



# NGTL System and Foothills Pipelines Ltd.

CUSTOMER OPERATIONS MEETING

FOR INFORMATIONAL PURPOSES ONLY



4 / 4 / 2024



Welcome and Thank You for Joining Us

### Participating via WebEx:

- Please sign-in through WebEx application including your full name and company
- To reduce background noise and improve audio quality, all WebEx participants will be placed on mute when entering the meeting
- Please submit your questions via using the raise hand function and coming off mute or the chat function and we will answer at the best possible opportunity

 SAFETY MOMENT

# April is National Safe Digging Month!

## Did you know...

Every year in North America, contact with underground utilities causes unnecessary injuries, deaths and billions of dollars worth of damages.

## What can you do?

Most incidents could be prevented by using your local One-Call service to locate utilities *before* you dig.

## Why use One-Call:

One-Call will notify utility owners in the area, who will come out and mark the utilities that could be running through your work area. It's a free service and is completed in 3-5 days, depending on your province or state.

### CANADA

**Click  
Before  
YouDig.com**

**Cliquez  
Avant  
deCreuser.com**

### UNITED STATES



Know what's below.  
Call 811 before you dig.

### MEXICO

**01-800-111-3333**

# Forward Looking Information

- ❖ This presentation includes certain forward-looking information. Statements that are forward-looking are based on certain assumptions and on what we know and expect today and generally include words like anticipate, expect, believe, may, will, should, estimate or other similar words.
- ❖ The information provided is for informational purposes only and is not to be relied upon for any other purpose whatsoever. The information is based upon certain assumptions that may or may not be accurate, and therefore is subject to various risks and uncertainties. TC Energy shall not be liable for damages sustained as a result of any use or reliance on such information.
- ❖ The outages listed in this presentation are not an exhaustive list. Outage date, duration, and impact may be subject to change. Refer to the Daily Operating Plan (DOP) for all planned outages with potential service impact.

No  
impact to FT

Refers to outage periods where FT impact is not expected

Potential  
impact to FT

Refers to outage periods where there is potential of FT impact

Partial  
impact to FT

Refers to outage periods where FT impact is expected

# Important Notes



Outage information in this presentation may not be accurate beyond the April 4, 2024, NGTL/Foothills Customer Operations (WebEx only) meeting



For current outage and capability information, please refer to the most recent Daily Operating Plan ([DOP](#)), the [Dashboard](#) and [bulletins](#)



This meeting covers broad operational and project-related topics that impact operations on the NGTL and Foothills systems. For information on focused Commercial, Operational and Regulatory topics, please contact your [Marketing Representative](#)

# Agenda



1. Projects Update
2. Review of Upcoming 2024 Outages
3. Wildfire Preparation



# Projects Update



# Project Updates: ISD Summary (since March 7, 2024 update)

NGTL:	
Intra-Basin Expansion	<ul style="list-style-type: none"><li>Saddle Hills Unit Addition (ISD mid April 2024) <i>*change since last update</i><ul style="list-style-type: none"><li>99% construction complete</li><li>99% commissioning complete</li></ul></li><li>Emerson Creek Compressor Station (In Service) <i>*change since last update</i><ul style="list-style-type: none"><li>100% construction complete</li><li>100% commissioning complete</li></ul></li></ul>

Availability of capacity remains subject to: Ground conditions, weather & road access/conditions, heated labour market, environmental and regulatory requirements and LTO approval by the CER



# 2024 Operational Outlook

(From DOP as of Wednesday, April 3)



# 2024 Outages

- All known planned outages at this time have been added to the DOP
- We will continue to make best efforts to limit changes of dates to larger impacting outages; however, Start and End Dates, Durations, Capability, Area of impact may be revised as new information becomes available or further optimization opportunities are identified

*Outages and/or maintenance work is posted to the DOP if there is reasonable expectation that the event could or will result in a change to service authorization levels.*

Optimization efforts are on-going, and we will continue to focus on safety, optimizing system capacity and minimizing outage impacts.

