



Throughput Management System (TMS) User Manual





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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
-  Hover over any column heading to display the **Column Header Menu**. This provides the user with several options:
 - Select  to pin (move) or auto size a column(s)
 - Select  to choose filtering options
 - Select  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  and 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.

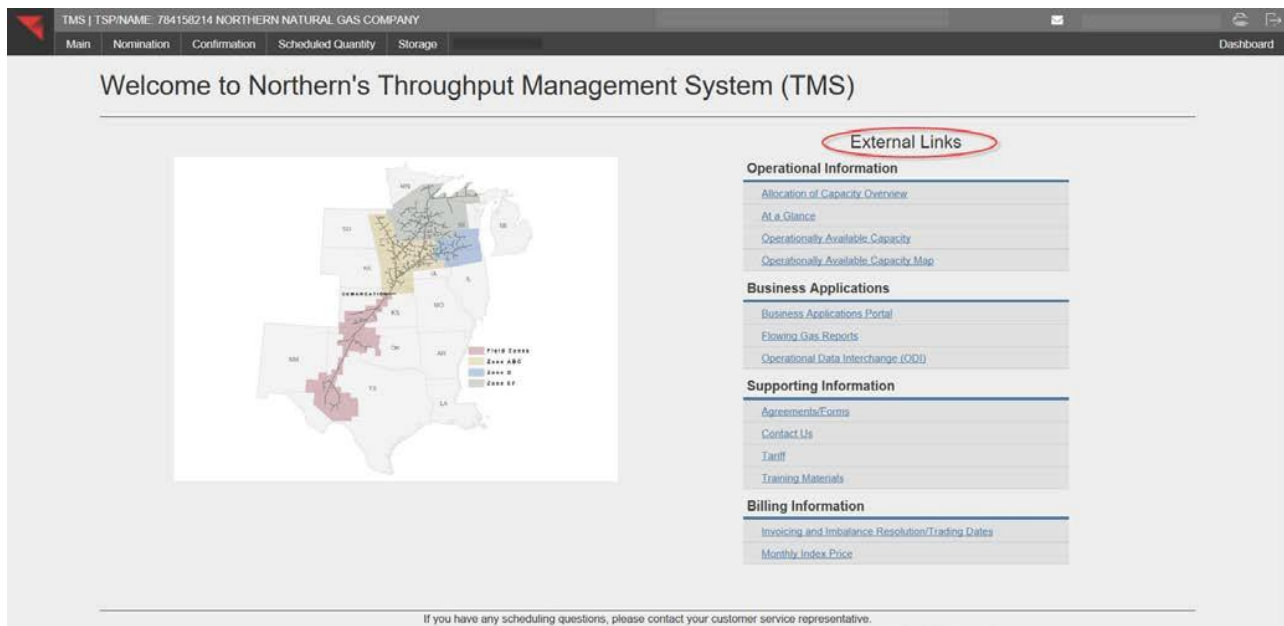
Main Menu

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**.



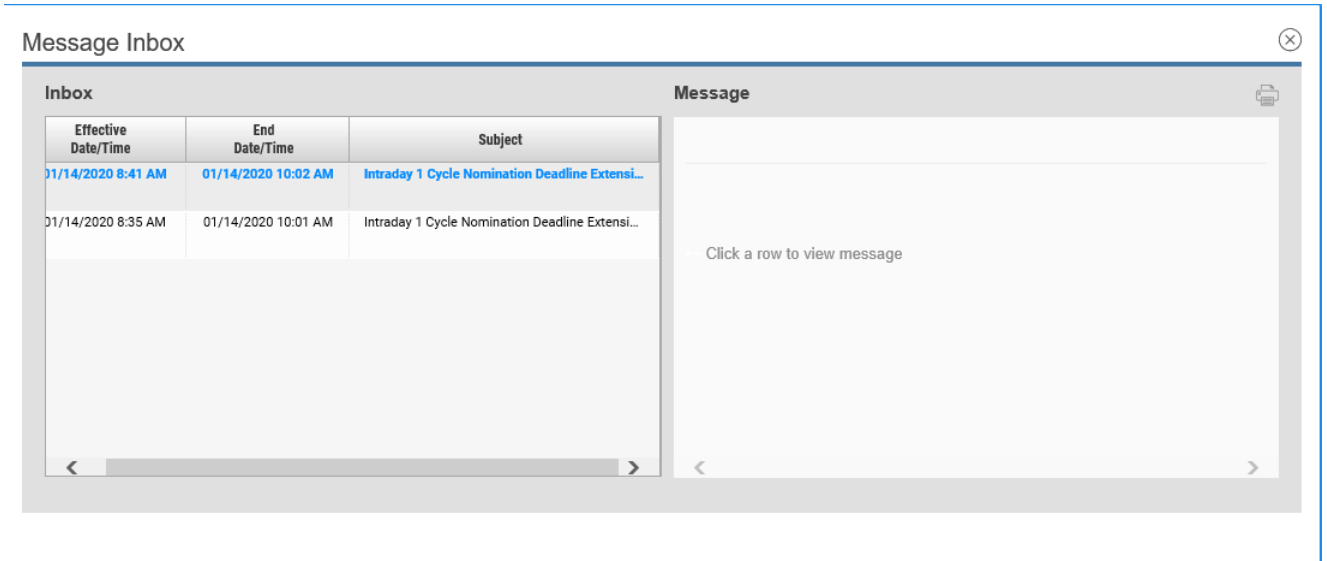
- **Dashboard** contains multiple external links. Each external link will open a new browser window and includes the following links:
 - Operational Information
 - Allocation of Capacity Overview, At a Glance, Operationally Available Capacity and Operationally Available Capacity Map
 - Business Applications
 - 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





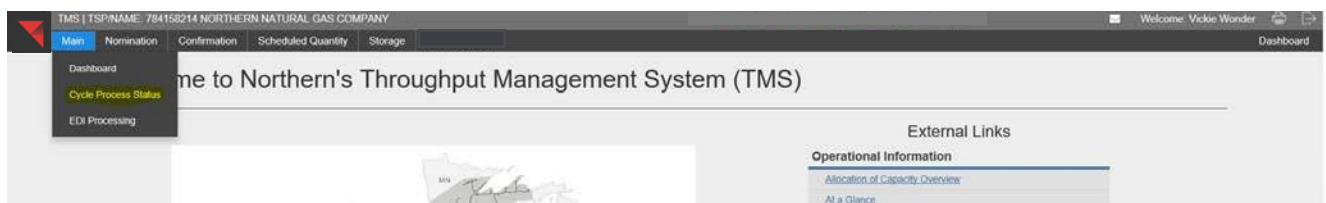
The envelope  in the upper right portion of the screen (message icon) shows all active messages (e.g., timeline extension) that Northern sends out. The number in **red** reflects the number of unread messages. The message icon will appear on each screen in TMS.

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



Cycle 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**.





- 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.

TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main

Nomination

Confirmation

Scheduled Quantity

Storage

Cycle Process Status

Gas Day: 02/19/2019

Retrieve

Gas Day: 02/18/2019

Cycle	Start Date/Time	End Date/Time
Timely Cycle		
Cycle Started	02/17/2019 12:00 AM	02/17/2019 1:25 PM
Balancing Completed	02/17/2019 12:00 AM	02/17/2019 1:31 PM
Throughput Allocated	02/17/2019 12:00 AM	02/17/2019 1:58 PM
Confirmations Completed	02/17/2019 12:00 AM	02/17/2019 4:36 PM
Storage Allocated (Withdrawal)	02/17/2019 12:00 AM	02/17/2019 4:51 PM
Cycle Completed	02/17/2019 12:00 AM	02/17/2019 4:52 PM
Notifications Completed	02/17/2019 12:00 AM	02/17/2019 4:56 PM
Evening Cycle		
Cycle Started	02/17/2019 12:00 AM	02/17/2019 6:25 PM
Balancing Completed	02/17/2019 12:00 AM	02/17/2019 6:30 PM
Throughput Not Allocated	02/17/2019 12:00 AM	02/17/2019 6:38 PM
Storage Allocated (Withdrawal)	02/17/2019 12:00 AM	02/17/2019 6:45 PM
Confirmations Completed	02/17/2019 12:00 AM	02/17/2019 8:41 PM
Cycle Completed	02/17/2019 12:00 AM	02/17/2019 8:42 PM
Notifications Completed	02/17/2019 12:00 AM	02/17/2019 8:46 PM
Non-Grid A.M. Cycle		
Cycle Started	02/18/2019 12:00 AM	02/18/2019 7:25 AM
Balancing Completed	02/18/2019 12:00 AM	02/18/2019 7:31 AM
Throughput Not Allocated	02/18/2019 12:00 AM	02/18/2019 7:35 AM
Storage Allocated (Withdrawal)	02/18/2019 12:00 AM	02/18/2019 7:42 AM
Confirmations Completed	02/18/2019 12:00 AM	02/18/2019 8:10 AM
Cycle Completed	02/18/2019 12:00 AM	02/18/2019 8:11 AM
Notifications Completed	02/18/2019 12:00 AM	02/18/2019 8:15 AM
Intraday 1 Cycle		
Cycle Started	02/18/2019 12:00 AM	02/18/2019 10:35.
Balancing Completed	02/18/2019 12:00 AM	02/18/2019 10:44.
Throughput Not Allocated	02/18/2019 12:00 AM	02/18/2019 10:53.
Storage Allocated (Withdrawal)	02/18/2019 12:00 AM	02/18/2019 11:00.
Confirmations Completed	02/18/2019 12:00 AM	02/18/2019 12:42.
Profile Forecasted	02/18/2019 12:00 AM	02/18/2019 12:42.

Gas Day: 02/19/2019

Cycle	Start Date/Time	End Date/Time
Timely Cycle		
Cycle Started	02/18/2019 12:00 AM	02/18/2019 1:25 PM
Balancing Completed	02/18/2019 12:00 AM	02/18/2019 1:30 PM
Throughput Allocated	02/18/2019 12:00 AM	02/18/2019 2:05 PM
Confirmations Completed	02/18/2019 12:00 AM	02/18/2019 4:37 PM
Storage Allocated (Withdrawal)	02/18/2019 12:00 AM	02/18/2019 4:51 PM
Cycle Completed	02/18/2019 12:00 AM	02/18/2019 4:52 PM
Notifications Completed	02/18/2019 12:00 AM	02/18/2019 4:56 PM
Evening Cycle		
Cycle Started	02/18/2019 12:00 AM	02/18/2019 6:25 PM
Balancing Completed	02/18/2019 12:00 AM	02/18/2019 6:29 PM
Throughput Not Allocated	02/18/2019 12:00 AM	02/18/2019 6:33 PM
Storage Allocated (Withdrawal)	02/18/2019 12:00 AM	02/18/2019 6:38 PM
Confirmations Completed	02/18/2019 12:00 AM	02/18/2019 8:40 PM
Cycle Completed	02/18/2019 12:00 AM	02/18/2019 8:41 PM
Notifications Completed	02/18/2019 12:00 AM	02/18/2019 8:45 PM
Non-Grid A.M. Cycle		
Cycle Started	02/19/2019 12:00 AM	02/19/2019 7:25 AM
Balancing Completed	02/19/2019 12:00 AM	02/19/2019 7:32 AM
Throughput Not Allocated	02/19/2019 12:00 AM	02/19/2019 7:45 AM
Storage Allocated (Withdrawal)	02/19/2019 12:00 AM	02/19/2019 7:52 AM
Confirmations Completed	02/19/2019 12:00 AM	02/19/2019 8:10 AM
Cycle Completed	02/19/2019 12:00 AM	02/19/2019 8:11 AM
Notifications Completed	02/19/2019 12:00 AM	02/19/2019 8:16 AM
Intraday 1 Cycle		
Cycle Started	02/19/2019 12:00 AM	02/19/2019 10:25.
Balancing Completed	02/19/2019 12:00 AM	02/19/2019 10:34.
Throughput Allocated	02/19/2019 12:00 AM	02/19/2019 10:48.
Storage Allocated (Withdrawal)	02/19/2019 12:00 AM	02/19/2019 10:56.
Confirmations Completed	02/19/2019 12:00 AM	02/19/2019 12:42.
Profile Forecasted	02/19/2019 12:00 AM	02/19/2019 12:42.




Gas Day: 02/20/2019

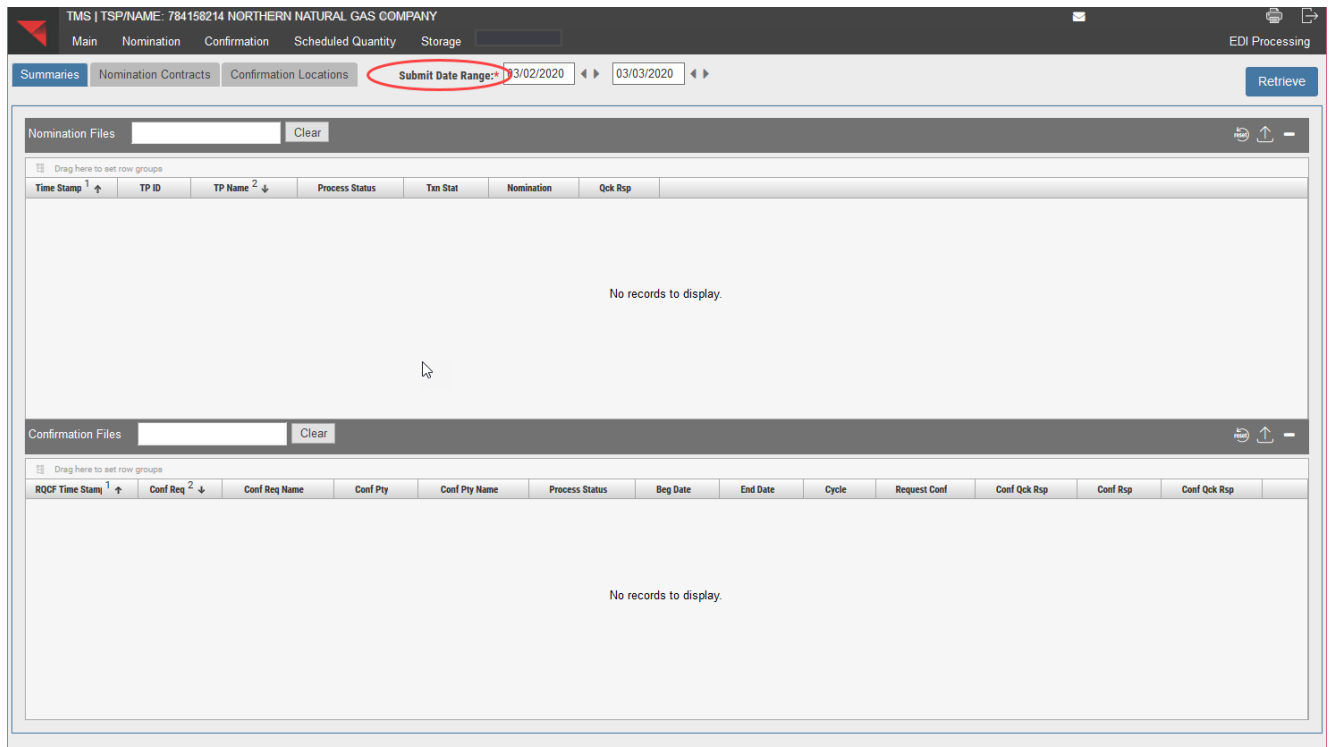
Cycle	Start Date/Time	End Date/Time
Timely Cycle		
Cycle Started	02/19/2019 12:00 AM	02/19/2019 1:25 PM
Balancing Completed	02/19/2019 12:00 AM	02/19/2019 1:30 PM
Throughput Allocated	02/19/2019 12:00 AM	02/19/2019 1:57 PM
Confirmations Completed	02/19/2019 12:00 AM	02/19/2019 4:37 PM
Storage Allocated (Withdrawal)	02/19/2019 12:00 AM	02/19/2019 4:46 PM
Cycle Completed	02/19/2019 12:00 AM	02/19/2019 4:47 PM
Notifications Completed	02/19/2019 12:00 AM	02/19/2019 4:52 PM
Evening Cycle		
Cycle Started	02/19/2019 12:00 AM	02/19/2019 6:25 PM
Balancing Completed	02/19/2019 12:00 AM	02/19/2019 6:29 PM
Throughput Not Allocated	02/19/2019 12:00 AM	02/19/2019 6:33 PM
Storage Allocated (Withdrawal)	02/19/2019 12:00 AM	02/19/2019 6:38 PM
Confirmations Completed	02/19/2019 12:00 AM	02/19/2019 8:40 PM
Cycle Completed	02/19/2019 12:00 AM	02/19/2019 8:41 PM
Notifications Completed	02/19/2019 12:00 AM	02/19/2019 8:45 PM
Non-Grid A.M. Cycle		
Cycle Started	02/20/2019 12:00 AM	02/20/2019 7:25 AM
Balancing Completed	02/20/2019 12:00 AM	02/20/2019 7:31 AM
Throughput Not Allocated	02/20/2019 12:00 AM	02/20/2019 7:35 AM
Storage Allocated (Withdrawal)	02/20/2019 12:00 AM	02/20/2019 7:43 AM
Confirmations Completed	02/20/2019 12:00 AM	02/20/2019 8:10 AM
Cycle Completed	02/20/2019 12:00 AM	02/20/2019 8:11 AM
Notifications Completed	02/20/2019 12:00 AM	02/20/2019 8:17 AM
Intraday 1 Cycle		
Cycle Started	02/20/2019 12:00 AM	02/20/2019 10:25.
Balancing Completed	02/20/2019 12:00 AM	02/20/2019 10:34.
Throughput Not Allocated	02/20/2019 12:00 AM	02/20/2019 10:44.
Storage Allocated (Withdrawal)	02/20/2019 12:00 AM	02/20/2019 10:50.
Confirmations Completed	02/20/2019 12:00 AM	02/20/2019 12:42.
Profile Forecasted	02/20/2019 12:00 AM	02/20/2019 12:42.

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**.



