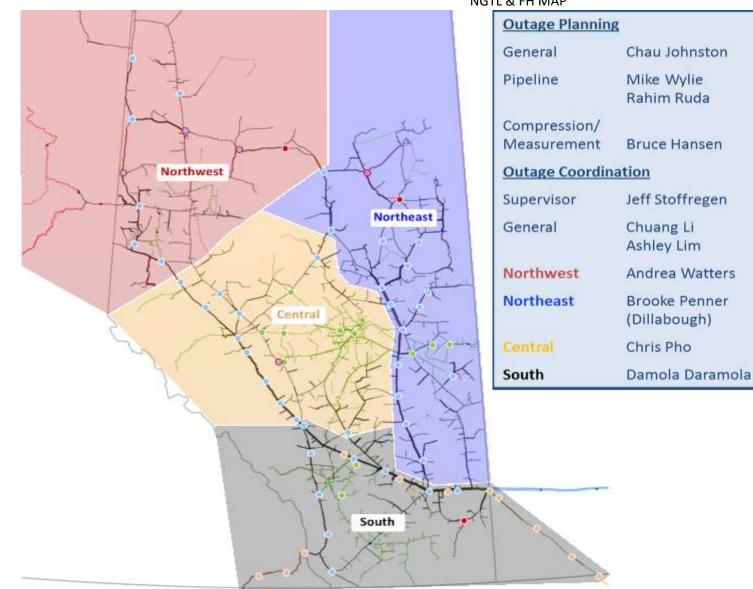




# **December Monthly Outage Forecast**

The Monthly Outage Forecast is a tool provided by TransCanada to show the estimated operational capability. This information is provided 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. TransCanada shall not be liable for damages sustained as a result of any use or reliance on such information. Please note, only known and planned outages at the time of publishing will be included in the Monthly Outage Forecast. As new outages are planned they will be added to subsequent MOF reports.



