



NGTL System and Foothills Pipelines Ltd.

CUSTOMER OPERATIONS MEETING

FOR INFORMATIONAL PURPOSES ONLY



6 / 6 / 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



How do you attract birds?

- Use different types of bird feeders and seed mixes – sunflower seeds are best!
- Bird baths are well-liked by birds and very entertaining to watch
- Plant native seeds or shrubs
- Bird feeder traffic may decrease in summer – this is normal!
Adults will be feeding babies which require protein from insects

Keep birds in your backyard safe!

- Regularly clean bird feeders and birdbaths to prevent mold and algae
- Place feeders at least 30 ft away from windows
- Avoid using herbicides and insecticides
- Birds feel safest with a 360° view – do not place feeders deep in trees or dense vegetation where predators, e.g., cats, may hide



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 June 6, 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. Review of May/June Operations
2. Review of Upcoming 2024 Outages



Review of May/June Operations

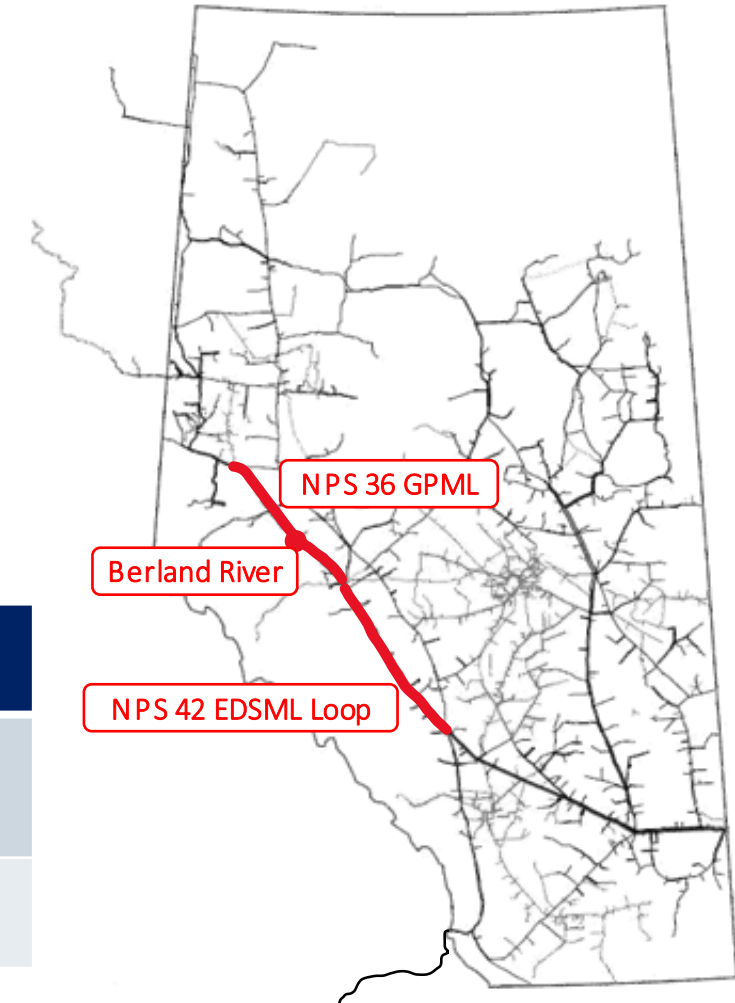
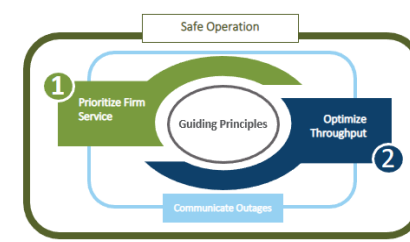


USJR Maintenance

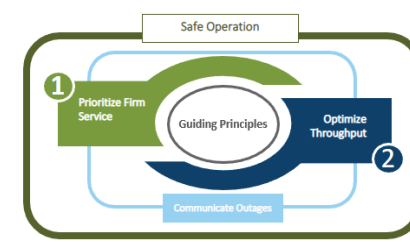
Background:

- **Planned:**
 - Berland River Compressor Station Maintenance: April 29 – May 18
 - NPS 42 Edson Mainline Loop Pipeline Maintenance: May 22 – 27
 - NPS 36 Grande Prairie Mainline Pipeline Maintenance: May 28 – June 4
- **Capability communicated in DOP:**
 - April 29 – May 18: 361 10⁶m³/d
 - May 22 – 27: 358 10⁶m³/d
 - May 28 – 31: 357 10⁶m³/d
 - June 1 – 4: 355 10⁶m³/d
- **Service Allowable:**
 - May 15 – June 4: 0% IT-R, 100% FT-R

Bulletin Date	Effective Date	Service Allowable	Comments
May 15	May 15 (17:00 MST)	USJR: 0% IT-R, 100% FT-R (Upstream of Latornell)	IT-R restriction implemented with ongoing planned outages and increasing supply following unreported plant turnaround activity
June 4	June 5 (08:00 MST)	USJR: 20% IT-R, 100% FT-R (Upstream of Latornell)	NPS 36 GPML ILI completed

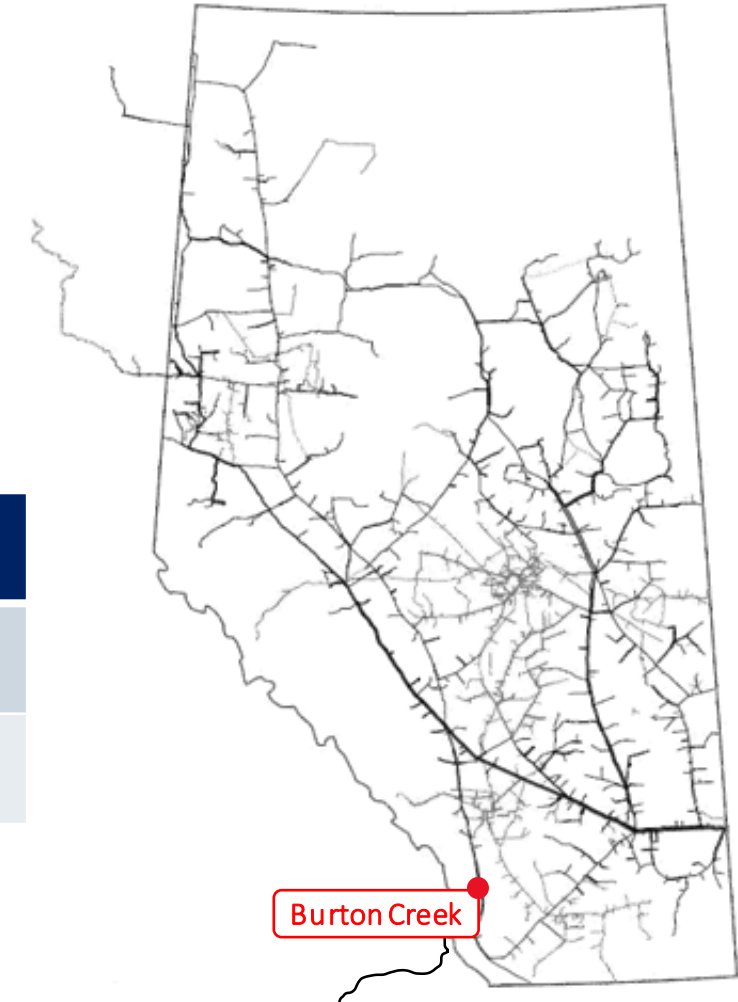


Burton Creek – Compressor Station Maintenance



Background:

- **Planned:**
 - Burton Creek Compressor Station Maintenance: June 3 – 6
- **Capability communicated in DOP:**
 - WGAT: 68 10⁶m³/d
- **Service Allowable:**
 - WGAT: 0% IT-D, Partial FT-D (68 10⁶m³/d)



Bulletin Date	Effective Date	Service Allowable	Comments
May 30	June 3 (08:00 MST)	WGAT: 0% IT-D, Partial FT-D	Maintenance started as scheduled
June 6	June 7 (08:00 MST)	WGAT: 100% IT-D, 100% FT-D	Maintenance on track to be completed as scheduled on June 6



2024 Operational Outlook

(From DOP as of Wednesday, May 1)