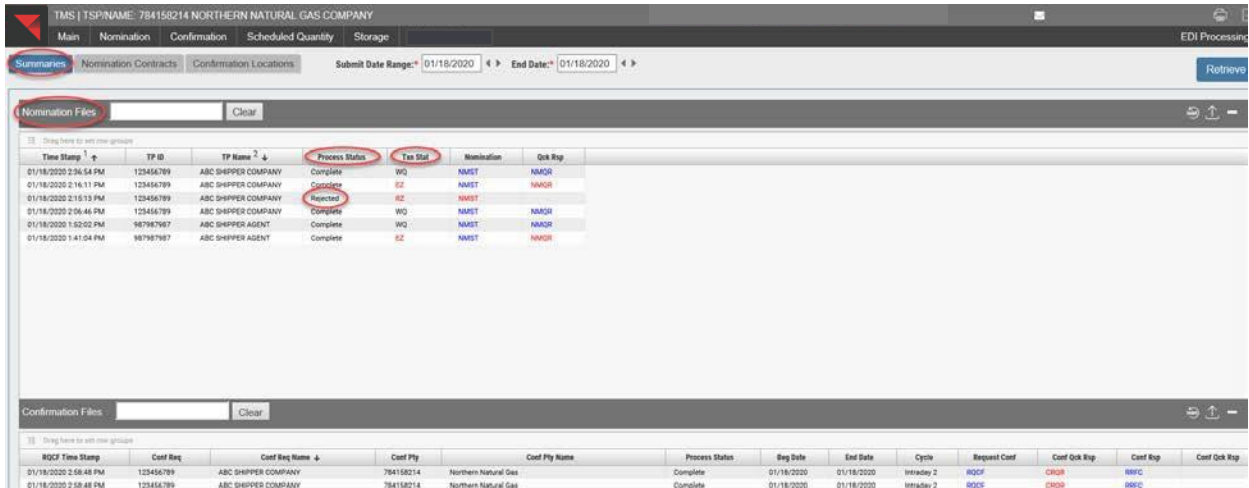
- There are three sections to view: **Summaries, Nomination Contracts and Confirmation Locations**.
- Files with time stamps within the **Submit Date Range** will be displayed in the results, irrespective of the gas day; up to one month of data can be viewed at a time.
-  **Retrieve button** updates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



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:



The screenshot shows the Northern Natural Gas EDI Processing interface. The top navigation bar includes links for Main, Nomination, Confirmation, Scheduled Quantity, and Storage. Below this, there are tabs for Summaries, Nomination Contracts, and Confirmation Locations. The main content area is divided into two sections: Nomination Files and Confirmation Files. The Nomination Files section displays a table with columns: Time Stamp, TP ID, TP Name, Process Status, Txn Stat, Nomination, and Qck Rsp. The Confirmation Files section displays a table with columns: BQF Time Stamp, Conf Req, Conf Req Name, Conf Pfy, Conf Pfy Name, Process Status, Beg Date, End Date, Cycle, Request Conf, Conf Qck Rsp, Conf Rsp, and Conf Qck Rsp.

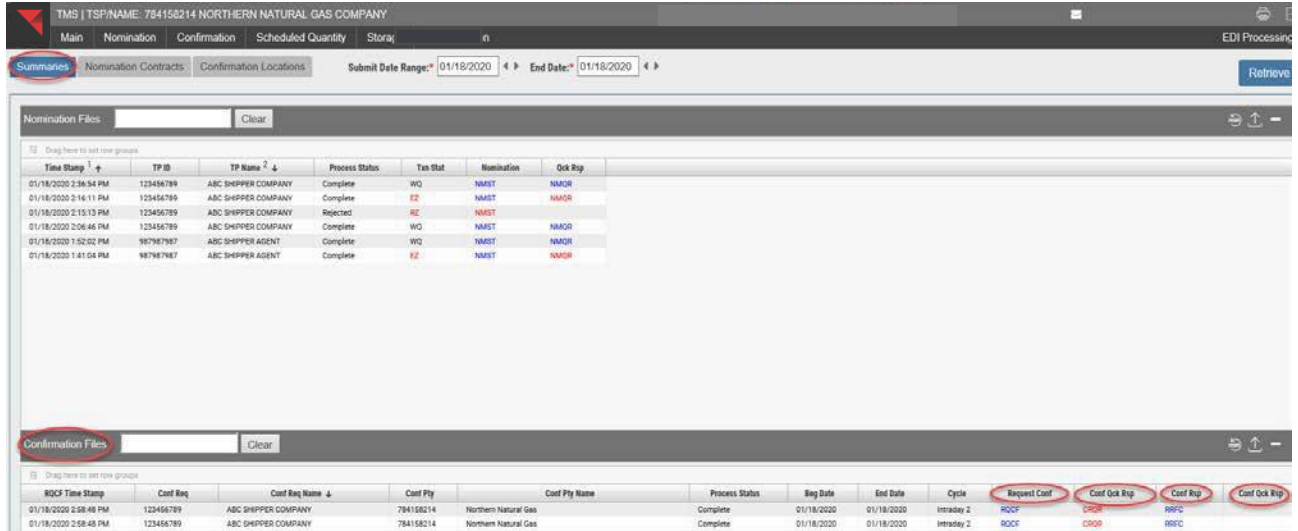
Time Stamp	TP ID	TP Name	Process Status	Txn Stat	Nomination	Qck Rsp
01/18/2020 2:56:54 PM	123456789	ABC SHIPPER COMPANY	Complete	WQ	NAEST	NAQR
01/18/2020 2:16:11 PM	123456789	ABC SHIPPER COMPANY	Complete	EZ	NAEST	NAQR
01/18/2020 2:15:13 PM	123456789	ABC SHIPPER COMPANY	Rejected	RZ	NAEST	NAQR
01/18/2020 2:06:46 PM	123456789	ABC SHIPPER COMPANY	Complete	WQ	NAEST	NAQR
01/18/2020 1:52:02 PM	987654321	ABC SHIPPER AGENT	Complete	WQ	NAEST	NAQR
01/18/2020 1:41:04 PM	987654321	ABC SHIPPER AGENT	Complete	EZ	NAEST	NAQR

BQF Time Stamp	Conf Req	Conf Req Name	Conf Pfy	Conf Pfy Name	Process Status	Beg Date	End Date	Cycle	Request Conf	Conf Qck Rsp	Conf Rsp	Conf Qck Rsp
01/18/2020 2:56:48 PM	123456789	ABC SHIPPER COMPANY	784158214	Northern Natural Gas	Complete	01/18/2020	01/18/2020	Intraday 2	RQCF	CRQR	RRFC	
01/18/2020 2:56:48 PM	123456789	ABC SHIPPER COMPANY	784158214	Northern Natural Gas	Complete	01/18/2020	01/18/2020	Intraday 2	RQCF	CRQR	RRFC	

*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:



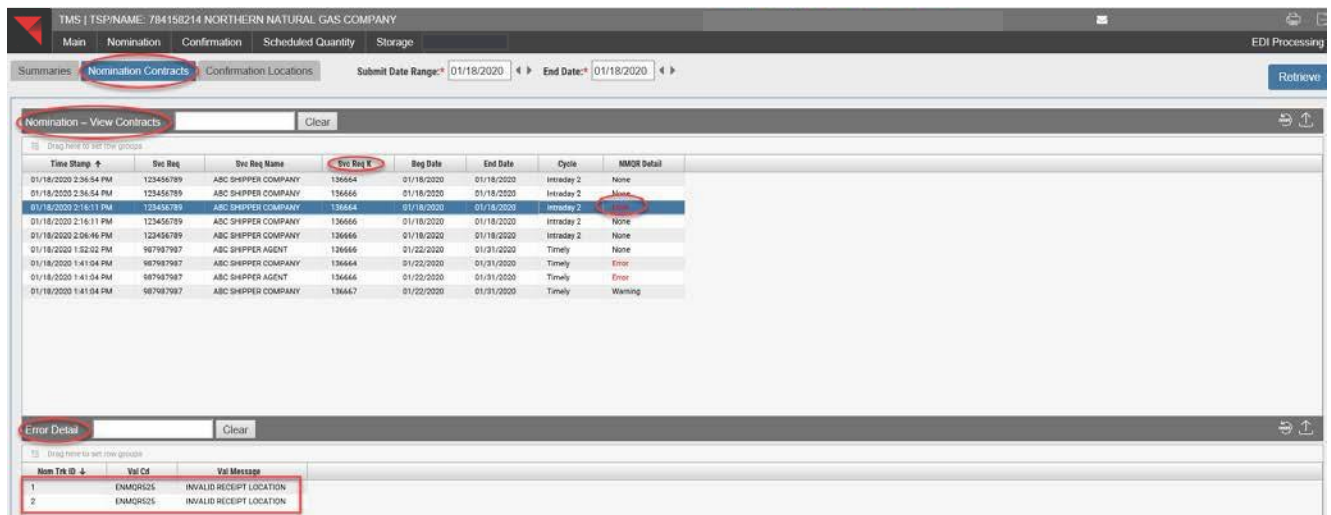
Time Stamp	TP ID	TP Name	Process Status	Tm Stat	Nomination	Qck Rsp
01/18/2020 2:36:54 PM	123456789	ABC SHIPPER COMPANY	Complete	WQ	NMST	NMQR
01/18/2020 2:16:11 PM	123456789	ABC SHIPPER COMPANY	Complete	EZ	NMST	NMQR
01/18/2020 2:13:13 PM	123456789	ABC SHIPPER COMPANY	Rejected	RZ	NMST	NMQR
01/18/2020 2:06:46 PM	123456789	ABC SHIPPER COMPANY	Complete	WQ	NMST	NMQR
01/18/2020 1:52:02 PM	987654321	ABC SHIPPER AGENT	Complete	WQ	NMST	NMQR
01/18/2020 1:41:04 PM	987654321	ABC SHIPPER AGENT	Complete	EZ	NMST	NMQR

RQCF Time Stamp	Conf Req	Conf Req Name	Conf Pty	Conf Pty Name	Process Status	Beg Date	End Date	Cycle	Request Conf	Conf Qck Rsp	Conf Rsp	Conf Qck Rsp
01/18/2020 2:58:48 PM	123456789	ABC SHIPPER COMPANY	794158214	Northern Natural Gas	Complete	01/18/2020	01/18/2020	Intraday 2	RQCF	CONF	RQCF	CONF
01/18/2020 2:58:48 PM	123456789	ABC SHIPPER COMPANY	794158214	Northern Natural Gas	Complete	01/18/2020	01/18/2020	Intraday 2	RQCF	CONF	RQCF	CONF

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 (hyperlink)	Confirmation Quick Response: Contains errors or warnings for the 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 Rsp (hyperlink)	Confirmation Response: 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.



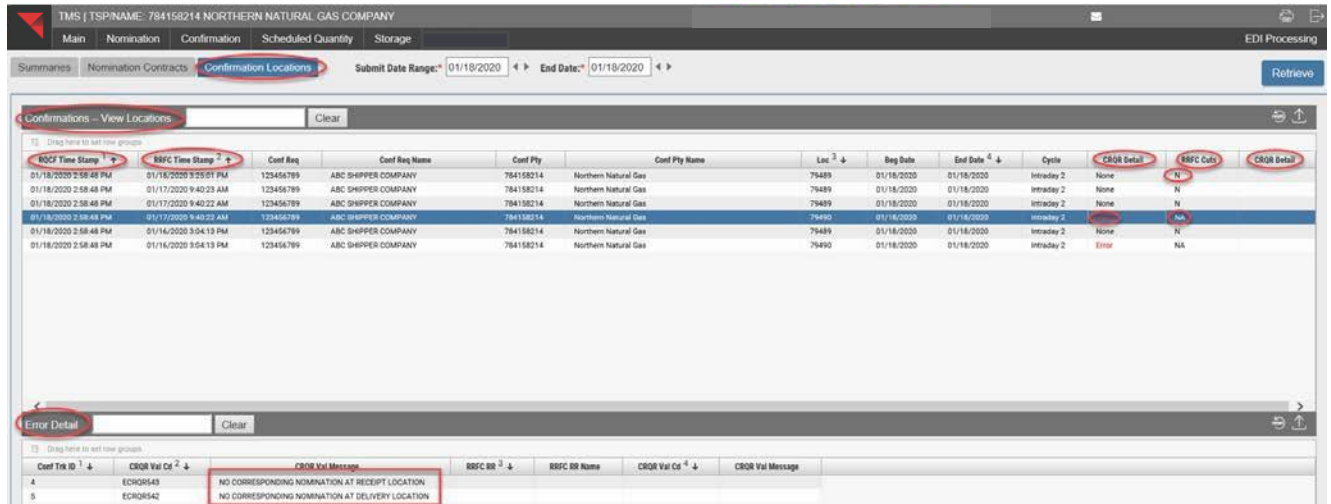
Time Stamp	Svc Req	Svc Req Name	Svc Req ID	Beg Date	End Date	Cycle	NMQR Detail
01/18/2020 2:34:54 PM	123456789	ABC SHEPPER COMPANY	136664	01/18/2020	01/18/2020	Intraday 2	None
01/18/2020 2:34:54 PM	123456789	ABC SHEPPER COMPANY	136666	01/18/2020	01/18/2020	Intraday 2	None
01/18/2020 2:34:54 PM	123456789	ABC SHEPPER COMPANY	136668	01/18/2020	01/18/2020	Intraday 2	None
01/18/2020 2:34:54 PM	123456789	ABC SHEPPER COMPANY	136666	01/18/2020	01/18/2020	Intraday 2	None
01/18/2020 2:34:54 PM	123456789	ABC SHEPPER COMPANY	136666	01/18/2020	01/18/2020	Intraday 2	None
01/18/2020 1:52:02 PM	987654321	ABC SHEPPER AGENT	136666	01/22/2020	01/31/2020	Timely	None
01/18/2020 1:41:04 PM	987654321	ABC SHEPPER COMPANY	136664	01/22/2020	01/31/2020	Timely	Error
01/18/2020 1:41:04 PM	987654321	ABC SHEPPER AGENT	136666	01/22/2020	01/31/2020	Timely	Error
01/18/2020 1:41:04 PM	987654321	ABC SHEPPER COMPANY	136667	01/22/2020	01/31/2020	Timely	Warning

Nom Trk ID	Val Ctl	Val Message
1	ENMQR25	INVALID RECEIPT LOCATION
2	ENMQR25	INVALID RECEIPT LOCATION

- **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.



RQCF Time Stamp	RRFC Time Stamp	Conf Req	Conf Req Name	Conf Pky	Conf Pky Name	Loc	Beg Date	End Date	Cycle	CRQR Detail	RRFC Cuts	CRQR Detail
01/18/2020 2:58:48 PM	01/18/2020 3:25:01 PM	123456789	ABC SHIPPER COMPANY	784158214	Northern Natural Gas	78489	01/18/2020	01/18/2020	Intraday 2	None	N	
01/18/2020 2:58:48 PM	01/17/2020 9:40:23 AM	123456789	ABC SHIPPER COMPANY	784158214	Northern Natural Gas	78489	01/18/2020	01/18/2020	Intraday 2	None	N	
01/18/2020 2:58:48 PM	01/17/2020 9:40:22 AM	123456789	ABC SHIPPER COMPANY	784158214	Northern Natural Gas	78489	01/18/2020	01/18/2020	Intraday 2	None	N	
01/18/2020 2:58:48 PM	01/17/2020 9:40:22 AM	123456789	ABC SHIPPER COMPANY	784158214	Northern Natural Gas	78490	01/18/2020	01/18/2020	Intraday 2	None	N	
01/18/2020 2:58:48 PM	01/16/2020 3:04:13 PM	123456789	ABC SHIPPER COMPANY	784158214	Northern Natural Gas	78489	01/18/2020	01/18/2020	Intraday 2	None	N	
01/18/2020 2:58:48 PM	01/16/2020 3:04:13 PM	123456789	ABC SHIPPER COMPANY	784158214	Northern Natural Gas	78490	01/18/2020	01/18/2020	Intraday 2	Error	NA	

Conf Trk ID	CRQR Val	CRQR Val Message	RRFC RR	RRFC RR Name	CRQR Val	CRQR Val Message
4	ECRQR543	NO CORRESPONDING NOMINATION AT RECEIPT LOCATION				
5	ECRQR542	NO CORRESPONDING NOMINATION AT DELIVERY LOCATION				

- **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 for all 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.



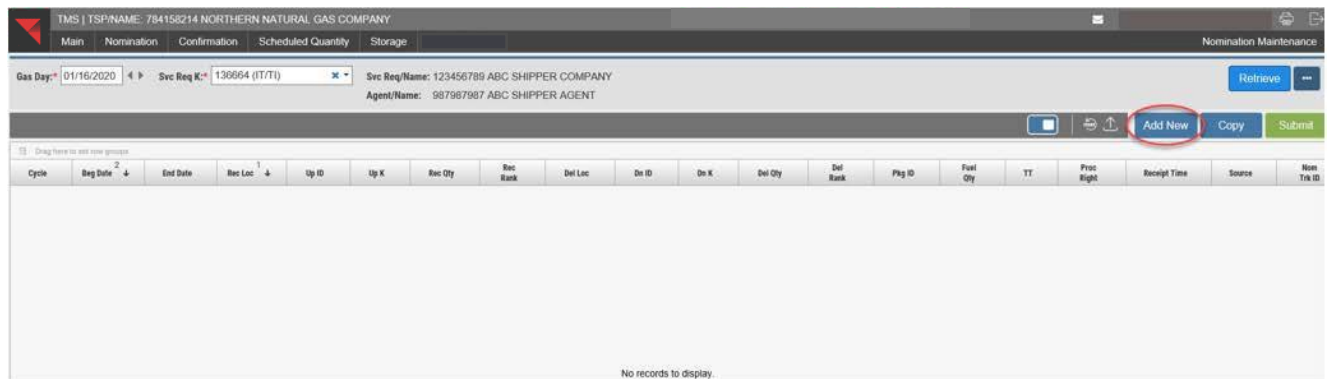
The screenshot shows the 'Nomination Maintenance' screen. At the top, there's a navigation bar with 'Main', 'Nomination', 'Confirmation', 'Scheduled Quantity', and 'Storage'. Below this, the 'Gas Day' field is set to '01/16/2020' with a calendar icon. To the right, the 'Svc Req K' field is empty. A 'Retrieve' button is on the far right.

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



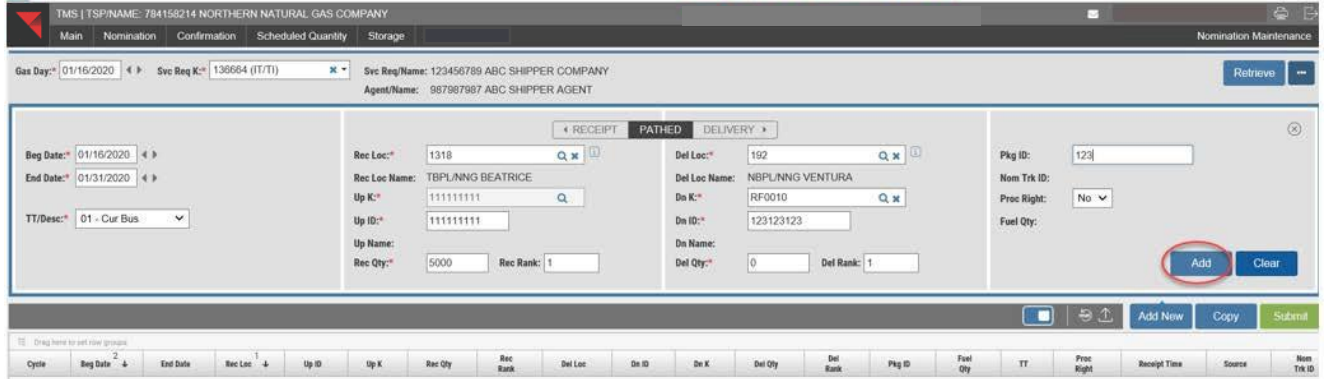
The screenshot shows the 'Nomination Maintenance' screen with search results. The 'Gas Day' is '01/16/2020' and 'Svc Req K' is '139664'. A dropdown menu shows results for '139664 (IT/IT)' under 'ABC SHIPPER COMPANY'. There are 'Results' and 'Advanced Search' buttons. A 'Retrieve' button is on the right.

