



# NGTL System and Foothills Pipelines Ltd.

CUSTOMER OPERATIONS MEETING

FOR INFORMATIONAL PURPOSES ONLY



# 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 April 1, 2026



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



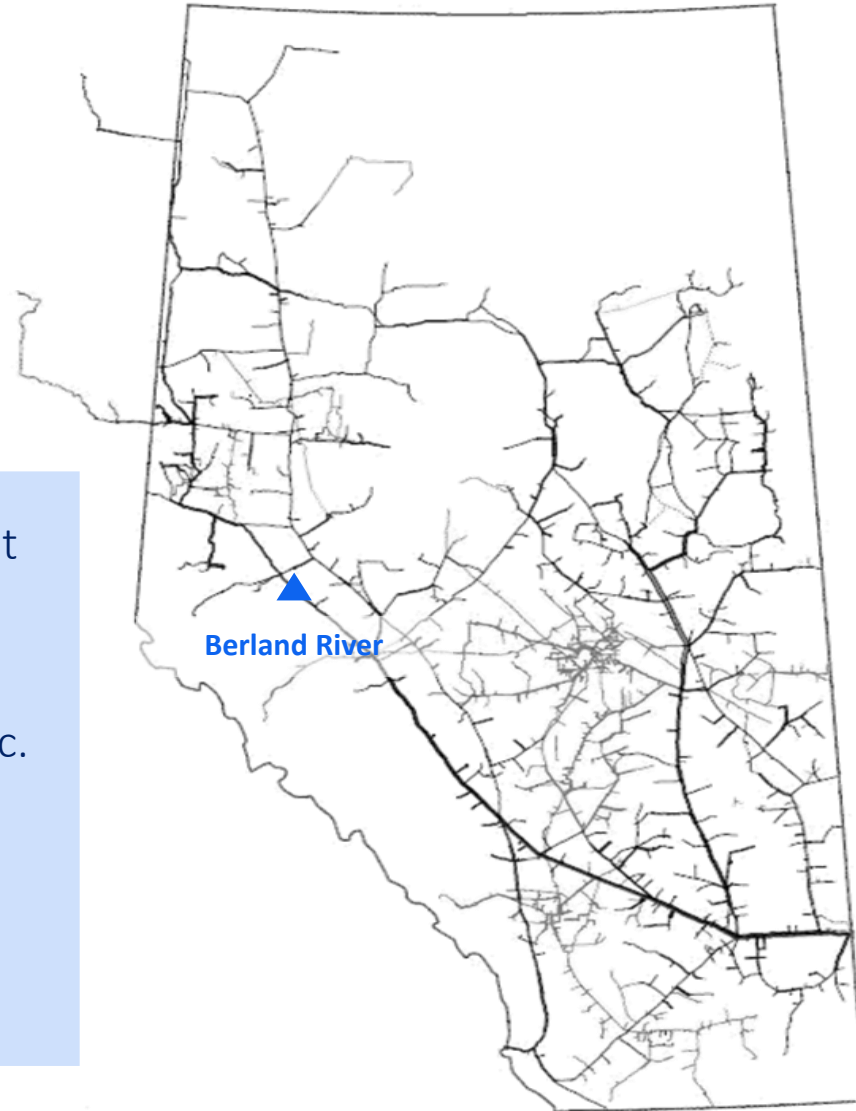
1. Project Updates
2. Review of Previous Month's Operations
3. 2026 Operational Outlook



# Project Updates



# Berland River Compressor Station Project | UPDATE



## Project Details

- 30 MW electric compressor unit addition
- Part of Valhalla North Berland River Project
  - Approved by the CER in Dec. 2023
  - Facilitates ~400mmcf/d of incremental throughput
- Must be in service to realize capacity benefits from subsequent projects

## Notable Highlights

- Bulletin issued March 10, 2026 confirming in-service date of this project for July 3, 2026.
- Firm contract line in the EGAT DOP chart revised to reflect this ISD.
- Base operational capacity benefit has not been updated in DOP yet. NGTL will update capacities closer to the actual in-service date.

# Leming Loop Projects | In-Service

## Project Details

- Field Lake Section – 17km NPS 20
- Sand Section – 18km NPS 20

## Notable Highlights

- Both sections in-service ahead of target in-service dates
  - Field Lake Section in-service **March 12, 2026**
  - Sand Section in-service **March 25, 2026**
- Supports flows in the lower Kirby Area in OSDA





# Key Operational Headlines

- ❖ **First posted planned outage for WGAT is starting April**
  - ❖ WGAT has its first posted planned outage end of April. Maintenance activities continue in USJR/EGAT/OSDA.
- ❖ **Majority of scope for the NPS 42 Edson Mainline Loop completed**
  - ❖ Additional runs required June 16 – June 20th
- ❖ **Potential risk to EGAT firm service during planned and unplanned outages**
  - ❖ Further details were provided in the March Customer Ops Meeting

Maintenance season has started, continue to monitor DOP with the above considerations

