



NGTL System and Foothills Pipelines Ltd.

Customer Operations Meeting

December 3, 2020



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
- Please submit your questions via the chat function and we will answer them at the best possible opportunity

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 (slides 9 to 17) is NOT applicable beyond the December 3, NGTL/Foothills Customer Operations (WebEx only) meeting



For current outage information, please refer to the most recent Daily Operating Plan (DOP) on TC Customer Express



This meeting will only cover operational topics related to the NGTL and Foothills systems. For information on Commercial and Regulatory topics, please contact your marketing representative

Our Focus During COVID-19



Protect our teams, partners and communities



Ensure no interruption to our customers



Secure supply of critical equipment and services with our partners

Notice something is off?

Please reach out: [Marketing Reps](#) or 403.920.PIPE

Health & Safety Moment: How to support local businesses



Get your holiday shopping done locally



Take advantage of delivery and curbside pickup



Register for online workout classes

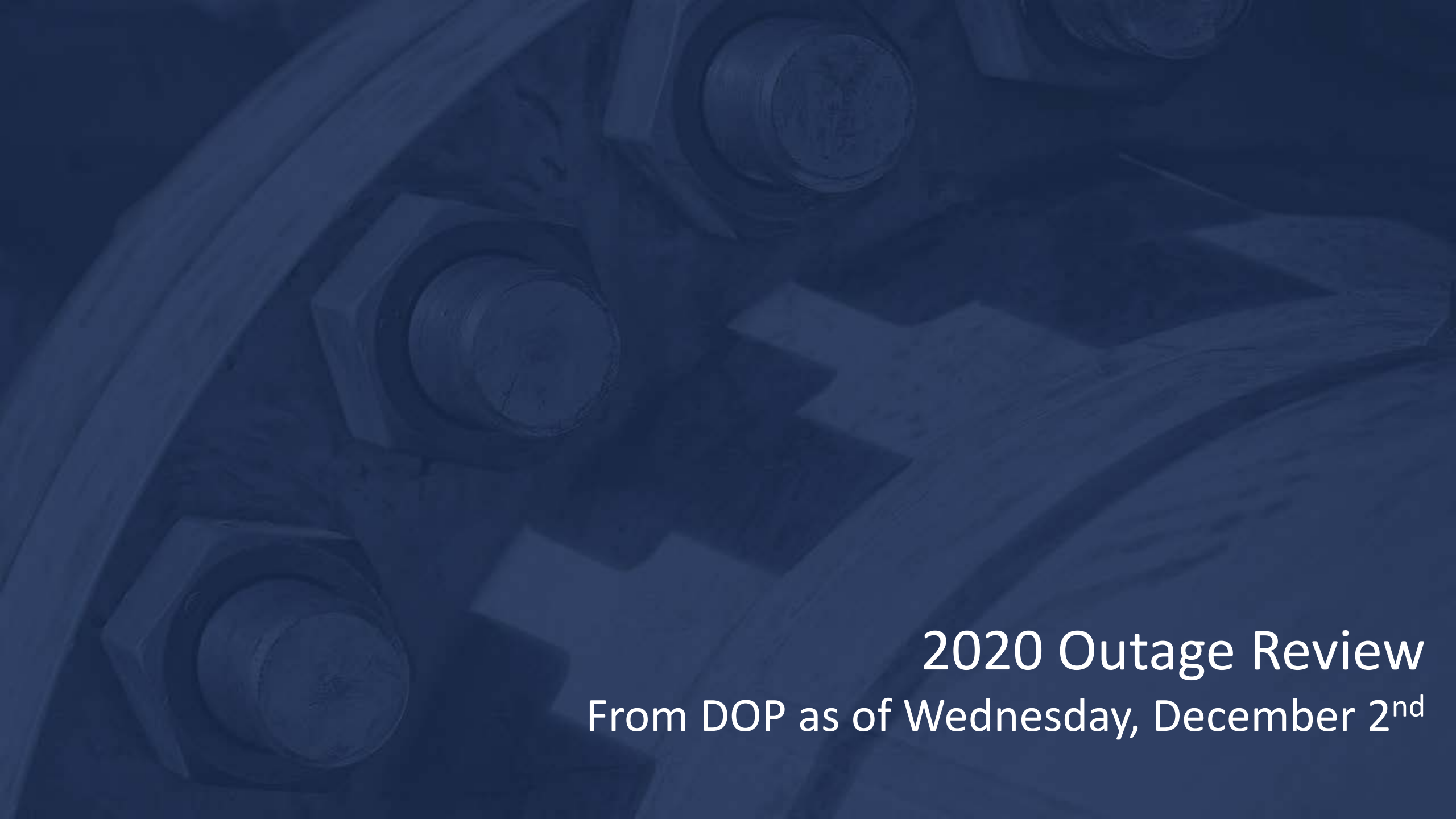


Share your favourite stores with your network

Agenda

Review outages in Daily Operating Plan (DOP):