#### NGTL & FH MAP

403.920.6061

403.920.7346

403.920.6360

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403.920.5291

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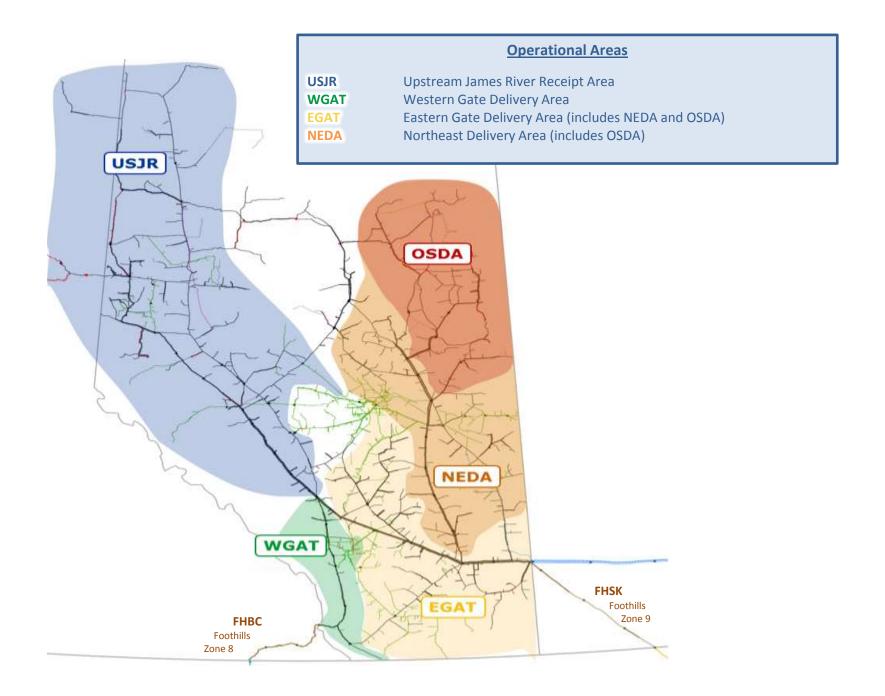
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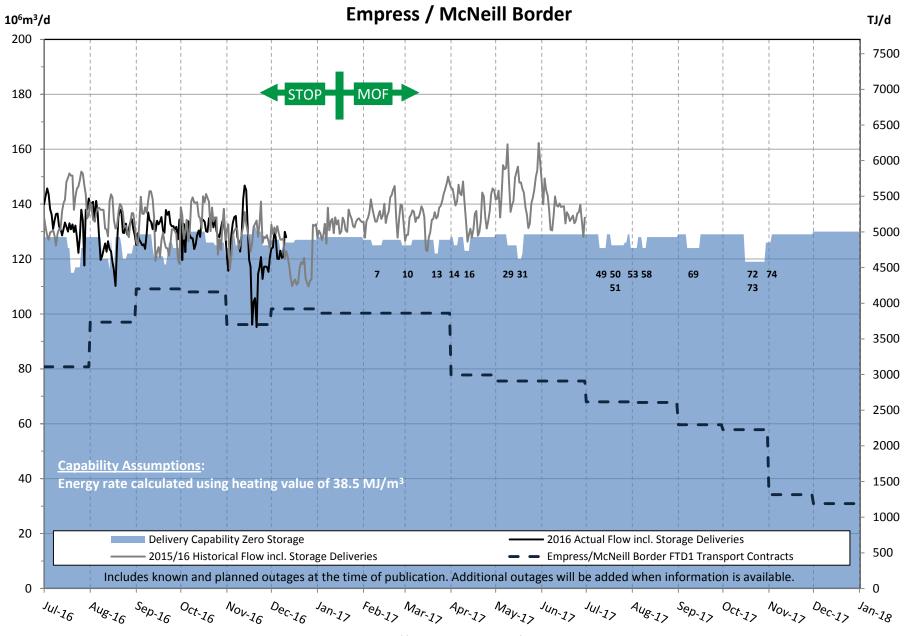
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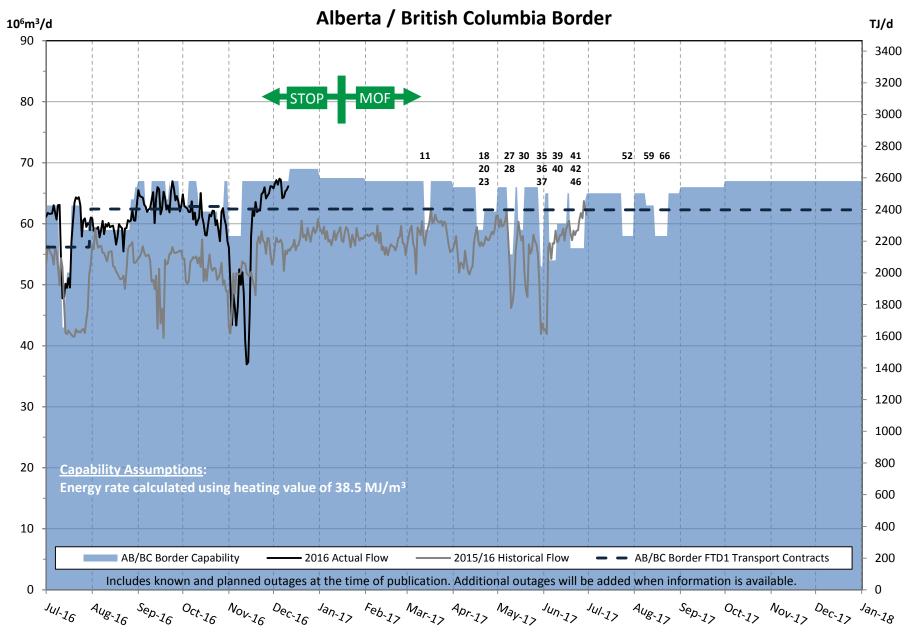
#### For NGTL System Facilities Segment codes please view link below

http://www.transcanada.com/customerexpress/docs/fh system maps/AB System Map 2015 Segments Rev18.pdf

