			
	04/1	2/2020	2,600	0	2,571	0			
		1/2020	2,600	0	2,571	0			
	04/3	4/2020	2,600	0	2,573	0			
		5/2020	2,600	0	2,571				
		6/2020	2,600	0	2,571	0			
		7/2020	2,600	0	2,575	0			
		8/2020	2,600	0	2,571				
		9/2020	2,600	0	2,571	4			
		0/2025	2,600	0	2,571	0			
		1/2020	2,600	0	2,571				
		2/2020	2,600	0	2,571	0			
		3/2020 4/2020	2,600	0	2,571	0			
		4/2020 5/2020	2,600	0	2,571	0			
		6/2020 6/2020	2,600	0	2,571	0			
		7/2020	2,600	0	2,871	0			
		6/2020	2,600	0	2,571	0			
		9/2020	2,600	0	2,571	6	- 14		
		0/2020	2,600	0	2,571	0	V		
		0.2223	78,000	250	77,190	248			



Scheduled Quantities Report (for Svc. Reg. Operator or Meter Bounce Activity)

- This screen allows a user or operator to view nominated and scheduled quantities for a specified day or date range by Svc Req K or Svc Req Prop.
- User will need to select what format (PDF or Excel) to view the file.
- To view this screen, select Scheduled Quantity, Reports and then Scheduled Quantities.

				Schedu	led Quanti	ties by Nom	inatio	1 & Location Rep	ort	Cycle:			Stmt D/T	04/01/2020 2:2	3 pm
					-)1/2020 End D		-							
Svc Req Name:	ABC E	ENERGY	SERVICES			Svc Req K:	136973	1							
Svc Req Prop:	14716					Svc Type:	Interru	ptible Throughput							
Receipt															
Rec Rec Loc/Name Ra		Up K	Up ID Up Name	Nom Qty	Rec Qty	MTD Nom	MTD Sched	Del Del Loc/Name Rank	Dn K	Dn ID Dn Name	Nom Qty	Del Qty	MTD Nom	MTD Sched	RR/ Pkg Id
192 50 NBPL/NNG V		555555 A	666666666	100	0*	100	0	1318 500 11 TBPL/NNG BEATRIC	1111111 E	111111111 ROY CLEMENTS	99	0*	99	0	
Subtotal for Re	ceipt Loc	ation		100	0	100	0				99	0	99	0	
Total for Contra	act:		136973	100	0	100	0				99	0	99	0	

Service Requester Scheduled Quantity Report

- This screen allows a user to view nominated and scheduled quantities for a specified day or date range by cycle by **Svc Req K**, **as Svc Req Prop** or **as Agent Prop**.
- User will need to select what format (PDF or Excel) to view the file.
- To view this screen, select Scheduled Quantity, Reports and then Service Requester Scheduled Quantities.

	TMS T	SP/NAME 784	158214 NORTHE	RN NATURAL GAS CO	MPANY	🔤 Welcome: USER SMITH 🍚 🕞
<u> </u>	Main	Nomination	Confirmation	Scheduled Quantity	Storage	Service Requester Scheduled Quantity Reports
O Sch Gas Da View B	eduled Qu eduled Qu y:* 04/01	r2020 4 F G	Req by Date Range sele:* Timely	~	Name: 04444444 JKL ENERGY SERVICES	© PDF O Excel

Enter requirements, select report format (PDF or Excel) and **Retrieve**. Report will generate, example below.