- 1 Upstream James River
- 2 West Gate Delivery Area & Foothills Zone 8 (B.C.)
- 3 East Gate Delivery area & Foothills Zone 9 (Saskatchewan)
- 4 Northeast Delivery Area & Oil Sands Delivery Area



2020 Outage Review

From DOP as of Wednesday, December 2nd

Upstream James River

Publication: **Compared to:**

Dec 02, 2020

Nov 04, 2020

Capability

Actual Flow

Historical Flow

Contracts

Compared to Nov 4 Posted Capability

10⁹m³/day

TJ/day



This slide is NOT applicable beyond the Dec 3, 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)	Typical Outage Area Flows (10 ⁶ m ³ /d)	Location/Area
NPS 30 Grande Prairie Mainline - Pipeline Maintenance	12-Jan-21	20-Jan-21	320	5	194	145-180	Potential impact to FT-R Segments 2, 3, 4, and partial 7
Vetchland - Compressor Station Modifications	1-Mar-21	5-Mar-21	311	14	N/A	260-310	Potential impact to FT-R USJR
Woodenhouse C3 – Compressor Station Maintenance	8-Mar-21	9-Mar-21	316	9	190	145-180	Potential impact to FT-R Segments 2, 3, 4, and partial 7
Otter Lake B2 – Compressor Station Maintenance	8-Mar-21	9-Mar-21	310	15	184	145-180	Potential impact to FT-R Segments 2, 3, 4, and partial 7
Nordegg – Compressor Station Maintenance	15-Mar-21	21-Mar-21	315	10	N/A	260-310	Potential impact to FT-R USJR
Hidden Lake North – Compressor Station Maintenance	22-Mar-21	26-Mar-21	315	10	189	145-180	Potential impact to FT-R Segments 2, 3, 4, and partial 7
Goodfish – Compressor Station Maintenance	22-Mar-21	26-Mar-21	311	14	185	145-180	Potential impact to FT-R Segments 2, 3, 4, and partial 7
Knight – Compressor Station Maintenance	29-Mar-21	1-Apr-21	315	10	N/A	260-310	Potential impact to FT-R USJR
Meikle River D5 - Compressor Station Maintenance	5-Jul-21	9-Jul-21	303	14	N/A	260-310	Potential impact to FT-R USJR
Berland River - Compressor Station Maintenance	9-Aug-21	11-Aug-21	301	16	N/A	260-310	Potential impact to FT-R USJR
NPS 36 Edson Mainline Extension - Pipeline Maintenance	14-Aug-21	20-Aug-21	306	11	N/A	260-310	Potential impact to FT-R USJR
Gold Creek - Compressor Station Modifications	7-Sep-21	4-Oct-21	301	17	175	145-180	Potential impact to FT-R Segments 2, 3, 4, and partial 7
Latonnell - Compressor Station Maintenance	12-Oct-21	16-Oct-21	311	14	N/A	260-310	Potential impact to FT-R USJR