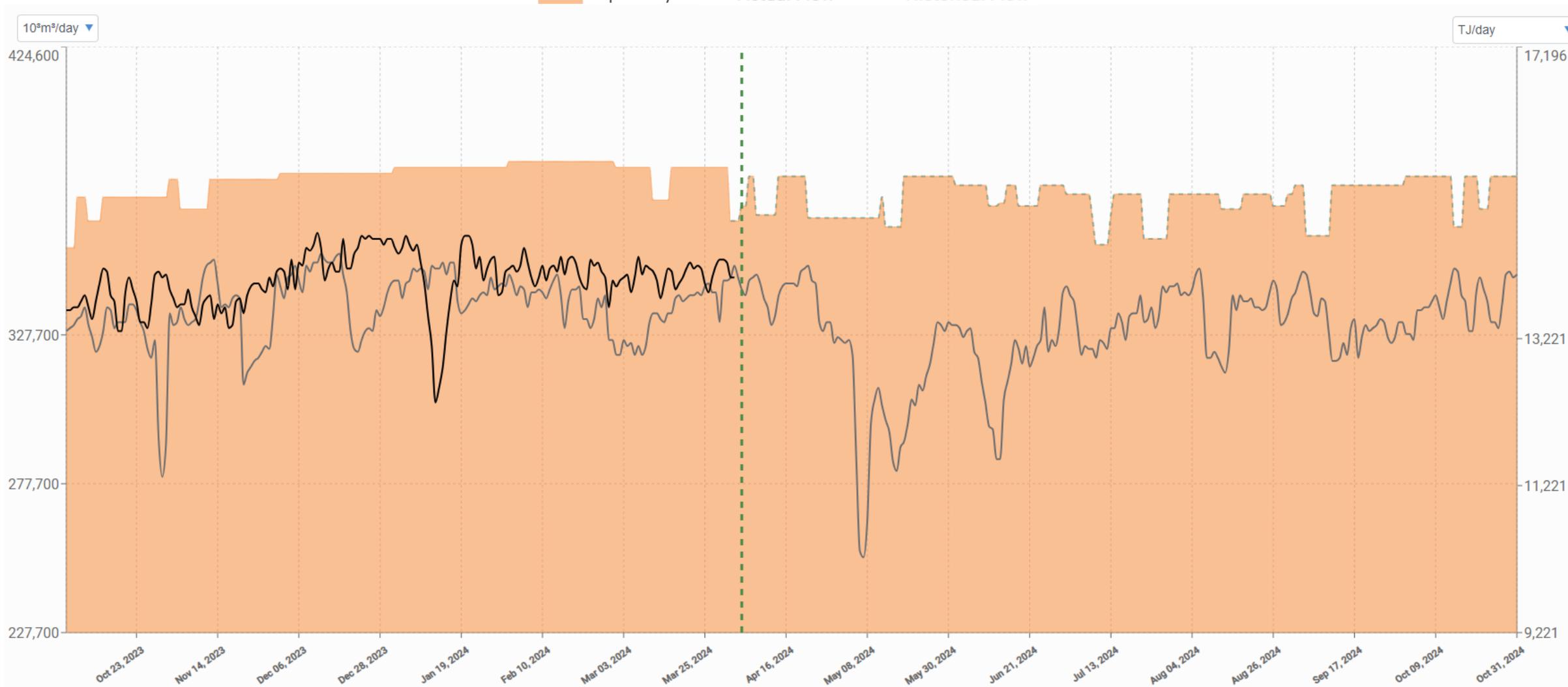
# Daily Operating Plan (DOP): Facility Assumptions

Date	Expansion Facilities
May 2024	<p>Intra-basin Expansion:</p> <ul style="list-style-type: none"><li data-bbox="652 476 1302 515">• Emerson Creek Compressor Station</li><li data-bbox="652 525 1179 564">• Saddle Hills C4 Unit Addition</li></ul>



# Upstream James River

Capability - Actual Flow - Historical Flow



May not be accurate beyond the April 4 NGTL/Foothills Customer Operations meeting on WebEx. Please refer to the DOP on TC Customer Express for current outage information.



# Upstream James River Receipt Area (USJR)

No impact to FT

Potential impact to FT

Partial impact to FT

Outage Description	Start	End	USJR Outage Capability (10 <sup>6</sup> m <sup>3</sup> /d)	USJR Impact (10 <sup>6</sup> m <sup>3</sup> /d)	Area Outage Capability (10 <sup>6</sup> m <sup>3</sup> /d)	Outage Area Typical Flows (10 <sup>6</sup> m <sup>3</sup> /d)	Service Allowable Location/Area
Otter Lake – Compressor Station Maintenance	1-Apr-24	3-Apr-24	366	15	234	195 - 225	Potential impact to FT-R USJR U/S Latornell
Alces River – Compressor Station Maintenance	1-Apr-24	5-Apr-24	371	10	239	195 - 225	Potential impact to FT-R USJR U/S Latornell
Gold Creek – Compressor Station Maintenance	8-Apr-24	13-Apr-24	368	13	273	230 - 260	Potential impact to FT-R USJR U/S Berland River
Berland River – Compressor Station Maintenance	22-Apr-24	11-May-24	367	14	N/A	340 - 360	Potential impact to FT-R USJR U/S Berland River
NPS 42 Edson Mainline Loop – Pipeline Maintenance	2-May-24	7-May-24	374	7	279	230 - 260	Potential impact to FT-R USJR U/S Berland River
Pipestone Creek – Compressor Station Maintenance	6-May-24	12-May-24	374	7	279	230 - 260	Potential impact to FT-R USJR U/S Berland River
Meikle River D5 – Compressor Station Maintenance	13-May-24	17-May-24	364	17	232	195 - 225	Potential impact to FT-R USJR U/S Latornell
Latornell – Compressor Station Maintenance	10-Jun-24	12-Jun-24	371	7	276	230 - 260	Potential impact to FT-R USJR U/S Berland River
Latornell A2 – Compressor Station Maintenance	10-Jun-24	14-Jun-24	372	6	277	230 - 260	Potential impact to FT-R USJR U/S Berland River
NPS 36 Edson Mainline Extension – Pipeline Maintenance	18-Jun-24	23-Jun-24	371	7	276	230 - 260	Potential impact to FT-R USJR U/S Berland
NPS 48 Tanghe Creek Loop 2 – Pipeline Maintenance	9-July-24	12-July-24	358	17	226	195 - 225	Potential impact to FT-R USJR U/S Latornell
Hidden Lake North B2 – Compressor Station Maintenance	8-July-24	13-July-24	368	7	236	195 - 225	Potential impact to FT-R USJR U/S Latornell