Beg D	ate: 04/01	1/2020 Cycle: Tin	nely					Subt	otals By	: Delive	ery Location					State	ment	Date/Tim	ie: (03/31/202	10:27 at	m
	e Request /Name:	ter/Name: 44444444 44444444		ERGY SERVICES ERGY SERVICES				Sve F	Req K:	1367	189					Sve	Гуре:	Firm Ti	rough	iput		
Recei	ipt								Deli	very												
Rec Loc	Zone/ Area	Rec Loc Name	Up ID	Up Name	Up K	Nom Rec Qty		Rec Rank		Zone/ Area	Del Loc Name	Dn ID	Dn Name	Dn K	Nom Del Qty	Del Qty		Cap Type RR	TT	Package ID	Nom Fuel	Fue
192	MID 17	NBPL/NNG VENTURA	9999999999	ABC ENERGY SERVICI	9999999999	1,000	0	1	78623	MID 17	VENTURA POOL	9999999999	ABC ENERGY SERVI	136777	-988	0	500	SS FPC	01		-12	
92	MID 17	NBPL/NNG VENTURA	9999999999	ABC ENERGY SERVICI	9999999999	0	0	1	78623	MID 17	VENTURA POOL	9999999999	ABC ENERGY SERVI	136777	0	0	500	SP FPC	01		0	
92	MID 17	NBPL/NNG VENTURA	9999999999	ABC ENERGY SERVICI	9999999999	0	0	IΥ	78623	MID 17	VENTURA POOL	9999999999	ABC ENERGY SERVI	136777	0	0	500	PP FPC	01		0	
eliver	y Location	Totals:				1,000	0	^							-988	0					-12	
92	MID 17	NBPL/NNG VENTURA	9999999999	ABC ENERGY SERVICI	9999999999	0	0	1	79490	MID 17	ABC ENERGY SE	888888888	XYZ MARKETING LI	136789	0	0	500	PP FPC	01		0	
92	MID 17	NBPL/NNG VENTURA	9999999999	ABC ENERGY SERVICI	9999999999	250	250	1	79490	MID 17	ABC ENERGY SE	888888888	XYZ MARKETING LI	136789	-247	-248	500	SS FPC	01		-3	
92	MID 17	NBPL/NNG VENTURA	9999999999	ABC ENERGY SERVICI	9999999999	250	0	1	79490	MID 17	ABC ENERGY SE	888888888	XYZ MARKETING LI	136789	-247	0	500	SS	01 3	2	-3	
92	MID 17	NBPL/NNG VENTURA	9999999999	ABC ENERGY SERVICI	9999999999	0	0	1	79490	MID 17	ABC ENERGY SE	\$\$\$\$\$\$\$\$\$	XYZ MARKETING LI	136789	0	0	500	SP FPC	01		0	
7654	MID 16 B	NNG FIELD/MKT DEM	9999999999	ABC ENERGY SERVICI	136775	500	0	1	79490	MID 17	ABC ENERGY SE	\$\$\$\$\$\$\$\$\$	XYZ MARKETING LI	136789	-495	0	500	PS FPC	01		-5	
7654	MID 16 B	NNG FIELD/MKT DEM		ABC ENERGY SERVICI	136775	0	0	1	79490				XYZ MARKETING LI	136789	0	0	500	PP FPC			0	
8623	MID 17	VENTURA POOLING P		ABC ENERGY SERVICI	136777	600	0	1	79490		ABC ENERGY SE		XYZ MARKETING LI	136789	-594	0	1	SS FPC			-6	
8623	MID 17	VENTURA POOLING P		ABC ENERGY SERVICI	136777	0	0	1	79490		ABC ENERGY SE		XYZ MARKETING LI	136789	0	0	1	SP FPC			0	
8623	MID 17	VENTURA POOLING P	9999999999	ABC ENERGY SERVICI	136777	0	0	1	79490	MID 17	ABC ENERGY SE	8888888888	XYZ MARKETING LI	136789	0	0	1	PP FPC	01		0	
	ry Location	Totals:				1,600	250								-1,583	-248					-17	
ontra	ct Totals:					2,600	250								-2,571	-248					-29	

Requesting Adjustments to Scheduled Volumes

In the event a service requester would like to adjust scheduled volumes after a gas day has completed, a written request will need to be submitted to Northern's customer service department for review. The five criteria outlined below must be met before scheduled volumes can be adjusted.

1) The change must be made prior to billing.

2) The change does not affect the scheduled volume at allocated groups or points.

3) All parties impacted have agreed in writing to the change.

4) Only a single MPS agreement can be affected for adjustments involving a pooling point.

5) The change may affect a transfer of account balances between IDD and PDD consistent with Tariff Sheet No. 145.



Storage Menu

Storage Contract Balance

- This screen displays nomination and scheduling activity for a selected contract.
- To view this screen, select **Storage** and then **Storage Contract Balance**.

