

Northwest Pipeline LLC

OFO, Entitlement and Text Messaging

December 2017



Williams

A large white flag with the Williams logo and the word "Williams" in bold black letters is flying in the wind. The flag is attached to a silver pole. In the background, a portion of the American flag is visible, and the sky is a clear blue.

OFO discussion

- > Northwest declares Operational Flow Orders (OFO's) when primary noms through a constraint exceed design capacity or posted operational capacity
- > For example, the design capacity at Kemmerer is 655,000 Dth/d. When certain conditions exist on the pipe, operationally more volume can be moved through Kemmerer. The OFO would be issued at the operational capacity rather than the design capacity.

OFO discussion

> **Customer initiated OFO improvements**

- Customer has choice whether to recall or not when an OFO is called
- Customer can see if replacement nominated – to better help reason for OFO obligation
- OFO Response screen in Passage
 - Allows customers to select which contract(s) they will comply on

OFO discussion

> **Customer initiated OFO improvements (Continued)**

–2017 Tariff changes

- Limit operating conditions under which OFO can be declared
- Establish a minimum OFO obligation (100 Dth)
- Allows 3rd Parties such as agents and AMA's to receive the OFO notices

Entitlement discussion

> Entitlements

- Overrun Entitlement
- Underrun Entitlement
- Stages – Stage III (13%), Stage II (8%), Stage I (3%) Same Day (5%)

Entitlement discussion

> Entitlements 2008-2017

- 17 Overrun Entitlements
 - Avg Length 6 1/2 days

 - Stages
 - Stage III (13%) – 6 Entitlements
 - Stage II (8%) – 10 Entitlements
 - Stage I (3%) – 1 (JP outage in 2009)

 - Months
 - January – 5 Entitlements
 - December – 5 Entitlements
 - February – 4 Entitlements
 - April, October, March – 1 Entitlement each

Entitlements - Factors

– Jackson Prairie

- What is the deliverability - trend?
- How far into the demand curve?
- What is NWP's account - trend?

– System dynamics

- Linepack
- Morning pull
- System trends

– Weather

- Upcoming forecast
- What is customer load based on temps vs NWP storage ability