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# Upstream James River Receipt Area (USJR)

No  
impact to FT

Potential  
impact to FT

Partial  
impact to FT

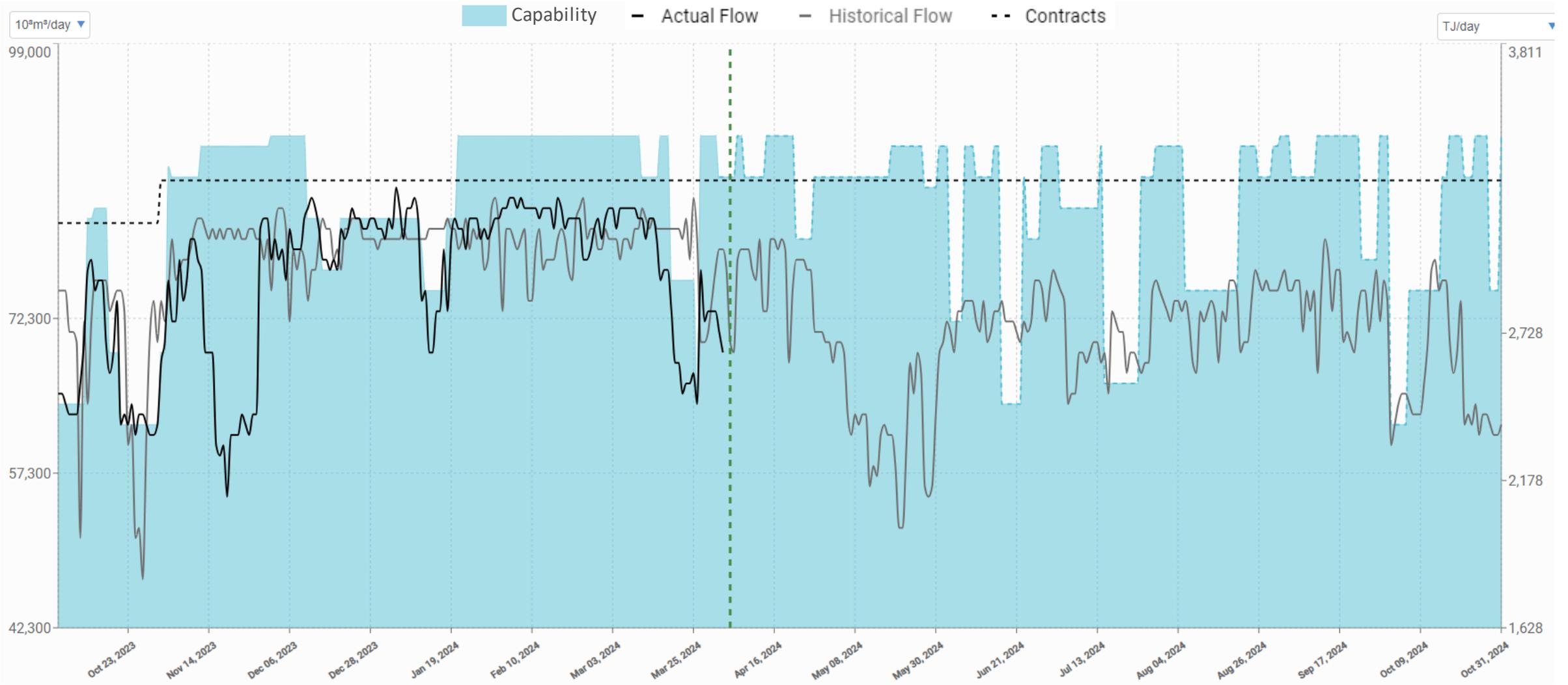
Outage Description	Start	End	USJR Outage Capability (10 <sup>6</sup> m <sup>3</sup> /d)	USJR Impact (10 <sup>6</sup> m <sup>3</sup> /d)	Area Outage Capability (10 <sup>6</sup> m <sup>3</sup> /d)	Outage Area Typical Flows (10 <sup>6</sup> m <sup>3</sup> /d)	Service Allowable Location/Area
Paul Lake – Compressor Station Maintenance	8-July-24	12-July-24	367	8	235	195 - 225	Potential impact to FT-R USJR U/S Latornell
Otter Lake – Compressor Station Maintenance	22-Jul-24	28-Jul-24	360	15	228	195 - 225	Potential impact to FT-R USJR U/S Latornell
NPS 36 WAS Mainline Extension – Pipeline Maintenance	12-Aug-24	17-Aug-24	370	5	238	195 - 225	Potential impact to FT-R USJR U/S Latornell
Latornell A1 – Compressor Station Maintenance	26-Aug-24	29-Aug-24	371	4	276	230 - 260	Potential impact to FT-R USJR U/S Berland
Meikle River C – Compressor Station Maintenance	4-Sep-24	10-Sep-24	361	17	229	195 - 225	Potential impact to FT-R USJR U/S Latornell
Alces River – Compressor Station Maintenance	4-Sep-24	6-Sep-24	368	10	236	195 - 225	Potential impact to FT-R USJR U/S Latornell
Meikle River D5 – Compressor Station Maintenance	14-Oct-24	16-Oct-24	364	17	232	195 - 225	Potential impact to FT-R USJR U/S Latornell
Goodfish – Compressor Station Maintenance	21-Oct-24	23-Oct-24	370	11	238	195 - 225	Potential impact to FT-R USJR U/S Latornell

