



TGP Hourly Process Changes
11pm-8am
WEBEX

February 13, 2020

Summary

- *TGP has added new enhancements and procedures for the Hourly cycles (11pm – 8am CCT) for shippers and confirming parties*
- *The purpose of the changes is to add efficiency and automation to the hourly cycles*

New Enhancements and Procedures:

- Removal of the 'change indicator' check box requirement
- Automation of confirmation process
- Automatic email notifications
- Implementation of pipeline restrictions for increases at hourly cycle if required

No Change:

- Nomination and Confirmation deadlines
- Nominations that do not match previously scheduled volumes are considered a change request
- Nomination batches containing buy/sell mismatches will still be automatically disapproved
- TGP will enforce EPSQ and MHE consistent with NAESB cycles.

ACTION NEEDED:

Shippers and UDP Confirming Parties:

- Subscribe to the cut notice (“NOTICE CUT”) in ‘Business Preferences’

Operators:

- Subscribe to the confirmation report (“CONFIRMATIONS REPORT”) in ‘Business Preferences’

New Hourly Process - effective Feb 20, 2020

Removing the 'change indicator' check box

Shippers will **no longer** see the change indicator column in a hourly batch

Cycle : 08 AM
Status
QTY/PDA/Rank :

Up Dn Ctrct Id
 Show Zeros - Up
 Show Zeros - Dn

Counter Prty Nom	Del Qty (Net)	Up Rank/ Del Rank	Change Ind
	300		<input checked="" type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Guidelines:

- A nominated line item **will only be considered a change** if the quantity differs from the last cycle's final scheduled quantity. Continue to match cuts on any line items not intended to come up
- Rank changes are **not** considered a change without volumetric changes
- **Only** include meters with volumetric changes in the batch

New Hourly Process - effective Feb 20, 2020

Automation of Confirmation

Locations that allow hourly changes

- Email will be sent to operator detailing the hourly change shortly after nom deadline.
- If operators agree, no action required.
- If operators disagree, they must inform TGP by phone (713-420-4999) or email (transsvcs@kindermorgan.com) by the confirmation deadline (i.e. 30 minutes after nom deadline).

Locations that do not allow hourly changes

- Nominations at these locations will prompt a **NEW** warning message during nomination validations.



- If the hourly batch includes a confirmation change at one the these meters, then the entire batch will be disapproved.

Contact operator if receiving this validation message and tell them to contact TGP if they wish to be set up to accept hourly nominations at their meters going forward

Important!

Always 'Validate' before submitting hourly nomination

New Hourly Process - effective Feb 20, 2020

Automatic Email Notifications

Notifications for Hourly Cycles

Notification of a 'Disapproved' nomination

- Nominations that are disapproved due to a buy/sell mis-match or non-hourly meter, will automatically generate an email notification to the nominating party.

Notification of confirmation changes at a meter

- Upon TGP approval of a nomination, an email notification will be sent to confirming parties (UDP and OPR) specifying details of hourly changes at the meter.

Notification of Final Scheduled Volumes for the cycle

- When TGP completes the hourly cycle, all parties with hourly changes will be sent notification that final volumes are available for that cycle.

New Hourly Process - effective Feb 20, 2020

Automatic Email Notifications



Notice Examples

UDP/Operator notice of change at meter

Subject: TGP Hourly Nom Change submitted at meter 12345 – 08AM Hourly Cycle

A 08AM Hourly nomination change has been submitted at location 12345 – ABC Meter for gas day 01/01/2020. Please note that the nomination changes detailed below will be auto-confirmed unless the user confirms a lesser volume by communicating to TGP via phone at 713-420-4999 or by email to tgptranssvcs@kindermorgan.com no later than 30 minutes after the nom deadline.

08AM Hourly nom change

K flo: D Up/Dn Name: XYZ Company LLC

Up/Dn ID: 987654321

Svc Req ID: XYZ Company LLC

Svc Req ID: 123456789

Previous Sched: 200,000

Current Nom Qty: 216,238

Please note that final volumes may change due to pipeline restrictions, system balancing, and/or confirmation reductions.

Note:

Email will be prompted when TGP approves nomination from 'Waiting for Approval' to "Nominated" status after nomination deadline.