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Alberta-B.C. Border

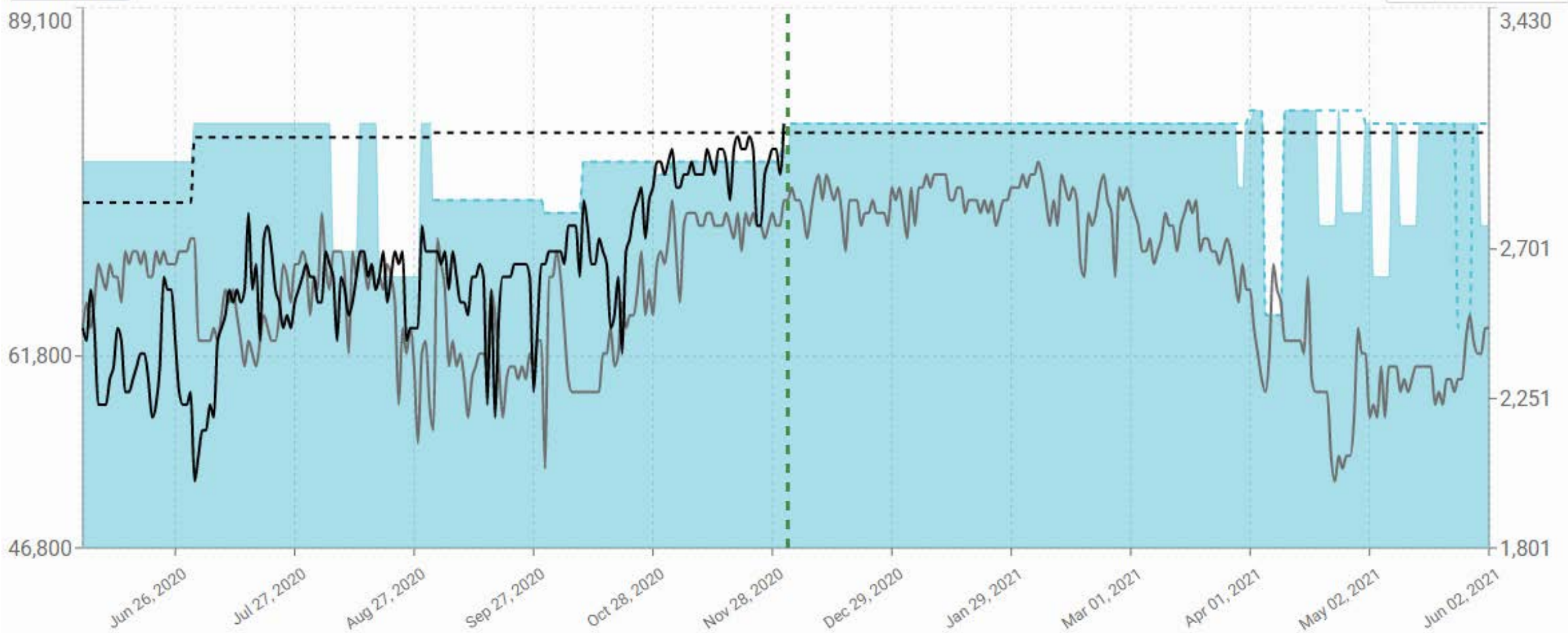
Publication: Compared to:

Dec 02, 2020 ▾ Nov 04, 2020 ▾

■ Capability — Actual Flow — Historical Flow - - Contracts - - Compared to Nov 6 Posted Capability

10⁸m³/day ▾

TJ/day ▾



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West Gate Delivery Area (WGAT) Foothills Zone 8 (FHBC)

No
impact to FT

Potential
impact to FT

Partial
impact to FT

Outage Description	Start	End	Capability/ Allowable (10 ⁶ m ³ /day)	Impact (10 ⁶ m ³ /d)	Pipeline	Service Allowable Location/Area
Turner Valley A3 - Compressor Station Maintenance	1-Sep-20	2-Dec-20	78	2	NGTL	Potential impact to FT-D: Alberta/BC Border
Crowsnest B - Compressor Station Maintenance	29-Mar-21	30-Mar-21	75	6	FH BC	Potential impact to FT: Alberta/BC Border
Burton Creek - Compressor Station Maintenance	5-Apr-21	9-Apr-21	65	16	NGTL	Potential impact to FT-D: Alberta/BC and Alberta/Montana Borders
NPS 36 Western Alberta System Mainline - Pipeline Maintenance	19-Apr-21	23-Apr-21	72	9	NGTL	Potential impact to FT-D: Alberta/BC and Alberta/Montana Borders
NPS 36 Foothills Pipeline Zone 7 Leg 1C - Pipeline Maintenance	25-Apr-21	30-Apr-21	73	8	NGTL	Potential impact to FT-D: Alberta/BC and Alberta/Montana Borders
NPS 42 Western Alberta System Mainline Loop - Pipeline Maintenance	3-May-21	7-May-21	68	12	NGTL	Potential Impact to FT-D: Alberta/BC and Alberta/Montana Borders
NPS 36 Western Alberta System Mainline - Pipeline Maintenance	10-May-21	14-May-21	72	8	NGTL	Potential impact to FT-D: Alberta/BC and Alberta/Montana Borders
Burton Creek A3 - Compressor Station Maintenance	31-May-21	3-Jun-21	72	8	NGTL	Potential impact to FT-D: Alberta/BC and Alberta/Montana Borders
NPS 36 Western Alberta System Mainline Loop - Pipeline Maintenance	14-Jun-21	18-Jun-21	73	7	NGTL	Potential impact to FT-D: Alberta/BC Border
NPS 36 Foothills Pipeline Zone 8 Seg 2 - Pipeline Maintenance	14-Jul-21	19-Jul-21	70	10	FH BC	Potential impact to FT: Alberta/BC Border
NPS 42 Western Alberta System Mainline Loop - Pipeline Modification	20-Jul-21	29-Jul-21	69	11	NGTL	Potential Impact to FT-D: Alberta/BC Border