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# Alberta-B.C. Border

(includes both NGTL and Foothills BC outages)



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# West Gate Delivery Area (WGAT)

No  
impact to FT

Potential  
impact to FT

Partial  
impact to FT

Outage Description	Start	End	Capability (10 <sup>6</sup> m <sup>3</sup> /d)	Impact (10 <sup>6</sup> m <sup>3</sup> /d)	Service Allowable Location/Area
Moyie C – Compressor Station Maintenance	22-Apr-24	26-Apr-24	80	10	Potential Impact to FT Foothills BC
NPS 36 Foothills Zone 7 Leg 1C – Pipeline Maintenance	30-Apr-24	8-May-24	83	6	Potential Impact to FT-D Alberta/BC and Alberta/Montana Borders
Crowsnest H – Compressor Station Maintenance	27-May-24	30-May-24	85	4	Potential Impact to FT Foothills BC
Burton Creek – Compressor Station Maintenance	3-Jun-24	6-Jun-24	72	17	Potential Impact to FT-D Alberta/BC and Alberta/Montana Borders
Winchell Lake – Compressor Station Maintenance	17-Jun-24	20-Jun-24	84	5	Potential Impact to FT-D Alberta/BC and Alberta/Montana Borders Segment 22 and Partial 21
Crowsnest A – Compressor Station Maintenance	17-Jun-24	21-Jun-24	65	24	Potential Impact to FT Foothills BC
NPS 36 BC Mainline – Pipeline Maintenance	17-Jun-24	22-Jun-24	64	25	Potential Impact to FT Foothills BC
Moyie D – Compressor Station Maintenance	24-Jun-24	27-Jun-24	80	9	Potential Impact to FT Foothills BC
NPS 36 Western Alberta System Mainline – Pipeline Maintenance	3-Jul-24	13-Jul-24	83	6	Potential Impact to FT-D Alberta/BC and Alberta/Montana Borders

**Note:** Outages located in the USJR area show up in the WGAT table in DOP to indicate a broad area restriction could be applied to reduce flows through the bottleneck but have been excluded from this slide to avoid duplication

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# West Gate Delivery Area (WGAT)

No  
impact to FT

Potential  
impact to FT

Partial  
impact to FT

Outage Description	Start	End	Capability (10 <sup>6</sup> m <sup>3</sup> /d)	Impact (10 <sup>6</sup> m <sup>3</sup> /d)	Service Allowable Location/Area
Turner Valley A3 – Compressor Station Maintenance	15-Jul-24	19-Jul-24	85	4	Potential Impact to FT-D Alberta/BC and Alberta/Montana Borders
Crowsnest B – Compressor Station Maintenance	15-Jul-24	19-Jul-24	80	9	Potential Impact to FT Foothills BC
NPS 36 BC Mainline – Pipeline Maintenance	15-Jul-24	24-Jul-24	68	21	Potential Impact to FT Foothills BC
NPS 36 Western Alberta System Mainline – Pipeline Maintenance	15-Jul-24	24-Jul-24	66	23	Potential Impact to FT-D Alberta/BC and Alberta/Montana Borders Segment 22 and Partial 21
Elko – Compressor Station Maintenance	6-Aug-24	20-Aug-24	75	14	Potential Impact to FT Foothills BC
Burton Creek A3 – Compressor Station Maintenance	23-Sep-24	27-Sep-24	78	12	Potential Impact to FT-D Alberta/BC and Alberta/Montana Borders
Moyie – Compressor Station Maintenance	1-Oct-24	5-Oct-24	62	28	Potential Impact to FT Foothills BC
Turner Valley – Compressor Station Maintenance	1-Oct-24	14-Oct-24	75	15	Potential Impact to FT-D Alberta/BC and Alberta/Montana Borders Segment 22 and Partial 21
Crowsnest K – Compressor Station Maintenance	28-Oct-24	30-Oct-24	75	15	Potential Impact to FT Foothills BC