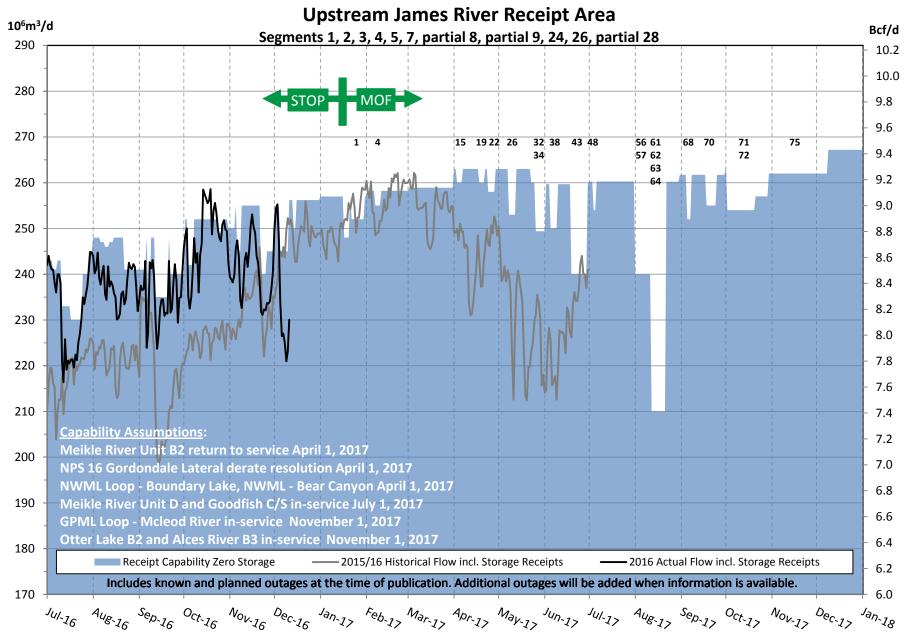




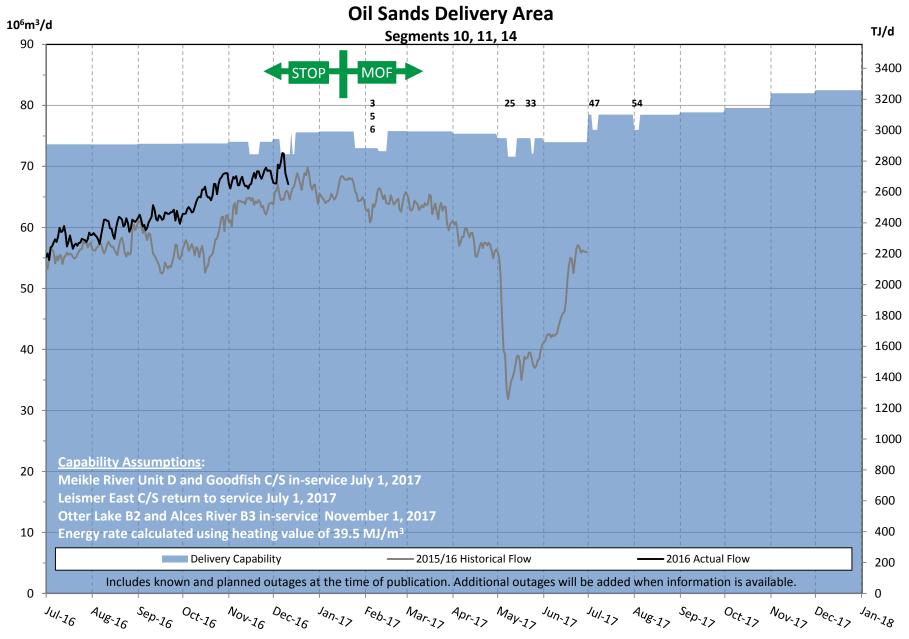
Monthly Outage Forecast December 2016



Monthly Outage Forecast December 2016



Monthly Outage Forecast December 2016



Monthly Outage Forecast December 2016

Area Definitions USJR

- Upstream James River Receipt Area: Groundbirch East, Gordondale, Big Eddy, January Creek, and Rat Creek West interconnects, and all receipt locations in Segments 1, 2, 3, 4, 5, 7, partial 8, partial 9, 24, 26, partial 28.
- East Gate Delivery Area: Empress, McNeill, Unity, Cold Lake, Aeco C, Warwick Southeast, Chancellor, Carbon, Severn Creek, and Crossfield interconnects, EGAT and all delivery locations in Segments 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, partial 21, 22, 23, partial 28.
  - NEDA North and East Delivery Area: Unity, Cold Lake, Warwick Southeast interconnects, and all delivery locations in Segments 10, 11, 12, 13, 14, 15, 16, 23, partial 28: • OSDA Oil Sands Delivery Area: Cold Lake interconnect, and all delivery locations in Segments 10, 11, 14.

West Gate Delivery Area: Alberta B.C. and Alberta Montana interconnects, and delivery locations in partial Segment 21.