New Hourly Process - effective Feb 20, 2020

Automatic Reporting and Email Notifications



Notice Examples *(cont.)*

Shipper notice of disapproved nomination

For 08AM Cycle

The 08AM hourly for Gas Day 01/28/2020 and batch id 325969280 ACME RESOURCES COMPANY, LLC cannot be processed due to a buy/sell mismatch or nomination changes at a location that does not accept hourly changes.

Location: 420891

Please contact your Scheduler if you have any questions.

Final volumes notice for Shipper, UDP, and Operator

For 08AM Cycle


TGP HOURLY SCHEDULING NOTICE FOR GAS DAY 01-23-20 - 08AM Hourly Cycle

Effective for the Gas Day of January 23, 2020, TGP scheduled the 08AM Hourly Cycle. Please review final scheduled volumes for this hourly cycle and contact your Scheduler if you have any questions

Note:

Final Volumes notice will only be sent to parties with changing volumes for the specified hourly cycle.

Pipeline Restrictions for Hourly Nominations

- At each hourly cycle, TGP will evaluate and restrict increases if necessary any segments/points over capacity.
- Switching contracts at an hourly cycle will be considered an increase on the new contract. 
- Capacity will be allocated based on priority of service consistent with NAESB cycles
- Only nomination line items with hourly changes will be subject to cuts/balancing based on rank.

New Hourly Process - effective Feb 20, 2020

Restrictions at hourly cycle - Example

Path ranking -324FH segment restriction - *all increases*

<u>Contract ABC</u>	<u>path rank</u>	<u>ID3</u>	<u>8am</u>		<u>final Sched vol after restrictions</u>
		<u>sched vol</u>	<u>nom vol</u>		
** 500 pool to Mahwah	100	0	10,000	(8am increase)	0
800 pool to Mahwah	300	5,000	5,000		5,000
** 200 pool to Mahwah	999	0	12,000	(8am increase)	0



Result: There was no change submitted for the 800 pool to Mahwah line at 8am, therefore was not included in segment cuts even though it was ranked lower than the 500 pool transport nom.

Meter ranking –Mahwah delivery Opr confirmed 1,000 dth increase from previously scheduled

<u>Contract ABC</u>	<u>del meter rank</u>	<u>ID3</u>	<u>8am</u>		<u>final Sched vol after restrictions</u>
		<u>sched vol</u>	<u>nom vol</u>		
** 500 pool to Mahwah	50	0	4,000	(8am increase)	4,000
800 pool to Mahwah	80	5,000	5,000		5,000
** 200 pool to Mahwah	900	6,000	12,000	(8am increase)	3,000



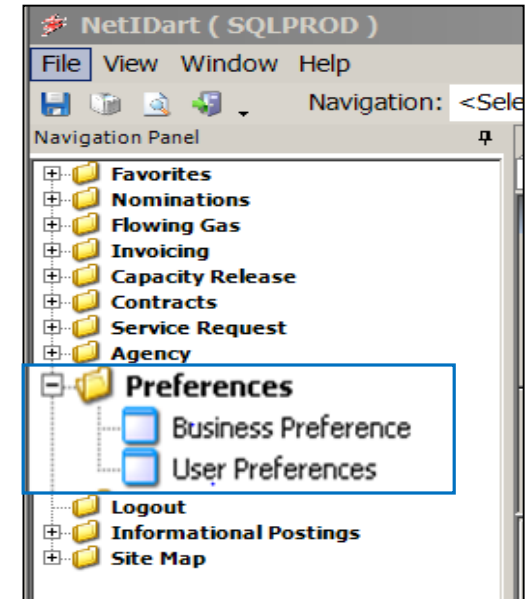
Result: There was no change submitted for the 800 pool to Mahwah line at 8am, therefore was not included in operator cuts even though it was ranked lower than the 500 pool transport nom.