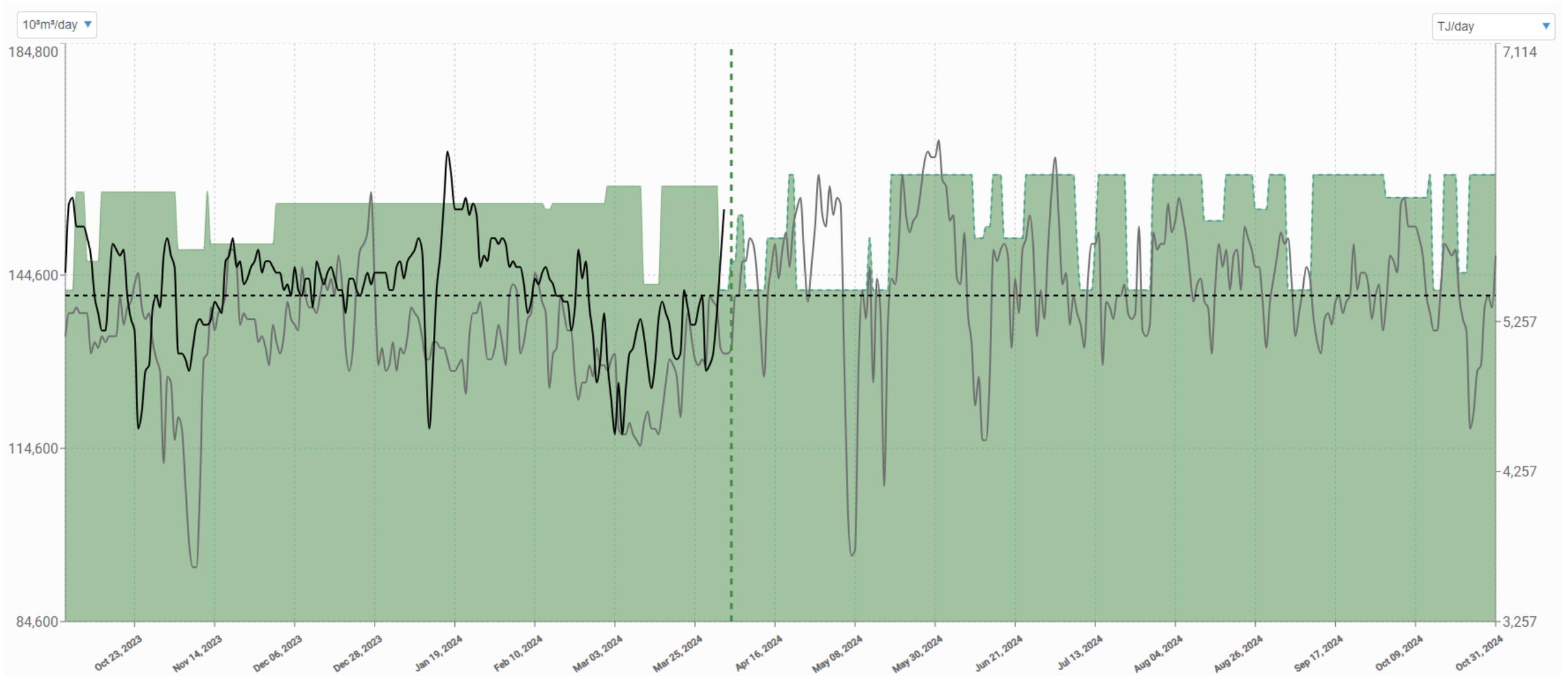
**Note:** Outages located in the USJR area show up in the WGAT table in DOP to indicate a broad area restriction could be applied to reduce flows through the bottleneck but have been excluded from this slide to avoid duplication

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# East Gate

■ Capability    - Actual Flow    - Historical Flow    - - Contracts



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# East Gate Delivery Area (EGAT)

No  
impact to FT

Potential  
impact to FT

Partial  
impact to FT

Outage Description	Start	End	Capability (10 <sup>6</sup> m <sup>3</sup> /d)	Impact (10 <sup>6</sup> m <sup>3</sup> /d)	Service Allowable Location/Area
NPS 34 EAS and CAS – Pipeline Maintenance	2-Apr-24	10-Apr-24	155	7	No impact to FT-D anticipated Empress/McNeill Borders Segments 15, 16, 17, 18, 19, 20, 23, partial 21, and partial 28
NPS 42 Edson & CAS Mainline Loop – Pipeline Maintenance	11-Apr-24	19-Apr-24	151	11	No impact to FT-D anticipated Empress/McNeill Borders Segments 15, 16, 17, 18, 19, 20, 23, partial 21, and partial 28
NPS 42 Foothills Zone 6 – Pipeline Maintenance	22-Apr-24	27-Apr-24	142	20	No impact to FT-D anticipated Empress/McNeill Borders Segments 15, 16, 17, 18, 19, 20, 23, partial 21, and partial 28
Acme – Compressor Station Maintenance	22-Apr-24	05-May-24	157	5	No impact to FT-D anticipated Empress/McNeill Borders Segments 15, 16, 17, 18, 19, 20, 23, partial 21, and partial 28
Didsbury – Compressor Station Maintenance	13-May-24	17-May-24	156	6	No impact to FT-D anticipated Empress/McNeill Borders Segments 15, 16, 17, 18, 19, 20, 23, partial 21, and partial 28
Beiseker B3 – Compressor Station Maintenance	10-Jun-24	13-Jun-24	158	4	No impact to FT-D anticipated Empress/McNeill Borders Segments 15, 16, 17, 18, 19, 20, 23, partial 21, and partial 28
Crawling Valley – Compressor Station Maintenance	1-Oct-24	12-Oct-24	158	4	No impact to FT-D anticipated Empress/McNeill Borders Segments 15, 16, 17, 18, 19, 20, 23, partial 21, and partial 28

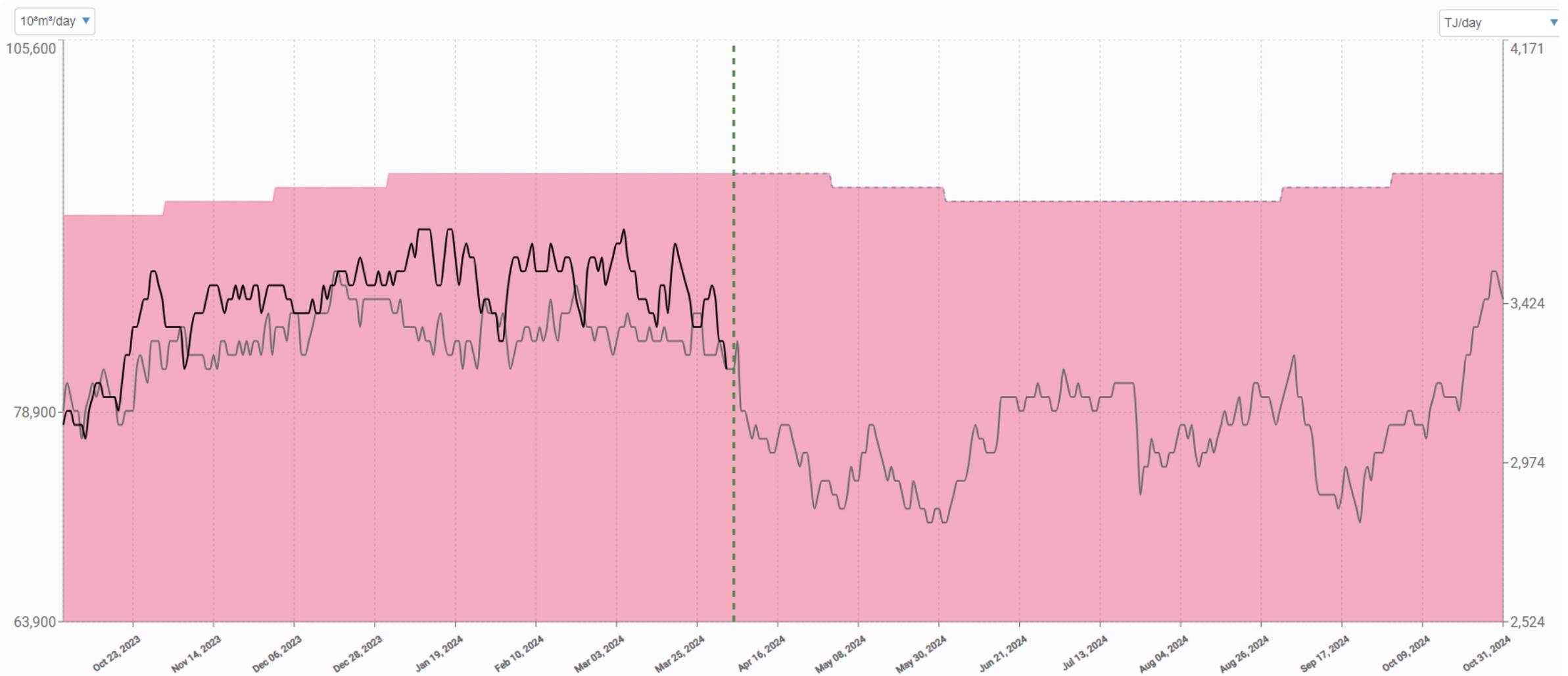
**Note:** Outages located in the USJR area show up in the EGAT table in DOP to indicate a broad area restriction could be applied to reduce flows through the bottleneck but have been excluded from this slide to avoid duplication

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# Oil Sands Delivery Area

■ Capability    - Actual Flow    - Historical Flow



May not be accurate beyond the April 4 NGTL/Foothills Customer Operations meeting on WebEx. Please refer to the DOP on TC Customer Express for current outage information.



# Northeast Delivery Area (NEDA) Oilsands Delivery Area (OSDA)

No  
impact to FT

Potential  
impact to FT

Partial  
impact to FT

There are currently no outages planned that have potential to impact service specific to OSDA or NEDA

May not be accurate beyond the April 4 NGTL/Foothills Customer Operations meeting on WebEx. Please refer to the DOP on TC Customer Express for current outage information.