WGAT Foothills Zone 8 FHBC

OUTAGE	SEG	OUTAGE DESCRIPTION	DA	TES	RECEIPT/DELIVERY IMPACT	CONTACT	AREA
#	#		START	FINISH			
1	5	<b>NPS 36 Edson M/L Extension</b> - Pipeline Maintenance (9 days).	01/22/17	01/30/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 252 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
2	10	<b>NPS 16 &amp; 14 Leismer Lateral</b> - Pipeline Modifications (5 days). <b>Dates and Impact Revised</b>	01/24/17	01/28/17	Nil required at North Thornbury meter station. Typical Flow 30 E3m3/d.	Rahim Ruda	Local
3	11	NPS 16 Kirby Lateral - Pipeline Maintenance (11 days).	01/25/17	02/04/17	Potential IT/FT delivery restriction in Segments 11 & 14. Capability 39 E6m3/d. Typical Flow 30-40 E6m3/d.	Brooke Penner (Dillabough)	OSDA
4	4	<b>NPS 36 NWML Loop # 2 - Bear Canyon Section</b> - Pipeline Modifications (4 days within window).	02/01/17	02/15/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 255 E6m3/d. Typical Flow 230-265 e6m3/d.	Andrea Watters	USJR
5	10	<b>NPS 16 Pelican Mainline</b> - Pipeline Modifications (10-15 days within window).	02/01/17	02/15/17	Potential IT/FT delivery restriction in Segments 11 & 14. Capability 38 E6m3/d. Typical Flow 30-40 E6m3/d.	Brooke Penner (Dillabough)	OSDA
6	11	<b>NPS 16/20 Kirby Lateral Loop</b> - Pipeline Maintenance (4 days).	02/06/17	02/09/17	Potential IT/FT delivery restriction in Segments 11 & 14. Capability 39 E6m3/d. Typical Flow 30-40 E6m3/d.	Brooke Penner (Dillabough)	OSDA
7	6	<b>NPS 24 Marten Hills Lateral Loop</b> - Pipeline Modifications (6 days).	02/07/17	02/13/17	Potential IT/FT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 125 E6m3/d. Typical Flow 125-135 e6m3/d.	Brooke Penner (Dillabough)	EGAT
8	24	<b>NPS 20 Marten Hills Lateral</b> - Pipeline Modifications (5 days). <b>New</b>	02/10/17	02/14/17	Nils required at Haddock and Haddock North meter stations. Typical Flow 260 E3m3/d.	Chris Pho	Local
9	16	NPS 18 East Lateral - Pipeline Maintenance (6 days)	02/22/17	02/27/17	Delivery restriction at Unity Border meter station. Capability 1800 e3m3/d. Typical Flow 2900 e3m3/d.	Chris Pho	Local
10	18	NPS 42 Edson M/L Loop & CAS M/L Loop Pipeline Maintenance (7 days within window). New	02/22/17	03/08/17	Potential IT/FT delivery restriction in the East Gate Delivery Area. Empress/McNeill Capability 125 E6m3/d.Typical Flow 125-135 E6m3/d.	Damola Daramola	EGAT
11	21	Turner Valley #2 - Unit Maintenance (4 days).	03/13/17	03/16/17	Potential IT/FT delivery restriction in the West Gate Delivery Area. Alberta B. C. Capability 59 E6m3/d. Typical Flow 57-64 E6m3/d.	Damola Daramola	WGAT

Area Definitions USJR

- Upstream James River Receipt Area: Groundbirch East, Gordondale, Big Eddy, January Creek, and Rat Creek West interconnects, and all receipt locations in Segments 1, 2, 3, 4, 5, 7, partial 8, partial 9, 24, 26, partial 28.
- East Gate Delivery Area: Empress, McNeill, Unity, Cold Lake, Aeco C, Warwick Southeast, Chancellor, Carbon, Severn Creek, and Crossfield interconnects, EGAT and all delivery locations in Segments 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, partial 21, 22, 23, partial 28.
  - NEDA North and East Delivery Area: Unity, Cold Lake, Warwick Southeast interconnects, and all delivery locations in Segments 10, 11, 12, 13, 14, 15, 16, 23, partial 28: • OSDA Oil Sands Delivery Area: Cold Lake interconnect, and all delivery locations in Segments 10, 11, 14.

West Gate Delivery Area: Alberta B.C. and Alberta Montana interconnects, and delivery locations in partial Segment 21.

WGAT Foothills Zone 8 FHBC

OUTAGE	SEG	OUTAGE DESCRIPTION	DA	TES	RECEIPT/DELIVERY IMPACT	CONTACT	AREA
#	#		START	FINISH			
12	14	NPS 10 Saddle Lake Lateral - Pipeline Maintenance (11 days). New	03/19/17	03/29/17	Potential IT/FT delivery restriction at Cold Lake Border meter station. Capability 1400 E3m3/d. Typical Flow 1200-1800 E3m3/d.	Brooke Penner (Dillabough)	Local
13	20	Jenner C/S - Station Maintenance (3 days).	03/21/17	03/23/17	Potential IT/FT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 122 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT
14	18	Red Deer C/S- Station Maintenance (3 days).	04/03/17	04/05/17	Potential IT/FT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 125 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT
15	8	Clearwater #1 - Unit Maintenance (4 days)	04/03/17	04/06/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 260 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
16	18	Crawling C/S - Station Maintenance (4 days).	04/10/17	04/13/17	Potential IT/FT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 123 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT
17	10	<b>NPS 24 Fort McKay Mainline</b> - Pipeline Maintenance (7 days).	04/13/17		IT/FT delivery restriction required for Aspen Sales, Wapasu Creek Sales, Kearl Sales and Firebag Sales meter stations. Capability = 8500 E3m3/d. Typical Flow 10000 to 13000 E3m3/d.	Rahim Ruda	Local
18	21	Burton Creek C/S - Station Maintenance (5 days). Dates Revised	04/17/17		Potential IT/FT delivery restriction in the West Gate Delivery Area. Alberta B. C. Capability 59 E6m3/d. Typical Flow 57-64 E6m3/d.	Damola Daramola	WGAT
19	8	Vetchland C/S - Station Maintenance (4 days).	04/18/17	04/21/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 260 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
20	22	NPS 24 South Lateral- Pipeline Maintenance (13 days).	04/18/17		Potential IT/FT delivery restriction in the West Gate Delivery Area. Alberta B. C. Capability 62 E6m3/d, Typical Flow 57-64 E6m3/d.	Damola Daramola	WGAT
21	10	NPS 30 Fort McKay Mainline - Pipeline Maintenance (7 days).	04/20/17		IT/FT delivery restriction required for Horizon Sales, Aurora Sales, Aurora # 2 Sales, Jackpine Creek Sales, Aspen Sales, Wapasu Creek Sales, Kearl Sales and Firebag Sales meter stations. Capability = 13000 E3m3/d. Typical Flow 15000 to 16000 E3m3/d.	Rahim Ruda	Local
22	4	<b>NPS 36 NWML Loop # 2 - Boundary Lake Section -</b> Pipeline Modifications (5 days).	04/24/17	11/1/28/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 258 E6m3/d. Typical Flow 230-265 e6m3/d.	Andrea Watters	USJR