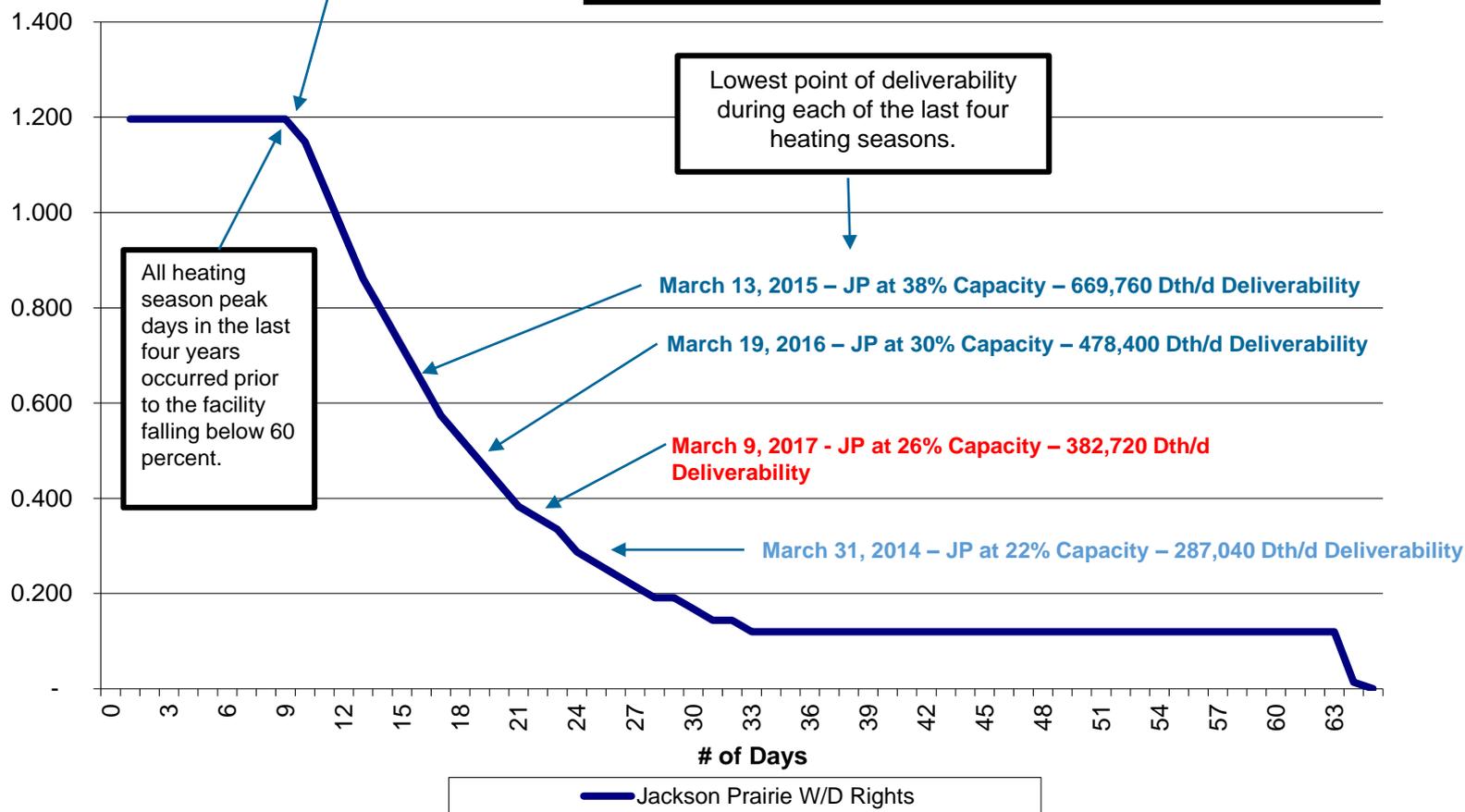
– Customer Behavior

- Banking or drafting leading up to cold spell

Jackson Prairie Withdrawal Deliverability Curve

Date during the last four heating seasons that the balance dropped below 60 percent of capacity.
 January 20, 2014
 February 22, 2015
 February 4, 2016
 January 12, 2017

NOTE: Deliverability curve is based on a beginning seasonal quantity of 25.6 MMDth. Withdrawal capacity starts out at 1.2 MMDth/d and declines by 2 percent for each 1 percent the capacity drops below 60 percent.



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- 🔧
- 🔍
- ✉
- SCHEDULED QUANTITY
- SCHEDULING CONTROL PANEL
- RECEIVING PARTY
- OBA
- VOUCHER
- CUSTOMER OFO RESPONSE
- INVOICE
- DAILY VOLUMES
- NOMINATION CONFIRMATIONS

NORTHWEST PASSAGE

TSP: 67977322 TSP Name: Nort

The pop-up below appears each time you logon to Northwest Passage unless you click on the “don’t show this prompt again.”

The pop-up allows you to select “My Settings” to set up texting or the help link for instructions.

New Feature Available

Customers can go into [My Settings](#) to sign up to receive critical notices via a text message. [\(Click here for help\)](#)

Don't show this prompt again

Close



We make energy happen.™



NORTHWEST PASSAGE

Welcome Rick Mendisabal
QA (8d 0h 14m)

TSP: 67977322 TSP Name: Northwest Pipeline LLC Server Time: 11/15/2017 03:07:14 MCT

- Dashboard
- My Settings**
- Log Out
- About

If the pop-up has been dismissed go to "My Settings" by clicking the "gear" icon at the top of the window

Select "My Settings"

We make energy happen.™

The screenshot shows a web browser window with the URL <http://tulqwnwpapp01:8080/passage/logon>. The browser's address bar and menu bar are visible. The application header includes the title "NORTHWEST PASSAGE" and a user welcome message for Rick Mendisabal. A navigation menu on the left lists various system functions. A user profile pop-up is open in the top right corner, and a gear icon is highlighted. Red text and arrows provide instructions on how to access the "My Settings" option.