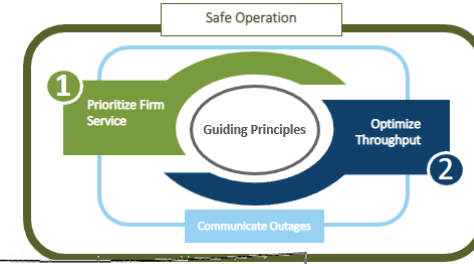




# Review of Previous Month's Operations

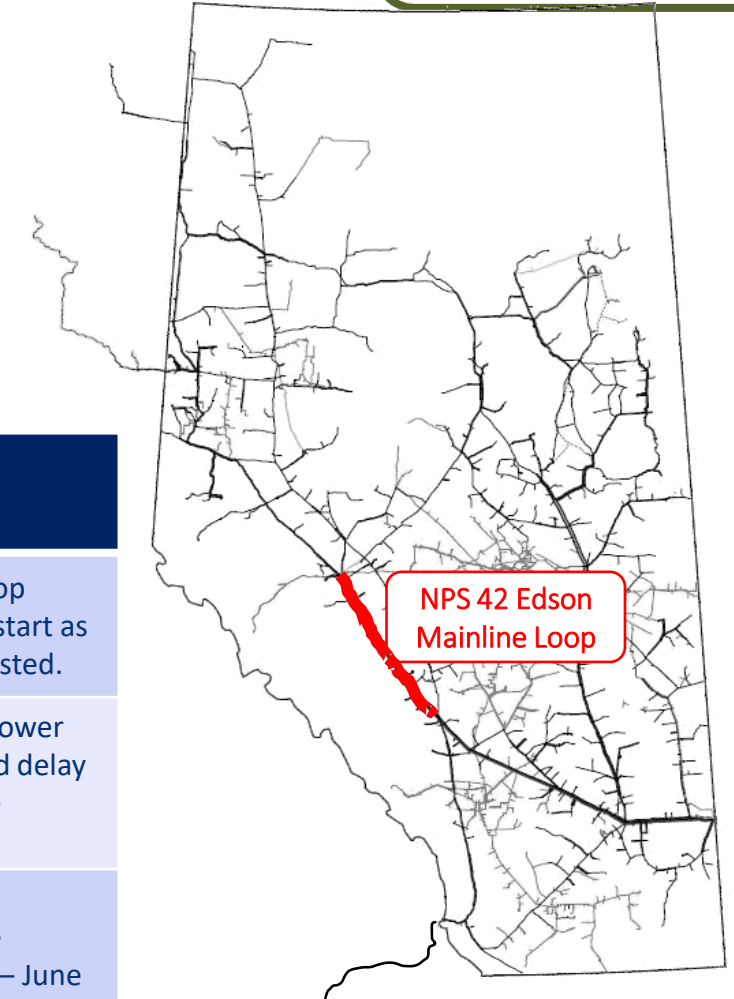


# NPS 42 Edson Mainline Loop – Pipeline Maintenance



## Background:

- **Planned:**
  - NPS 42 Edson Mainline Loop Pipeline Maintenance: March 16 – March 27
- **Capability communicated:**
  - March 16 – March 23: 372 10<sup>6</sup>m<sup>3</sup>/d
  - March 23 – March 27: 358 10<sup>6</sup>m<sup>3</sup>/d
- **Service Allowable:**
  - March 16 – March 23: 0% IT-R, 100% FT-R (USJR)
  - March 24 – March 27: 0% IT-R, 79% FT-R (USJR)



Bulletin Date	Effective Date	Service Allowable	Comments
March 11	March 16 (08:00 MST)	USJR: 0% IT-R, 100% FT-R	Planned NPS 42 Edson Mainline Loop Pipeline Maintenance expected to start as planned, service authorization adjusted.
March 18	March 24 (08:00 MST)	USJR: 0% IT-R, 79% FT-R	Maintenance activities driving the lower allowable encountered a unplanned delay resulting in a revision of the service allowable effective date
March 26	March 28 (08:00 MST)	USJR: 100% IT-R, 100% FT-R	Maintenance activities complete. Additional inline inspections will be required, and is scheduled June 16 – June 20th.

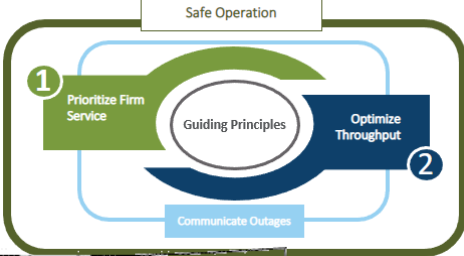
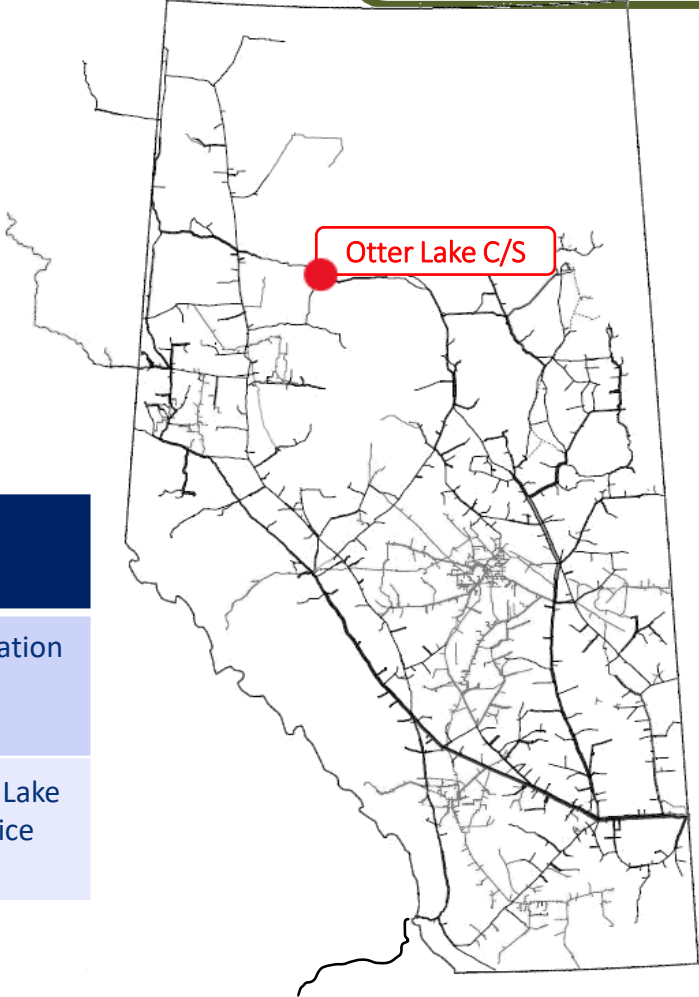


# Otter Lake – Compressor Station Maintenance

## Background:

- **Unplanned:**
  - Otter Lake Compressor Station Maintenance: March 25 – March 27
- **Capability communicated:**
  - March 25 – March 27: 116 10<sup>6</sup>m<sup>3</sup>/d (NEDA)
  - March 25 – March 27: 93 10<sup>6</sup>m<sup>3</sup>/d (OSDA)
- **Service Allowable:**
  - March 26 – March 27: 0% IT-D, 72 % FT-D (NEDA)

Bulletin Date	Effective Date	Service Allowable	Comments
March 26	March 26 (13:00 MST)	NEDA: 0% IT-D, 72% FT-D	Unplanned Otter Lake Compressor Station Maintenance, service authorization adjusted.
March 27	March 28 (08:00 MST)	NEDA: 100% IT-D, 100% FT-D	Unplanned maintenance at the Otter Lake Compressor Station is complete, service authorization adjusted.





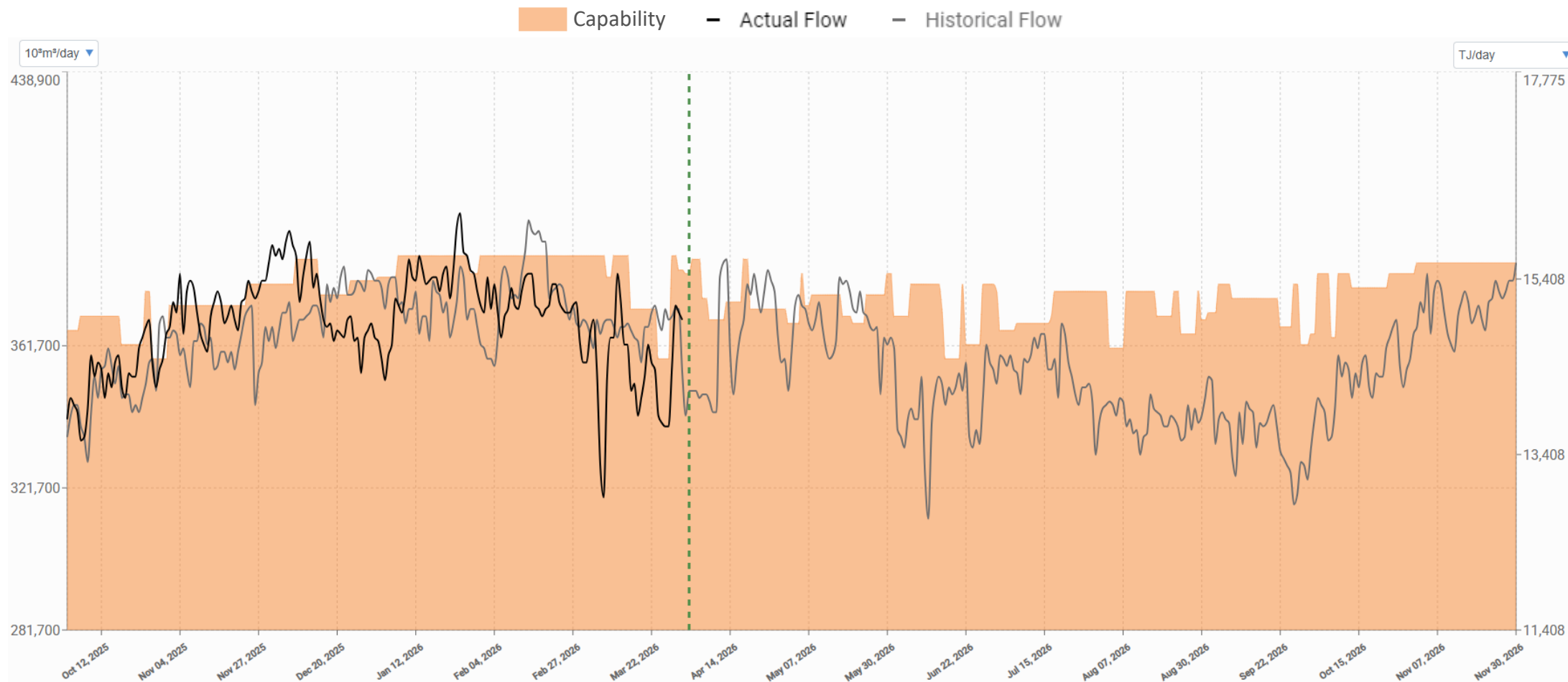
# 2026 Operational Outlook

(From DOP as of Wednesday, April 1)





# Upstream James River



## Facility Assumptions:

- NPS 36 GPML pressure derates remain in place until end of 2026
- Berland River Unit Addition expected in service in early Q3. Increase in capacity associated with the facility addition is currently not included in the charts but will be added once there is more certainty of in-service dates



# 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
Nordegg B – Compressor Station Maintenance	30-Mar-26	2-Apr-26	383	4	N/A	340-385	Potential impact to FT-R USJR
<b>Berland River – Compressor Station Maintenance</b>	6-Apr-26	7-Apr-26	375	11	283	250-295	Potential impact to FT-R USJR U/S Edson
Alces River B3 – Compressor Station Maintenance	8-Apr-26	9-Apr-26	378	8	242	205-250	Potential impact to FT-R USJR U/S Berland River
Goodfish A2 – Compressor Station Maintenance	8-Apr-26	9-Apr-26	378	8	242	205-250	Potential impact to FT-R USJR U/S Berland River
<b>Emerson Creek B2 – Compressor Station Maintenance</b>	8-Apr-26	12-Apr-26	369	17	277	250-295	Potential impact to FT-R USJR U/S Edson
Goodfish A1 – Compressor Station Maintenance	11-Apr-26	17-Apr-26	378	8	242	205-250	Potential impact to FT-R USJR U/S Berland River
Hidden Lake North – Compressor Station Maintenance	13-Apr-26	17-Apr-26	374	12	238	205-250	Potential impact to FT-R USJR U/S Berland River
Otter Lake – Compressor Station Maintenance	20-Apr-26	04-May-26	372	14	236	205-250	Potential impact to FT-R USJR U/S Berland River
Latornell A2 – Compressor Station Maintenance	6-May-26	7-May-26	373	9	N/A	340-385	Potential impact to FT-R USJR
Swartz Creek A1 – Compressor Station Maintenance	6-May-26	29-May-26	376	6	N/A	340-385	Potential impact to FT-R USJR
Swartz Creek – Compressor Station Maintenance	<b>17-May-26</b>	<b>21-May-26</b>	370	12	270	240-285	Potential impact to FT-R USJR U/S Emerson Creek
NPS 48 Grande Prairie Mainline Loop 4 – Pipeline Maintenance	<b>20-May-26</b>	<b>23-May-26</b>	368	14	268	240-285	Potential impact to FT-R USJR U/S Emerson Creek
Berland River – Compressor Station Maintenance	01-Jun-26	05-Jun-26	370	9	278	250-295	Potential impact to FT-R USJR U/S Edson

May not be accurate beyond April 1. 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
Latornell A1 – Compressor Station Maintenance	15-Jun-26	19-Jun-26	372	7	280	250-295	Potential impact to FT-R USJR U/S Edson
NPS 42 Edson Mainline Loop – Pipeline Maintenance	16-Jun-26	20-Jun-26	358	21	N/A	340-385	Potential impact to FT-R USJR
Meikle River D5 – Compressor Station Maintenance	22-Jun-26	26-Jun-26	362	17	226	205-250	Potential impact to FT-R USJR U/S Berland River
Gold Creek – Compressor Station Maintenance	02-Jul-26	06-Jul-26	366	11	266	240-285	Potential impact to FT-R USJR U/S Emerson Creek
Emerson Creek A1 – Compressor Station Maintenance	05-Jul-26	09-Jul-26	371	6	N/A	340-385	Potential impact to FT-R USJR
NPS 30 Western Alberta System Mainline – Pipeline Maintenance	07-Jul-26	16-Jul-26	368	9	N/A	340-385	Potential impact to FT-R USJR
Emerson Creek – Compressor Station Maintenance	08-Jul-26	09-Jul-26	369	8	N/A	340-385	Potential impact to FT-R USJR
Emerson Creek B2 – Compressor Station Maintenance	08-Jul-26	11-Jul-26	371	6	N/A	340-385	Potential impact to FT-R USJR
Meikle River B2 – Compressor Station Maintenance	13-Jul-26	17-Jul-26	370	7	270	240-285	Potential impact to FT-R USJR U/S Emerson Creek
Meikle River C – Compressor Station Maintenance	03-Aug-26	07-Aug-26	361	16	225	205-250	Potential impact to FT-R USJR U/S Berland River
Latornell A2 – Compressor Station Maintenance	17-Aug-26	21-Aug-26	370	7	278	250-295	Potential impact to FT-R USJR U/S Edson
Swartz Creek A2 – Compressor Station Maintenance	19-Aug-26	20-Aug-26	370	7	278	250-295	Potential impact to FT-R USJR U/S Edson
Goodfish – Compressor Station Maintenance	24-Aug-26	28-Aug-26	365	12	229	205-250	Potential impact to FT-R USJR U/S Berland River

May not be accurate beyond April 1. 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
Knight – Compressor Station Maintenance	30-Aug-26	03-Sep-26	369	8	N/A	340-385	Potential impact to FT-R USJR
Alces River – Compressor Station Maintenance	08-Sep-26	22-Sep-26	375	4	239	205-250	Potential impact to FT-R USJR U/S Berland River
Otter Lake – Compressor Station Maintenance	22-Sep-26	25-Sep-26	367	12	231	205-250	Potential impact to FT-R USJR U/S Berland River
Meikle River C – Compressor Station Maintenance	28-Sep-26	02-Oct-26	362	17	226	205-250	Potential impact to FT-R USJR U/S Berland River
Meikle River D5 – Compressor Station Maintenance	07-Oct-26	08-Oct-26	364	18	228	205-250	Potential impact to FT-R USJR U/S Berland River
Nordegg B – Compressor Station Maintenance	13-Oct-26	23-Oct-26	378	4	N/A	340-385	Potential impact to FT-R USJR

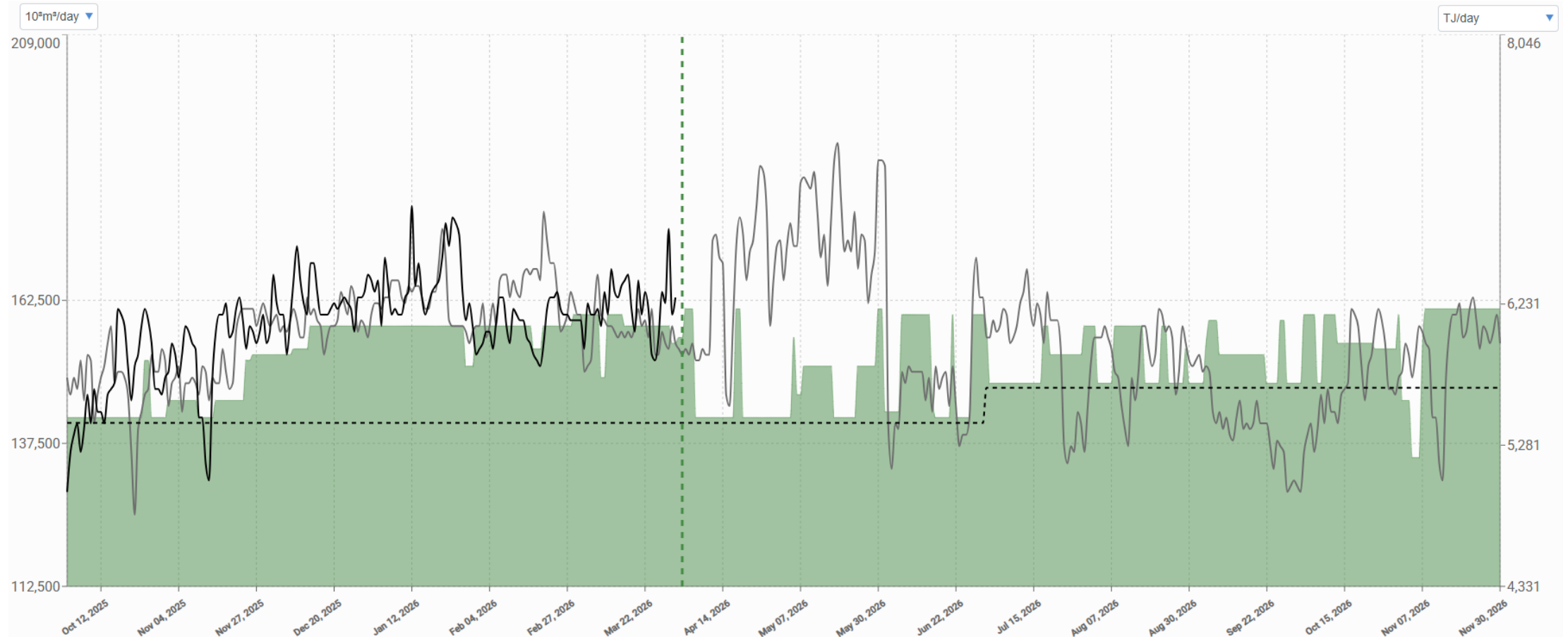
May not be accurate beyond April 1. Please refer to the [DOP](#) on TC Customer Express for current outage information.





# East Gate

■ Capability    - Actual Flow    - Historical Flow    - - Contracts



May not be accurate beyond April 1. 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 <sup>6</sup> m <sup>3</sup> /d)	Impact (10 <sup>6</sup> m <sup>3</sup> /d)	Service Allowable Location/Area
Beiseker B3 – Compressor Station Maintenance	05-May-26	08-May-26	156	5	No impact to FT-D anticipated Empress/McNeill Borders Segments 15, 16, 17, 18, 19, 20, 23, partial 21, and partial 28
Clearwater A6 – Compressor Station Maintenance	11-May-26	15-May-26	157	4	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	19-May-26	21-May-26	156	5	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	15-Jun-26	19-Jun-26	154	6	No impact to FT-D anticipated Empress/McNeill Borders Segments 15, 16, 17, 18, 19, 20, 23, partial 21, and partial 28
Red Deer River – Compressor Station Maintenance	02-Jul-26	11-Jul-26	154	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	11-Jul-26	17-Jul-26	154	4	No impact to FT-D anticipated Empress/McNeill Borders Segments 15, 16, 17, 18, 19, 20, 23, partial 21, and partial 28
Schrader Creek – Compressor Station Maintenance	20-Jul-26	29-Jul-26	153	5	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 April 1. 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 <sup>6</sup> m <sup>3</sup> /d)	Impact (10 <sup>6</sup> m <sup>3</sup> /d)	Service Allowable Location/Area
Didsbury – Compressor Station Maintenance	29-Aug-26	04-Sep-26	154	4	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	24-Oct-26	30-Oct-26	154	6	No impact to FT-D anticipated Empress/McNeill Borders Segments 15, 16, 17, 18, 19, 20, 23, partial 21, and partial 28
Jenner – Compressor Station Maintenance	01-Nov-26	07-Nov-26	154	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 Foothills Zone 6 – Pipeline Maintenance	01-Nov-26	03-Nov-26	145	16	Potential impact to FT-D Empress/McNeill Borders Segments 15, 16, 17, 18, 19, 20, 23, partial 21, and partial 28
NPS 42 Foothills Zone 6 – Pipeline Maintenance	04-Nov-26	06-Nov-26	135	26	Potential impact to FT-D 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

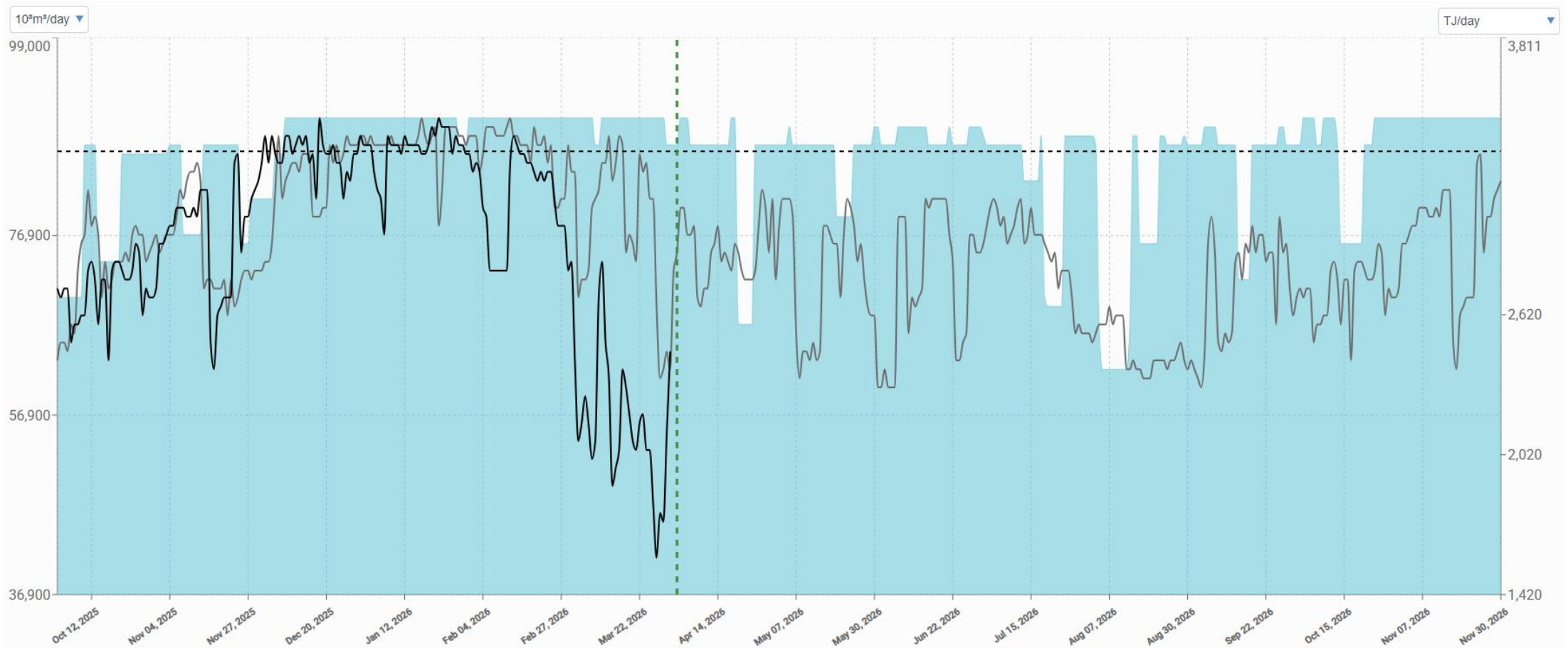
May not be accurate beyond April 1. Please refer to the [DOP](#) on TC Customer Express for current outage information.



# Alberta-B.C. Border

(includes both NGTL and Foothills BC outages)

■ Capability    - Actual Flow    - Historical Flow    - - Contracts



May not be accurate beyond April 1. 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 <sup>6</sup> m <sup>3</sup> /d)	Impact (10 <sup>6</sup> m <sup>3</sup> /d)	Service Allowable Location/Area
NPS 42 WAS Mainline Loop – Pipeline Maintenance	20-Apr-26	24-Apr-26	79	11	Potential Impact to FT-D Alberta/BC and Alberta/Montana Borders Segment 22 and Partial 21
Moyie – Compressor Station Maintenance	20-Apr-26	24-Apr-26	67	29	Potential Impact to FT Foothills BC
Crowsnest B – Compressor Station Maintenance	19-May-26	23-May-26	79	10	Potential Impact to FT Foothills BC
NPS 36 Foothills Zone 8 Segment 3 – Pipeline Maintenance	13-Jul-26	17-Jul-26	83	5	Potential Impact to FT Foothills BC
Burton Creek – Compressor Station Maintenance	19-Jul-26	24-Jul-26	70	18	Potential Impact to FT-D Alberta/BC and Alberta/Montana Borders
NPS 36 Foothills Zone 8 Segment 4 – Pipeline Maintenance	20-Jul-26	24-Jul-26	69	19	Potential Impact to FT Foothills BC
Crowsnest A – Compressor Station Maintenance	04-Aug-26	13-Aug-26	67	21	Potential Impact to FT Foothills BC
NPS 36 BC Mainline – Pipeline Maintenance	05-Aug-26	12-Aug-26	62	26	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 April 1. 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 <sup>6</sup> m <sup>3</sup> /d)	Impact (10 <sup>6</sup> m <sup>3</sup> /d)	Service Allowable Location/Area
Burton Creek A3 – Compressor Station Maintenance	16-Aug-26	21-Aug-26	76	12	Potential Impact to FT-D Alberta/BC and Alberta/Montana Borders
Elko – Compressor Station Maintenance	14-Sep-26	17-Sep-26	72	17	Potential Impact to FT Foothills BC
Turner Valley A1 & A2 – Compressor Station Maintenance	14-Oct-26	20-Oct-26	76	14	Potential Impact to FT-D Alberta/BC and Alberta/Montana Borders Segment 22 and Partial 21

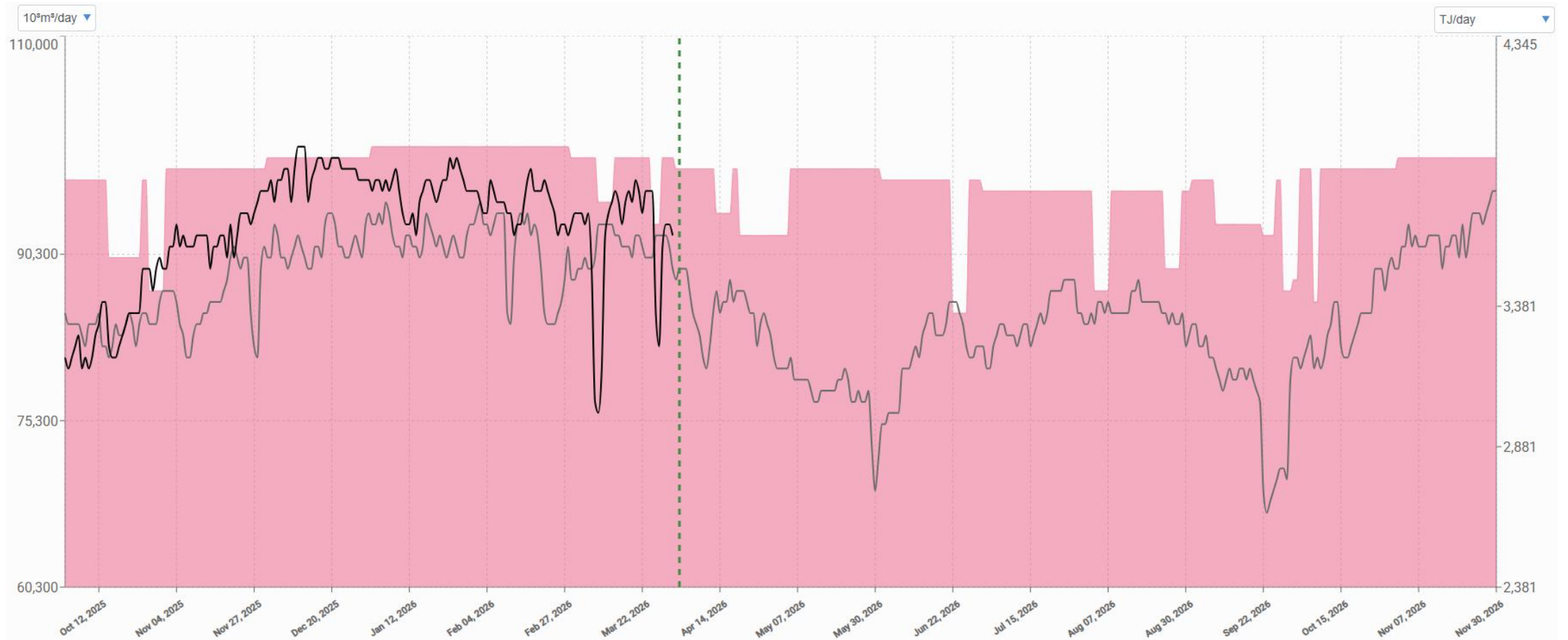
**Note:** Outages located in the USJR area show up in the WGAT table in DOP to indicate a broad area restriction could be applied to reduce flows through the bottleneck but have been excluded from this slide to avoid duplication

May not be accurate beyond April 1. 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 April 1. 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

Outage Description	Start	End	OSDA Capability (10 <sup>6</sup> m <sup>3</sup> /d)	NEDA Capability (10 <sup>6</sup> m <sup>3</sup> /d)	Impact (10 <sup>6</sup> m <sup>3</sup> /d)	Service Allowable Location/Area
Hidden Lake North – Compressor Station Maintenance	13-Apr-26	17-Apr-26	94	117	4	Potential impact to FT-D NEDA
Otter Lake – Compressor Station Maintenance	20-Apr-26	04-May-26	92	115	6	Potential impact to FT-D NEDA
Meikle River D5 – Compressor Station Maintenance	22-Jun-26	26-Jun-26	85	108	12	Potential impact to FT-D NEDA
Meikle River C – Compressor Station Maintenance	03-Aug-26	07-Aug-26	87	110	9	Potential impact to FT-D NEDA
Goodfish – Compressor Station Maintenance	24-Aug-26	28-Aug-26	89	112	7	Potential impact to FT-D NEDA
Woodenhouse C3 – Compressor Station Maintenance	08-Sep-26	21-Sep-26	93	N/A	4	Potential impact to FT-D OSDA

*Note: Some of these outages are included in the OSDA table of the DOP for visibility purposes. Their area of impact is expected to be different that the standard OSDA definition.*

May not be accurate beyond April 1. 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

Outage Description	Start	End	OSDA Capability (10 <sup>6</sup> m <sup>3</sup> /d)	NEDA Capability (10 <sup>6</sup> m <sup>3</sup> /d)	Impact (10 <sup>6</sup> m <sup>3</sup> /d)	Service Allowable Location/Area
Otter Lake – Compressor Station Maintenance	22-Sep-26	25-Sep-26	92	114	5	Potential impact to FT-D NEDA
Meikle River C – Compressor Station Maintenance	28-Sep-26	02-Oct-26	87	110	10	Potential impact to FT-D NEDA
Meikle River D5 – Compressor Station Maintenance	07-Oct-26	08-Oct-26	86	108	12	Potential impact to FT-D NEDA

*Note: These outages are included in the OSDA table of the DOP for visibility purposes. Their area of impact is expected to be different that the standard OSDA definition.*

May not be accurate beyond April 1. Please refer to the [DOP](#) on TC Customer Express for current outage information.



# Summary

- ❖ **First posted planned outage for WGAT is starting April**
  - ❖ WGAT has its first posted planned outage end of April. Maintenance activities continue in USJR/EGAT/OSDA.
- ❖ **Majority of scope for the NPS 42 Edson Mainline Loop completed**
  - ❖ Additional runs required June 16 – June 20th
- ❖ **Potential risk to EGAT firm service during planned and unplanned outages**
  - ❖ Further details were provided in the March Customer Ops Meeting

Maintenance season has started, continue to monitor DOP with the above considerations



# CONTACTS



## MARKETING REPS

[Customer Express Contacts  
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## MINH BADAU

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# Additional Resources

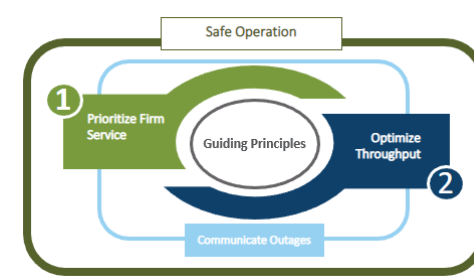


# Glossary of Terms

- ❖ **DOP:** Daily Operating Plan [DOP](#)
- ❖ **NGTL:** NGTL System - pipeline system located in Alberta and NE BC
- ❖ **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



# Broad Area Restriction – Assessment Process

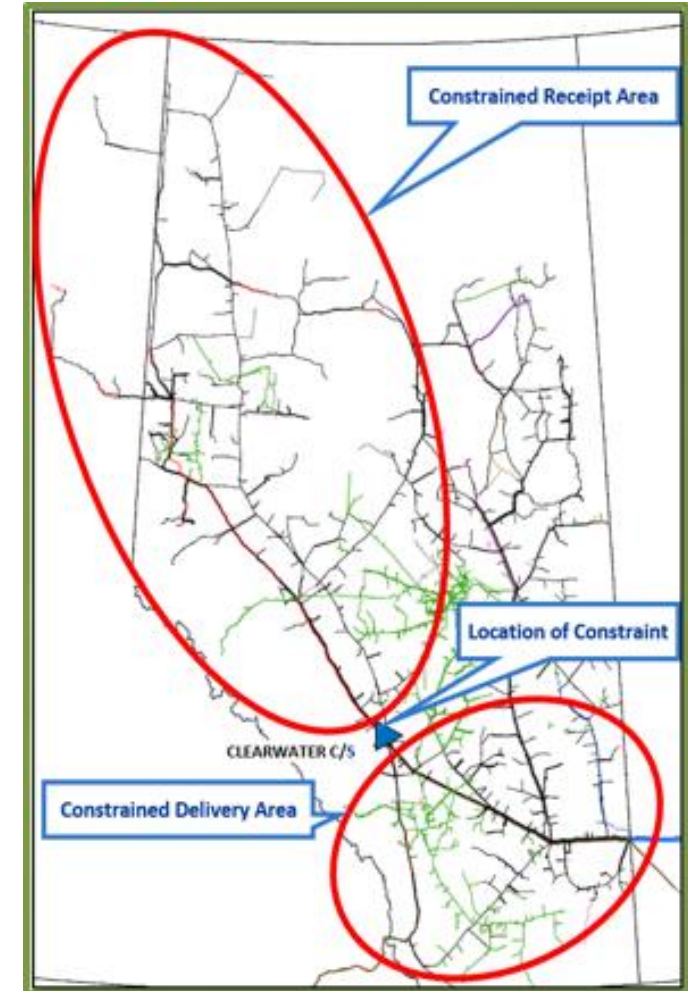
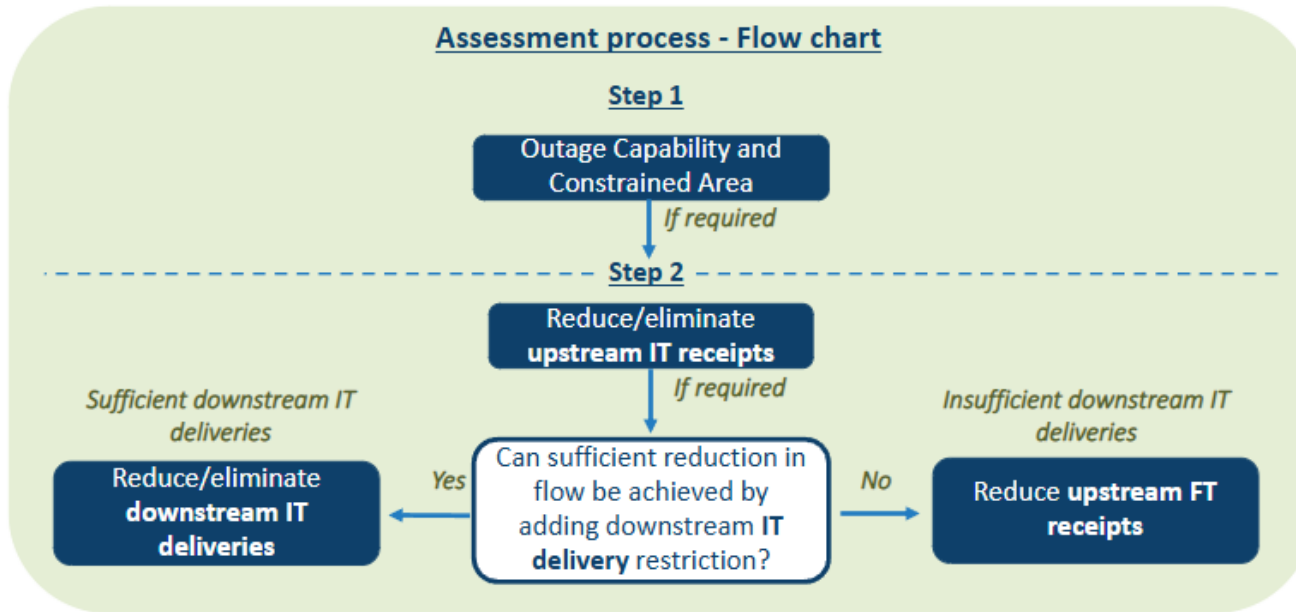


## Step 1 - Outage Assessment

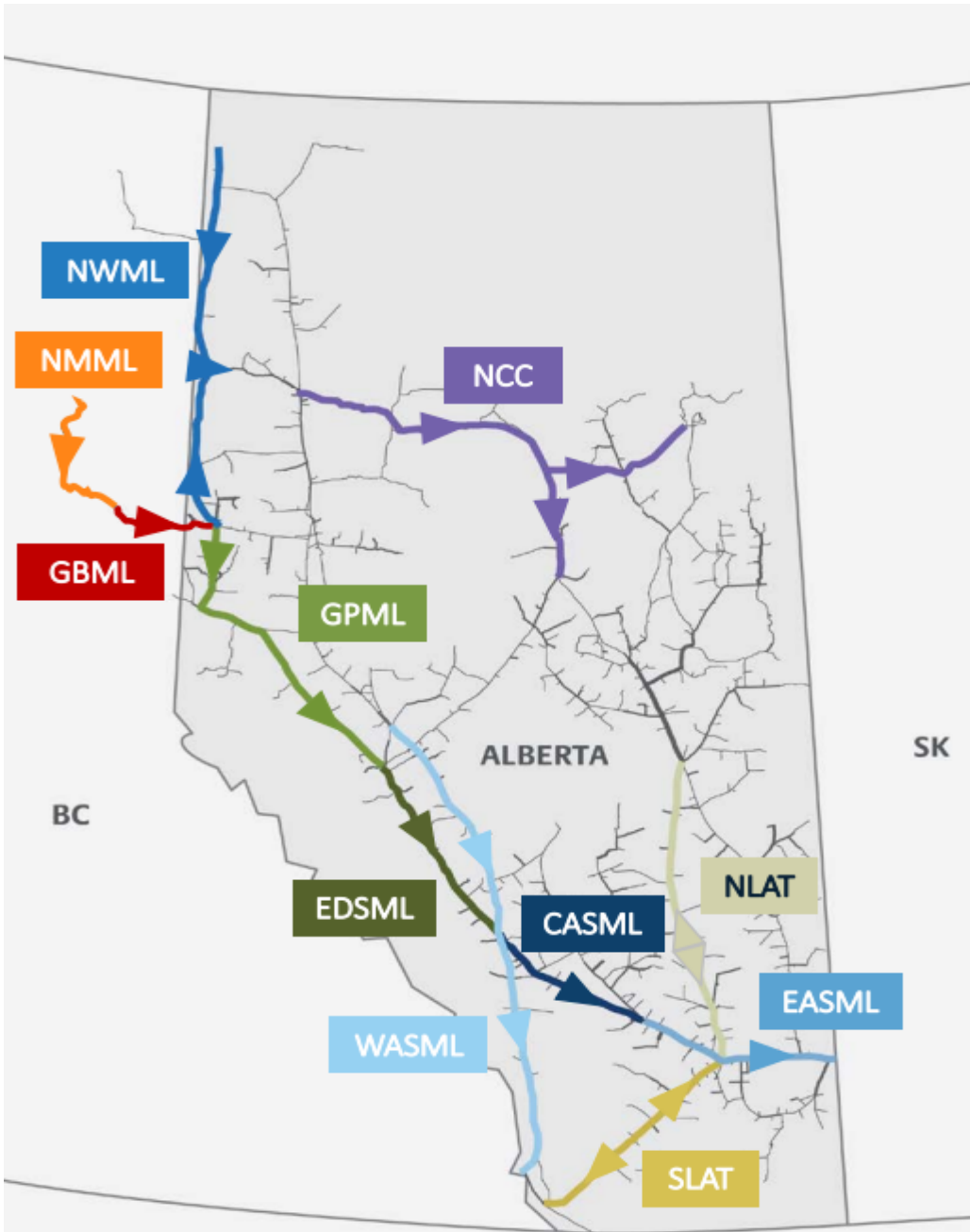
- Constrained area is determined based on hydraulic analysis
- Restriction is required if flow is expected to exceed capability in the constrained area

## Step 2 – Restriction assessment process

- Applicable under the current system operations
- Applicable to broad area restrictions for most of outages in USJR



# 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)



# Plant Turnaround Information

- Customer Plant Turnaround Information is important to TC for planning outage execution and determining service-level impact required.
- Allows NGTL to be proactive instead of reactive to flow situations and minimize impact to customers.
- Customers can use the Plant Turnaround Information Form or send us an email to provide us with their turnaround details.
- We accept plant turnaround information any time throughout the year.
- All customer specific information received will remain strictly confidential within the outage planning and coordination teams

Report your maintenance and turnaround schedules for 2026 and beyond  
Click [HERE](#) for the PTA form

Where to send the form: [ab\\_bc\\_ops\\_planning@tcenergy.com](mailto:ab_bc_ops_planning@tcenergy.com)

## PLANT TURNAROUND INFORMATION FORM



Date:

Email to: [ab\\_bc\\_ops\\_planning@tcenergy.com](mailto:ab_bc_ops_planning@tcenergy.com)

### Your Contact Information:

Your Name:

Company Name:

Phone:

Secondary Phone (Optional):

Email:

### Please select one of the following:

Information for new Plant Turnaround

Update to existing Plant Turnaround information

### Plant Turnaround Information:

NGTL Meter Station Name:

NGTL Meter Station Number:

Start Date:

End Date:

Start Time:

End Time:

Type of Plant Turnaround:

Complete Turnaround (Zero Flow)

Partial Turnaround:

Expected Flow during turnaround:  10<sup>3</sup>m<sup>3</sup>/d

Typical Flow:  10<sup>3</sup>m<sup>3</sup>/d

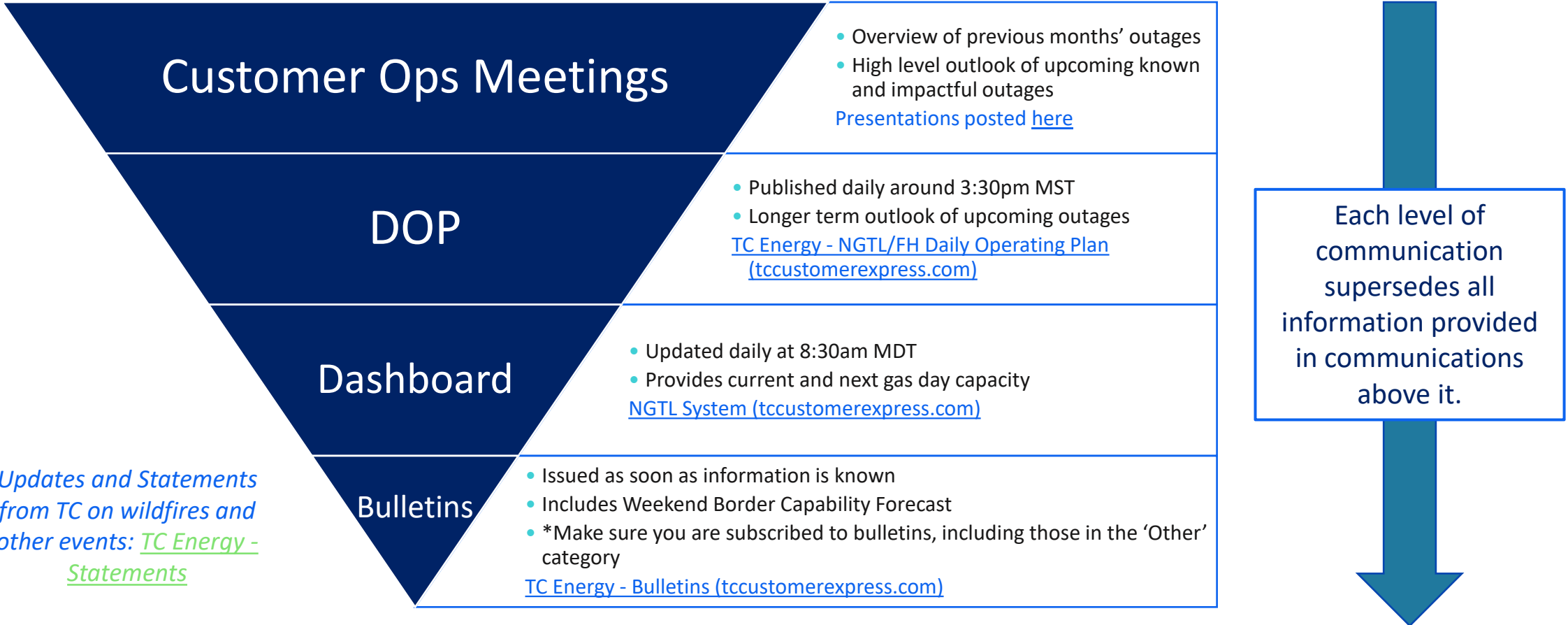
### Additional Comments:

Email this form to: [ab\\_bc\\_ops\\_planning@tcenergy.com](mailto:ab_bc_ops_planning@tcenergy.com).

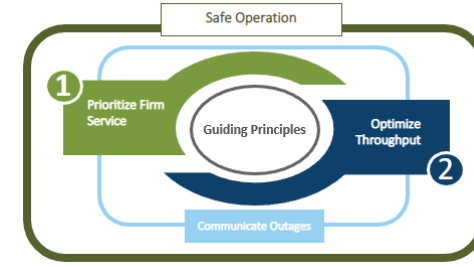
Direct any questions to the Pipeline @ (403) 920-7473.

# Outage Communication Tools: Order

With the Summer Maintenance Season upon us, staying informed is more critical than ever. Outages that may have service authorization level impacts may be more frequent. Take note of the below communications structure to ensure you are getting the most relevant and timely information available.



# Broad Area Restriction Assessment Process



How do I know if an outage will follow the Broad Area Assessment Process?

- Outages in the USJR table will also be included in the EGAT/WGAT tables to signal Broad Area Assessment Process is applicable

**Receipt - Upstream James River** Base Operational Capability: 377,000 10<sup>3</sup>m<sup>3</sup>/day  
From Jul 01, 2025 to Jul 31, 2025 Heat Value  
40.5 GJ/10<sup>3</sup>m<sup>3</sup>

19700939									
Duration	Start	End	Impact	Outage Capability	Local Area Impact	Local Area Outage Capability	Typical Flow	Outage Description	Service Allowable Location/Area
4 days	Jul 24, 2025	Jul 27, 2025	26,000 10 <sup>3</sup> m <sup>3</sup> /day	351,000 10 <sup>3</sup> m <sup>3</sup> /day	N/A	N/A 10 <sup>3</sup> m <sup>3</sup> /day	355,000-385,000 10 <sup>3</sup> m <sup>3</sup> /day	NPS 48 Grande Prairie Mainline Loop 2 - Pipeline Maintenance	Potential impact to FT-R USJR

**Potential Impact**

**Delivery - East Gate** Base Operational Capability: 160,000 10<sup>3</sup>m<sup>3</sup>/day  
From Jul 01, 2025 to Jul 31, 2025 Heat Value  
38.5 GJ/10<sup>3</sup>m<sup>3</sup>

19700939									
Duration	Start	End	Impact	Outage Capability	Outage Description	Service Allowable Location/Area			
4 days	Jul 24, 2025	Jul 27, 2025	18,000 10 <sup>3</sup> m <sup>3</sup> /day	142,000 10 <sup>3</sup> m <sup>3</sup> /day	NPS 48 Grande Prairie Mainline Loop 2 - Pipeline Maintenance	No impact to FT-D anticipated Empress/McNeill Borders Segments 15, 16, 17, 18, 19, 20, partial 21, 23, 24, partial 28			

**Delivery - West Gate** Base Operational Capability: 89,000 10<sup>3</sup>m<sup>3</sup>/day  
From Jul 01, 2025 to Jul 31, 2025 Heat Value  
38.5 GJ/10<sup>3</sup>m<sup>3</sup>

19700939									
Duration	Start	End	Impact	Outage Capability	Outage Description	Service Allowable Location/Area			
4 days	Jul 24, 2025	Jul 27, 2025	2,000 10 <sup>3</sup> m <sup>3</sup> /day	87,000 10 <sup>3</sup> m <sup>3</sup> /day	NPS 48 Grande Prairie Mainline Loop 2 - Pipeline Maintenance	No impact to FT-D anticipated Alberta/BC and Alberta/Montana Borders Segments 22 and partial 21			





# Broad Area Restriction Assessment Process

## Assessment process - Flow chart

### Step 1

Outage Capability and  
Constrained Area

*If required*

### Step 2

Reduce/eliminate  
upstream IT receipts

*If required*

*Sufficient downstream IT  
deliveries*

Reduce/eliminate  
**downstream IT  
deliveries**

*Yes*

Can sufficient reduction in  
flow be achieved by  
adding downstream IT  
**delivery** restriction?

*No*

*Insufficient downstream IT  
deliveries*

Reduce upstream **IT**  
**receipts**