# Wildfire Preparation

- Design of facilities
- Brushing activities to maintain rights-of-way
- Complete infrared scans over newly constructed projects
- Technicians have Alberta-required equipment in their trucks and on-site
- Teams completing Wildfire tabletop exercises
- Engaging with forestry liaisons
- Incident Management System

Safety is our #1 priority.

# CONTACTS



## MARKETING REPS

[Customer Express Contacts  
\(tccustomerexpress.com\)](https://tccustomerexpress.com)

## NELSON JALOTJOT

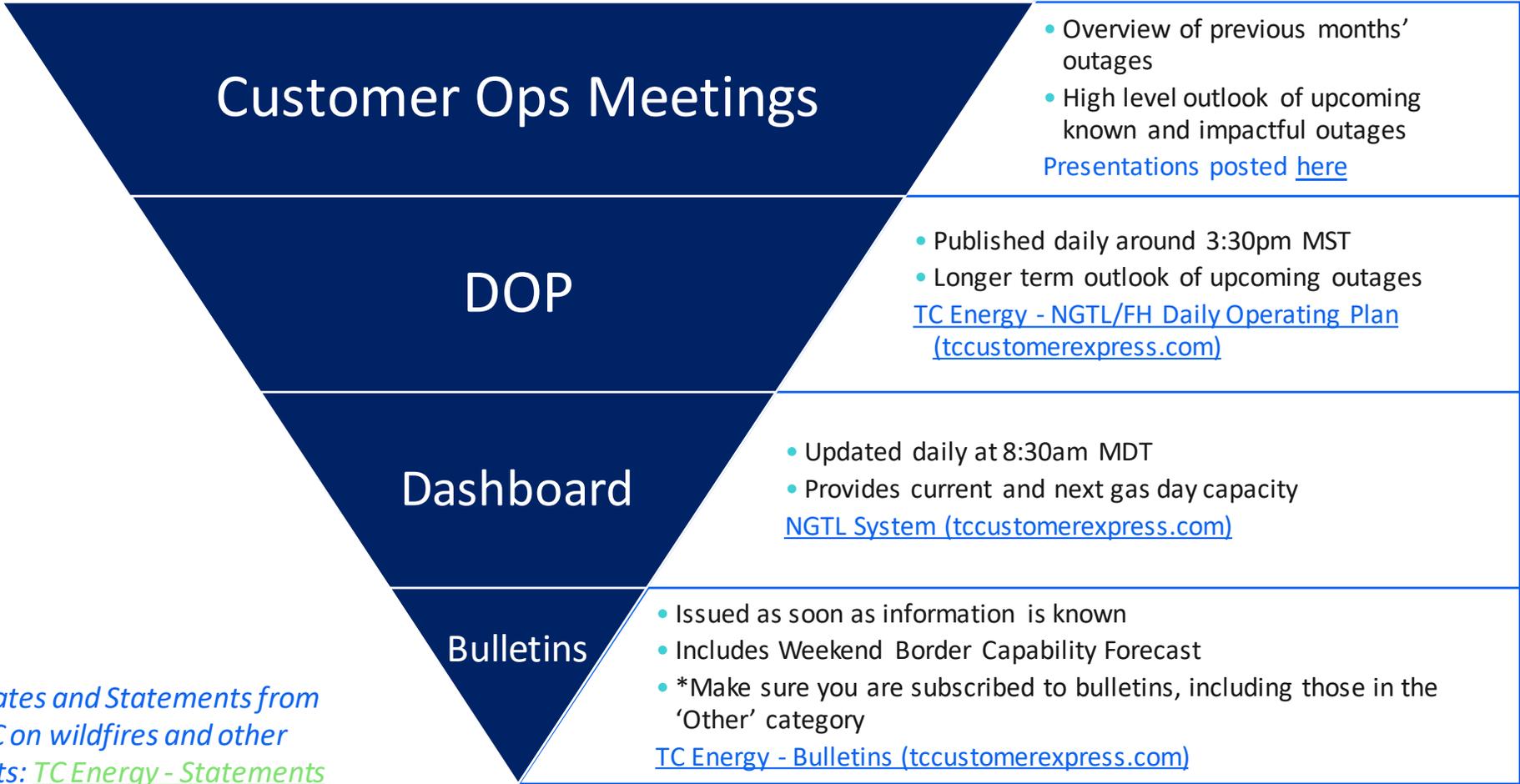
Chair, NGTL/FH Customer Ops

403.827.1039

[nelson\\_jalotjot@tcenergy.com](mailto:nelson_jalotjot@tcenergy.com)



# Outage Communication Tools: Order



*Updates and Statements from TC on wildfires and other events: [TC Energy - Statements](#)*