Ma	Support and the second		THERN NATURAL	Constanting of the second	ae			Welcome: USER SMI Storage Co
III. AND				and an other states of the				
g Date:"	3/01/2020	End Date:* 0	3/31/2020 4 >					
Ren K-	136774 (ID/ID0	• × (Svc Reg/Name: 9999	99999 ABC ENER	GV SERVICES			
				Contrato Paper Contest	IOT DETTTOES			
Drag here to	ant time groups							
leg Date ² J	Lee +	Nom Inj Oty	Scheil Inj Oty	Nom W/D Qty	Sched W/D Qty	Bal Adj	Total Bal	
03/01/2020			0		0	0	0	
03/02/2020			0		0	0	0	
03/03/2020			0		0	0	0	
03/04/2020	62389	0	0	0	0	0	0	
03/05/2020	62389	0	.0	0	0	0	0	
03/06/2020	62309	0	21,727	a	0	0	21,727	
03/07/2020	62389	0	0	0	0	0	21,727	
03/08/2020	62389	0	.0	0	.0	Ó	21,727	
03/09/2020	62309	0	0	٥	0	0	21,727	
03/10/2020	62389	0	0	0	0	0	21,727	
03/11/2020	62389	0	0	0	0	0	21,727	
03/12/2020	62389	0	0	0	0	0	21,727	
03/13/2020	62389	4	0	0	0	0	21,727	
03/14/2020	62589	0	0	0		0	21,727	
03/15/2020	62389	0	0	a	0	0	21,727	
03/16/2020	62389	a	0	a	0	Ó	21,727	
03/17/2020	62309	0	0	0	0	0	21,727	
03/18/2020	62389	0	0	¢	0	0	21,727	
03/19/2020	62389	0	0	0	0	0	21,727	
03/20/2020	62389	0	0	0	0	0	21,727	
03/21/2020	62389	0	0	0	0	0	21,727	
03/22/2020	62389	¢	0	a	0	ņ	21,727	
03/23/2020	62389	0	0	0	0	0	21,727	
03/24/2020	62389	0	0	0	0	Ó	21,727	

Storage Netting Activity

- This screen allows the user to view storage netting transaction detail for a particular entity and group based on user's input criteria.
- To access this screen, select **Storage** and then **Storage NettingActivity**.
- Enter Gas Day, Agent/Svc Req Prop and Group Label. Select Retrieve.



TMS TSP/NAME: 784158214 NORTHERN NATURAL GAS CO Main Nomination Confirmation Scheduled Quantity				Storage Netling Activity
Gas Day: 02/01/2020 4.1 AgenUSrc Ree Prog. 14712 Broup Label: MO1IDD V Rate Schedule: IDD	Svc Reg/Name: 1234567 Loc/Name: 62389 DEMARC DEF DEI	789 ABC SHIPPER COMPANY LIVERY		Retnove
	Contract Rankings		÷ 1	1
	Teng tere to set invo groups Rank 4 Size Reg K		Svc Req Name	
		PPER COMPANY		
	Activity/Results		e 1	1
	Image being here to ant room groups Svc Req K ¹ + K Fla ² + Nom C	Qfy Sched Qfy Up/Da K	TT ³ + Pkg 10	
	136663 D 136663 R 136663 R	250 136644 1,000 73664 750 136664	07 06 71 STORMETITEST	
	Total Nom Receipt Qty: 1,000	1,250 750	om Delivery Qty: 250	
	Total Sched Receipt Qty: 750		ched Delivery Qty: 0	

Storage Netting Maintenance

- This screen allows users to "net" storage injection and withdrawal activity at a storage location each gas day. A user can add, change, or delete records within an existing storage netting group.
- To view this screen, select **Storage** and then **Storage Netting Maintenance**.
- System defaults to **Create New** (create a new record).
- Enter Agent/Svc Req Prop (legal entity), Group Label, which is the user-defined group name (indicates the contracts that will be netted together), Rate Schedule and Loc. Select Continue.

RTHERN NATURAL GAS COMPANY	a 🖨 🕞
tion Scheduled Quantity Storage	Storage Netting Maintenance
x - Svc Reg/Name: 123456789 ABC SHIPPER COMPANY	
Rate Schedule: IDD V Loc.* 98 X * D Loc Name; OGDEN DEF. DELIVERY	Continue Cancel

• Enter Svc Req K, Netting Beg Date, Netting End Date and Rank. Select Add.