Area Definitions USJR

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- East Gate Delivery Area: Empress, McNeill, Unity, Cold Lake, Aeco C, Warwick Southeast, Chancellor, Carbon, Severn Creek, and Crossfield interconnects, EGAT and all delivery locations in Segments 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, partial 21, 22, 23, partial 28.
  - NEDA North and East Delivery Area: Unity, Cold Lake, Warwick Southeast interconnects, and all delivery locations in Segments 10, 11, 12, 13, 14, 15, 16, 23, partial 28: • OSDA Oil Sands Delivery Area: Cold Lake interconnect, and all delivery locations in Segments 10, 11, 14.

West Gate Delivery Area: Alberta B.C. and Alberta Montana interconnects, and delivery locations in partial Segment 21.

WGAT FHBC Foothills Zone 8

OUTAGE	SEG	OUTAGE DESCRIPTION	DA	TES	RECEIPT/DELIVERY IMPACT	CONTACT	AREA
#	" #		START	FINISH			
23	21	Elko C/S - Station Maintenance (3 days). Dates Revised	04/25/17	04/27/17	Potential IT/FT receipt restriction on Foothills Zone 8. Capability 62 E6m3/d. Typical Flow 40 - 65 E6m3/d.	Damola Daramola	FHBC
24	15	<b>Dusty Lake, Gadsby A &amp; B C/S</b> - Station Maintenance (3 days).	05/01/17	05/03/17	Potential IT/FT delivery restriction in the North and East Delivery Area. Capability 70 E6m3/d. Typical Flow 70-80 E6m3/d.	Brooke Penner (Dillabough)	NEDA
25	16	<b>NPS 16 Leming Lake Sales Lateral</b> - Pipeline Modifications (6 days within window).	05/01/17	05/15/17	Potential IT/FT delivery restriction in the Oil Sands Delivery Area. Capability 72 E6m3/d. Typical Flow 60-70 E6m3/d. Potential IT/FT delivery restriction at Mahihkan and Tucker Lake Sales. Capability 7500 E3m3/d. Typical Flow 6000-8000 E3m3/d. Nil required at Jackfish Creek meter station. Typical Flow 30 E3m3/d	Brooke Penner (Dillabough)	OSDA Local
26	7	Berland River C/S - Station Maintenance (5 days).	05/08/17	05/12/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 253 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
27	21	<b>Moyie C/S</b> - Station Maintenance (5 days).	05/08/17	05/12/17	Potential IT/FT receipt restriction on Foothills Zone 8. Capability 60 E6m3/d. Typical Flow 40 - 65 E6m3/d.	Damola Daramola	FHBC
28	21	Turner Valley C/S - Station Maintenance (3 days).	05/09/17	05/11/17	Potential IT/FT delivery restriction in the West Gate Delivery Area. Alberta B. C. Capability 55 E6m3/d. Typical Flow 57-64 E6m3/d.	Damola Daramola	WGAT
29	19	NPS 34 Eastern Alberta System Mainline Loop & Central Alberta System Mainline- Pipeline Maintainance (10 days).	05/09/17	05/18/17	Potential IT/FT delivery restriction in the East Gate Delivery Area. Empress/McNeill Capability 125 E6m3/d.Typical Flow 125-135 E6m3/d.	Damola Daramola	EGAT
30	21	Turner Valley #1 - Unit Maintenance (4 days).	05/15/17	05/18/17	Potential IT/FT delivery restriction in the West Gate Delivery Area. Alberta B. C. Capability 59 E6m3/d. Typical Flow 57-64 E6m3/d.	Damola Daramola	WGAT
31	18	Hussar C/S - Station Maintenance (4 days).	05/16/17	05/19/17	Potential IT/FT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 122 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT
32	5	Fox Creek C/S - Station Maintenance (3 days).	05/23/17	05/25/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 260 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
33	11	Field Lake A & B C/S - Station Maintenance (2 days). Capability Revised	05/24/17	05/25/17	Potential IT/FT delivery restriction in the Oil Sands Delivery Area. Capability 72 E6m3/d. Typical Flow 60-70 E6m3/d.	Brooke Penner (Dillabough)	OSDA