NORTHWEST PASSAGE
TSP: 67977322 TSP Name: Northwest Pipeline LLC

My Settings

My Info | **Notification** | My Dashboard | Cut Notice

Email	Text	Message	Function
<input checked="" type="checkbox"/>			NEWSLETTER
<input checked="" type="checkbox"/>			CAP RELEASE NOTICES EMAIL RECIPIENT
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	ALL NOTICES EMAIL RECIPIENT
<input checked="" type="checkbox"/>			SHORT-TERM FIRM CAP EMAIL RECIPIENT
<input checked="" type="checkbox"/>			RECALL NOTIFICATION
<input checked="" type="checkbox"/>			NOTICES EMAIL RECIPIENT
<input type="checkbox"/>			BUMPING NOTICE EMAIL RECIPIENT
<input type="checkbox"/>			CAPACITY RELEASE
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		CRITICAL NOTICES EMAIL RECIPIENT
<input type="checkbox"/>			CUT NOTICE
<input type="checkbox"/>			MAINTENANCE NOTICES EMAIL RECIPIENT
<input type="checkbox"/>		<input type="checkbox"/>	PIPELINE CONDITIONS E-MAIL
<input type="checkbox"/>			RATE CASE COMMUNICATIONS
<input type="checkbox"/>			TARIFF EMAIL

On the notifications tab select "Text" for Critical Notices.

Next go to the "My Info" tab.

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- ✉
- UNLIMATED QUANTITY
- CONTROLLING CONTROL PANEL
- MOVING PARTY
- HER
- CUSTOMER OF RECORD RESPONSE
- DE
- VOLUMES
- NOTIFICATION CONFIRMATIONS

NORTHWEST PASSAGE

TSP: 67977322 TSP Name: Northwest Pipeline

My Settings

- My Info
- Notification
- My Dashboard
- Cut Notice

Active:

First Name:

Last Name:

Title:

Office Phone: Ext.:

Fax Number:

24 Hour Phone:

Cell Number: Carrier:

Pager: Ext.:

Email Address:

IM Id:

Company: Northwest Pipeline LLC

Address:

Line 1:

Line 2:

City: State:

Zip Code: Country:

Market Mgr:

Market Rep:

Add phone number if needed. Click Verify Carrier. A 5 digit code will be sent to your phone.

Verify Mobile Phone Carrier

A text message containing a verification code has been sent to the phone.

Please enter code below:

Did not receive the code?

Carrier is updated automatically once verified.

NORTHWEST PASSAGE

TSP: 67977322 TSP Name: Northwest Pipeline LLC

My Settings

My Info Notification My Dashboard Cut Notice

Active:

First Name:

Last Name:

Title:

Office Phone: Ext.:

Fax Number:

24 Hour Phone:

Cell Number: Carrier:

Pager: Ext.:

Email Address:

IM Id:

Company: Northwest Pipeline LLC

Address:

Line 1:

Line 2:

City: State:

Zip Code: Country:

Market Mgr:

Market Rep:

Verify Mobile Phone Carrier

A text message containing a verification code has been sent to the phone.

Please enter code below:

Did not receive the code?

Type code and click the verify button.

The screenshot shows the 'My Settings' page for Northwest Passage. The page is divided into two main sections: 'My Info' and 'Company'. The 'My Info' section contains fields for Active status, First Name (RICK), Last Name (MENDISABAL), Title (NWP MARKETING SERVICES), Office Phone, Fax Number, 24 Hour Phone, Cell Number (801) 842-9543, Pager, Email Address (Rick.S.Mendisabal@Williams.com), and IM Id. The 'Company' section contains fields for Company (Northwest Pipeline LLC), Address, Line 1 (295 CHIPETA WAY), Line 2, City (SALT LAKE CITY), State (UT), Zip Code (84108), Country (1), Market Mgr (GVENZ), Market Rep (JKILPACK), Skup Hit Rep, and Maximum Allowable Opening Windows (10). A 'Verify Mobile Phone Carrier' dialog box is overlaid on the page, displaying a success message: 'A text message containing a verification code has been sent to the phone. Please enter the code below. Your mobile phone has now been successfully verified. 33737'. The dialog box has an 'OK' button and 'Verify' and 'Close' buttons at the bottom.

A successful verification will complete your setup and allow you to receive text messaging. Setup is complete.

If unsuccessful, you will be prompted to re-try and a new code will be sent.