	NORTHERN NATURAL GAS COMPAN firmation Scheduled Quantity St	NY torage				-	Storage Netting Mainte
sate New Perform Maintenance	innation scheduled scianity st	lorage					Sionage Metung mainte
gent/Svc Req Prop;* 14712 roup Label:* 1	* Svc Reg/Name: 1234567/ Rate Schedule:*	89 ABC SHIPPER COMPANY	• 🗊 Loc Nam	WE: OGDEN DEF DELIVER	IY		Continue Can
Syc Reg K:* 126663 ~ Sw	Reg/Name: 123456789 ABC SHIPPER						1
and the second s	negranie: 123400700700700 orar rere	COMPANY					
Contraction of the second second	Netting End Date: 1/17/2020 (*)						Add Clear
Contraction of the second second					1 ÷ 1	Add New Submit	
Contraction of the second second	Netting End Date: 1/17/2020		Notiling Cruste End Sate Bala/Time	Crusted By	Update Vadu/Tine Update By	Add New Submit	
Contraction of the second second	Netting End Date: 1/17/2020 + C	Rank	Netling Deals End Solds Gala/Time	Crusted By		Add New Submit	
Contraction of the second second	Netting End Date: 1/17/2020 + C	Rank	Vetlog Drate En Bas Dat/Time	Created By 1		Add New Submit	

• The new record is created. To save the record, select **Submit**.

	MS T	SP/NAME: 78	4158214 NORTHE	RN NATURAL	GAS COMP	PANY										1	6 G
	Main	Nomination	Confirmation	Scheduled	Quantity	Storage											Storage Netting Maintenance
Create N	w P	erform Mainte	nance	174													
Agent/Sv Group La		op:* 14712		R	Name: 12345 ate Schedule:*	19	EPPER COM		*	D Loc Name:	OGDEN DEF. DEI		- - ⊒a ↑.	Add New	Submit		Continue Cancet
				Rank 4	Sinc Reg K	Svc Re	eq Name	Netting Beg Date 01/17/2020	Netting End Date 01/17/2020	Create Bate/Time	Created By	Update Date/Time	Updated By				
				1	136663	ABC SHOP	PPER COMP.					Array 1989					

Group Label applies to the storage contracts that a user wants to be netted or grouped together. The requirements for each group include only one storage location (e.g. 98) and only one service type per group (e.g. FDD). The same group number cannot be used if a contract is FDD and another contract is IDD. An example is provided below to show two different service types that require different group labels.

- **Group 1** nets two IDD storage contracts at Ogden Deferred Delivery
- **Group 2** nets two FDD storage contracts at Ogden Deferred Delivery
- To change a record select **Perform Maintenance**.
- Enter Agent/Svc Req Prop (legal entity) and select a Group Label from the drop-down box.
- Select Retrieve.

	TMS T	SP/NAME 7841	58214 NORTHEF	RN NATURAL GAS CON	MPANY					
	Main	Nomination	Confirmation	Scheduled Quantity	Storage					Storage Netting Maintenance
Greate	New CP	erform Maintena	ince D							
	/Svc Req Pr	op: 14712	×			SHIPPER COMPANY Name: 98 OGDEN DEF. DELIVERY				Retrieve



• The current record appears.

TMS TSP/NAME: 784158214 NO	RTHERN NATURAL	GAS COMPANY	ŕ							5	3	ê (
Main Nomination Confirma	tion Scheduled	Quantity Sto	rage									Storage Netting Maintenance
Create New Perform Maintenance		· · · · ·	16									
Agent/Svc Req Prop.* 14712 Group Label:* 1			ABC SHIPPER COM Loc/Name: 98 OGDE		RY							Retrieve
	Show	Active Records (Doly						-∋1	Add New	Sabmit	
	Nank +	Svc Req K	Sve Req Name	Netting Beg Date	Netting End Date	Create Date/Time	Created By	Update Date/Time	Updated By			
		136663	ABC SHIPPER COMP	01/17/2020	01/17/2020	01/17/2020 11:4.	CSRUser	01/17/2020 11:4	CSRUser			

• To delete a record, highlight the record and the grid entry form appears which allows a user to **Add**, **Change** or **Delete**.