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

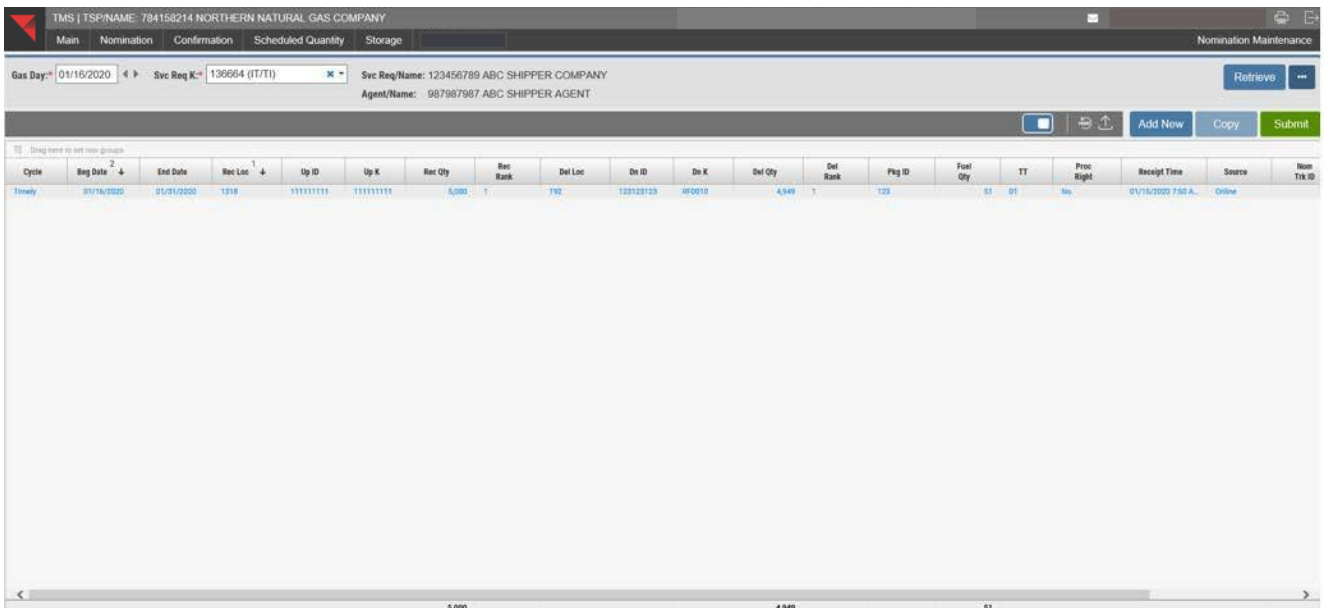


The screenshot shows the 'Nomination Maintenance' screen with the 'Add New' button highlighted. The 'Gas Day' is '01/16/2020' and 'Svc Req K' is '139664 (IT/IT)'. Below the search fields, there's a table with columns: Cycle, Beg Date, End Date, Rec Loc, Up ID, Up K, Rec Qty, Rec Rank, Del Loc, On ID, On K, Del Qty, Del Rank, Pkg ID, Port Qty, TT, Proc Right, Receipt Time, Source, and Non T/A ID. The table is currently empty, and a message at the bottom says 'No records to display.'

- When the grid entry form opens enter the data and select **Add**.

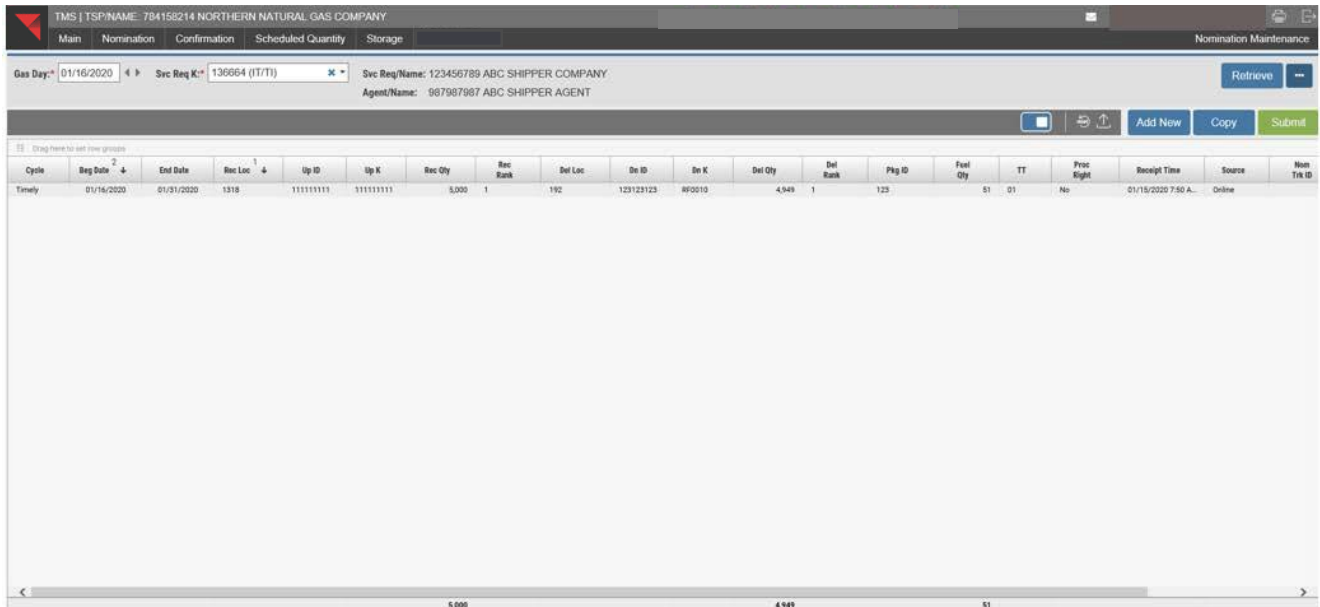


- The new record will be **blue** in color.



Cycle	Beg Date	End Date	Rec Loc	Up ID	Up K	Rec Qty	Rec Rank	Del Loc	Del ID	Del K	Del Qty	Del Rank	Pkg ID	Fuel Qty	TT	Proc Right	Receipt Time	Source	Nom Trk ID
Timely	01/16/2020	01/21/2020	1318	111111111	111111111	5,000	1	192	123123123	RF0010	4,949	1	123	01	01	No	01/15/2020 7:50 A.	Online	

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



TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage

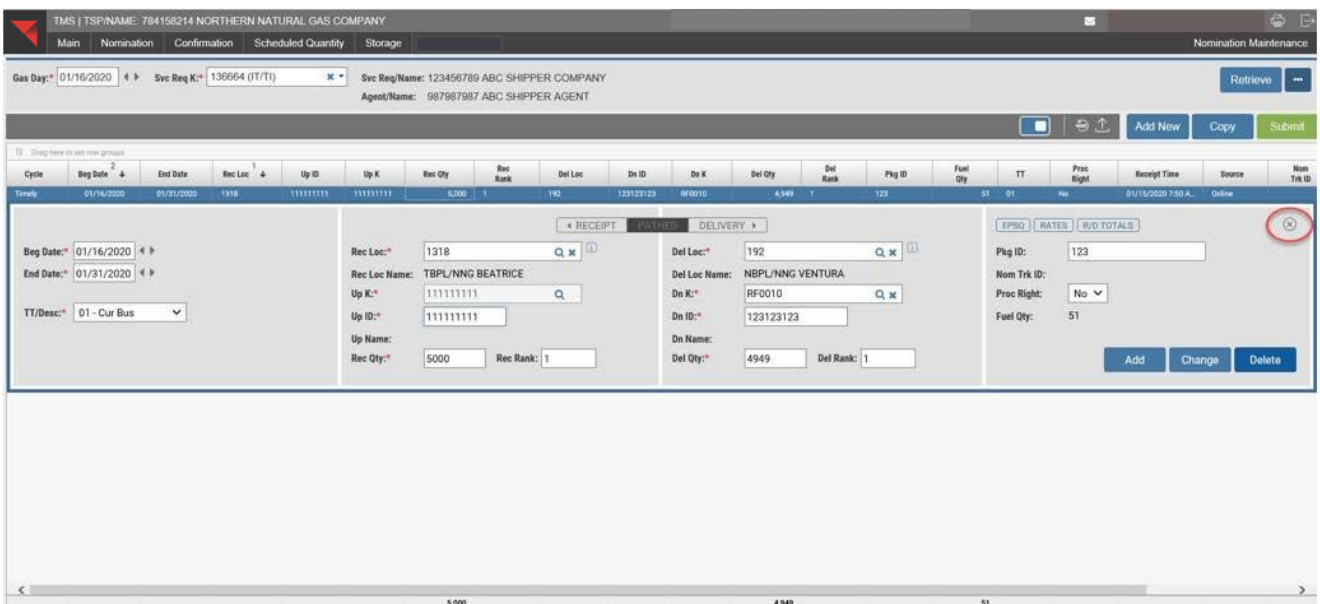
Gas Day: 01/16/2020 Svc Req K: 136664 (IT/TT) Svc Req/Name: 123456789 ABC SHIPPER COMPANY Agent/Name: 987987987 ABC SHIPPER AGENT

Retrieve Add New Copy Submit

Cycle	Reg Date	End Date	Rec Loc	Up ID	Up K	Rec Qty	Rec Rank	Del Loc	Del ID	Del K	Del Qty	Del Rank	Pkg ID	Fuel Qty	TT	Proc Right	Receipt Time	Source	Nom Trk ID
Timely	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	

5,000 4,949 51

- 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**.



TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage

Gas Day: 01/16/2020 Svc Req K: 136664 (IT/TT) Svc Req/Name: 123456789 ABC SHIPPER COMPANY Agent/Name: 987987987 ABC SHIPPER AGENT

Retrieve Add New Copy Submit

Drag here to add new groups

Cycle	Reg Date	End Date	Rec Loc	Up ID	Up K	Rec Qty	Rec Rank	Del Loc	Del ID	Del K	Del Qty	Del Rank	Pkg ID	Fuel Qty	TT	Proc Right	Receipt Time	Source	Nom Trk ID
Timely	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	

5,000 4,949 51

RECEIPT PARTIAL DELIVERY

Reg Date: 01/16/2020 End Date: 01/31/2020 TT/Desc: 01 - Cur Bus

Rec Loc: 1318 Rec Loc Name: TBPL/NNG BEATRICE Up K: 111111111 Up ID: 111111111 Up Name: Rec Qty: 5000 Rec Rank: 1

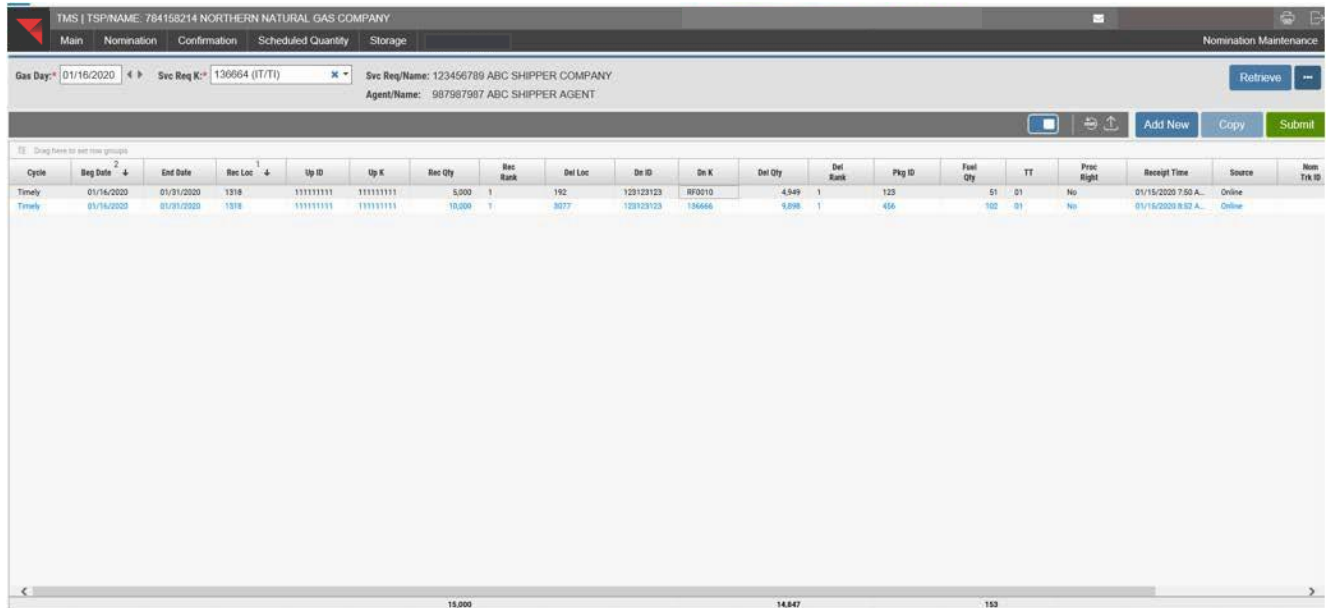
Del Loc: 192 Del Loc Name: NBPL/NNG VENTURA Del K: RF0010 Del ID: 123123123 Del Name: Del Qty: 4949 Del Rank: 1

Pkg ID: 123 Nom Trk ID: Proc Right: No Fuel Qty: 51

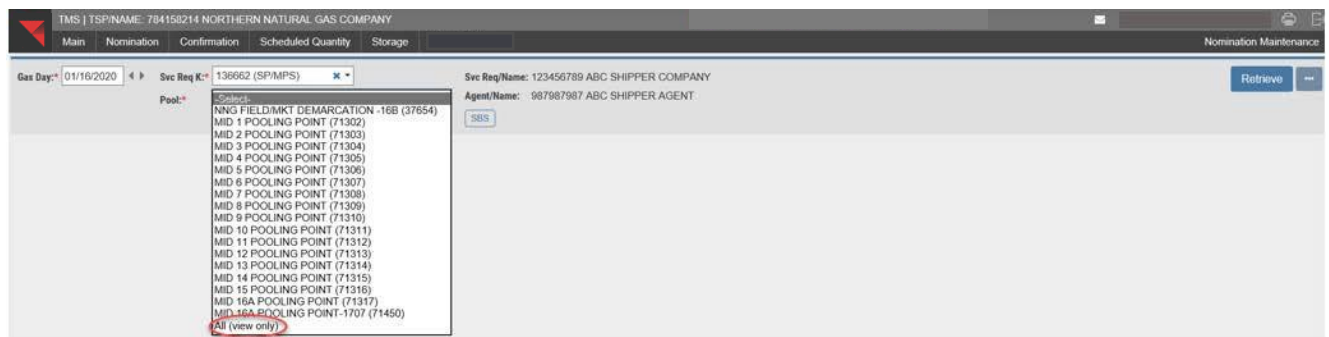
Add Change Delete

5,000 4,949 51

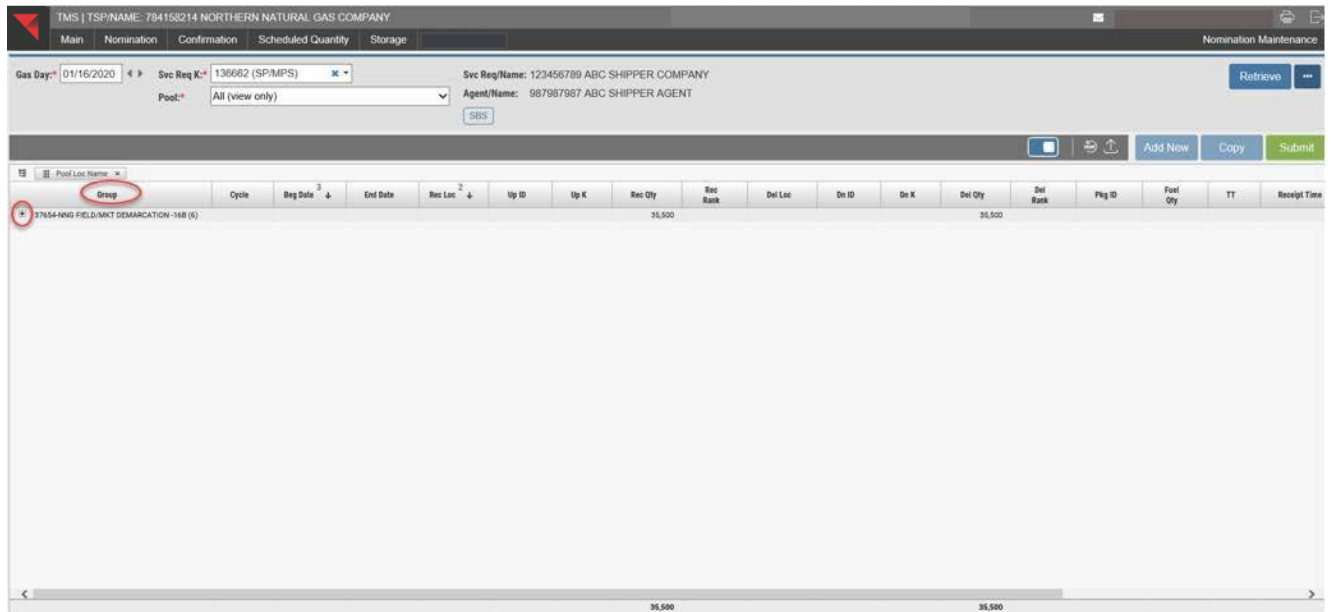
- The new record added or changed is in **blue** and then changes to **black** once user selects **Submit**.



- 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.



TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage

Gas Day: 01/16/2020 Svc Req K: 136662 (SP/MP) Svc Req/Name: 123456789 ABC SHIPPER COMPANY
Pool: All (view only) Agent/Name: 987987987 ABC SHIPPER AGENT

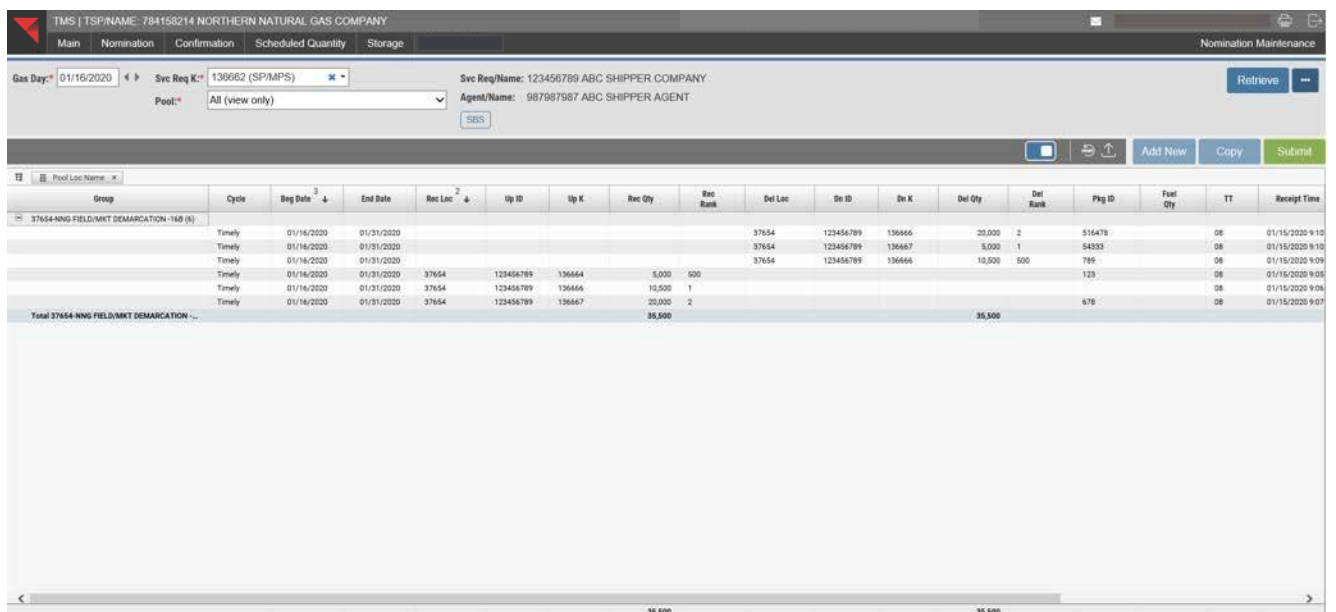
Retrieve

Add New Copy Submit

Group	Cycle	Reg Date	End Date	Rec Loc	Up ID	Up K	Rec Qty	Rec Rank	Del Loc	De ID	De K	Del Qty	Del Rank	Plg ID	Prod Qty	TT	Receipt Time
37654-NNG FIELD/MKT DEMARCATION-16B (6)							35,500					35,500					

35,500 35,500

- Six records are displayed.



TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage

Gas Day: 01/16/2020 Svc Req K: 136662 (SP/MP) Svc Req/Name: 123456789 ABC SHIPPER COMPANY
Pool: All (view only) Agent/Name: 987987987 ABC SHIPPER AGENT

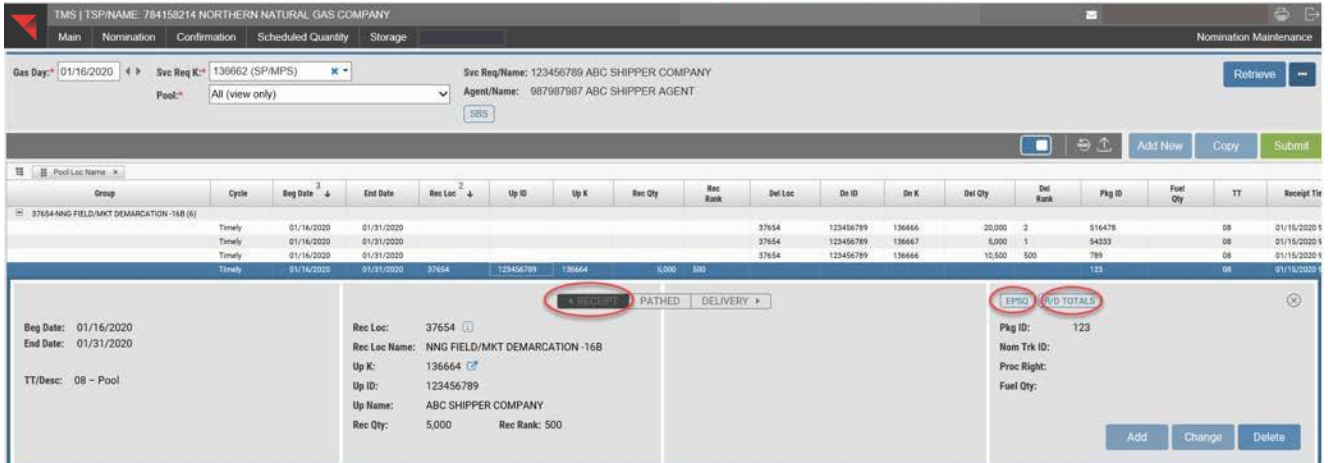
Retrieve

Add New Copy Submit

Group	Cycle	Reg Date	End Date	Rec Loc	Up ID	Up K	Rec Qty	Rec Rank	Del Loc	De ID	De K	Del Qty	Del Rank	Plg ID	Prod Qty	TT	Receipt Time
37654-NNG FIELD/MKT DEMARCATION-16B (6)	Timely	01/16/2020	01/31/2020						37654	123456789	136666	20,000	2	516478		06	01/15/2020 9:10
	Timely	01/16/2020	01/31/2020						37654	123456789	136667	5,000	1	54333		08	01/15/2020 9:10
	Timely	01/16/2020	01/31/2020	37654					37654	123456789	136666	10,500	500	795		06	01/15/2020 9:09
	Timely	01/16/2020	01/31/2020	37654	123456789	136664	5,000	500						123		06	01/15/2020 9:08
	Timely	01/16/2020	01/31/2020	37654	123456789	136664	10,500	1								06	01/15/2020 9:08
	Timely	01/16/2020	01/31/2020	37654	123456789	136667	20,000	2						676		06	01/15/2020 9:07
Total 37654-NNG FIELD/MKT DEMARCATION-16B (6)							35,500					35,500					

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.
- When the **EPSQ** and **R/D TOTALS** buttons are selected, a modal window will be launched showing additional information.



TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage

Gas Day: 01/16/2020 Svc Req ID: 136662 (SP/MP) Svc Req/Name: 123456789 ABC SHIPPER COMPANY Agent/Name: 987987987 ABC SHIPPER AGENT

Pool: All (view only)

Buttons: Add New Copy Submit

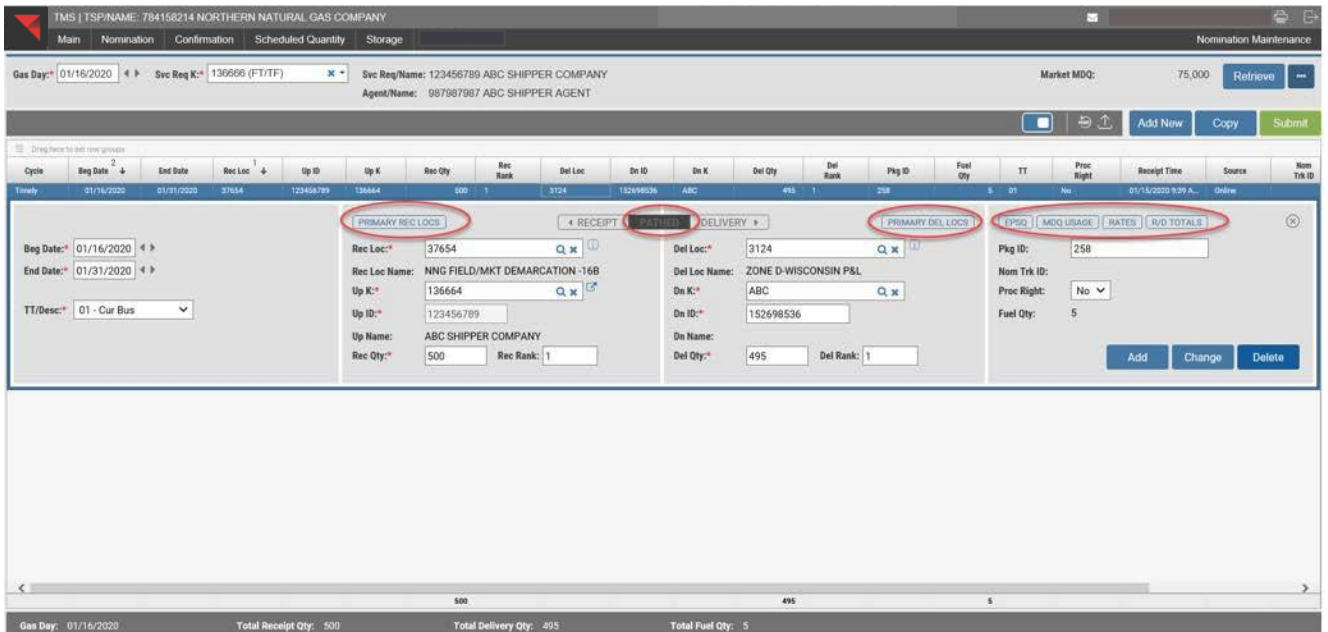
Group	Cycle	Reg Date	End Date	Rec Loc	Up ID	Up K	Rec Qty	Rec Rank	Del Loc	On ID	On K	Del Qty	Del Rank	Pkg ID	Fuel Qty	TT	Receipt Time
37654-NNG FIELD/MKT DEMARCATION -16B (6)	Timely	01/16/2020	01/31/2020	37654	123456789	136664	5,000	500	37654	123456789	136664	10,500	500	123	789	08	01/15/2020 1

Reg Date: 01/16/2020
End Date: 01/31/2020
TT/Desc: 08 - Pool

Rec Loc: 37654
Rec Loc Name: NNG FIELD/MKT DEMARCATION -16B
Up K: 136664
Up ID: 123456789
Up Name: ABC SHIPPER COMPANY
Rec Qty: 5,000 Rec Rank: 500

Buttons: Add Change 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.



TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage

Gas Day: 01/16/2020 Svc Req ID: 136666 (FT/TF) Svc Req/Name: 123456789 ABC SHIPPER COMPANY Agent/Name: 987987987 ABC SHIPPER AGENT

Market MDQ: 75,000

Buttons: Add New Copy Submit

Cycle	Reg Date	End Date	Rec Loc	Up ID	Up K	Rec Qty	Rec Rank	Del Loc	On ID	On K	Del Qty	Del Rank	Pkg ID	Fuel Qty	TT	Proc Right	Receipt Time	Source	Nom Trk ID
Timely	01/16/2020	01/31/2020	37654	123456789	136664	500	1	3124	152698536	ABC	495	1	258	5	01	No	01/15/2020 9:39 A.	Online	

Buttons: Add Change Delete

Reg Date: 01/16/2020
End Date: 01/31/2020
TT/Desc: 01 - Car Bus

Rec Loc: 37654
Rec Loc Name: NNG FIELD/MKT DEMARCATION -16B
Up K: 136664
Up ID: 123456789
Up Name: ABC SHIPPER COMPANY
Rec Qty: 500 Rec Rank: 1

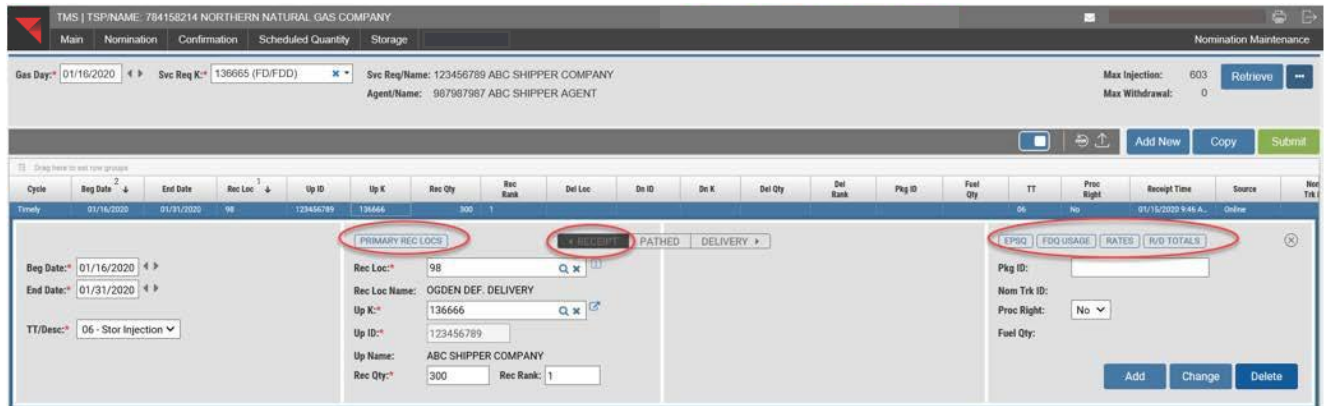
Del Loc: 3124
Del Loc Name: ZONE D-WISCONSIN P&L
On K: ABC
On ID: 152698536
On Name: ABC
Del Qty: 495 Del Rank: 1



Buttons: Add Change Delete

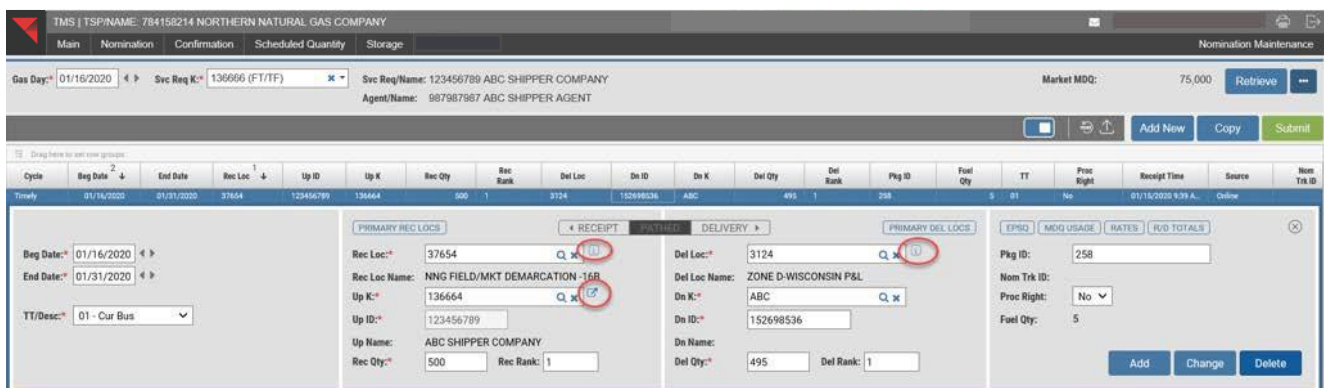
Buttons: PRIMARY REC LOCS PATHED PRIMARY DEL LOCS EPSQ MDQ USAGE RATES R/D TOTALS




Gas Day: 01/16/2020 Total Receipt Qty: 500 Total Delivery Qty: 495 Total Fuel Qty: 5




- 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.

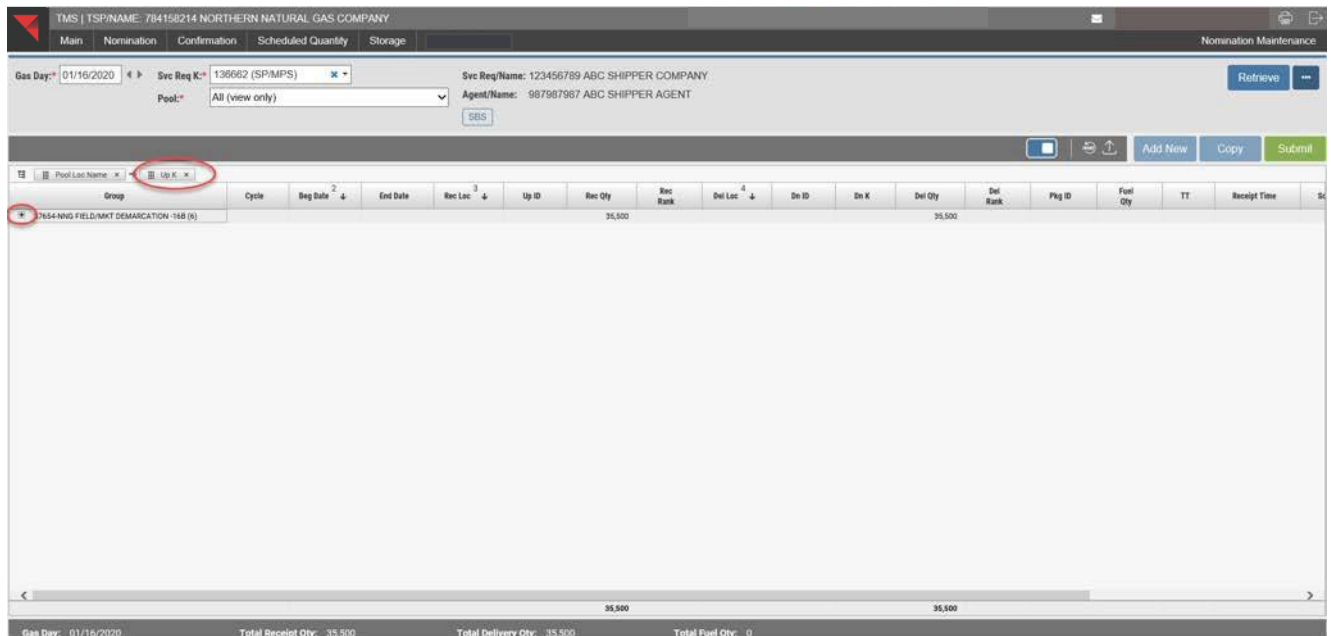


- Select the  button to the right of the **Rec Loc** and **Del Loc** fields to open the location detail information.
- Select the  button to the right of the **Up K** or **Dn K** fields to open the upstream or downstream contract.




- 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 . 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  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 - . 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.



The screenshot shows the TMS interface with the 'Nomination Maintenance' tab selected. The 'Gas Day' is set to 01/16/2020. The 'Svc Req K' is 136662 (SP/MP). The 'Svc Req/Name' is 123456789 ABC SHIPPER COMPANY. The 'Agent/Name' is 987987987 ABC SHIPPER AGENT. The 'Pool' is 'All (view only)'. The 'Group' column shows '37654-NNG FIELD/MKT DEMARCATION-16B (6)'. The 'Rec Qty' is 35,500. The 'Del Qty' is 35,500. The 'Total Receipt Qty' is 35,500. The 'Total Delivery Qty' is 35,500. The 'Total Fuel Qty' is 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.



The screenshot shows the TMS interface with the 'Nomination Maintenance' tab selected. The 'Gas Day' is set to 01/16/2020. The 'Svc Req K' is 136662 (SP/MP). The 'Svc Req/Name' is 123456789 ABC SHIPPER COMPANY. The 'Agent/Name' is 987987987 ABC SHIPPER AGENT. The 'Pool' is 'All (view only)'. The 'Group' column shows '37654-NNG FIELD/MKT DEMARCATION-16B (6)'. The 'Rec Qty' is 35,500. The 'Del Qty' is 35,500. The 'Total Receipt Qty' is 35,500. The 'Total Delivery Qty' is 35,500. The 'Total Fuel Qty' is 0.

TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage

Gas Day: 01/16/2020 Svc Req K: 136662 (SP/MP) Svc Req/Name: 123456789 ABC SHIPPER COMPANY
Pool: All (view only) Agent/Name: 987987987 ABC SHIPPER AGENT

Retrieve

Add New Copy Submit

Group	Pool Loc Name	End Date	Rec Loc	Up ID	Rec Qty	Rec Rank	Del Loc	In ID	In K	Del Qty	Del Rank	Pkg ID	Fuel Qty	TT	Receipt Time	Source	Non Trk ID	Crude By
3765																		
					5,000					35,500								
					10,500													
					20,000													
Total					35,500					35,500								

- Now all the grouped records can be viewed.

TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage

Gas Day: 01/16/2020 Svc Req K: 136662 (SP/MP) Svc Req/Name: 123456789 ABC SHIPPER COMPANY
Pool: All (view only) Agent/Name: 987987987 ABC SHIPPER AGENT

Retrieve

Add New Copy Submit

Group	Cycle	Beg Date	End Date	Rec Loc	Up ID	Rec Qty	Rec Rank	Del Loc	In ID	In K	Del Qty	Del Rank	Pkg ID	Fuel Qty	TT	Receipt Time	Source	Non Trk ID
37654-NNG FIELD/NKT DEMARCATION-168 (K)																		
(1)	Timely	01/16/2020	01/31/2020					37654	123456789	136666	20,000	2	516478		08	01/15/2020 9:10 A.	Online	
	Timely	01/16/2020	01/31/2020					37654	123456789	136667	5,000	1	54333		08	01/15/2020 9:10 A.	Online	
	Timely	01/16/2020	01/31/2020					37654	123456789	136666	10,500	500	789		08	01/15/2020 9:09 A.	Online	
Total											35,500							
136664 (1)	Timely	01/16/2020	01/31/2020	37654	123456789	5,000	500						123		08	01/15/2020 9:05 A.	Online	
Total 136664						5,000												
136666 (1)	Timely	01/16/2020	01/31/2020	37654	123456789	10,500	1								08	01/15/2020 9:08 A.	Online	
Total 136666						10,500												
136667 (1)	Timely	01/16/2020	01/31/2020	37654	123456789	20,000	2						678		08	01/15/2020 9:07 A.	Online	
Total 136667						20,000												
Total 37654-NNG FIELD/NKT DEMARCATION-168						35,500					35,500							

Gas Day: 01/16/2020 Total Receipt Qty: 35,500 Total Delivery Qty: 35,500 Total Fuel Qty: 0

- 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).

TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage

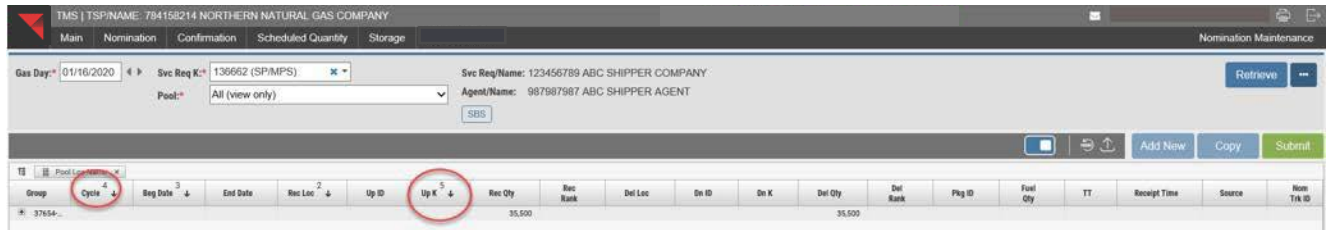
Gas Day: 01/16/2020 Svc Req K: 136662 (SP/MP) Svc Req/Name: 123456789 ABC SHIPPER COMPANY
Pool: All (view only) Agent/Name: 987987987 ABC SHIPPER AGENT

Retrieve

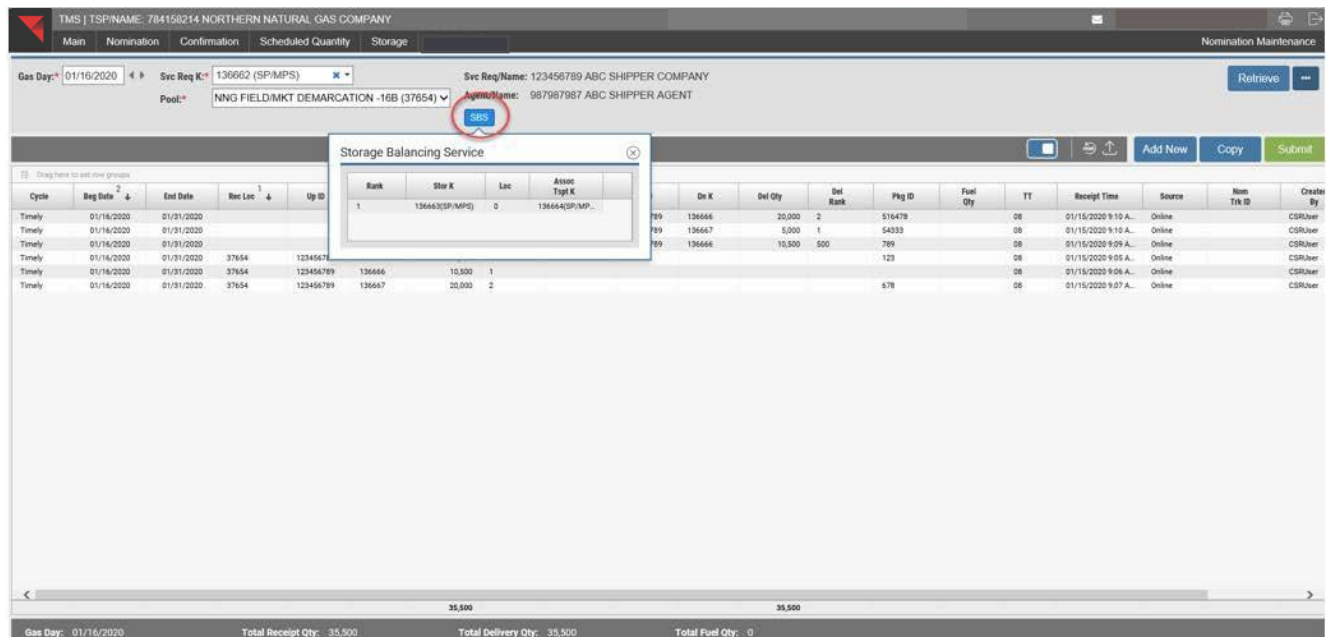
Add New Copy Submit


Pool	Cycle	Beg Date	End Date	Rec Loc	Up ID	Up K	Rec Qty	Rec Rank	Del Loc	In ID	In K	Del Qty	Del Rank	Pkg ID	Fuel Qty	TT	Receipt Time	Source	Non Trk ID
37654-N	Timely	01/16/2020	01/31/2020						37654	123456789	136666	20,000	2	516478		08	01/15/2020 9:10 A.	Online	
37654-N	Timely	01/16/2020	01/31/2020						37654	123456789	136667	5,000	1	54333		08	01/15/2020 9:10 A.	Online	
37654-N	Timely	01/16/2020	01/31/2020						37654	123456789	136666	10,500	500	789		08	01/15/2020 9:09 A.	Online	



- 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.



- 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.



- 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.

TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage

Gas Day: 01/16/2020 Svc Req K: 136662 (SP/MP) Svc Req/Name: 123456789 ABC SHIPPER COMPANY
Pool: NNG FIELD/MKT DEMARCATION -16B (37654) Agent/Name: 987987987 ABC SHIPPER AGENT

Retrieve Open New Open NomQ Open NomIR Open SchQ

Add New

Cycle	Reg Date	End Date	Rec Loc	Up ID	Up K	Rec Qty	Rec Rank	Del Loc	Del ID	Del K	Del Qty	Del Rank	Pkg ID	Fuel Qty	TT	Receipt Time	Source	Item Trk ID	Create By
Timely	01/16/2020	01/31/2020						37654	123456789	136666	20,000	2	516478		08	01/15/2020 9:10 A.	Online		CSRUser
Timely	01/16/2020	01/31/2020						37654	123456789	136667	5,000	1	54333		08	01/15/2020 9:10 A.	Online		CSRUser
Timely	01/16/2020	01/31/2020						37654	123456789	136666	10,500	500	789		08	01/15/2020 9:09 A.	Online		CSRUser
Timely	01/16/2020	01/31/2020	37654	123456789	136664	5,000	500						123		08	01/15/2020 9:09 A.	Online		CSRUser
Timely	01/16/2020	01/31/2020	37654	123456789	136666	10,500	1								08	01/15/2020 9:09 A.	Online		CSRUser
Timely	01/16/2020	01/31/2020	37654	123456789	136667	20,000	2						678		08	01/15/2020 9:07 A.	Online		CSRUser

35,500 35,500

Gas Day: 01/16/2020 Total Receipt Qty: 35,500 Total Delivery Qty: 35,500 Total Fuel Qty: 0

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

TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage

Gas Day: 01/16/2020 Svc Req K: 136664 (IT/IT) Svc Req/Name: 123456789 ABC SHIPPER COMPANY
Agent/Name: 987987987 ABC SHIPPER AGENT

Retrieve

Add New Copy Submit

Cycle	Reg Date	End Date	Rec Loc	Up ID	Up K	Rec Qty	Rec Rank	Del Loc	Del ID	Del K	Del Qty	Del Rank	Pkg ID	Fuel Qty	TT	Proc Right	Receipt Time	Source	Item Trk ID
Timely	01/16/2020	01/31/2020	1318	111111111	111111111	5,000	1	192	123123123	860010	4,949	1	123	51	01	No	01/15/2020 7:50 A.	Online	
Timely	01/16/2020	01/31/2020	1318	111111111	111111111	10,000	1	3077	123123123	136666	9,998	1	456	102	01	No	01/15/2020 8:52 A.	Online	
Timely	01/16/2020	01/31/2020	37654	123456789	136666	1,000	1	3124	123123123	ABC	990	1	298	10	01	No	01/15/2020 9:34 A.	Online	

14,000 15,837 163

Gas Day: 01/16/2020 Total Receipt Qty: 16,000 Total Delivery Qty: 15,837 Total Fuel Qty: 163

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

Nomination Copy

From Gas Day: 01/16/2020 Svc Req K: 136664 (IT/TT) Svc Req/Name: 123456789 ABC SHIPPER COMPANY Retrieve

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

Nomination Copy

From Gas Day: 01/16/2020 Svc Req K: 136664 (IT/TT) Svc Req/Name: 123456789 ABC SHIPPER COMPANY Retrieve

Beg Date: 02/01/2020 End Date: 02/29/2020 Add

Rec Loc	Up ID	Up K	Rec Qty	Rec Rank	Del Loc	Del ID	Del K	Del Qty	Del Rank	Pkg ID	Fuel Qty	TT	Proc Right	Receipt Time	Source	Nom Trk ID	Created By
1318	111111111	111111111	5,000	1	192	123123123	980010	4,949	1	123	01	01	No	01/16/2020 7:50 A.	Online		CSUser
1318	111111111	111111111	10,000	1	3077	123123123	136666	9,898	1	456	102	01	No	01/16/2020 8:52 A.	Online		CSUser
37654	123456789	136666	1,000	1	3124	123123123	ABC	990	1	258	10	01	No	01/16/2020 9:24 A.	Online		CSUser

- 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.

TMS | TSPNAME: 784156214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage Nomination Maintenance

Valid nominations were copied for the specified date range.

Gas Day: 02/01/2020 Svc Req K: 136664 (IT/TT) Svc Req/Name: 123456789 ABC SHIPPER COMPANY Agent/Name: 987987987 ABC SHIPPER AGENT Retrieve

Add New Copy Submit

Cycle	Beg Date	End Date	Rec Loc	Up ID	Up K	Rec Qty	Rec Rank	Del Loc	Del ID	Del K	Del Qty	Del Rank	Pkg ID	Fuel Qty	TT	Proc Right	Receipt Time	Source	Nom Trk ID
Timely	02/01/2020	02/29/2020	1318	111111111	111111111	10,000	1	3077	123123123	136666	9,898	1	456	102	01	No	01/16/2020 2:53 P.	Online	
Timely	02/01/2020	02/29/2020	1318	111111111	111111111	5,000	1	192	123123123	980010	4,949	1	123	01	01	No	01/16/2020 2:53 P.	Online	
Timely	02/01/2020	02/29/2020	37654	123456789	136666	1,000	1	3124	123123123	ABC	990	1	258	10	01	No	01/16/2020 2:53 P.	Online	

16,000 15,837 143

Gas Day: 02/01/2020 Total Receipt Qty: 16,000 Total Delivery Qty: 15,837 Total Fuel Qty: 143

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

Main Nomination Confirmation Scheduled Quantity Storage

From Gas Day: 01/15/2020 Svc Req K: 136664 (IT/TT) Svc Req/Name: 123456789 ABC SHIPPER COMPANY Agent/Name: 987987987 ABC SHIPPER AGENT

Retrieve

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



TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage

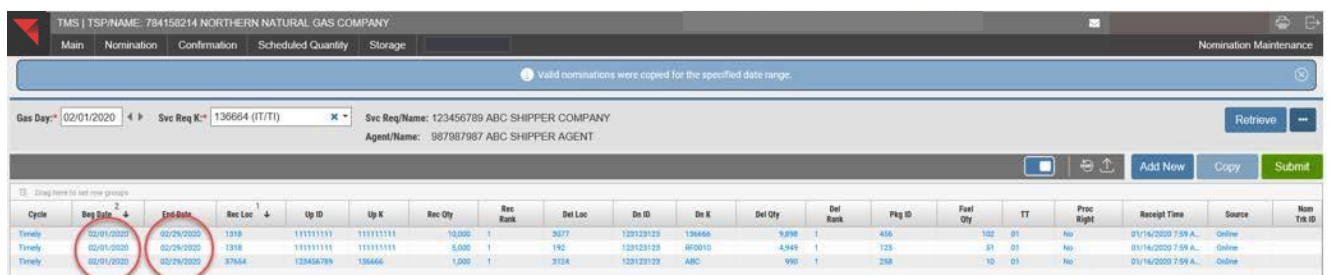
From Gas Day: 01/15/2020 Svc Req K: 136664 (IT/TT) Svc Req/Name: 123456789 ABC SHIPPER COMPANY Agent/Name: 987987987 ABC SHIPPER AGENT

Beg Date: 02/01/2020 End Date: 02/29/2020

Add

Rec Loc	Up ID	Up K	Rec Qty	Rec Rank	Del Loc	Del ID	Del K	Del Qty	Del Rank	Plg ID	Fuel Qty	TT	Proc Right	Receipt Time	Source	Nom Trk ID	Created By	Updated By
1318	111111111	111111111	5,000	1	192	123123123	80010	4,949	1	123	51	01	No	01/15/2020 7:50 AM	Online		CSDUser	CSDUser
1318	111111111	111111111	10,000	1	3077	123123123	136666	9,998	1	486	102	01	No	01/15/2020 8:52 AM	Online		CSDUser	CSDUser
37654	123456789	136666	1,000	1	3124	123123123	ABC	990	1	258	10	01	No	01/15/2020 9:34 AM	Online		CSDUser	CSDUser

- 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**.



TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage

Valid nominations were copied for the specified date range.

Gas Day: 02/01/2020 Svc Req K: 136664 (IT/TT) Svc Req/Name: 123456789 ABC SHIPPER COMPANY Agent/Name: 987987987 ABC SHIPPER AGENT

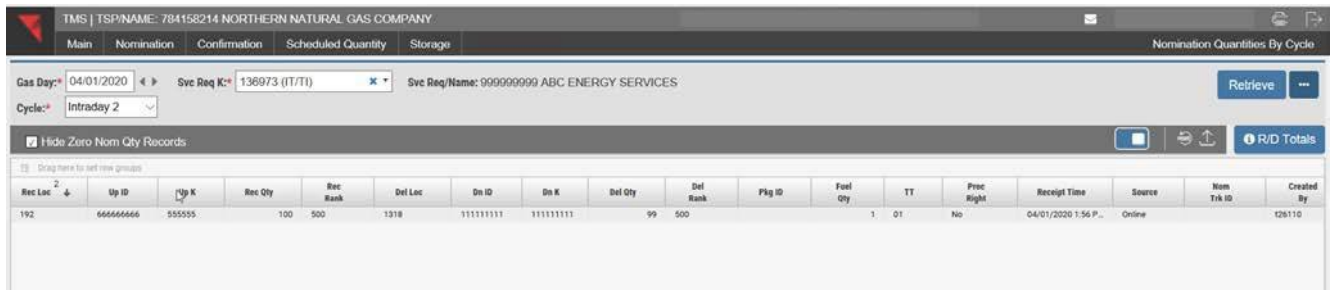
Retrieve

Add New Copy Submit

Cycle	Beg Date	End Date	Rec Loc	Up ID	Up K	Rec Qty	Rec Rank	Del Loc	Del ID	Del K	Del Qty	Del Rank	Plg ID	Fuel Qty	TT	Proc Right	Receipt Time	Source	Nom Trk ID
Timely	02/01/2020	02/29/2020	1318	111111111	111111111	10,000	1	3077	123123123	136666	9,998	1	486	102	01	No	01/14/2020 7:59 A.	Online	
Timely	02/01/2020	02/29/2020	1318	111111111	111111111	5,000	1	192	123123123	80010	4,949	1	123	51	01	No	01/14/2020 7:59 A.	Online	
Timely	02/01/2020	02/29/2020	37654	123456789	136666	1,000	1	3124	123123123	ABC	990	1	258	10	01	No	01/14/2020 7:59 A.	Online	

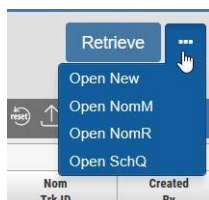
Nomination Quantities by Cycle

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



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

- Select the  to view options.



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**.

TMS TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY															
Main Nomination Confirmation Scheduled Quantity Storage															
Nomination Reconciliation															
Gas Day: 04/01/2020 Cycle: Intraday 2 View By: Svc Req Prop 14716 Svc Req/Name: 999999999 ABC ENERGY SERVICES Retrieve															
FILTERS View Type: All Nominations Loc Type: All Locations Svc Req K Type: All Contracts Svc Req/Name: All Entities															
Hide Zero Nom Qty Records Open Nomt															
Drag here to set new groups															
Svc Req K	Rate Sch	Loc	Loc Name	K Flo	Nom Qty	Up/Dn K	Up/Dn ID	Up/Dn K	Nom Diff	Coef Qty	Coef Diff	Sched Qty	Sched Diff	Svc Req	Nom Typ
136973	TI	192	NSPL/MNG VENTURA	R	100	555555	666666666					100		999999999	Standard
136973	TI	1318	TBPL/MNG BEATRICE	D	99	111111111	111111111					99		999999999	Standard

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 TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY															
Main Nomination Confirmation Scheduled Quantity Storage															
Final A.M. Nomination List															
Gas Day: 03/02/2020 Emlate External User: Retrieve															
Sum By Svc Req K Show Invalid Noms Only Show Associated Noms															
Row	Time	Svc Req K	Svc Req	Agent	Svc Type	Loc	Loc Name	Up K	Nom Qty	Actual	Adj	Del Loc	Del Loc Name	Del K	Plg ID
01/07/20		136663	136663	ABC SHIPPER A	OT	08	62389 DEMARC DEF	136664	10,000	0	300	62389 DEMARC DEF	136665	136665	
Total		136663	136663	ABC SHIPPER A	OT	08	62389 DEMARC DEF	136664	10,000	0	300	62389 DEMARC DEF	136665	136665	
01/07/20		136664	136664	ABC SHIPPER A	IT	01	197 NSPL/MNG SLE	11111111	10,000	0	300	62389 DEMARC DEF	136665	136665	
Total		136664	136664	ABC SHIPPER A	IT	01	62389 DEMARC DEF	136665	1,000	0	300	234 WCDR/SAFT DG	11111111	990	
01/07/20		136665	136665	ABC SHIPPER A	PD	07	62389 DEMARC DEF	136664	1,000	0	300	62389 DEMARC DEF	136664	1,000	
Total		136665	136665	ABC SHIPPER A	PD	07	62389 DEMARC DEF	136664	1,000	0	300	62389 DEMARC DEF	136664	1,000	
01/07/20		136666	136666	ABC SHIPPER A	PT	01	192 NSPL/MNG VEN	11111111	10,000	0	300	3026 ZONE 6/F CENTE	11111111	9,998	
Total		136666	136666	ABC SHIPPER A	PT	01	192 NSPL/MNG VEN	11111111	10,000	0	300	3026 ZONE 6/F CENTE	11111111	9,998	
01/07/20		136666	136666	ABC SHIPPER A	PT	01	192 NSPL/MNG VEN	11111111	10,000	10,000	500	3026 ZONE 6/F NSP	11111111	9,998	
Total		136666	136666	ABC SHIPPER A	PT	01	62389 DEMARC DEF	136665	100	0	300	99 OGDEN DEF DE	136665	99	
Total		136666	136666	ABC SHIPPER A	PT	01	62389 DEMARC DEF	136665	100	0	300	99 OGDEN DEF DE	136665	99	

- 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.

- 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.

- 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.

Zone Percentages

- Page 30 of 46

TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage Zone Percentages

Gas Day: 03/31/2020 Cycle: Evening Retrieve

Group	Group Name	Loc Zn	Loc Zn Name	Svc Req K *	Svc Req Name	Svc Req	Zone Pot
487	EARLVILLE EAST ALLOCATION G.	3113	ZONE D-TIPTON	0			100
487	EARLVILLE EAST ALLOCATION G.	3122	ZONE D-WISCONSIN GAS	0			100
487	EARLVILLE EAST ALLOCATION G.	3124	ZONE D-WISCONSIN P&L	0			100
487	EARLVILLE EAST ALLOCATION G.	89043	ZONE D-WISCONSIN ELECTRIC P.	0			100
487	EARLVILLE EAST ALLOCATION G.	60230	ZONE D-WISCONSIN GAS	0			98.2438
488	BELLEVILLE EAST ALLOCATION G.	3122	ZONE D-WISCONSIN GAS	0			18.7464
488	BELLEVILLE EAST ALLOCATION G.	3124	ZONE D-WISCONSIN P&L	0			27.1877
488	BELLEVILLE EAST ALLOCATION G.	89043	ZONE D-WISCONSIN ELECTRIC P.	0			100
488	BELLEVILLE EAST ALLOCATION G.	60230	ZONE D-WISCONSIN GAS	0			82.2464
581	OGDEN NORTH ALLOCATION GR.	5054	ZONE E-FARESC	136789	JKL ENERGY SERVICES	04444444	80
581	OGDEN NORTH ALLOCATION GR.	3077	ZONE ABC - MIDAMERICAN	136780	ABC ENERGY SERVICES	99999999	0
581	OGDEN NORTH ALLOCATION GR.	60226	ZONE ABC - INTERSTATE POWER	136789	JKL ENERGY SERVICES	04444444	0
581	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**.

TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage Nomination Quantities By Cycle Reports

Gas Day: 01/16/2020 Cycle: Intraday 1 PDF Excel Retrieve

Contract/Type: Svc Req K: 136664 (IT/IT) Svc Req/Name: 123456789 ABC SHIPPER COMPANY (IT)

☐ All Transportation Contracts
☐ All Storage Contracts
☐ All Pooling Contracts

- The data is populated in PDF format.

Nomination Quantities By Cycle
For Transportation Service

TSP/TSP Name: 784158214 NORTHERN NATURAL GAS COMPANY Stmt D/T: 01/16/2020 8:56 am

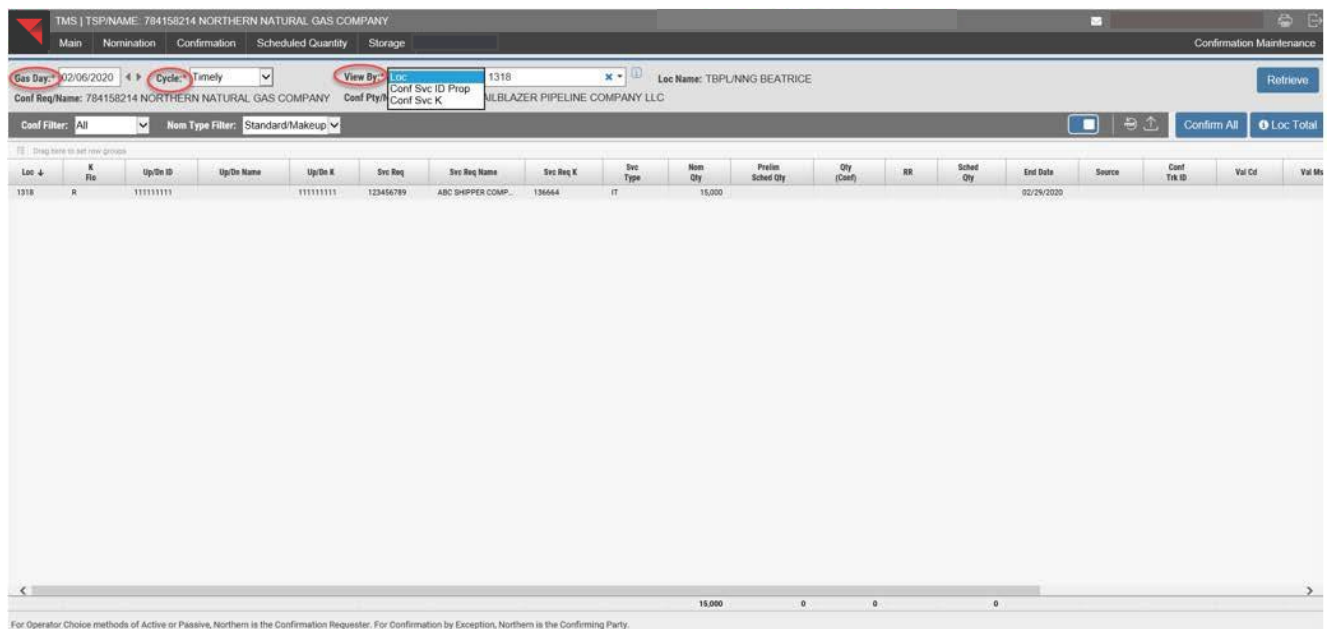
Gas Day: 01/16/2020 Svc Req K: 136664 (IT/IT)
Cycle: Intraday 1 Svc Req/Name: 123456789 ABC SHIPPER COMPANY Agent/Name: 987987987 ABC SHIPPER AGENT

Nom Chng	Rec Loc	Up ID	Up K	Rec Qty	Rec Rank	Del Loc	Dn ID	Dn K	Del Qty	Del Rank	Pkg ID	Fuel Qty	TT	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	CSRUser
				Subtotal:					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	CSRUser
				Subtotal:					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	CSRUser
				Subtotal:					990			10						
				Total:					15,837									

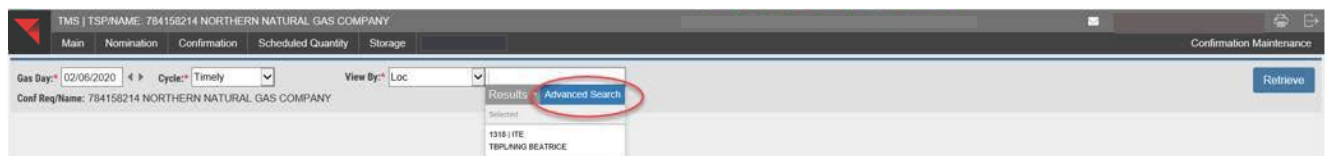
Confirmations Menu

Confirmation Maintenance

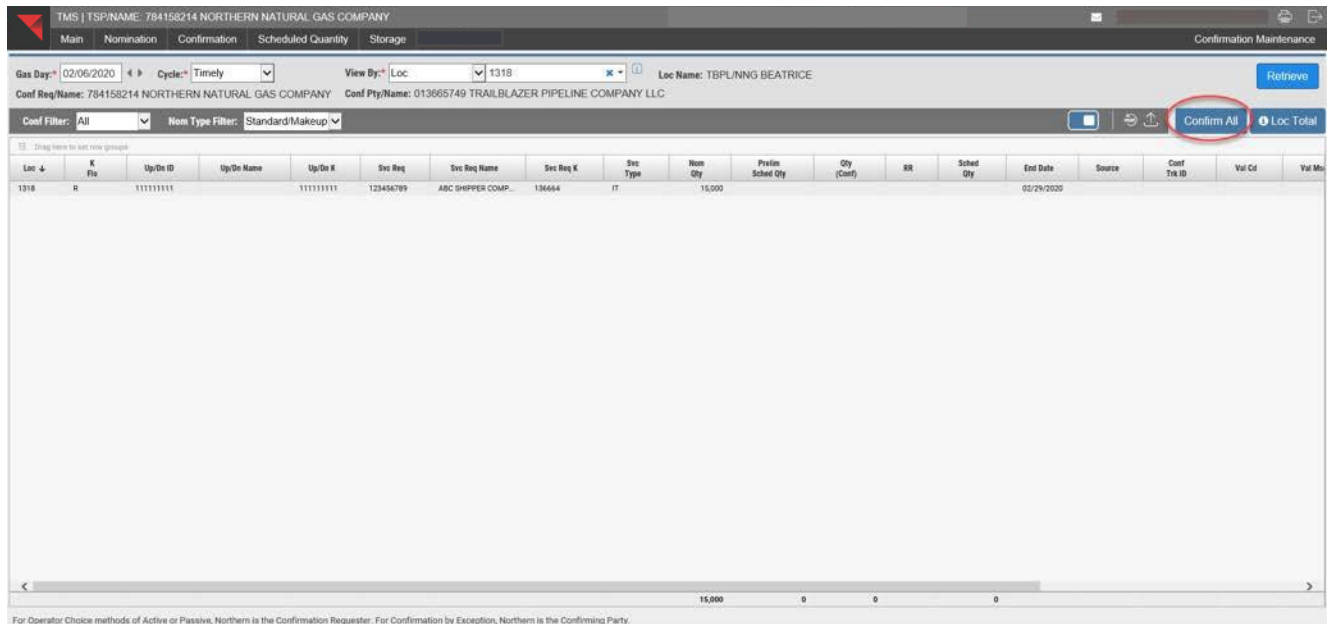
- This screen allows the user to view, edit, add, and delete confirmations.
- To view the Confirmation Maintenance screen, select **Confirmations** and then **Confirmation Maintenance**.
- The Confirmation Maintenance screen opens.
- Select a **Gas Day**
- Select a **Cycle**
- User can view this screen 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.



TMS | TSP:NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage Confirmation Maintenance

Gas Day: 02/06/2020 Cycle: Timely View By: Loc 1318 Loc Name: TBPLNNG BEATRICE

Conf Req/Name: 784158214 NORTHERN NATURAL GAS COMPANY Conf Pty/Name: 013665749 TRAILBLAZER PIPELINE COMPANY LLC

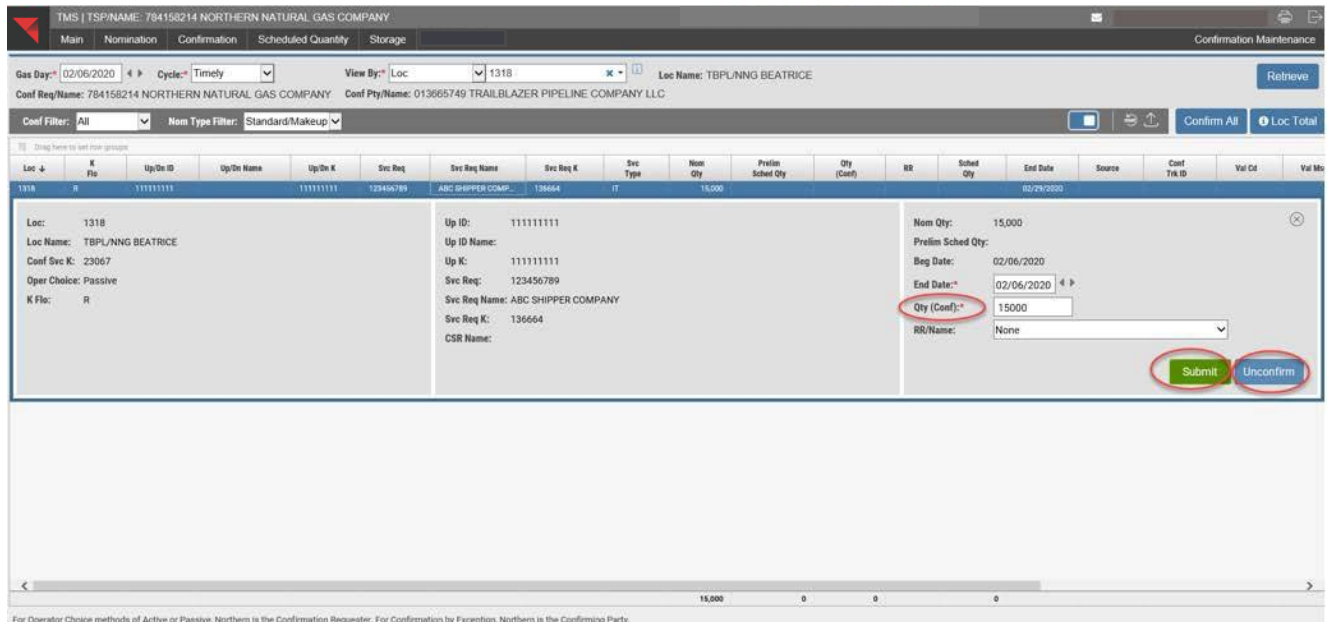
Conf Filter: All Nom Type Filter: Standard/Makeup

Confirm All Loc Total

Loc	K	Up/Dn ID	Up/Dn Name	Up/Dn K	Svc Req	Svc Req Name	Svc Req K	Svc Type	Nom Qty	Prelim Sched Qty	Qty (Conf)	RR	Sched Qty	End Date	Source	Conf Trk ID	Val Cd	Val Mo
1318	R	111111111	111111111	123456789	ABC SHIPPER COMP.	136664	IT	15,000						02/29/2020				

For Operator Choice methods of Active or Passive, Northern is the Confirmation Requester. For Confirmation by Exception, Northern is the Confirming Party.

- 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**.



TMS | TSP:NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage Confirmation Maintenance

Gas Day: 02/06/2020 Cycle: Timely View By: Loc 1318 Loc Name: TBPLNNG BEATRICE

Conf Req/Name: 784158214 NORTHERN NATURAL GAS COMPANY Conf Pty/Name: 013665749 TRAILBLAZER PIPELINE COMPANY LLC

Conf Filter: All Nom Type Filter: Standard/Makeup

Confirm All Loc Total

Loc	K	Up/Dn ID	Up/Dn Name	Up/Dn K	Svc Req	Svc Req Name	Svc Req K	Svc Type	Nom Qty	Prelim Sched Qty	Qty (Conf)	RR	Sched Qty	End Date	Source	Conf Trk ID	Val Cd	Val Mo
1318	R	111111111	111111111	123456789	ABC SHIPPER COMP.	136664	IT	15,000						02/29/2020				

Loc: 1318
Loc Name: TBPLNNG BEATRICE
Conf Svc K: 23067
Oper Choice: Passive
K File: R

Up ID: 111111111
Up ID Name:
Up K: 111111111
Svc Req: 123456789
Svc Req Name: ABC SHIPPER COMPANY
Svc Req K: 136664
CSR Name:

Nom Qty: 15,000
Prelim Sched Qty:
Beg Date: 02/06/2020
End Date: 02/06/2020
Qty (Conf): 15000
RR/Name: None

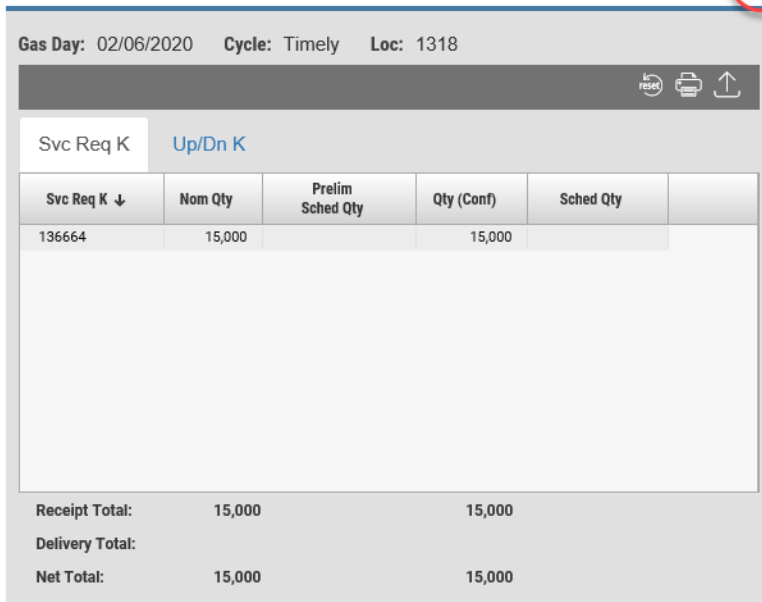
Submit Unconfirm

For Operator Choice methods of Active or Passive, Northern is the Confirmation Requester. For Confirmation by Exception, Northern is the Confirming Party.

- Select **Loc Total** to open the **Location Total** screen.

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

Location Total

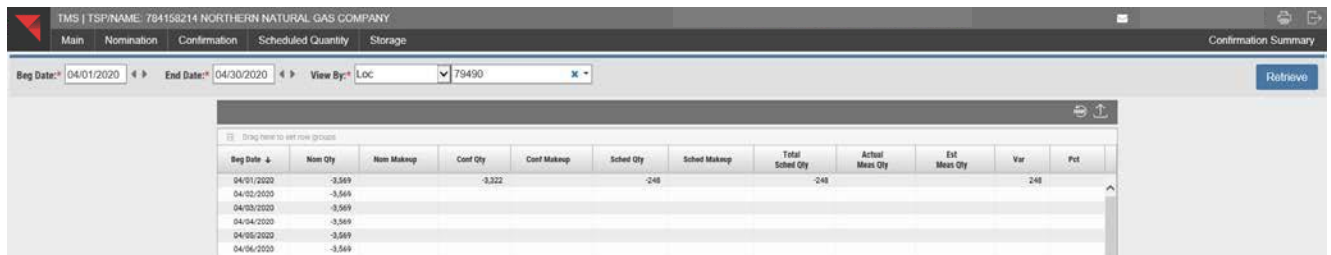


Svc Req K ↓	Nom Qty	Prelim Sched Qty	Qty (Conf)	Sched Qty
136664	15,000		15,000	

Receipt Total:	15,000	15,000
Delivery Total:		
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**.



Beg Date ↓	Nom Qty	Nom Making	Conf Qty	Conf Making	Sched Qty	Sched Making	Total Sched Qty	Actual Meas Qty	Est Meas Qty	Var	Pct
04/01/2020	-3,569		-3,322		-248		-248			248	
04/02/2020	-3,569										
04/03/2020	-3,569										
04/04/2020	-3,569										
04/05/2020	-3,569										
04/06/2020	-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**.

TMS | TSP:NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Welcome: USER SMITH

Main Nomination Confirmation Scheduled Quantity Storage Location Reconciliation

Gas Day: 04/01/2020 Cycle: Timely View: ☒ Nom Qty vs Conf Qty ☐ Nom Qty vs Prev Nom Qty

Retrieve

Hide Makeup Noms

Loc	Loc Name	K Flo	Ser Reg	Ser Reg Name	Ser Reg	Up/On K	Up/On ID	Prev Nom Qty	Prev Conf Qty	Nom Qty	Conf Qty	Oper Choice	BE	Conf Date/Time	Updated By
79490	ABC ENERGY SERVICES MARKET POINT	0	136789	JKL ENERGY SERVICES	044444444	136789	888888888			-1,583	-1,336	Passive		03/30/2020 9:22..	T100104

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**.

TMS | TSP:NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage Late Nomination Notification

An Email notification will be sent to all operator cut notice contacts for the entity for the selected cycle(s) when, in the event of a nomination deadline extension, a nomination is received at the operator's location(s) after the original nomination deadline.

Conf Svc ID Prop: 14712

Conf Svc Name: ABC SHIPPER COMPANY

☐ Timely
☐ Evening
☐ Non-Grid A.M.
☐ Intraday 1
☐ Intraday 2
☐ Intraday 3
☐ Final A.M.

Submit Clear

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.

TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation Scheduled Quantity Storage Preliminary Scheduled Quantities

Gas Day: 01/17/2020 Svc Req K: 136664 (IT/TT) Svc Req/Name: 123456789 ABC SHIPPER COMPANY
 Cycle: Timely Agent/Name: 987987987 ABC SHIPPER AGENT

NOTE: Preliminary Scheduled Quantities may be affected by each cycle process (i.e. balancing, allocations, and confirmations processes). Scheduled Quantities will be displayed when the cycle is complete.

Hide Zero Qty Records

Rec Loc	Up ID	Up K	Nom Rec Qty	Prelim Sched Rec Qty	Rec Rank	Del Loc	Del ID	Del K	Nom Del Qty	Prelim Sched Del Qty	Del Rank	Pkg ID	RR	Nom Fuel Qty	Prelim Sched Fuel Qty	TT	Proc Right	Receipt Time	Stat
1318	111111111	111111111	5,418	1	192	123123123	867010		3,393	1	123	CCR		35	01	No		01/15/2020 12:00...	Online
1318	111111111	111111111	6,835	1	3077	123123123	136666		6,765	1	456	CCR		70	01	No		01/15/2020 12:00...	Online

TT/Desc: 01 - Cur Bus

Rec Loc: 1318
 Rec Loc Name: TBPL/NG BEATRICE
 Up K: 111111111
 Up ID: 111111111
 Up Name:
 Prelim Sched Rec Qty: Rec Rank: 1

Del Loc: 3077
 Del Loc Name: ZONE ABC - MIDAMERICAN
 Del K: 136666
 Del ID: 123123123
 Del Name:
 Prelim Sched Del Qty: 6,765 Del Rank: 1

RR Detail

Pkg ID: 456
 Nom Trk ID:
 Proc Right: No
 RR/Name: CCR - Pipeline Capacity Constraint at Receipt Loc...
 Prelim Sched Fuel Qty: 70

Rec Loc	Up ID	Up K	Nom Rec Qty	Prelim Sched Rec Qty	Rec Rank	Del Loc	Del ID	Del K	Nom Del Qty	Prelim Sched Del Qty	Del Rank	Pkg ID	RR	Nom Fuel Qty	Prelim Sched Fuel Qty	TT	Proc Right	Receipt Time	Stat
37654	123456789	136666			1	3126	123123123	ABC		1	258	FSR		01	No		01/15/2020 12:00...	Online	
62399	123456789	136663			9999	37654	123456789	136662		9999	STORBAL	PBO*		01	No		01/16/2020 12:00...	Star B	
62399	123456789	136663			9999	37654	123456789	136662		9999	STORBAL	PBO*		01	No		01/16/2020 12:00...	Star B	
62399	123456789	136663			9999	37654	123456789	136662		9999	STORBAL	PBO*		01	No		01/16/2020 12:00...	Star B	

Total Nom Receipt Qty: 0 Total Nom Delivery Qty: 0 Total Nom Fuel Qty: 0
 Total Prelim Receipt Qty: 10,253 Total Prelim Delivery Qty: 10,148 Total Prelim Fuel Qty: 105

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

Reduction Reason Detail

Svc Req/Name: 123456789 ABC SHIPPER COMPANY
 Svc Req K: 136664 (IT/TT) Agent/Name: 987987987 ABC SHIPPER AGENT

Gas Day: 01/17/2020
 Cycle: Timely
 TT/Desc: 01 - Cur Bus

Rec Loc: 1318
 Rec Loc Name: TBPL/NG BEATRICE
 Up K: 111111111
 Up ID: 111111111
 Up Name:
 Prelim Sched Rec Qty: 6,835 Rec Rank: 1

Del Loc: 3077
 Del Loc Name: ZONE ABC - MIDAMERICAN
 Del K: 136666
 Del ID: 123123123
 Del Name:
 Prelim Sched Del Qty: 6,765 Del Rank: 1

Pkg ID: 456
 Nom Trk ID:
 Proc Right: No
 RR/Name: CCR - Pipeline Capacity Constraint at Receipt Loc...
 Prelim Sched Fuel Qty: 70

	Nom Qty	Post Bal Qty	Post Thru Qty	Post Conf Qty	Sched Qty
Receipt		10,000		6,835	
Delivery		9,908		6,765	
Fuel		102		70	

Svc Req K Lookup:

RR/Cut Origin	Process	Rec Qty Cut	Del Qty Cut
CCR Allocation Cut at POINT 1318 - TBPL/NG	Thru Allocat...	3,165	3,133
		3,165	3,133

Cut Sequence from Originator

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

TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation **Scheduled Quantity** Storage

Gas Day: 01/17/2020 Svc Req K: 136664 (IT/IT) Svc Req/Name: 123456789 ABC SHIPPER COMPANY Agent/Name: 987987987 ABC SHIPPER AGENT

NOTE: Preliminary Scheduled Quantities may be affected by each cycle process (i.e. balancing, allocations, and confirmations processes). Scheduled Quantities will be displayed when the cycle is complete.

Hide Zero Qty Records

Rec Loc	Up ID	Up K	Nom Rec Qty	Prelim Sched Rec Qty	Rec Rank	Del Loc	Del ID	Del K	Nom Del Qty	Prelim Sched Del Qty	Del Rank	Pkg ID	RR	Nom Fuel Qty	Prelim Sched Fuel Qty	TT	Proc Right	Receipt Time	Source
1318	111111111	111111111	5,415	1	192	123123123	RF0010			1,353	1	123	CCR	35	01	No		01/15/2020 12:00	Online
1318	111111111	111111111	6,835	1	3077	123123123	136664			6,765	1	456	CCR	79	01	No		01/15/2020 12:00	Online
37654	123456789	136664			1	3124	123123123	ABC			1	258	PBR		01	No		01/16/2020 12:00	Online
62389	123456789	136663			9999	37654	123456789	136662			9999	STORBAL	PBR*		01	No		01/16/2020 12:00	Stor B
62389	123456789	136663			9999	37654	123456789	136662			9999	STORBAL	PBR*		01	No		01/16/2020 12:00	Stor B
62389	123456789	136663			9999	37654	123456789	136662			9999	STORBAL	PBR*		01	No		01/16/2020 12:00	Stor B

Total Nom Receipt Qty: 0 Total Nom Delivery Qty: 0 Total Nom Fuel Qty: 0
Total Prelim Receipt Qty: 10,253 Total Prelim Delivery Qty: 10,148 Total Prelim Fuel Qty: 105

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

TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main Nomination Confirmation **Scheduled Quantity** Storage

Gas Day: 01/17/2020 Svc Req K: 136664 (IT/IT) Svc Req/Name: 123456789 ABC SHIPPER COMPANY Agent/Name: 987987987 ABC SHIPPER AGENT

Hide Zero Qty Records

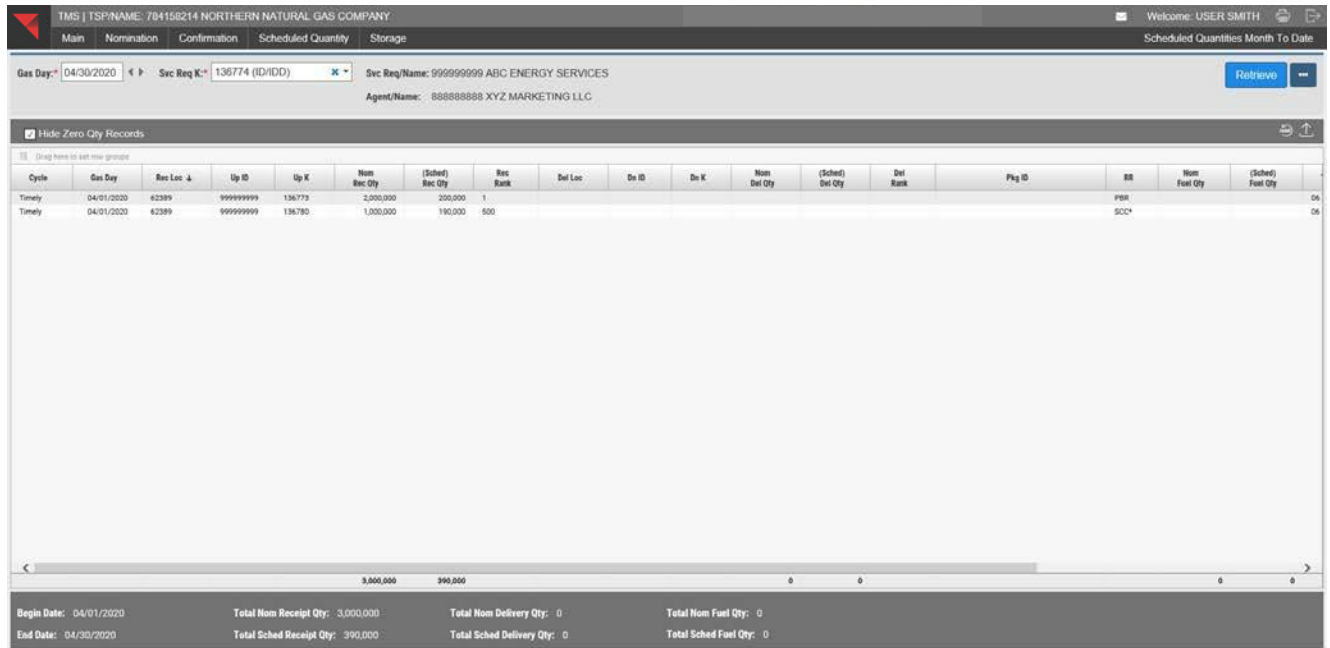
Rec Loc	Up ID	Up K	Nom Rec Qty	(Sched) Rec Qty	Rec Rank	Del Loc	Del ID	Del K	Nom Del Qty	(Sched) Del Qty	Del Rank	Pkg ID	RR	Nom Fuel Qty	(Sched) Fuel Qty	TT	Proc Right	Receipt Time	Source
1318	111111111	111111111		1	192	123123123	RF0010			1	123	PBR*		01	No			01/15/2020 12:00	Online
1318	111111111	111111111		1	3077	123123123	136664			1	456	PBR*		01	No			01/15/2020 12:00	Online
37654	123456789	136664		1	3124	123123123	ABC			1	258	PBR		01	No			01/16/2020 12:00	Online
62389	123456789	136663		9999	37654	123456789	136662			9999	STORBAL	PBR*		01	No			01/16/2020 12:00	Stor Bal
62389	123456789	136663		9999	37654	123456789	136662			9999	STORBAL	PBR*		01	No			01/16/2020 12:00	Stor Bal

Total Nom Receipt Qty: 0 Total Nom Delivery Qty: 0 Total Nom Fuel Qty: 0
Total Sched Receipt Qty: 0 Total Sched Delivery Qty: 0 Total Sched Fuel Qty: 0

Print D/T: 01/16/2020 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**.



TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY | Welcome: USER SMITH

Main Nomination Confirmation **Scheduled Quantity** Storage

Scheduled Quantities Month To Date

Gas Day: 04/30/2020 Svc Req K: 136774 (ID/DD) Svc Req/Name: 999999999 ABC ENERGY SERVICES Agent/Name: 888888888 XYZ MARKETING LLC [Retrieve]

☒ Hide Zero Qty Records

Cycle	Gas Day	Rec Loc	Up ID	Up K	Nom Rec Qty	(Sched) Rec Qty	Rec Rank	Del Loc	Del ID	Del K	Nom Del Qty	(Sched) Del Qty	Del Rank	Pkg ID	RR	Nom Fuel Qty	(Sched) Fuel Qty
Timely	04/01/2020	62389	999999999	136773	2,000,000	200,000	1								PSR		06
Timely	04/01/2020	62389	999999999	136780	1,000,000	190,000	500								SCC*		06

3,000,000 390,000 0 0 0 0

Begin Date: 04/01/2020 Total Nom Receipt Qty: 3,000,000 Total Nom Delivery Qty: 0 Total Nom Fuel Qty: 0
End Date: 04/30/2020 Total Sched Receipt Qty: 390,000 Total Sched Delivery Qty: 0 Total Sched Fuel Qty: 0

Scheduled Quantities 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**.

TMS | TSP:NAME: 784158214 NORTHERN NATURAL GAS COMPANY

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Scheduled Quantities By Service Requester

Main

Nomination

Confirmation

Scheduled Quantity

Storage

Beg Date: 04/01/2020

End Date: 04/30/2020

View By: as Svc Req Prop 14715

Svc Req/Name: 044444444 JKL ENERGY SERVICES

Retrieve

FILTERS

Loc

Up ID

Dn ID

Up K

Dn K

Drag here to add new groups

Beg Date	Nom Rec Qty	Sched Rec Qty	Nom Del Qty	Sched Del Qty
04/04/2020	2,600	0	2,571	0
04/05/2020	2,600	0	2,571	0
04/06/2020	2,600	0	2,571	0
04/07/2020	2,600	0	2,571	0
04/08/2020	2,600	0	2,571	0
04/09/2020	2,600	0	2,571	0
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	2,571	0
04/14/2020	2,600	0	2,571	0
04/15/2020	2,600	0	2,571	0
04/16/2020	2,600	0	2,571	0
04/17/2020	2,600	0	2,571	0
04/18/2020	2,600	0	2,571	0
04/19/2020	2,600	0	2,571	0
04/20/2020	2,600	0	2,571	0
04/21/2020	2,600	0	2,571	0
04/22/2020	2,600	0	2,571	0
04/23/2020	2,600	0	2,571	0
04/24/2020	2,600	0	2,571	0
04/25/2020	2,600	0	2,571	0
04/26/2020	2,600	0	2,571	0
04/27/2020	2,600	0	2,571	0
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
78,000	250	77,130	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 NATURAL GAS COMPANY

Welcome: USER SMITH

MainNominationConfirmationSched. QuantityStorage

Scheduled Quantities By Service Requester

Beg Date:04/01/2020End Date:04/30/2020View By:as Svc Req Prop14715Svc Req/Name: 044444444 JKL ENERGY SERVICES

Retrieve

FILTERS: LocUp IDUp KDown IDDown K

Drag here to add row groups

Beg Date	Nom Rec Qty	Sched Rec Qty	Nom Del Qty	Sched Del Qty
04/04/2020	2,600	0	2,571	0
04/05/2020	2,600	0	2,571	0
04/06/2020	2,600	0	2,571	0
04/07/2020	2,600	0	2,571	0
04/08/2020	2,600	0	2,571	0
04/09/2020	2,600	0	2,571	0
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	2,571	0
04/14/2020	2,600	0	2,571	0
04/15/2020	2,600	0	2,571	0
04/16/2020	2,600	0	2,571	0
04/17/2020	2,600	0	2,571	0
04/18/2020	2,600	0	2,571	0
04/19/2020	2,600	0	2,571	0
04/20/2020	2,600	0	2,571	0
04/21/2020	2,600	0	2,571	0
04/22/2020	2,600	0	2,571	0
04/23/2020	2,600	0	2,571	0
04/24/2020	2,600	0	2,571	0
04/25/2020	2,600	0	2,571	0
04/26/2020	2,600	0	2,571	0
04/27/2020	2,600	0	2,571	0
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
78,000	250	77,130	248	

Scheduled Quantities Report (for Svc. Req. 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**.