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

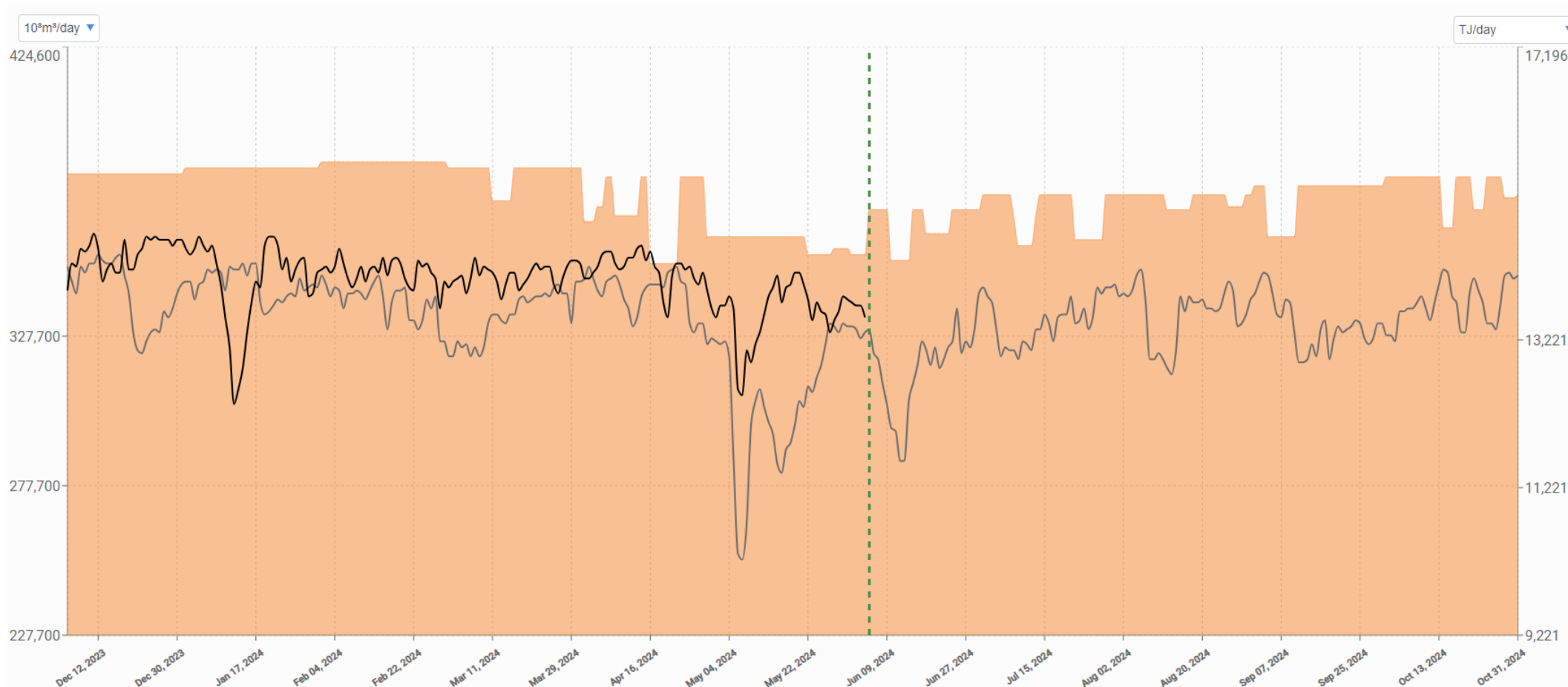
Outages and/or maintenance work is posted to the DOP if there is reasonable expectation that the event could or will result in a change to service authorization levels.

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



Upstream James River

Capability - Actual Flow - Historical Flow



May not be accurate beyond the June 6 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 ⁶ m ³ /d)	USJR Impact (10 ⁶ m ³ /d)	Area Outage Capability (10 ⁶ m ³ /d)	Outage Area Typical Flows (10 ⁶ m ³ /d)	Service Allowable Location/Area
Meikle River D5 – Compressor Station Maintenance	10-Jun-24	14-Jun-24	353	17	221	195 - 225	Potential impact to FT-R USJR U/S Latornell
NPS 36 Edson Mainline Extension – Pipeline Maintenance	18-Jun-24	23-Jun-24	362	8	267	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
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