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Please refer to the DOP on TC Customer Express for current outage information

West Gate Delivery Area (WGAT) Foothills Zone 8 (FHBC)

No
impact to FT

Potential
impact to FT

Partial
impact to FT

Outage Description	Start	End	Capability/ Allowable (10 ⁶ m ³ /day)	Impact (10 ⁶ m ³ /d)	Pipeline	Service Allowable Location/Area
Winchell Lake - Compressor Station Maintenance	3-Aug-21	7-Aug-21	65	15	NGTL	Potential Impact to FT-D: Alberta/BC Border
NPS 36 BC Mainline - Pipeline Maintenance	4-Aug-21	8-Aug-21	65	15	FH BC	Potential impact to FT: Alberta/BC Border
NPS 36 Foothills Zone 8 Seg 3 - Pipeline Maintenance	11-Aug-21	15-Aug-21	75	5	FH BC	Potential impact to FT: Alberta/BC Border
Crowsnest A – Compressor Station Maintenance	17-Aug-21	20-Aug-21	64	16	FH BC	Potential Impact to FT: Alberta/BC Border
NPS 36 Foothills Zone 8 Seg 4 - Pipeline Maintenance	18-Aug-21	22-Aug-21	73	7	FH BC	Potential impact to FT: Alberta/BC Border
Turner Valley A1 and A2 - Compressor Station Maintenance	23-Aug-21	27-Aug-21	73	7	NGTL	Potential impact to FT-D: Alberta/BC and Alberta/Montana Borders
NPS 42 Western Alberta System Mainline Loop - Pipeline Maintenance	8-Sep-21	15-Sep-21	71	9	NGTL	Potential impact to FT-D: Alberta/BC and Alberta/Montana Borders
NPS 36 BC Mainline - Pipeline Maintenance	16-Sep-21	20-Sep-21	71	9	FH BC	Potential impact to FT: Alberta/BC Border
NPS 36 Western Alberta System Mainline - Pipeline Modification	21-Sep-21	26-Sep-21	68	12	NGTL	Potential Impact to FT-D: Alberta/BC and Alberta/Montana Borders
Elko - Compressor Station Maintenance	21-Sep-21	22-Sep-21	66	14	FH BC	Potential Impact to FT: Alberta/BC Border
Moyie – Compressor Station Maintenance	4-Oct-21	8-Oct-21	66	14	FH BC	Potential impact to FT: Alberta/BC Border

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Please refer to the DOP on TC Customer Express for current outage information

East Gate

Publication: Compared to:

Dec 02, 2020

Nov 04, 2020

■ Capability

— Actual Flow

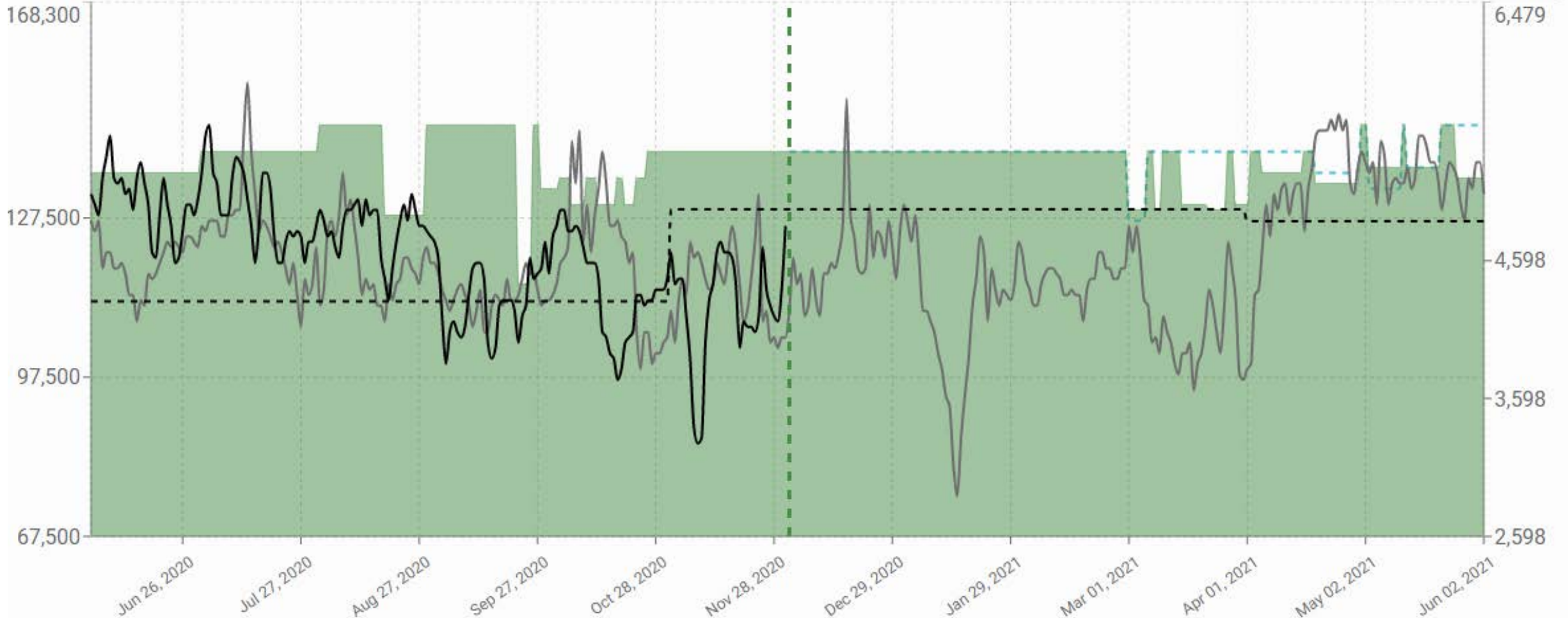
— Historical Flow

- - - Contracts

- - - Compared to Nov 4 Posted Capability

10⁸m³/day

TJ/day



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East Gate Delivery Area (EGAT) Foothills Zone 9 (FHSK)

No
impact to FT

Potential
impact to FT

Partial
impact to FT

Outage Description	Start	End	Capability/ Allowable (10 ⁶ m ³ /day)	Impact (10 ⁶ m ³ /d)	Service Allowable Location/Area
Beiseker – Compressor Station Maintenance	29-Mar-21	1-Apr-21	136	4	No impact to FT-D anticipated: Empress/McNeill Borders Segments 15, 16, 17, 18, 19, 20, 23, partial 21, and partial 28
NPS 48 Central Alberta System Mainline Loop 2 Pipeline Modification	19-Apr-21	30-Apr-21	134	6	No impact to FT-D anticipated: Empress/McNeill Borders Segments 15, 16, 17, 18, 19, 20, 23, partial 21, and partial 28
NPS 48 Central Alberta System Mainline Loop 2 Pipeline Modification	3-May-21	11-May-21	137	8	No impact to FT-D anticipated: Empress/McNeill Borders Segments 15, 16, 17, 18, 19, 20, 23, partial 21, and partial 28
NPS 48 Central Alberta System Mainline Loop 2 Pipeline Modification	13-May-21	21-May-21	137	8	No impact to FT-D anticipated: Empress/McNeill Borders Segments 15, 16, 17, 18, 19, 20, 23, partial 21, and partial 28
NPS 42 Central Alberta System M/L Lp Pipeline Modification	26-May-21	5-Jun-21	135	10	No impact to FT-D anticipated: Empress/McNeill Borders Segments 15, 16, 17, 18, 19, 20, 23, partial 21, and partial 28
NPS 30 Central Alberta System M/L Pipeline Modification	8-Jun-21	18-Jun-21	138	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 and Central Alberta System Mainline Loop* Pipeline Maintenance	21-Jun-21	3-Jul-21	126	19	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 Pipeline Zone 6 Pipeline Maintenance	19-Jul-21	26-Jul-21	129	16	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 Pipeline Zone 6* Pipeline Maintenance	17-Aug-20	24-Aug-20	118	27	No impact to FT-D anticipated: Empress/McNeill Borders Segments 15, 16, 17, 18, 19, 20, 23, partial 21, and partial 28