Area Definitions USJR

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- East Gate Delivery Area: Empress, McNeill, Unity, Cold Lake, Aeco C, Warwick Southeast, Chancellor, Carbon, Severn Creek, and Crossfield interconnects, EGAT and all delivery locations in Segments 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, partial 21, 22, 23, partial 28.
  - NEDA North and East Delivery Area: Unity, Cold Lake, Warwick Southeast interconnects, and all delivery locations in Segments 10, 11, 12, 13, 14, 15, 16, 23, partial 28: • OSDA Oil Sands Delivery Area: Cold Lake interconnect, and all delivery locations in Segments 10, 11, 14.

West Gate Delivery Area: Alberta B.C. and Alberta Montana interconnects, and delivery locations in partial Segment 21.

WGAT Foothills Zone 8 FHBC

OUTAGE	SEG	OUTAGE DESCRIPTION	DA	TES	RECEIPT/DELIVERY IMPACT	CONTACT	AREA
#	#		START	FINISH			
34	7	Gold Creek C/S - Station Maintenance (7 days).	05/26/17	06/01/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 249 E6m3/d. Typical Flow 230-265 e6m3/d.	Andrea Watters	USJR
35	21	Crowsnest A C/S - Station Maintenance (3 days).	05/29/17	05/31/17	Potential IT/FT receipt restriction on Foothills Zone 8. Capability 60 E6m3/d. Typical Flow 40 - 65 E6m3/d.	Damola Daramola	FHBC
36	21	Crowsnest A & B C/S - Station Maintenance (2 days).	05/30/17	05/31/17	Potential IT/FT receipt restriction on Foothills Zone 8. Capability 53 E6m3/d. Typical Flow 40 - 65 E6m3/d.	Damola Daramola	FHBC
37	21	Crowsnest B C/S - Station Maintenance (1 day).	06/01/17	06/01/17	Potential IT/FT receipt restriction on Foothills Zone 8. Capability 61 E6m3/d. Typical Flow 40 - 65 E6m3/d.	Damola Daramola	FHBC
38	8	Wolf Lake C/S - Station Maintenance (5 days).	06/05/17	06/09/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 250 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
39	21	Winchell Lake C/S - Station Maintenance (5 days).	06/05/17	06/09/17	Potential IT/FT delivery restriction in the West Gate Delivery Area. Alberta B. C. Capability 54 E6m3/d. Typical Flow 57-64 E6m3/d.	Damola Daramola	WGAT
40	21	<b>NPS 42 Western Alberta System Mainline Loop -</b> Pipeline Maintenance (11 days).	06/06/17	06/16/17	Potential IT/FT delivery restriction in the West Gate Delivery Area. Alberta B. C. Capability 60 E6m3/d. Typical Flow 57-64 E6m3/d.	Damola Daramola	WGAT
41	21	<b>NPS 36 Foothills Zone 8 Segment 2 -</b> Pipeline Maintenance (5 days).	06/19/17	06/23/17	Potential IT/FT receipt restriction on Foothills Zone 8. Capability 58 E6m3/d. Typical Flow 40 - 65 E6m3/d.	Damola Daramola	FHBC
42	21	NPS 36 Western Alberta System Mainline - Pipeline Maintenance (10 days).	06/19/17	06/28/17	Potential IT/FT delivery restriction in the West Gate Delivery Area. Alberta B. C. Capability 56 E6m3/d, Typical Flow 57-64 E6m3/d.	Damola Daramola	WGAT
43	8	<b>NPS 42 Edson M/L Loop (Edson to Clearwater)</b> - Pipeline Maintenance (11 days).	06/19/17	06/29/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 240 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
44	20	<b>NPS 8 Vale East Lateral</b> - Pipeline Modifications (6 days within window).	06/23/17	07/07/17	Nil required at Vale East meter station. Typical Flow 330 E3m3/d.	Rahim Ruda	Local

Area Definitions USJR

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- East Gate Delivery Area: Empress, McNeill, Unity, Cold Lake, Aeco C, Warwick Southeast, Chancellor, Carbon, Severn Creek, and Crossfield interconnects, EGAT and all delivery locations in Segments 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, partial 21, 22, 23, partial 28.
  - NEDA North and East Delivery Area: Unity, Cold Lake, Warwick Southeast interconnects, and all delivery locations in Segments 10, 11, 12, 13, 14, 15, 16, 23, partial 28: • OSDA Oil Sands Delivery Area: Cold Lake interconnect, and all delivery locations in Segments 10, 11, 14.

West Gate Delivery Area: Alberta B.C. and Alberta Montana interconnects, and delivery locations in partial Segment 21.