New Hourly Process - effective Feb 20, 2020

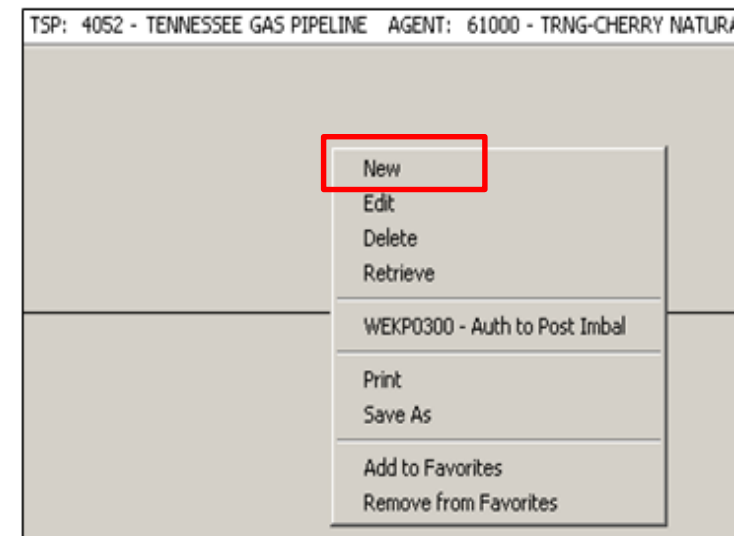
Subscribe to Hourly Notifications

Set up instructions for notifications

- Click the '+' sign to the left of "Preferences"
- Select "Business Preferences"



- Right click anywhere in screen and select 'New'



Set up instructions - Email Notices

Hourly Cycles

SET UP TO AUTOMATICALLY RECEIVE EMAIL NOTICES– (hourly cycle)

- Pop up box will be prompted
- Click drop down box by 'Business Function' to display notices to select
- Select the "Contact Role". User can set up 'Primary', 'Backup', or both to receive a particular notice
- Input the contact information for each applicable category
 - Click the "Save" button
 - Click the "Close" button

The screenshot shows the 'Add Screen' dialog box. The 'Business Function' dropdown menu is open, displaying a list of options: NOMINATIONS*, NON-Discounted Point Report, NOTICES CRITICAL, NOTICES CUT (highlighted), NOTICES INTRADAY BUMP, NOTICES NON-CRITICAL, RECALL EMAIL NOTICES, and ROFR NOTICES. Other fields include Contact Name, Email Address, Confirm Email, Office Phone#, Pager#, Title, and Delivery Preference (set to Email).

TGP customers participating in hourly nominations should sign up for the following notices:

Shippers and UDP - 'NOTICES CUT'

Operators - 'Confirmation Report'

The screenshot shows the 'Add Screen' dialog box. The 'Business Function' dropdown menu is open, displaying a list of options: Confirmation Report (highlighted), FOC Warning Nom Cut, IMBAL TRD/STOR TRANS, INVOICES, IOS POSTING NOTICES, LDC Report, NOMINATIONS*, and NON-Discounted Point Report. Other fields include Contact Name, Email Address, Confirm Email, Office Phone#, Pager#, Title, and Delivery Preference (set to Email).

New Hourly Process - effective Feb 20, 2020

Important Notes for Feb 20 implementation



- Operators who do not currently take hourly changes and would like to going forward, should contact TGP to set up their locations to allow hourlies.
- Always 'Validate' before submitting hourly nominations.
- Switching contracts for hourly cycles **may be at risk** if restrictions occur.
- 8am nominations will start processing at 8:00.
- Shippers and UDP confirming parties who participate in hourly cycles should be subscribed to 'CUT NOTICE' in 'Business Preferences' to receive automatic notifications.
- Operators who participate in hourly cycles should be subscribed to 'CONFIRM REPORT' in 'Business Preferences' to receive automatic notifications.

Hourly Reminders

- **TGP will evaluate EPSQ and MHE (maximum hourly entitlement) in the hourly cycles.**
- **Nominations should be submitted as soon as the need for a change is recognized and prior to gas flow.**
- **Absent a TGP Storage or linepack service, nomination increases are subject to disapproval based on system operating conditions.**
 - OFO days are indicative of limited system flexibility.
- **All nomination increases will be evaluated against system constraints.**
- **Hourly nomination requests should not put any party or meter further out of balance with the pipeline.**

New Hourly Process - effective Feb 20, 2020

No Change to Timeline



Regular work hours (Monday – Friday) from 7:00 AM until 4:30 PM

- Call your Scheduling Rep during business hours
- Call the TGP Scheduling hotline for any questions after 4:30 PM until 10:00 PM , 713-420-4999

TGP Schedulers are available until 10 PM CCT nightly and will process any 11 PM hourlies

Nominations for the 12:00 AM – 6:00 AM hourly cycles must follow the criteria below

- Must be entered in DART
- Call Gas Control (1-800-231-2800)
- Gas Control will call the On Call Scheduler
- **On Call Scheduler approves/disapproves the nomination then restricts if necessary**
- If Gas Control is not notified, the nom will not get processed
Call the TGP Scheduling hotline for any questions after 4:30 PM until 10:00 PM
713-420-4999

Weekends and Holidays

Call the TGP Scheduling hotline for any questions from 7:00 AM until 10:00 PM
713-420-4999

After 10:00 PM call Gas Control
1-800-231-2800

Questions?