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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 ⁶ m ³ /d)	USJR Impact (10 ⁶ m ³ /d)	Area Outage Capability (10 ⁶ m ³ /d)	Outage Area Typical Flows (10 ⁶ m ³ /d)	Service Allowable Location/Area
Goodfish – Compressor Station Maintenance	21-Oct-24	23-Oct-24	370	11	238	195 - 225	Potential impact to FT-R USJR U/S Latornell
Latornell – Compressor Station Maintenance	28-Oct-24	30-Oct-24	374	7	279	230 - 260	Potential impact to FT-R USJR U/S Berland River
Latornell A2 – Compressor Station Maintenance	28-Oct-24	31-Oct-24	375	6	280	230 - 260	Potential impact to FT-R USJR U/S Berland River

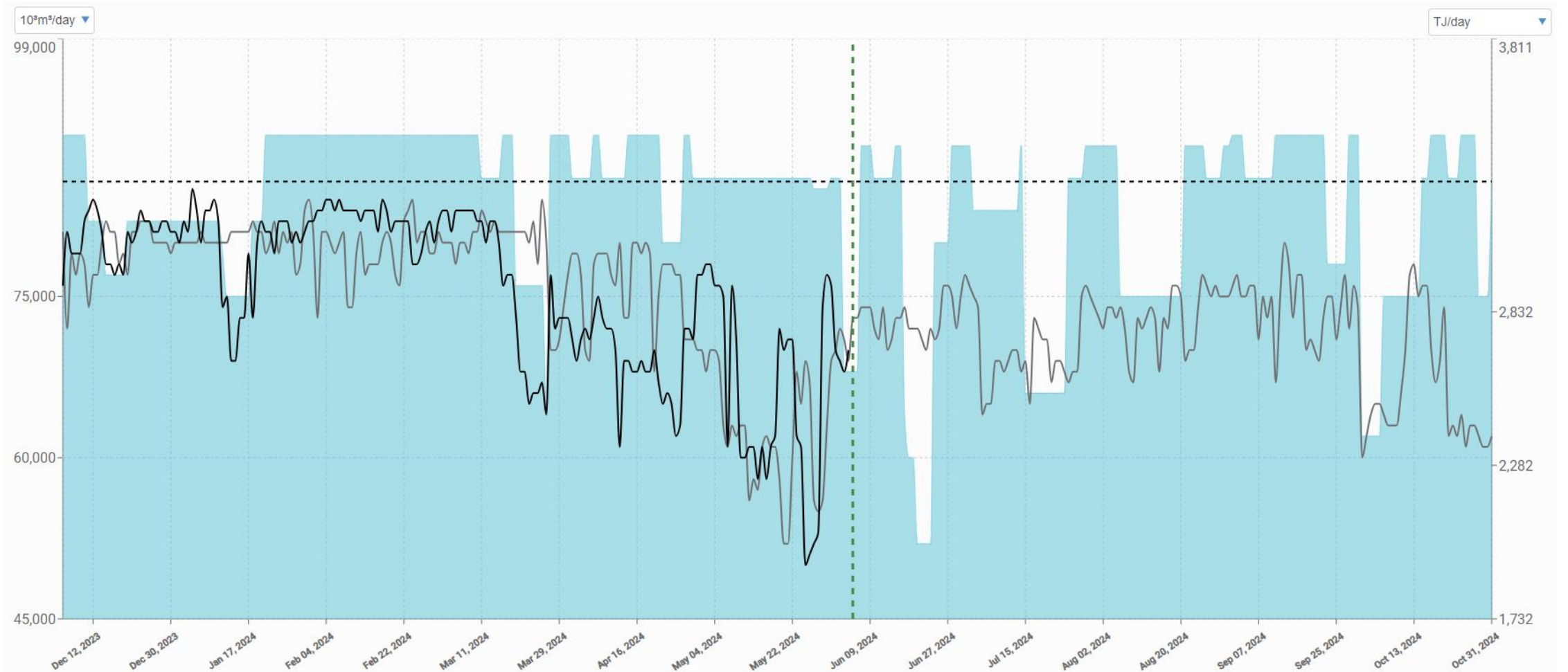
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Alberta-B.C. Border

(includes both NGTL and Foothills BC outages)

■ Capability - Actual Flow - Historical Flow - - Contracts



May not be accurate beyond the June 6 NGTL/Foothills Customer Operations meeting on WebEx. Please refer to the DOP on TC Customer Express for current outage information.