WGAT Foothills Zone 8 FHBC

OUTAGE	SEG	OUTAGE DESCRIPTION	DA	TES	RECEIPT/DELIVERY IMPACT	CONTACT	AREA
#	#		START	FINISH			
45	20	<b>NPS 10 Vale Lateral</b> - Pipeline Modifications (6 days within window).	06/23/17	07/07/17	Nils required at Vale and Vale East meter stations. Typical Fow 500 E3m3/d.	Rahim Ruda	Local
46	21	<b>NPS 36 Foothills Zone 8 Segment 3 -</b> Pipeline Maintenance (5 days).	06/25/17	06/29/17	Potential IT/FT receipt restriction on Foothills Zone 8. Capability 64 E6m3/d. Typical Flow 40 - 65 E6m3/d.	Damola Daramola	FHBC
47	12	Hanmore Lake B & C C/S - Station Maintenance (4 days). Capability Revised	07/04/17	07/07/17	Potential IT/FT delivery restriction in the Oil Sands Delivery Area. Capability 76 E6m3/d. Typical Flow 60-70 E6m3/d.	Brooke Penner (Dillabough)	OSDA
48	8	Clearwater C/S - Station Maintenance (2 days).	07/04/17	07/05/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 254 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
49	18	Acme C/S - Station Maintenance (5 days).	07/10/17	07/14/17	Potential IT/FT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 124 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT
50	19	NPS 42 Eastern Alberta System Mainline Loop #3- Pipeline Maintenance (9 days).	07/18/17	07/26/17	Potential IT/FT delivery restriction in the East Gate Delivery Area. Empress/McNeill Capability 125 E6m3/d.Typical Flow 125-135 E6m3/d.	Damola Daramola	EGAT
51	18	Schrader Creek West #2 - Unit Maintenance (5 days).	07/24/17	07/28/17	Potential IT/FT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 126 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT
52	21	NPS 36 Foothills Zone 7 - Pipeline Maintenance (8 days).	07/24/17	07/31/17	Potential IT/FT delivery restriction in the West Gate Delivery Area. Alberta B. C. Capability 58 E6m3/d, Typical flow 57-64 E6m3/d.	Damola Daramola	WGAT
53	19	NPS 36 Eastern Alberta System Mainline Loop #2- Pipeline Maintenance (5 days).	07/31/17	08/04/17	Potential IT/FT delivery restriction in the East Gate Delivery Area. Empress/McNeill Capability 124 E6m3/d.Typical Flow 125-135 E6m3/d.	Damola Daramola	EGAT
54	12	Hanmore Lake B & C C/S - Station Maintenance (4 days). Dates & Capability Revised	08/01/17	08/04/17	Potential IT/FT delivery restriction in the Oil Sands Delivery Area. Capability 76 E6m3/d. Typical Flow 60-70 E6m3/d.	Brooke Penner (Dillabough)	OSDA
55	17	<b>NPS 12 Ghostpine Lateral</b> - Pipeline Modifications (6 days within window).	08/01/17	08/15/17	Nils required at Carbon West & Gatine meter stations. Typical Flow 600 E3m3/d.	Rahim Ruda	Local

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  - NEDA North and East Delivery Area: Unity, Cold Lake, Warwick Southeast interconnects, and all delivery locations in Segments 10, 11, 12, 13, 14, 15, 16, 23, partial 28: • OSDA Oil Sands Delivery Area: Cold Lake interconnect, and all delivery locations in Segments 10, 11, 14.

West Gate Delivery Area: Alberta B.C. and Alberta Montana interconnects, and delivery locations in partial Segment 21.