TGP appreciates your business!

APPENDIX

- Hourly Nomination Considerations
- Measurement screens for hourly flow info
- Scheduling deadlines

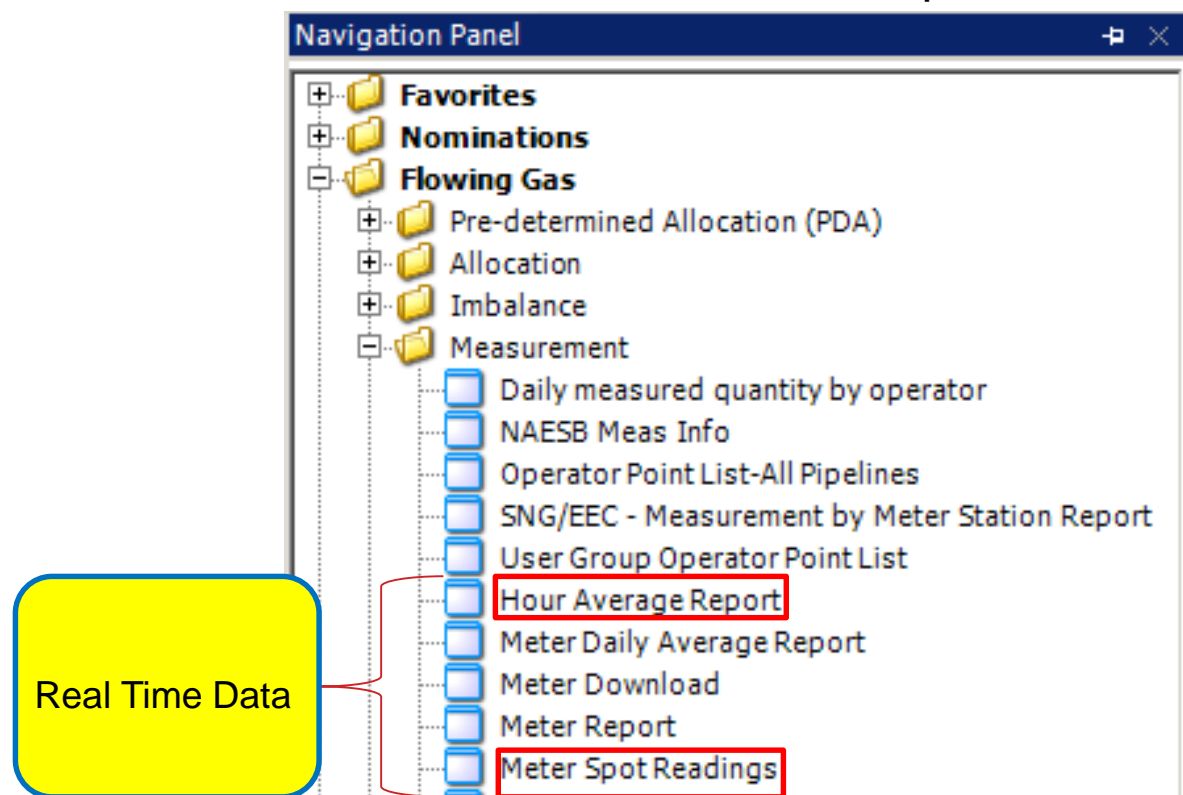
Important Hourly Nomination Considerations

- TGP's mainline system is designed based on even hourly takes. Gas Control should be contacted when customers cannot flow on a uniform hourly basis.
- Hourly over pulls may threaten pipeline deliverability.
- Leaving too much gas on the pipe can be just as problematic as taking too much gas.
- Scheduled quantities at a point should be as close to actual flow as possible.
- Nominations that are disapproved at 8am will not be approved as a retro request later
- TGP depends on accurate information from the scheduling system to ensure gas reliably arrives at the contracted location.