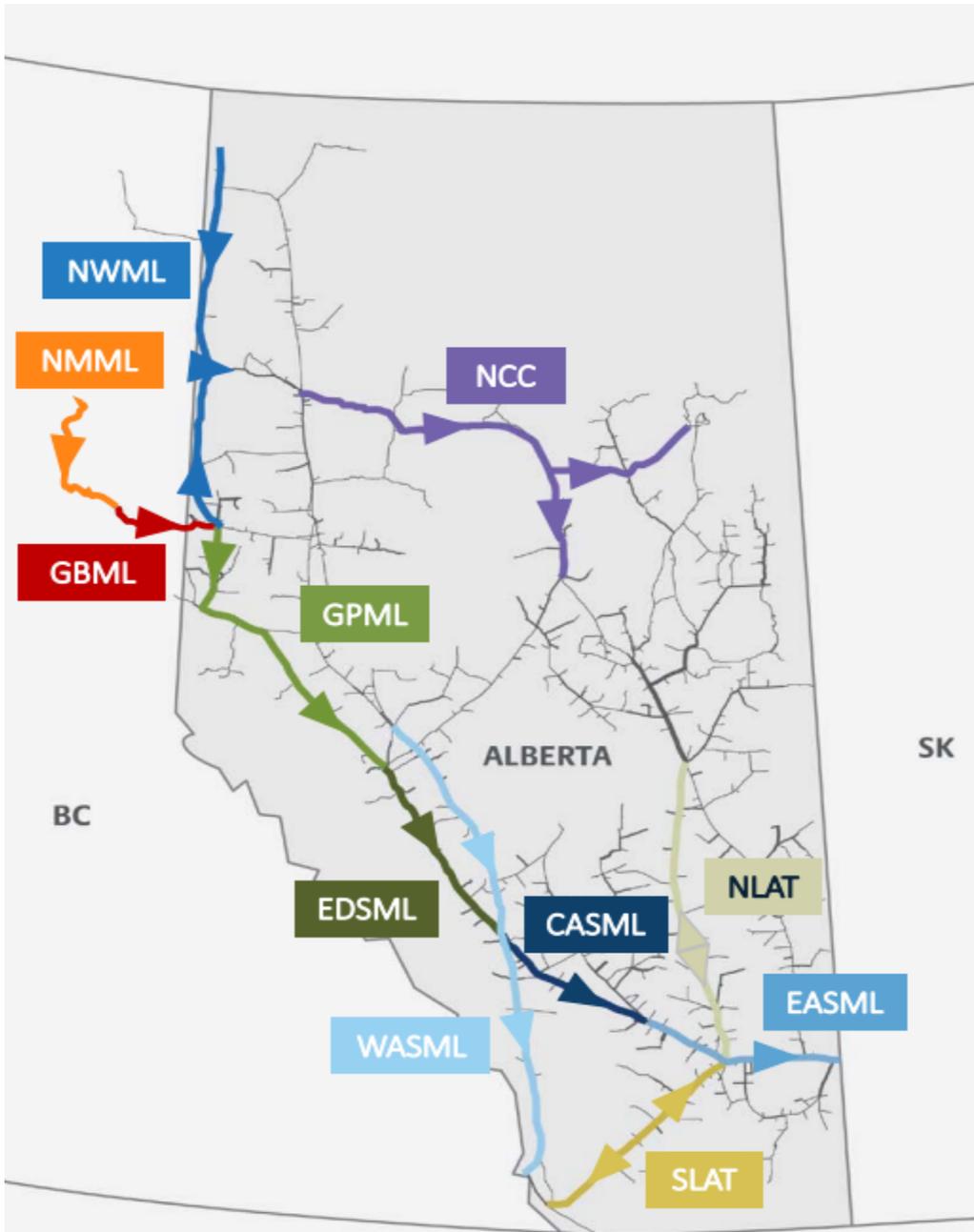
Each level of communication supersedes all information provided in communications above it.



# Glossary of Terms

- ❖ **DOP:** Daily Operating Plan [DOP](#)
- ❖ **NGTL:** Nova Gas Transmission Ltd.
- ❖ **FH:** Foothills Pipeline System (BC or SK)
- ❖ **ISD:** In-Service Date
- ❖ **ILI:** Inline Inspection
- ❖ **Transportation Services**
  - ❖ **IT-R:** Interruptible Transportation - Receipt
  - ❖ **IT-D:** Interruptible Transportation - Delivery
  - ❖ **FT-R:** Firm Transportation - Receipt
  - ❖ **FT-D:** Firm Transportation - Delivery
- ❖ **Operational Areas**
  - ❖ **USJR:** Upstream James River
  - ❖ **WGAT:** West Gate
  - ❖ **EGAT:** East Gate
  - ❖ **OSDA:** Oilsands Delivery Area
  - ❖ **NEDA:** North-East Delivery Area

# Commonly Referenced Flow Paths



- North Montney Mainline (NMML)
- Groundbirch Mainline (GBML)
- Northwest Mainline (NWML)
- North Central Corridor (NCC)
- Grande Prairie Mainline (GPML)
- Edson Mainline (EDSML)
- Western Alberta System Mainline (WASML)
- Central Alberta System Mainline (CASML)
- Eastern Alberta System Mainline (EASML)
- South Lateral (SLAT)
- North Lateral (NLAT)