West Gate Delivery Area (WGAT)

No
impact to FT

Potential
impact to FT

Partial
impact to FT

Outage Description	Start	End	Capability (10 ⁶ m ³ /d)	Impact (10 ⁶ m ³ /d)	Service Allowable Location/Area
Burton Creek – Compressor Station Maintenance	3-Jun-24	6-Jun-24	68	21	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 18-Jun-24 20-Jun-24	17-Jun-24 19-Jun-24 23-Jun-24	64 60 52	25 29 37	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
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

Note: Outages located in the USIR 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

May not be accurate beyond the June 6 NGTL/Foothills Customer Operations meeting on WebEx. Please refer to the DOP on TC Customer Express for current outage information.



West Gate Delivery Area (WGAT)

No
impact to FT

Potential
impact to FT

Partial
impact to FT

Outage Description	Start	End	Capability (10 ⁶ m ³ /d)	Impact (10 ⁶ m ³ /d)	Service Allowable Location/Area
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

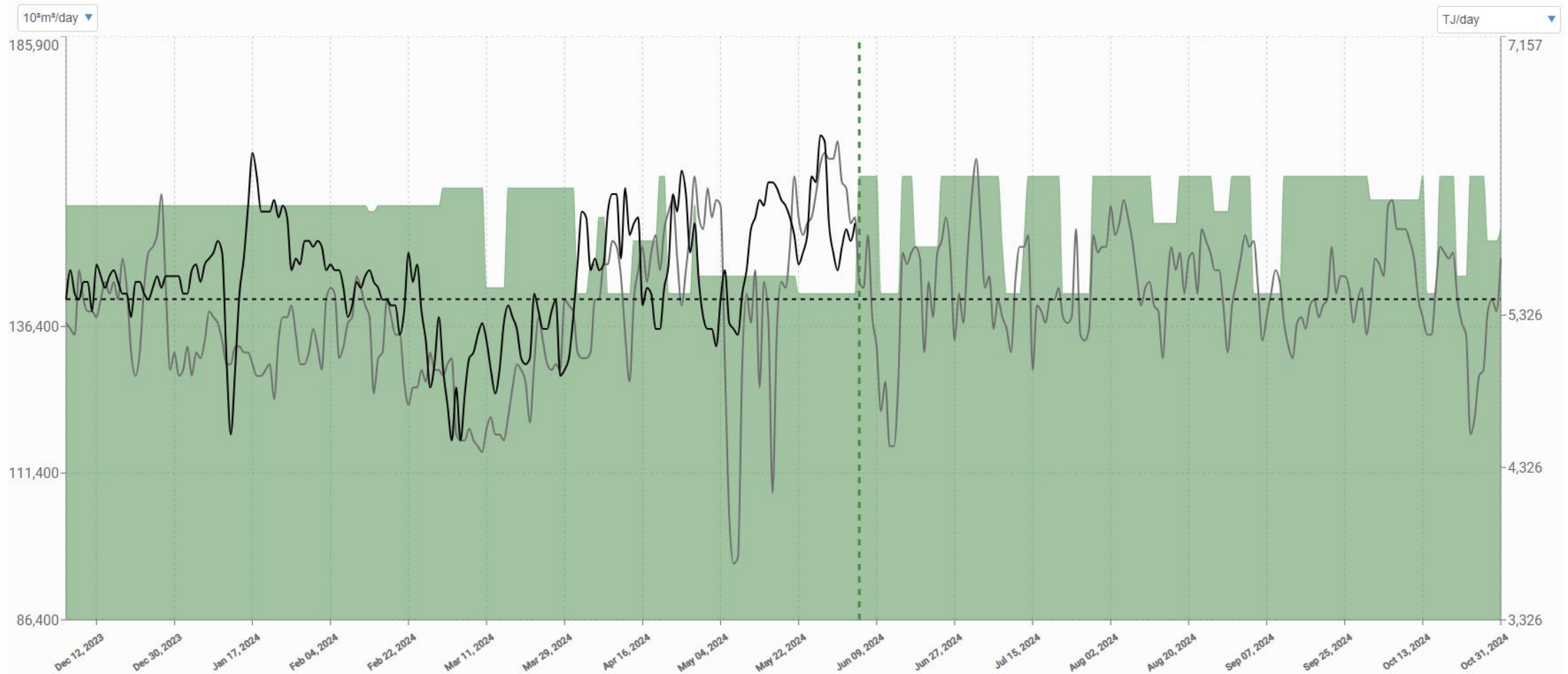
Note: Outages located in the USJR area show up in the WGAT table in DOP to indicate a broad area restriction could be applied to reduce flows through the bottleneck but have been excluded from this slide to avoid duplication

May not be accurate beyond the June 6 NGTL/Foothills Customer Operations meeting on WebEx. Please refer to the DOP on TC Customer Express for current outage information.



East Gate

■ Capability - Actual Flow - Historical Flow - - Contracts



May not be accurate beyond the June 6 NGTL/Foothills Customer Operations meeting on WebEx. Please refer to the DOP on TC Customer Express for current outage information.



East Gate Delivery Area (EGAT)

No
impact to FT

Potential
impact to FT

Partial
impact to FT

Outage Description	Start	End	Capability (10 ⁶ m ³ /d)	Impact (10 ⁶ m ³ /d)	Service Allowable Location/Area
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

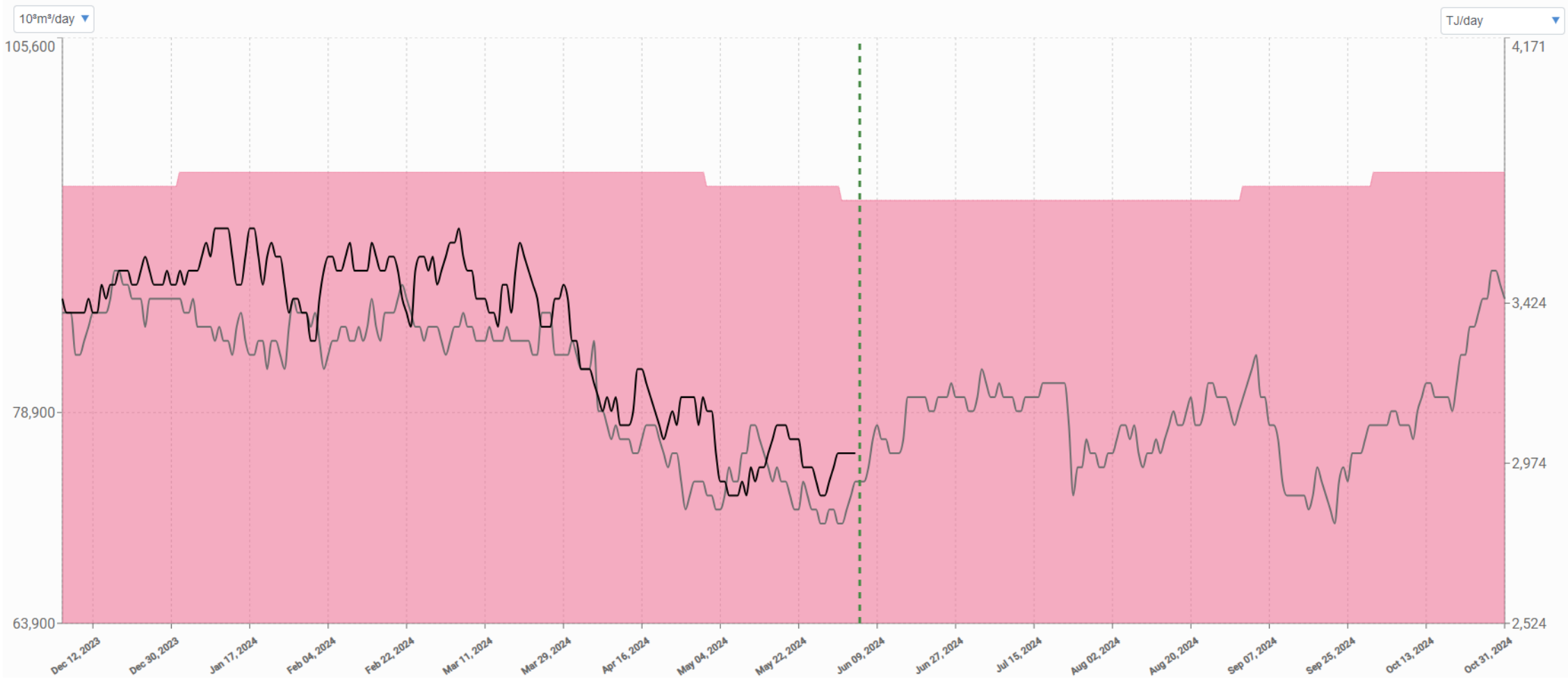
Note: Outages located in the USJR area show up in the EGAT table in DOP to indicate a broad area restriction could be applied to reduce flows through the bottleneck but have been excluded from this slide to avoid duplication

May not be accurate beyond the June 6 NGTL/Foothills Customer Operations meeting on WebEx. Please refer to the DOP on TC Customer Express for current outage information.



Oil Sands Delivery Area

■ Capability - Actual Flow - Historical Flow



May not be accurate beyond the June 6 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 June 6 NGTL/Foothills Customer Operations meeting on WebEx. Please refer to the DOP on TC Customer Express for current outage information.



CONTACTS



MARKETING REPS

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\(tccustomerexpress.com\)](https://tccustomerexpress.com)

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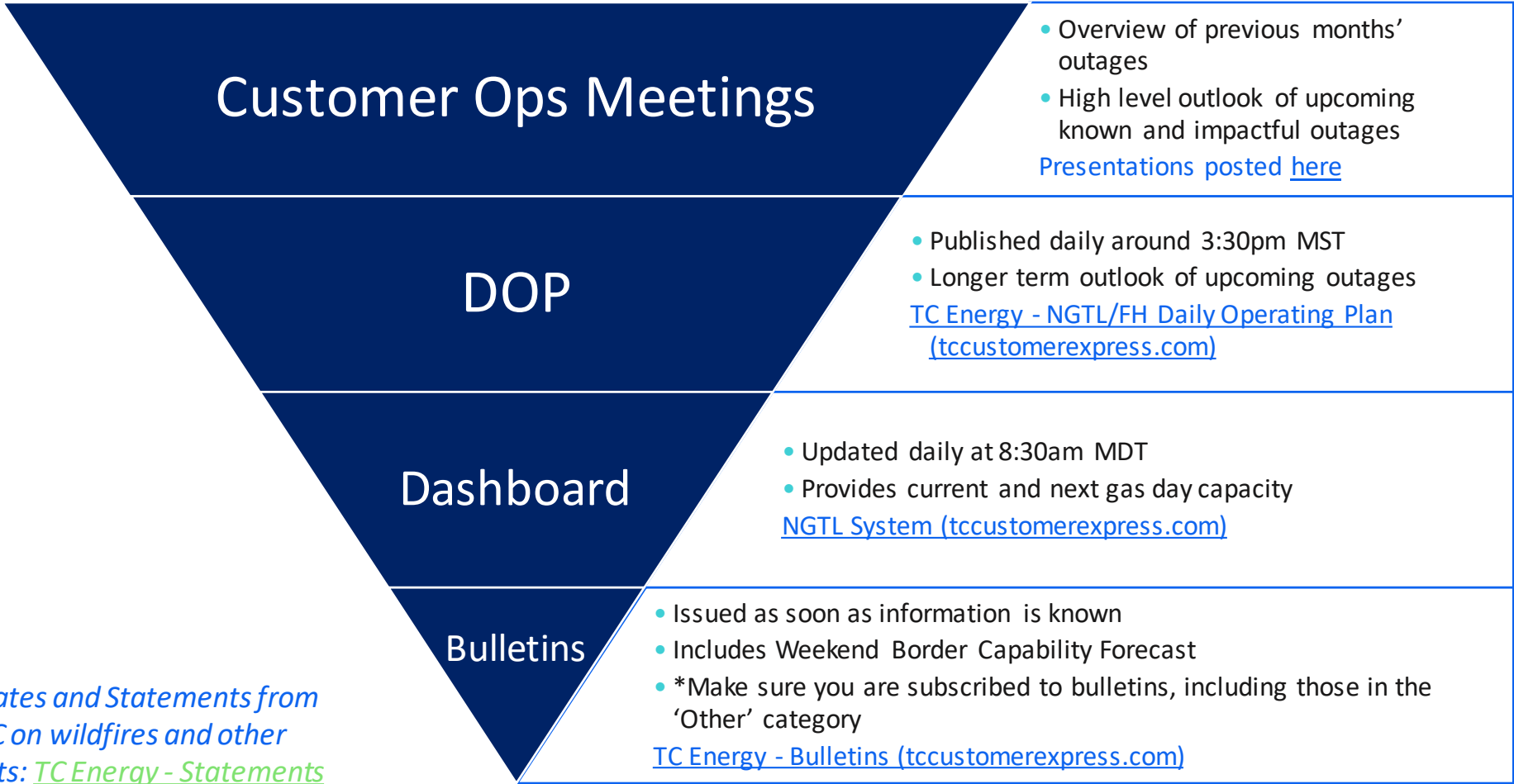
Chair, NGTL/FH Customer Ops

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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.