*Potential to impact Tranche 3 EGAT Firm contracts

Foothills Zone 9 (FH SK)

NPS 42 Foothills Zone 9 (Shaunavon to Monchy) Pipeline Maintenance	6-Dec-20	13-Dec-20	25		Potential impact to FT Foothills Saskatchewan
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Oil Sands Delivery Area

Publication: Compared to:

Dec 02, 2020

Nov 04, 2020

■ Capability

— Actual Flow

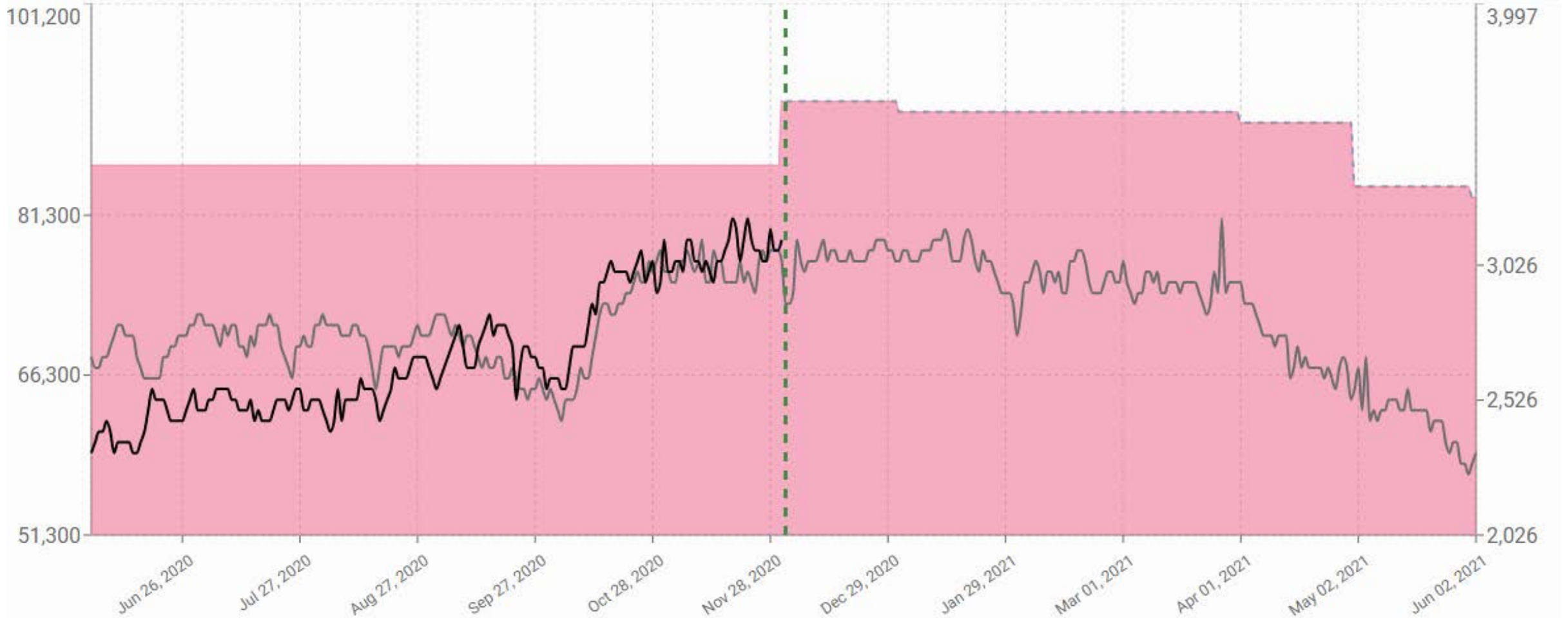
— Historical Flow

- - - Contracts

- - - Compared to Nov 4 Posted Capability

10⁹m³/day

TJ/day



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Northeast Delivery Area (NEDA) Oil Sands Delivery Area (OSDA)

No
impact to FT

Potential
impact to FT

Partial
impact to FT

Outage Description	Start	End	Capability/ Allowable (10 ⁶ m ³ /day)	Typical Flow (10 ⁶ m ³ /d)	Service Allowable Location/Area
Gadsby – Compressor Station Maintenance	15-Mar-21	19-Mar-21	120	90 - 100	No impact to FT-D anticipated NEDA Segments 6, 10, 11, 12, 13, 14, 15, 16, 17, 23, 24, partial 28

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