Hourly flow

■ TGP allows users to view physical flows at any meter

- Shippers can verify the physical flow before submitting an hourly nomination
- The volumes are TGP's best available operational data



- Volumes are updated every 15 minutes

Hourly Average Report

- Operators can access the real time data for the operator's PINs
- Shippers are also able to view the real time flow data

Meter Report - WCTM1500; 05/01/ | Meter Spot Readings - WCTM1510; **Hour Average Report - WCTM1** | Meter Daily Averages Report - WC | Meter Download - WCTM1540; 05/

Pipeline: 4052 - TENNESSEE GAS PIPELINE COMPANY, L.L.C.

PIN: 400448 CICO/TGP MERCY GU 1 LIBE Retrieve

Flow Date: 5/ 1/2013 Clear

Flow Gas Quality/Press

4/30/2013			Yesterday			5/1/2013			Today		
Time	Daily Rate	Hourly	Cumm Hourly	Time	Daily Rate	Hourly	Cumm Hourly	Time	Daily Rate	Hourly	Cumm Hourly
9 AM	270.6540	11.2772500	11.2772500	9 PM	619.7055	25.8210625	322.2689833	9 AM	602.6481	25.1103375	25.1103375
10 AM	371.5117	15.4796541	26.7569041	10 PM			347.8786458	10 AM	602.0684	25.0861833	50.1965208
11 AM	678.2207	28.2591958	55.0161000	11 PM	614.6319	25.6096625	373.5845750	11 AM			
12 PM	664.8472	27.7019666	82.7180666	12 AM			398.8457666	12 PM			
1 PM	647.6824	26.9867666	109.7048333	1 AM			424.1069583	1 PM			
2 PM	646.4186	26.9341083	136.6389416	2 AM			449.3681500	2 PM			
3 PM	646.4186	26.9341083	163.5730500	3 AM				3 PM			
4 PM	646.4186	26.9341083	190.5071583	4 AM	616.9423	25.7059291		4 PM			
5 PM	637.7994	26.5749750	217.0821333	5 AM				5 PM			
6 PM	634.9263	26.4552625	243.5373958	6 AM	606.2686	25.2611916		6 PM			
7 PM	634.9263	26.4552625	269.9926583	7 AM	606.2686	25.2611916		7 PM			
8 PM	634.9263	26.4552625	296.4479208	8 AM	606.2686	25.2611916		8 AM			

Curr Rdg	603.9495	Pressure	
Mtr Press		Cust Press	651.0010
May 01, 2013		Scheduled	0.0000
6018 CICO/TGP MERCY GU 1 LIBERTY			
CICO OIL & GAS			

Yesterday		Today		Both	
Min	270.6540	Min	602.0684	Min	270.6540
Max	678.2207	Max	602.6481	Max	678.2207
Avg	599.1575	Avg	602.3583	Avg	599.4776

This is Operational Data Only... Non Custody Transfer Data.
This Data is Subject to Adjustments.

Retrieved 5/1/2013 11:32:19 AM

Scheduling Deadlines

NAESB Cycles					
	Day Ahead	Day Ahead	Intraday	Intraday	Intraday
	Timely	Evening	ID1	ID2	ID3
Nom Deadline	1:00 PM	6:00 PM	10:00 AM	2:30 PM	7:00 PM
Confirmation Deadline	4:30 PM	8:30 PM	12:30 PM	5:00 PM	9:30 PM
Scheduled Volumes Available	5:00 PM	9:00 PM	1:00 PM	5:30 PM	10:00 PM
Start of Gas Flow	9:00 AM	9:00 AM	2:00 PM	6:00 PM	10:00 PM
Hours of Flow left in Gas Day	24 hrs	24 hrs	19 hrs	15 hrs	11 hrs
EPSQ	N/A	N/A	20.83%	37.50%	54.17%
		Bumpable	Bumpable	Bumpable	No Bumping
Bumping applicable to IT and below services					

TGP follows the NAESB standard nomination cycles for Timely, Evening, ID1, ID2, and ID3 and also offers the flexibility of hourlies (Tariff sheet no. 313A)

Hourly nomination cycles (11:00 PM – 8:00 AM CCT)