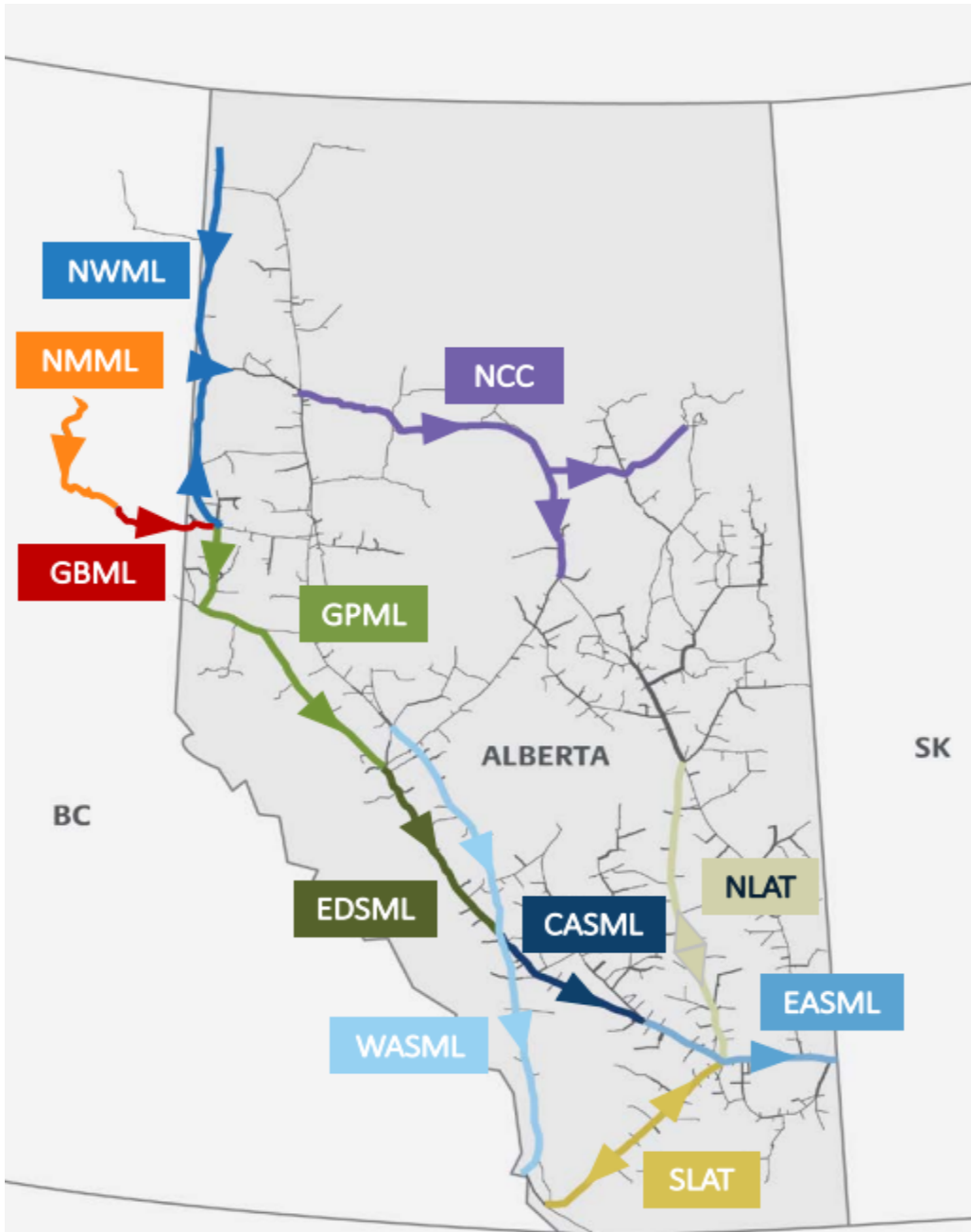


Glossary of Terms

- ❖ **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)