TSP:784158214 TSP Name: NORTHERN NATURAL GAS COMPANY

Page: 1

Scheduled Quantities by Nomination & Location Report

Cycle:

Beg Date: 04/01/2020 End Date: 4/1/20

Start D/T 04/01/2020 2:23 am

Svc Req Name: ABC ENERGY SERVICES

Svc Req K: 136973

Svc Req Prop: 14716

Svc Type: Interruptible Throughput

Receipt

Rec Loc Name	Rec Rank	Up K	Up ID Up Name	Nom Qty	Rec Qty	MTD Nom	MTD Sched	Del Loc Name	Del Rank	Dn K	Dn ID Dn Name	Nom Qty	Del Qty	MTD Nom	MTD Sched	RR/ Flg Id		
192	500	555555	666666666	100	0*	100	0	1318	500	111111111	111111111	99	0*	99	0			
NBPLNNG VENTURA								TBPLNNG BEATRICE								ROY CLEMENTS		
Subtotal for Receipt Location				100	0	100	0					99	0	99	0			
Total for Contract:				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 | TSP NAME: 784158214 NORTHERN NATURAL GAS COMPANY
Welcome: USER SMITH

Main Nomination Confirmation Scheduled Quantity Storage
Service Requester Scheduled Quantity Reports

Report Name:
☐ Scheduled Quantities for Svc Req by Day
☐ Scheduled Quantities for Svc Req by Date Range
PDF Excel Retrieve

Gas Day: 04/01/2020 Cycle: Timely

View By: as Svc Req Prop 14715 Svc Req Name: 044444444 JKL ENERGY SERVICES

Group By: Del Loc

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

TSP: 784158214 TSP Name: Northern Natural Gas Company Shipper Nominations/Scheduled Quantities Report - Daily																							
Beg Date: 04/01/2020 Cycle: Timely						Subtotals By: Delivery Location						Statement Date/Time: 03/31/2021 10:27 am											
Service Requester/Name: 44444444 JKL ENERGY SERVICES						Svc Req K: 136789						Svc Type: Firm Throughput											
Agent/Name: 44444444 JKL ENERGY SERVICES																							
Receipt						Delivery																	
Rec Loc	Zone/ Area	Rec Loc Name	Up ID	Up Name	Up K	Non Rec Qty	Rec Qty	Rec Rank	Del Loc	Zone/ Area	Del Loc Name	Du ID	Du Name	Du K	Non Del Qty	Del Qty	Del Rank	Cap Type	RR	TT	Package ID	Non Fuel	Fuel Qty
192	MID 17	NBPLANG VENTURA	99999999	ABC ENERGY SERVI	99999999	1,000	0	1	78623	MID 17	VENTURA POOL	99999999	ABC ENERGY SERVI	136777	-988	0	500	SS	FPC	01		-12	0
192	MID 17	NBPLANG VENTURA	99999999	ABC ENERGY SERVI	99999999	0	0	1	78623	MID 17	VENTURA POOL	99999999	ABC ENERGY SERVI	136777	0	0	500	SP	FPC	01		0	0
192	MID 17	NBPLANG VENTURA	99999999	ABC ENERGY SERVI	99999999	0	0	1	78623	MID 17	VENTURA POOL	99999999	ABC ENERGY SERVI	136777	0	0	500	FP	FPC	01		0	0
Delivery Location Totals:						1,000	0								-988	0						-12	0
192	MID 17	NBPLANG VENTURA	99999999	ABC ENERGY SERVI	99999999	0	0	1	79490	MID 17	ABC ENERGY SE	88888888	XYZ MARKETING LI	136789	0	0	500	FP	FPC	01		0	0
192	MID 17	NBPLANG VENTURA	99999999	ABC ENERGY SERVI	99999999	250	250	1	79490	MID 17	ABC ENERGY SE	88888888	XYZ MARKETING LI	136789	-247	-248	500	SS	FPC	01	2	-3	-2
192	MID 17	NBPLANG VENTURA	99999999	ABC ENERGY SERVI	99999999	250	0	1	79490	MID 17	ABC ENERGY SE	88888888	XYZ MARKETING LI	136789	-247	0	500	SS				-3	0
192	MID 17	NBPLANG VENTURA	99999999	ABC ENERGY SERVI	99999999	0	0	1	79490	MID 17	ABC ENERGY SE	88888888	XYZ MARKETING LI	136789	0	0	500	SP	FPC	01		0	0
37654	MID 16 B	NNG FIELD MKT DEN	99999999	ABC ENERGY SERVI	136775	500	0	1	79490	MID 17	ABC ENERGY SE	88888888	XYZ MARKETING LI	136789	-495	0	500	PS	FPC	01		-5	0
37654	MID 16 B	NNG FIELD MKT DEN	99999999	ABC ENERGY SERVI	136775	0	0	1	79490	MID 17	ABC ENERGY SE	88888888	XYZ MARKETING LI	136789	0	0	500	FP	FPC	01		0	0
78623	MID 17	VENTURA POOLING P	99999999	ABC ENERGY SERVI	136777	600	0	1	79490	MID 17	ABC ENERGY SE	88888888	XYZ MARKETING LI	136789	-594	0	1	SS	FPC	01		-6	0
78623	MID 17	VENTURA POOLING P	99999999	ABC ENERGY SERVI	136777	0	0	1	79490	MID 17	ABC ENERGY SE	88888888	XYZ MARKETING LI	136789	0	0	1	SP	FPC	01		0	0
78623	MID 17	VENTURA POOLING P	99999999	ABC ENERGY SERVI	136777	0	0	1	79490	MID 17	ABC ENERGY SE	88888888	XYZ MARKETING LI	136789	0	0	1	FP	FPC	01		0	0
Delivery Location Totals:						1,600	250								-1,583	-248						-17	-2
Contract Totals:						2,600	250								-2,571	-248						-29	-2

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**.

TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Welcome, USER SMITH

Main Nomination Confirmation Scheduled Quantity Storage

Storage Contract Balance

Reg Date: 03/01/2020 End Date: 03/31/2020

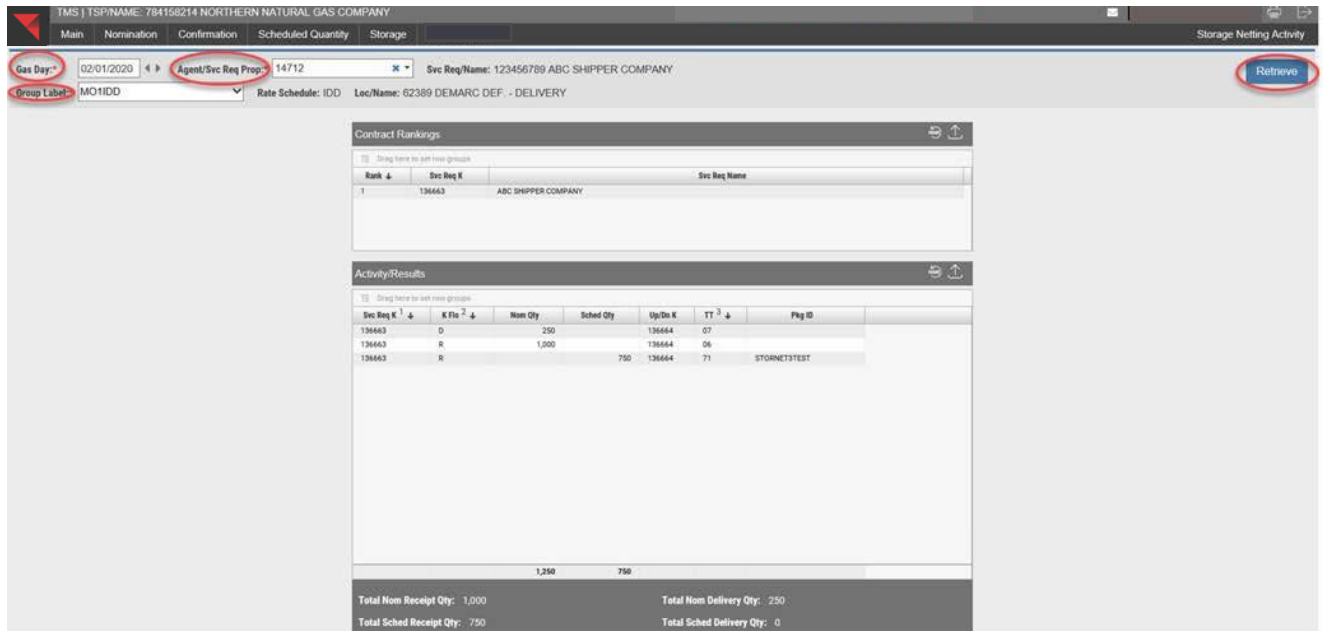
Svc Req ID: 136774 (ID/DD) Svc Req/Name: 999999999 ABC ENERGY SERVICES

Retrieve

Reg Date	Loc	Nom In Qty	Sched In Qty	Nom W/D Qty	Sched W/D Qty	Reg 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	62389	0	21,727	0	0	0	21,727
03/07/2020	62389	0	0	0	0	0	21,727
03/08/2020	62389	0	0	0	0	0	21,727
03/09/2020	62389	0	0	0	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	0	0	0	0	0	21,727
03/14/2020	62389	0	0	0	0	0	21,727
03/15/2020	62389	0	0	0	0	0	21,727
03/16/2020	62389	0	0	0	0	0	21,727
03/17/2020	62389	0	0	0	0	0	21,727
03/18/2020	62389	0	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	0	0	0	0	21,727
03/23/2020	62389	0	0	0	0	0	21,727
03/24/2020	62389	0	0	0	0	0	21,727
		1,000,000	21,727	0	0	0	

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 Netting Activity**.
- Enter **Gas Day**, **Agent/Svc Req Prop** and **Group Label**. Select **Retrieve**.

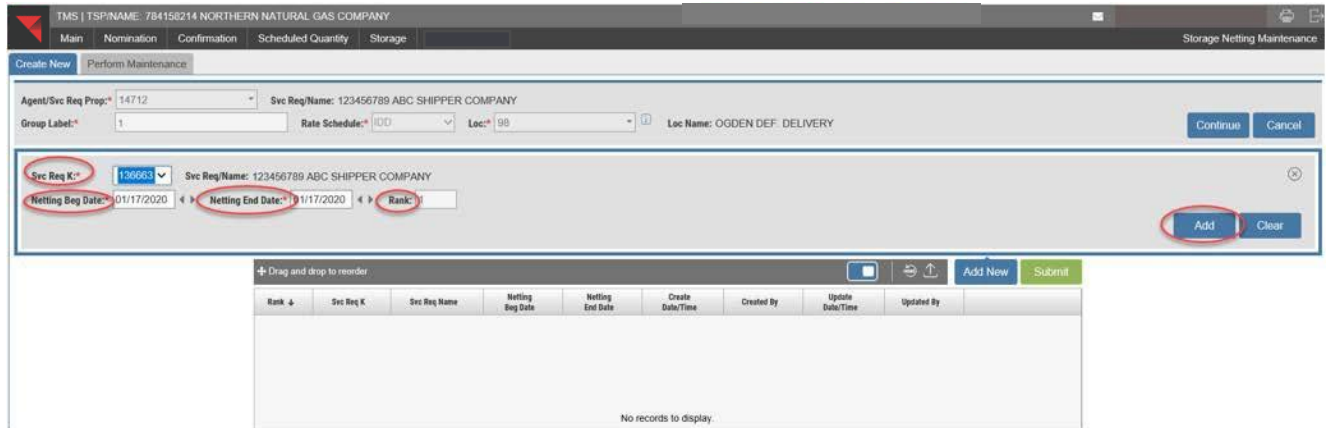


Storage Netting Maintenance

- 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**.



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



TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main | Nomination | Confirmation | Scheduled Quantity | Storage | **Storage Netting Maintenance**

Create New | Perform Maintenance

Agent/Svc Req Prop: 14712 | Svc Req/Name: 123456789 ABC SHIPPER COMPANY

Group Label: 1 | Rate Schedule: IDD | Loc: 98 | Loc Name: OGDEN DEF. DELIVERY

Continue | Cancel

Sec Req K: 136603 | Svc Req/Name: 123456789 ABC SHIPPER COMPANY

Netting Beg Date: 01/17/2020 | Netting End Date: 01/17/2020 | Rank: 1


Add | Clear

Drag and drop to reorder

Rank	Svc Req K	Svc Req Name	Netting Beg Date	Netting End Date	Create Date/Time	Created By	Update Date/Time	Updated By
No records to display.								

Add New | Submit

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



TMS | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main | Nomination | Confirmation | Scheduled Quantity | Storage | **Storage Netting Maintenance**

Create New | Perform Maintenance

Agent/Svc Req Prop: 14712 | Svc Req/Name: 123456789 ABC SHIPPER COMPANY

Group Label: 1 | Rate Schedule: IDD | Loc: 98 | Loc Name: OGDEN DEF. DELIVERY

Continue | Cancel

Sec Req K: 136603 | Svc Req/Name: 123456789 ABC SHIPPER COMPANY

Netting Beg Date: 01/17/2020 | Netting End Date: 01/17/2020 | Rank: 1

Add | Clear

Drag and drop to reorder

Rank	Svc Req K	Svc Req Name	Netting Beg Date	Netting End Date	Create Date/Time	Created By	Update Date/Time	Updated By
1	136603	ABC SHIPPER COMP.	01/17/2020	01/17/2020				

Add New | Submit

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 | TSP/NAME: 784158214 NORTHERN NATURAL GAS COMPANY

Main | Nomination | Confirmation | Scheduled Quantity | Storage | **Storage Netting Maintenance**

Create New | **Perform Maintenance**

Agent/Svc Req Prop: 14712 | Svc Req/Name: 123456789 ABC SHIPPER COMPANY

Group Label: 1 | Rate Schedule: IDD | Loc: 98 | Loc Name: OGDEN DEF. DELIVERY

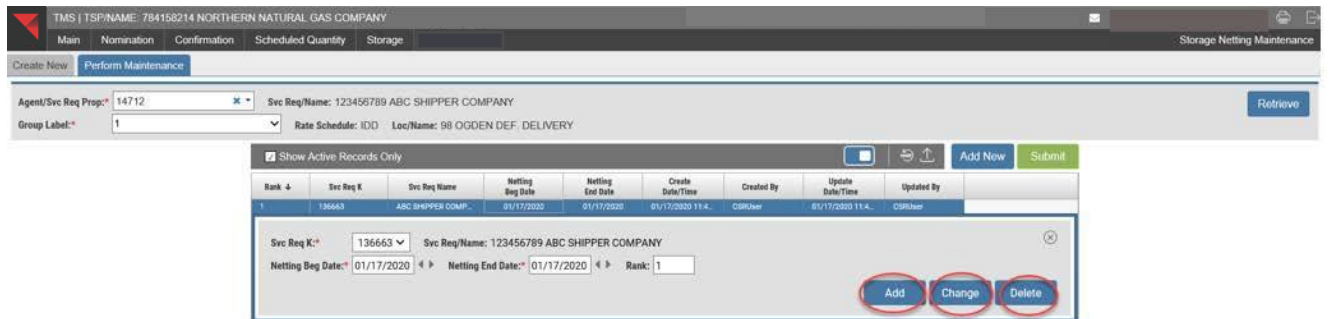
Retrieve

- The current record appears.



Rank	Svc Req K	Svc Req Name	Netting Beg Date	Netting End Date	Create Date/Time	Created By	Update Date/Time	Updated By
1	136663	ABC SHIPPER COMP.	01/17/2020	01/17/2020	01/17/2020 11:4...	CSRDuser	01/17/2020 11:4...	CSRDuser

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



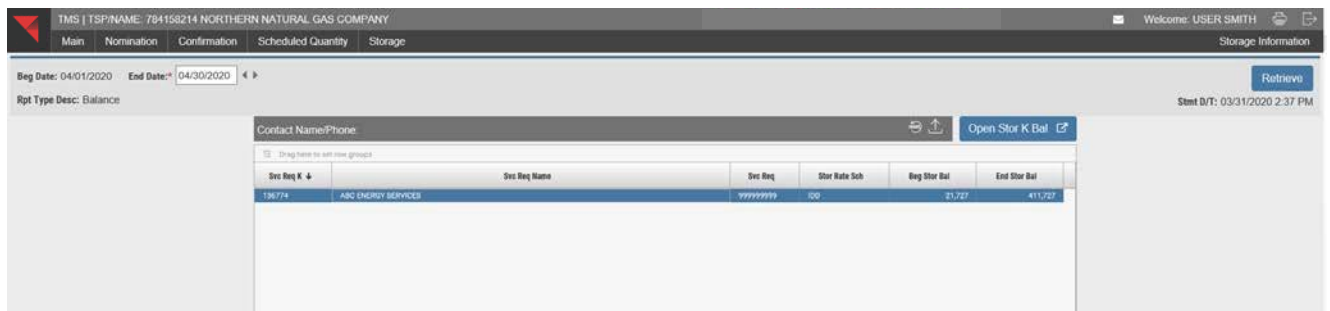
Svc Req K: 136663 Svc Req Name: 123456789 ABC SHIPPER COMPANY

Netting Beg Date: 01/17/2020 Netting End Date: 01/17/2020 Rank: 1

Buttons: Add, Change, Delete

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**.



Svc Req K	Svc Req Name	Svc Req	Stor Rate Sub	Beg Stor Bal	End Stor Bal
196774	ABC ENERGY SERVICES	99999999	100	0.727	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.



- Example of a PDF report generated.

TSP: 784158214

TSP Name: Northern Natural Gas Company

Storage Inventory Management System

Contract Balance by Shipper/Contract Report

Start D/T: 03/31/2020 2:46 pm

Page: 1 of 1

Contract Number: 136774

Service Type: ID

Contract Sub Type:

Shipper Name: ABC ENERGY SERVICES

Max Monthly Injection: 0

Min Monthly Injection: 0

Max Monthly Withdrawal: 0

Min Monthly Withdrawal: 0

Loc: 62389

Loc Name: 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	0
Loc Total:	3,000,000	390,000	0	0								
Ctrc Total:	3,000,000	390,000	0	0	0							

***** END OF REPORT *****

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**.



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.