	TMS	TSP/NAME 78	4158214 NORTHE	RN NATURAL	GAS COMPA	NNY .									
	Main	Nomination	Confirmation	Scheduled	Quantity 1	Storage									Storage Netting Maintenance
Creat	- New	Perform Mainte	nance												
	I/Svc Req I Label:*	Prop:* 14712	×			789 ABC SHIPPER CO ID Loc/Name: 98 OGD		RY							Retrieve
				Z Show	Active Record	ts Only						÷ ±	Add New	Submit	
				Bank 4	Sec Reg K	Svc Req Name	Netting Beg Date	Netting End Date	Create Date/Time	Created By	Update Date/Time	Updated By			
				(A)	136663	ABC SHIPPER COMP.	01/17/2020	01/17/2020	01/17/2020 11:4.	CSRUser	01/17/2020 11:4	CSRUser			
				Svc Req Netting I		6663 V Svc Reg/Nam 17/2020 4 Netting	e: 123456789 AB End Date:* 01/17					Add C	hange	elete	

Storage Information

- This screen allows the user to see all its storage balances by contract for a specified date range.
- To view this screen, select **Storage** and then **Storage Information**.

Main Nomination Confirmation Scheduled Q Beg Date: 04/01/2020 End Date:* 04/30/2020	uantity Storage			Storage Information
Beg Date: 04/01/2020 End Date:* 04/30/2020 4 >				
				Retrieve
Rpt Type Desc: Balance				Stmt D/T: 03/31/2020 2:37 PM
Contact Nam	e/Phone		🕀 ሷ 🚺 Open Stor K Bal 🛛 🖻	
E Dragtanet	e art new groups			
Sve Req K 🔺	Svs Req Name	Svc Req Stor Rate Sob	Bing Stor Bal End Stor Bal	
136774	ABC ENERGY BERVICES		21,727 411,727	

Contract Storage Balance by Day Report

- This report displays nomination and scheduling activity for a storage contract by gas day or month-to-date totals.
- To view this screen, select **Storage**, **Reports** and then **Contract Storage Balance By Day**.
- Select the format (i.e., **PDF** or **Excel**) to view the data.



Main Nomination Confirmation Scheduled Quantity Storage	Contract Storage Balance By Day Repo
Q Date: 04/01/2020 End Date:* 04/01/2020 4 > Svc Reg/Name: 599999999 ABC ENERGY SERVICES	O Excel

• Example of a PDF report generated.

						agement Syster er/Contract Re				Pa	D/T: 03/31/2020 : ge: 1 of:	2:40 pm 1
Contract Number:		t Number: 136774 Service Type: ID			Contract Sub Type:			Shipper Name	ABC	C ENERGY SERVICES		
Max Mor	nthly Injection:	0 Min	Monthly Injection:	0	Max Monthly W	ithdrawal:	0	Min Monthly	Vithdrawal:	0		
Loc: Loc Name:	I62389 DEMARC DEF	DELIVERY										
Beg Date	Nominated Injection (dth)	Scheduled Injection (dth)	Nominated Withdrawal (dth)	Scheduled Withdrawal (dth)	Balance Adjustment	Total Balance (dth)	Firm Balance (dth)	Interruptible Balance (dth)	Max Daily Injection (dth)	Min Daily Injection (dth)	Max Daily Withdrawal	Min Daily Withdrawal
4/1/20	3,000,000	390,000	0	0)	0 411,727	40,954	370,773	0	0	0	
Loc Total:	3,000,000	390,000	0	0								
Ctre Total:	3,000,000	390,000	0	0	-	0						
					***** END OF RE	PORT *****						

Imbalance To Storage Monthly Control Report

- This report displays data for an imbalance month by legal entity.
- To view this screen, select **Storage**, **Reports** and then **Imbalance To Storage Monthly Control**.

TMS (TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY	S Welcome: USER SMITH 🖨 🕒
Main Nomination Confirmation Scheduled Quantity Storage	Imbalance To Storage Monthly Control Report
Prod Mor* December 2019 View By: All Entitieen Sve Req Prop	© PDF © Exceel Rotrieve

Storage Balances By Day Report

- This report displays nomination and scheduling activity for a particular service type (i.e. FD, ID) for a gas day or date range.
- To view this screen, select **Storage**, **Reports** and then **Storage Balances By Day**.
- Select the format (i.e., **PDF** or **Excel**) to view the data.

TMS TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY	a 🖨
Main Nomination Confirmation Scheduled Quantity Storage	Storage Balances By Day Re
Mete [®] 01/01/2020 4 ♦ End Date [®] 01/31/2020 4 ♦ Svc Type Sector FD. Preferred Delivery FD. Preferred Delivery SW.Winter Peaking SD. Orating	O Excel O Excel