WGAT Foothills Zone 8 FHBC

OUTAGE	SEG	OUTAGE DESCRIPTION	DATES		RECEIPT/DELIVERY IMPACT	CONTACT	AREA
#	#		START	FINISH			
56	7	<b>NPS 36 Grande Prairie Mainline Loop</b> - Pipeline Modifications (6 days within window). <b>New</b>	08/01/17	08/11/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 240 E6m3/d. Typical Flow 230-265 e6m3/d.	Andrea Watters	USJR
57	7	<b>NPS 42 Grande Prairie Mainline Loop</b> - Pipeline Modifications (6 days within window). <b>New</b>	08/01/17	08/11/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 240 E6m3/d. Typical Flow 230-265 e6m3/d.	Andrea Watters	USJR Local
58	18	Schrader Creek East & West C/S - Station Maintenance (3 days).	08/08/17	08/10/17	Potential IT/FT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 124 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT
59	21	<b>NPS 36 Foothills Zone 8 Segment 4 -</b> Pipeline Maintenance (6 days).	08/09/17	08/14/17	Potential IT/FT receipt restriction on Foothills Zone 8. Capability 63 E6m3/d. Typical Flow 40 - 65 E6m3/d.	Damola Daramola	FHBC
60	19	<b>NPS 42 Foothills Pipeline Zone 9</b> - Pipeline Maintainance (9 days).	08/09/17	08/17/17	Potential IT/FT receipt restriction on Foothills Zone 9. Capability 35-50 E6m3/d. Typical Flow 40-45 E6m3/d.	Damola Daramola	FHSK
61	7	<b>NPS 42 Grande Prairie Mainline Loop -</b> Pipeline Modifications (10 days). <b>New</b>	08/12/17	08/21/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 210 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
62	7	NPS 36/42 Grande Prairie Mainline Loop - Pipeline Modifications (6 days within window). New	08/12/17		Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 210 E6m3/d. Typical Flow 230-265 e6m3/d. Will be aligned with NPS 42 Grande Prairie Mainline Loop (Outage 61).	Chris Pho	USJR
63	7	<b>NPS 36 Grande Prairie Mainline Loop</b> - Pipeline Modifications (6 days within window). <b>New</b>	08/12/17	08/21/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 220 E6m3/d. Typical Flow 230-265 e6m3/d. Will be aligned NPS 42 Grande Prairie Mainline Loop (Outage 61).	Chris Pho	USJR
64	8	Swartz Creek C/S - Station Maintenance (5 days).	08/14/17	08/18/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 250 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
65	21	<b>Drywood C/S</b> - Station Maintenance (5 days).	08/14/17	08/18/17	Potential IT/FT delivery restriction at Alberta Montana Border. Capability 2500 E3m3/d. Typical flow 1500- 2500 E3m3/d.	Damola Daramola	Local
66	21	NPS 42 Western Alberta System Mainline - Pipeline Maintenance (9 days).	08/15/17	08/23/17	Potential IT/FT delivery restriction in the West Gate Delivery Area. Alberta B. C. Capability 58 E6m3/d, Typical flow 57-64 E6m3/d.	Damola Daramola	WGAT

Area Definitions USJR

- Upstream James River Receipt Area: Groundbirch East, Gordondale, Big Eddy, January Creek, and Rat Creek West interconnects, and all receipt locations in Segments 1, 2, 3, 4, 5, 7, partial 8, partial 9, 24, 26, partial 28.
- East Gate Delivery Area: Empress, McNeill, Unity, Cold Lake, Aeco C, Warwick Southeast, Chancellor, Carbon, Severn Creek, and Crossfield interconnects, EGAT and all delivery locations in Segments 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, partial 21, 22, 23, partial 28.
  - NEDA North and East Delivery Area: Unity, Cold Lake, Warwick Southeast interconnects, and all delivery locations in Segments 10, 11, 12, 13, 14, 15, 16, 23, partial 28: • OSDA Oil Sands Delivery Area: Cold Lake interconnect, and all delivery locations in Segments 10, 11, 14.

West Gate Delivery Area: Alberta B.C. and Alberta Montana interconnects, and delivery locations in partial Segment 21.

WGAT Foothills Zone 8 FHBC

OUTAGE	SEG	OUTAGE DESCRIPTION	DATES		RECEIPT/DELIVERY IMPACT	CONTACT	AREA
# 67	# 20	NPS 8 Dorothy Lateral and NPS10 Cessford-Burfield Lateral - Pipeline Modifications (6 days within window).	START 09/01/17	FINISH 09/15/17	Nils required at Dorothy, Lone Butte, Cessford Burfield West, Cessford Burfield West #2, Bullpound, Cessford North meter stations. Typical Flow 600 E3m3/d.	Rahim Ruda	Local
68	5	Knight C/S - Station Maintenance (3 days).	09/05/17	09/07/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 252 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
69	19	NPS 42 Foothills Zone 6 Alberta- Pipeline Maintenance (9 days). Dates Revised	09/07/17	09/15/17	Potential IT/FT delivery restrictionin the East Gate Delivery Area. Empress/McNeill Capability 124 E6m3/d.Typical Flow 125-135 E6m3/d.	Damola Daramola	EGAT
70	7	Latornell C/S - Station Maintenance (7 days). Dates Revised	09/18/17	09/24/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 255 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
71	8	<b>Nordegg C/S</b> - Station Maintenance (19 days).	10/02/17	10/20/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 254 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
72	6	Paul Lake B2 C/S - Station Maintenance (14 days). Dates Revised	10/16/17	10/29/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 257 E6m3/d. Typical Flow 230-265 E6m3/d. Potential IT/FT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 119 E6m3/d. Typical Flow 125-135 e6m3/d.	Brooke Penner (Dillabough)	USJR EGAT
73	18	Beiseker C/S - Station Maintenance (2 days).	10/24/17	10/25/17	Potential IT/FT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 124 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT
74	18	Schrader Creek East #1 - Unit Maintenance (4 days).	10/30/17	11/02/17	Potential IT/FT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 126 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT
75	8	<b>Clearwater #5</b> - Unit Modifications (40 days).	10/30/17	12/08/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 262 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR