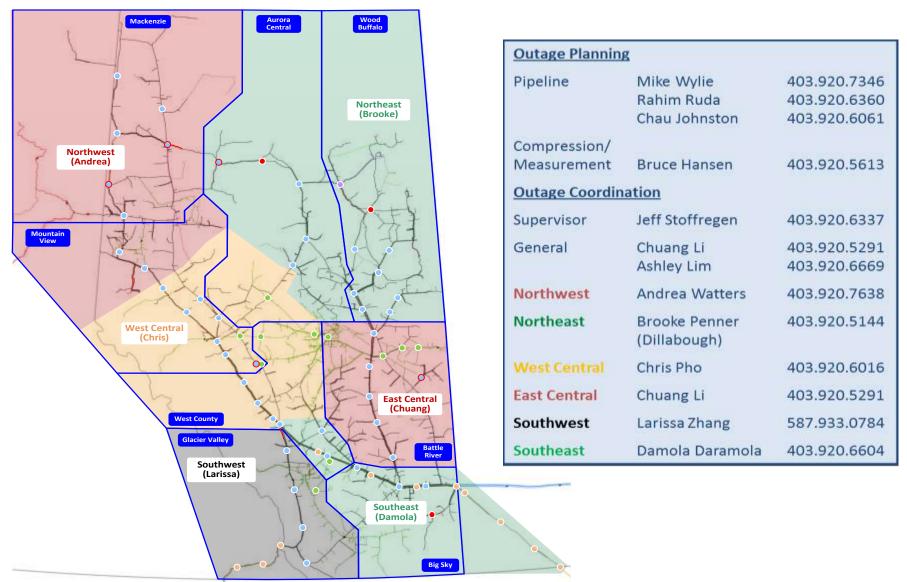


NGTL System & Foothills Pipeline Monthly Outage Forecast March 2017



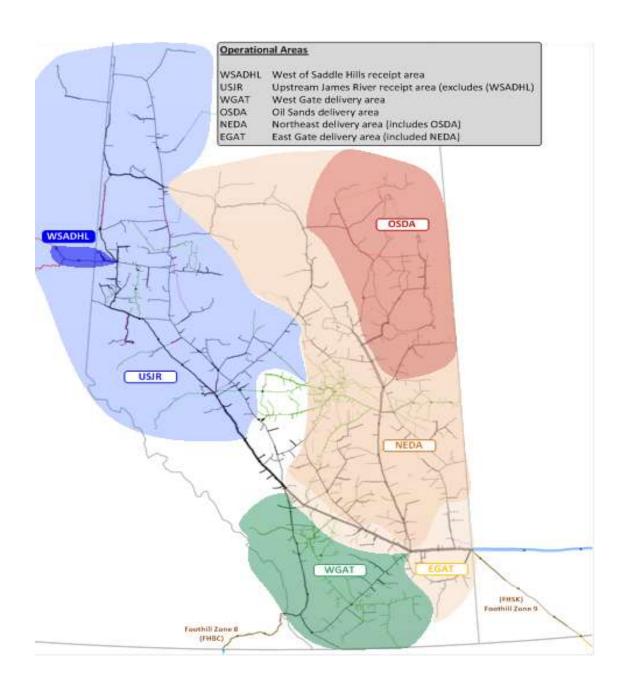
# **March Monthly Outage Forecast**

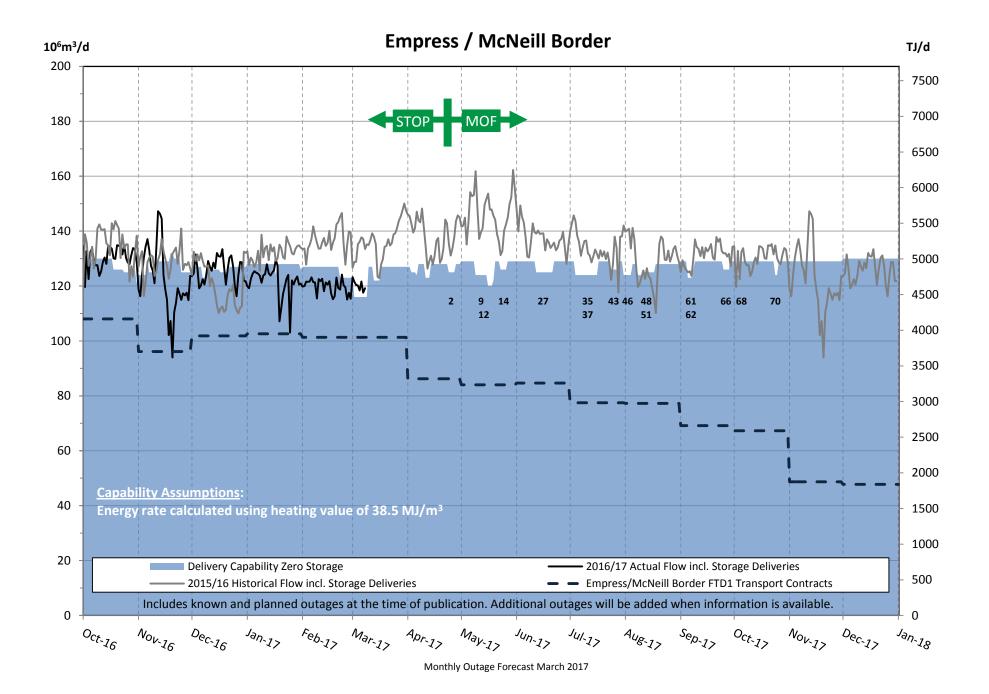
The Monthly Outage Forecast is a tool provided by TransCanada to show the estimated operational capability. This information is provided for informational purposes only and is not to be relied upon for any other purpose whatsoever. The information is based upon certain assumptions that may or may not 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.

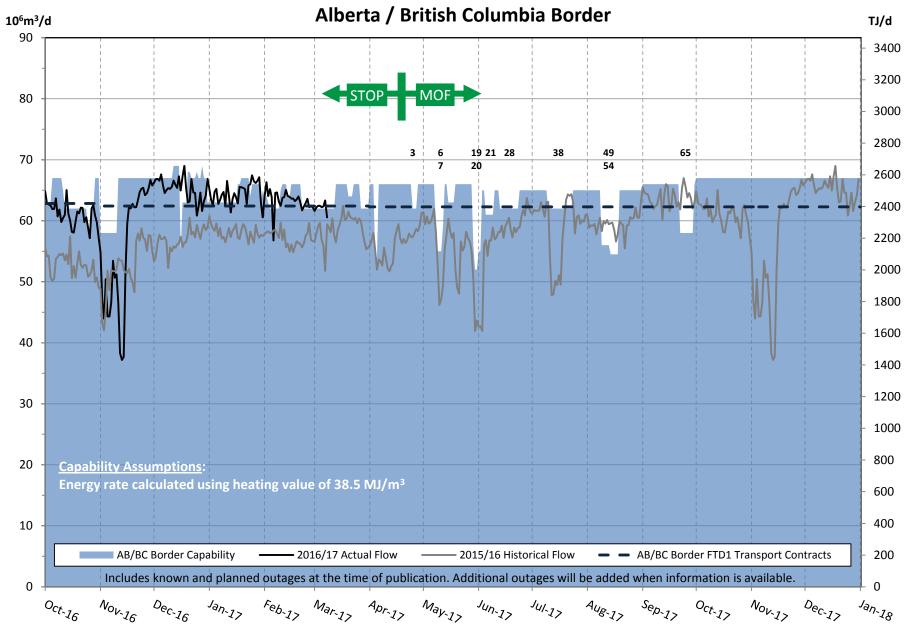


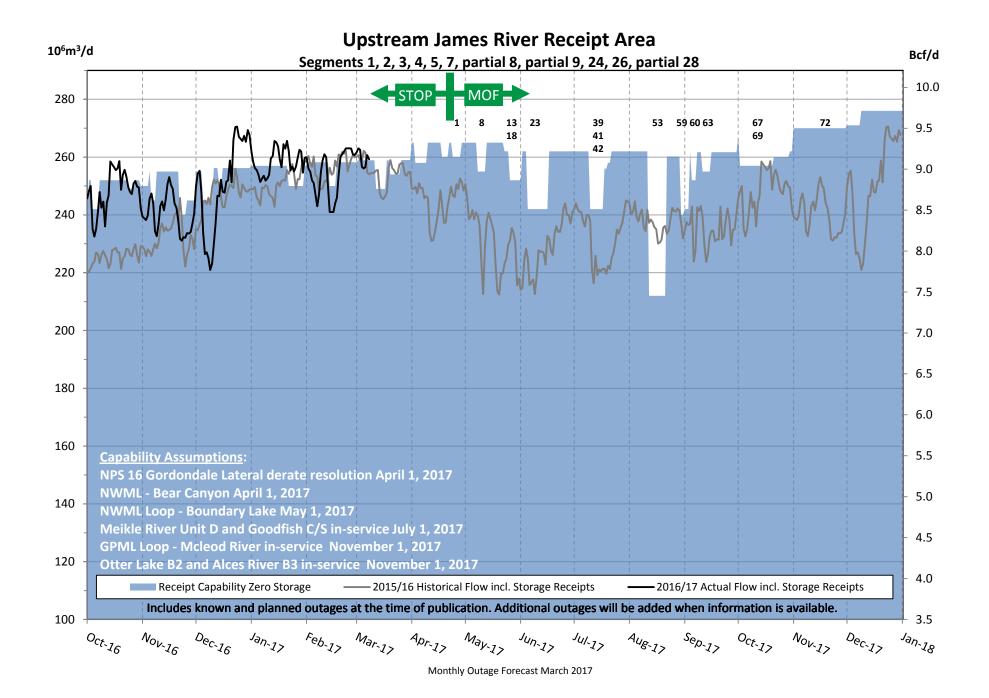
For NGTL System Facilities Segment codes please view link below

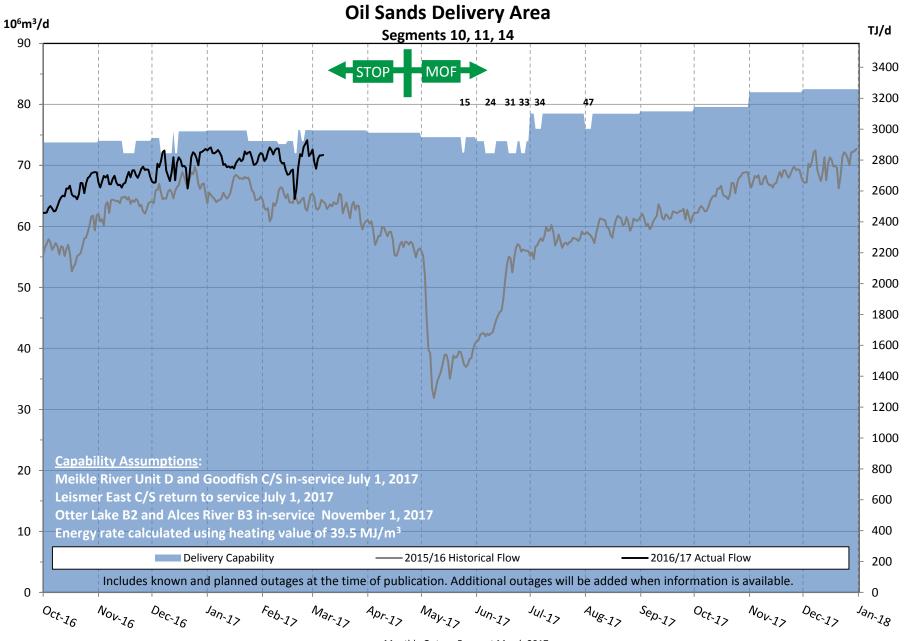
http://www.transcanada.com/customerexpress/docs/fh system maps/AB System Map 2015 Segments Rev18.pdf











#### **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.

East Gate Delivery Area: Empress, McNeill, Unity, Cold Lake, Aeco C, Warwick Southeast, Chancellor, Carbon, Severn Creek, and Crossfield interconnects,

and all delivery locations in Segments 6, 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 6, 10, 11, 12, 13, 14, 15, 16, 17, 23, partial 28:

• OSDA Oil Sands Delivery Area: Cold Lake interconnect, and all delivery locations in Segments 10, 11, 14.

WGAT West Gate Delivery Area: Alberta B.C. and Alberta Montana interconnects, and delivery locations in partial Segment 21 and Segment 22.

OUTAGE	SEG	OUTAGE DESCRIPTION	DA	TES	RECEIPT/DELIVERY IMPACT	CONTACT	AREA
#	#		START	FINISH			
1	4	NPS 36 NWML Loop # 2 - Boundary Lake Section - Pipeline Modifications (5 days).	04/24/17	04/28/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 260 E6m3/d. Typical Flow 230-265 e6m3/d.	Andrea Watters	USJR
2	18	Princess B #6 - Station Maintenance (4 days).	04/24/17	04/27/17	Potential IT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 125 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT
3	21	Elko C/S - Station Maintenance (3 days).	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.	Larissa Zhang	FHBC
4	15	Dusty Lake, Gadsby A & B C/S - Station Maintenance (3 days).	05/01/17	05/03/17	Potential IT/FT delivery restriction in the North and East Delivery Area. Capability 90 E6m3/d. Typical Flow 60-100 E6m3/d.	Chuang Li	NEDA
5	10	NPS 24 Fort McKay Mainline - Pipeline Maintenance (4 days).	05/03/17	05/06/17	FT delivery restriction at Aspen Sales, Wapasu Creek Sales, Kearl Sales and Firebag Sales meter stations. Capability = 8500 E3m3/d. Typical Flow 10000 to 13000 E3m3/d.	Brooke Penner (Dillabough)	Local
6	21	Moyie C/S - Station Maintenance (5 days).	05/08/17	05/12/17	Potential IT/FT receipt restriction on Foothills Zone 8. Capability 59 E6m3/d. Typical Flow 40 - 65 E6m3/d.	Larissa Zhang	FHBC
7	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.	Larissa Zhang	WGAT
8	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 255 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
9	19	NPS 34 Eastern Alberta System Mainline Loop & Central Alberta System Mainline- Pipeline Maintenance (10 days).	05/09/17	05/18/17	Potential IT delivery restriction in the East Gate Delivery Area. Empress/McNeill Capability 124 E6m3/d.Typical Flow 125-135 E6m3/d.	Damola Daramola	EGAT
10	16	NPS 18 East Lateral - Pipeline Maintenance (5 days).  Dates Revised	05/10/17	05/17/17	FT delivery restriction at Unity Border meter station. Capability 1800 e3m3/d. Typical Flow 2900 e3m3/d.	Chris Pho	Local
11	5	NPS 20 Kaybob Lateral - Pipeline Maintenance (1 day). New	05/11/17	05/11/17	FT receipt restriction at Chickadee Creek West, Clark Lake, Kaybob, Two Creeks, Two Creeks East meter stations. Capability 1300 E3m3/d. Typical 2600 E3m3/d.	Chris Pho	Local

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OUTAGE	SEG	OUTAGE DESCRIPTION	DA	TES	RECEIPT/DELIVERY IMPACT	CONTACT	AREA
#	#		START	FINISH			
12	18	Hussar C/S - Station Maintenance (4 days).	05/16/17	05/19/17	Potential IT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 122 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT
13	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 262 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
14	18	Schrader Creek East #3 - Unit Maintenance (4 days).	05/23/17	05/26/17	Potential IT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 126 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT
15	11	Field Lake A & B C/S - Station Maintenance (2 days).	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
16	20	NPS 10 Etzikom Lateral - Pipeline Maintenance (8 days).	05/25/17	06/01/17	Nils required at South Saskatchewan River, Bullshead, Murray Lake, Etzikom A, Etzikom B, and Etzikom D meter stations. Typical Flow 350 E3m3/d.	Damola Daramola	Local
17	7	NPS 16 Demmitt Lateral - Pipeline Maintenance (6 days).	05/26/17	05/31/17	Potential IT/FT receipt restriction to Demmitt, Demmitt # 2, Brainard Lake, Goodfare. Capability 13 E6m3/d. Typical Flow 13-15 E6m3/d	Andrea Watters	Local
18	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 252 E6m3/d. Typical Flow 230-265 e6m3/d.	Andrea Watters	USJR
19	21	Winchell Lake C/S - Station Maintenance (5 days).	05/29/17	06/02/17	Potential IT/FT delivery restriction in the West Gate Delivery Area. Alberta B. C. Capability 56 E6m3/d. Typical Flow 57-64 E6m3/d.	Larissa Zhang	WGAT
20	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 52 E6m3/d. Typical Flow 40 - 65 E6m3/d.	Larissa Zhang	FHBC
21	21	Burton Creek 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 61 E6m3/d. Typical Flow 57-64 E6m3/d.	Larissa Zhang	WGAT
22	15	NPS 16 North Lateral Extension - Pipeline Maintenance (9 days).	06/05/17	06/13/17	Potential IT/FT delivery restriction in in the North and East Delivery Area. Capability 95 E6m3/d. Typical flow 60-100 E6m3/d.	Chuang Li	NEDA

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OUTAGE	SEG	OUTAGE DESCRIPTION	DA	TES	RECEIPT/DELIVERY IMPACT	CONTACT	AREA
#	#		START	FINISH			
23	8	NPS 42 Edson M/L Loop (Edson to Clearwater) - Pipeline Maintenance (11 days). Dates and Capacity Revised	06/05/17	06/16/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 242 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
	8	Wolf Lake C/S - Station Maintenance (5 days).	06/05/17	06/09/17	No expected additional impact due to alignment with NPS 42 Edson M/L Loop (Outage 23).	Chris Pho	USJR
24	16	NPS 16 Leming Lake Sales Lateral - Pipeline Modifications (6 days).	06/06/17	06/11/17	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
25	13	NPS 10 Redwater Lateral - Pipeline Modifications (6 days within window). Dates Revised	06/07/17	06/12/17	Nils required at Big Bend, Lawrence Lake North and Dancing Lake meter stations. Typical Flow 150 E3m3/d.	Chuang Li	Local
26	23	Wainwright C/S - Station Maintenance (3 days). New	06/12/17	06/14/17	Nils required at Wainwright South, Wainwright East, Edgerton West, Estridge Lake, Chauvin, Rivercourse, Paradise Valley, Batter Lake West, Baxter Lake, Baxter Lake B, Baxter Lake NW, and Gilt Edge West meter stations. Typical Flow 430 e6m3/d.	Chuang Li	Local
27	18	Hussar B #8 - Unit Maintenance (10 days). New	06/12/17	06/21/17	Potential IT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 125 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT
28	21	NPS 42 Western Alberta System Mainline Loop - Pipeline Maintenance (11 days). Dates Revised	06/13/17	06/23/17	Potential IT/FT delivery restriction in the West Gate Delivery Area. Alberta B. C. Capability 62 E6m3/d. Typical Flow 57-64 E6m3/d.	Larissa Zhang	WGAT
29	8	NPS 8 Ferrier South Lateral - Pipeline Maintenance (10 days). New	06/13/17	06/22/17	FT receipt restriction at Ferrier South B. Capability 250 e3m3/d. Typical Flow 600 e3m3/d.	Chris Pho	Local
30	15	NPS 6 Sullivan Lateral- Pipeline Modifications (6 days).  Dates Revised	06/22/17	06/27/17	Nils required at Bloor Lake and Sullivan meter stations. Typical Flow 200 E3m3/d.	Rahim Ruda	Local
31	11	Behan C/S - Station Maintenance (5 days).	06/19/17	06/23/17	Potential IT/FT delivery restriction in Segments 11 & 14. Capability 38 E6m3/d. Typical Flow 30-40 E6m3/d.	Brooke Penner (Dillabough)	OSDA
32	20	NPS 8 Vale East Lateral and NPS 10 Vale Lateral - Pipeline Modifications (8 days).	06/19/17	06/27/17	Nils required at Vale and Vale East meter stations. Typical Fow 500 E3m3/d.	Rahim Ruda	Local

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OUTAGE	SEG	OUTAGE DESCRIPTION	DA	TES	RECEIPT/DELIVERY IMPACT	CONTACT	AREA
#	#		START	FINISH			
33	11	Behan C/S - Station Maintenance (3 days).	06/26/17	06/28/17	Potential IT/FT delivery restriction in Segments 11 & 14. Capability 38 E6m3/d. Typical Flow 30-40 E6m3/d.	Brooke Penner (Dillabough)	OSDA
34	12	Hanmore Lake B & C C/S - Station Maintenance (4 days).	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
35	18	Acme C/S - Station Maintenance (11 days).	07/04/17	07/14/17	Potential IT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 124 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT
36	16	NPS 14 Flat Lake Lateral - Pipeline Modifications (4 days). New	07/05/17	07/08/17	IT/FT restriction at Unity border. Capability 2150 e3m3/d. Typical Flow 3000 e3m3/d. Nils required at Hattie Lake North and Killam meter stations. Typical Flow 110 E3m3/d.	Chuang Li	Local
37	19	NPS 42 Foothills Zone 6 Alberta- Pipeline Maintenance (12 days).	07/05/17	07/16/17	Potential IT delivery restriction in the East Gate Delivery Area. Empress/McNeill Capability 124 E6m3/d.Typical Flow 125-135 E6m3/d.	Damola Daramola	EGAT
38	22	NPS 24 South Lateral- Pipeline Maintenance (15 days).  Dates Revised	07/10/17	07/23/17	Potential IT/FT delivery restriction in the West Gate Delivery Area. Alberta B. C. Capability 62 E6m3/d. Typical Flow 57-64 E6m3/d.	Larissa Zhang	WGAT
39	7	NPS 42 Grande Prairie Mainline Loop - Pipeline Modifications (8 days). Dates and Capacity Revised	07/10/17	07/17/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 242 E6m3/d. Typical Flow 230-265 e6m3/d. Nil required at Gold Creek South meter station. Typical Flow 1300 E3m3/d,	Chris Pho	USJR Local
40	17	NPS 12 Ghostpine Lateral - Pipeline Modifications (7 days). Dates Revised	07/12/17	07/18/17	Nils required at Carbon West and Gatine meter stations. Typical Flow 600 E3m3/d.	Rahim Ruda	Local
41	8	Clearwater #1 - Unit Maintenance (5 days).	07/17/17	07/21/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 258 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
42	8	Clearwater C/S - Station Maintenance (2 days).	07/18/17	07/19/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 256 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
43	18	Schrader Creek West #2 - Unit Maintenance (5 days).	07/24/17	07/28/17	Potential IT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 126 E6m3/d. Typical Flow 125-135 e6m3/d.	Larissa Zhang	EGAT

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OUTAGE	SEG	OUTAGE DESCRIPTION	DA	TES	RECEIPT/DELIVERY IMPACT	CONTACT	AREA
#	#		START	FINISH			
44	16	NPS 6 Killam Lateral - Pipeline Modifications (6 days).  Dates Revised	07/25/17	07/30/17	Nil required at Killam meter station. Typical Flow 100 E3m3/d.	Rahim Ruda	Local
45	24	NPS 10 Greencourt Lateral - Pipeline Maintenance (17 days). New	07/25/17	08/10/17	Nil required at Greencourt meter station. Typical Flow 15 E3m3/d. Nil required at Greencourt West Sales meter station. Typical Flow 5 E3m3/d	Chris Pho	Local
46	19	NPS 36 Eastern Alberta System Mainline Loop #2 - Pipeline Maintenance (5 days).	07/31/17	08/04/17	Potential IT delivery restriction in the East Gate Delivery Area. Empress/McNeill Capability 124 E6m3/d.Typical Flow 125-135 E6m3/d.	Damola Daramola	EGAT
47	12	Hanmore Lake B & C C/S - Station Maintenance (4 days).	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
48	18	Schrader Creek East & West C/S - Station Maintenance (3 days).	08/08/17	08/10/17	Potential IT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 124 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT
49	21	NPS 36 Western Alberta System Mainline - Pipeline Maintenance (10 days). Dates Revised	08/09/17	08/18/17	Potential IT/FT delivery restriction in the West Gate Delivery Area. Alberta B. C. Capability 56 E6m3/d. Typical Flow 57-64 E6m3/d.	Larissa Zhang	WGAT
50	21	NPS 12 Burnt Timber Lateral - Pipeline Modifications (6 days). Dates Revised	08/09/17	08/14/17	Nil required at Burnt Timber Sales meter station. Typical Flow 100 E3m3/d.	Rahim Ruda	Local
51	19	NPS 42 Eastern Alberta System Mainline Loop #3 - Pipeline Maintenance (9 days).	08/09/17	08/17/17	Potential IT delivery restriction in the East Gate Delivery Area. Empress/McNeill Capability 125 E6m3/d. Typical Flow 125-135 E6m3/d.	Damola Daramola	EGAT
52	19	NPS 42 Foothills Pipeline Zone 9 - Pipeline Maintenance (11 days). Dates and Capacity Revised	08/09/17	08/19/17	Potential IT/FT receipt restriction on Foothills Zone 9. Capability 28-40 E6m3/d. Typical Flow 40-45 E6m3/d.	Damola Daramola	FHSK
53	7	NPS 48 Edson Mainline Loop 3 - Pipeline Modifications (10 days). Capacity Revised	08/12/17	08/21/17	FT receipt restriction in Segments 1, 2, 3, 4, 5, 7, 24, 26, partial 8 (upstream of Vetchland C/S), partial 9 (upstream of Schrader Creek C/S), and partial 28. Capability 212 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
	7	NPS 36/42 Grande Prairie Mainline Loop - Pipeline Modifications (6 days within window).	08/12/17	08/21/17	No expected additional impact due to alignment with NPS 48 Edson Mainline Loop 3 (Outage 53).	Andrea Watters	USJR

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Foothills Zone 8 **FHBC** Foothills Zone 9 **FHSK** 

OUTAGE	SEG	OUTAGE DESCRIPTION	DA	TES	RECEIPT/DELIVERY IMPACT	CONTACT	AREA
#	#		START	FINISH			
	7	NPS 36 Grande Prairie Mainline Loop - Pipeline Modifications (6 days within window).	08/12/17	08/21/17	No expected additional impact due to alignment with NPS 48 Edson Mainline Loop 3 (Outage 53).	Andrea Watters	USJR
	8	Swartz Creek C/S - Station Maintenance (5 days).	08/14/17	08/18/17	No expected additional impact due to alignment with NPS 48 Edson Mainline Loop 3 (Outage 53).	Chris Pho	USJR
	7	Latornell C/S - Station Maintenance (7 days).	08/14/17	08/20/17	No expected additional impact due to alignment with NPS 48 Edson Mainline Loop 3 (Outage 53).	Chris Pho	USJR
54	21	Drywood C/S - Station Maintenance (5 days). Area of Impact Revised	08/14/17	08/18/17	Potential IT/FT delivery restriction in the West Gate Delivery Area. Alberta B. C. Capability 63 E6m3/d. Typical Flow 57-64 E6m3/d.	Larissa Zhang	WGAT
55	20	NPS 8 Dorothy Lateral and NPS10 Cessford-Burfield Lateral - Pipeline Modifications (8 days).	08/21/17	08/28/17	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
56	15	NPS 24/30 North Lateral Extension Loop 2 - Pipeline Maintenance (9 days).	08/21/17	08/29/17	Potential IT/FT delivery restriction in the North and East Delivery Area. Capability 80 E6m3/d. Typical flow 60-100 E6m3/d.	Chuang Li	NEDA
57	19	NPS 42 Foothills Pipeline Zone 9 - Pipeline Maintenance (7 days). Capacity Revised	08/22/17	08/28/17	Potential IT/FT receipt restriction on Foothills Zone 9. Capability 28-40 E6m3/d. Typical Flow 40-45 E6m3/d.	Damola Daramola	FHSK
58	5	NPS 12 Bigstone Lateral - Pipeline Maintenance (6 days).	08/23/17	08/28/17	Nil required at Grizzly meter station. Typical Flow 85 E3m3/d	Chris Pho	Local
59	7	NPS 36 Grande Prairie Mainline Loop - Pipeline Modifications (5 days). Dates Revised	08/30/17	09/03/17	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
60	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
61	18	Beiseker #1 - Station Maintenance (4 days).	09/05/17	09/08/17	Potential IT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 126 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT

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East Gate Delivery Area: Empress, McNeill, Unity, Cold Lake, Aeco C, Warwick Southeast, Chancellor, Carbon, Severn Creek, and Crossfield interconnects,

and all delivery locations in Segments 6, 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 6, 10, 11, 12, 13, 14, 15, 16, 17, 23, partial 28:

• OSDA Oil Sands Delivery Area: Cold Lake interconnect, and all delivery locations in Segments 10, 11, 14.

WGAT West Gate Delivery Area: Alberta B.C. and Alberta Montana interconnects, and delivery locations in partial Segment 21 and Segment 22.

OUTAGE	SEG	OUTAGE DESCRIPTION	DA	TES	RECEIPT/DELIVERY IMPACT	CONTACT	AREA
#	#		START	FINISH			
62	19	Jenner C/S - Station Maintenance (3 days). New	09/05/17	09/07/17	Potential IT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 123 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT
63	6	Woodenhouse A1 & B2 C/S - Station Maintenance (5 days).	09/11/17	09/15/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 255 E6m3/d. Typical Flow 230-265 e6m3/d.  Potential IT/FT delivery restriction in the North and East Delivery Area. Capability 93 E6m3/d. Typical Flow 60-100 E6m3/d.	Brooke Penner (Dillabough)	USJR NEDA
64	7	NPS 42 Grande Prairie Mainline Loop - Pipeline Modifications (12 days).	09/20/17	10/01/17	Nil required at Mayberne #2 meter station. Typical Flow 550 E3m3/d.	Chris Pho	Local
65	21	NPS 36 Foothills Zone 7 - Pipeline Maintenance (8 days).  Dates and Duration Revised	09/22/17	09/29/17	Potential IT/FT delivery restriction in the West Gate Delivery Area. Alberta B. C. Capability 58 E6m3/d, Typical flow 57-64 E6m3/d.	Larissa Zhang	WGAT
66	18	Beiseker #2 - Station Maintenance (4 days).	09/25/17	09/28/17	Potential IT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 126 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT
67	8	Nordegg C/S - Station Maintenance (19 days).	10/02/17	10/20/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 257 E6m3/d. Typical Flow 230-265 e6m3/d.	Chris Pho	USJR
68	18	Crawling C/S - Station Maintenance (3 days). New	10/02/17	10/04/17	Potential IT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 124 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT
69	6	Paul Lake B2 C/S - Station Maintenance (14 days). Capacity Revised	10/16/17	10/29/17	Potential IT/FT receipt restriction in the Upstream James River Receipt Area. Capability 260 E6m3/d. Typical Flow 230-265 E6m3/d.  Potential IT/FT delivery restriction in the North and East Delivery Area. Capability 95 E6m3/d. Typical Flow 60-100 E6m3/d.	Brooke Penner (Dillabough)	USJR NEDA
70	18	Beiseker C/S - Station Maintenance (2 days).	10/24/17	10/25/17	Potential IT delivery restriction in the East Gate Delivery Area. Empress/McNeill delivery Capability 124 E6m3/d. Typical Flow 125-135 e6m3/d.	Damola Daramola	EGAT
71	23	NPS 8 Wainwright East Lateral- Pipeline Modifications (7 days). Dates and Duration Revised	10/24/17	10/30/17	Nil required at Wainwright East meter station. Typical Flow 35 E3m3/d.	Rahim Ruda	Local
72	8	Clearwater #5 - 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

#### **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.

T East Gate Delivery Area: Empress, McNeill, Unity, Cold Lake, Aeco C, Warwick Southeast, Chancellor, Carbon, Severn Creek, and Crossfield interconnects,

and all delivery locations in Segments 6, 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 6, 10, 11, 12, 13, 14, 15, 16, 17, 23, partial 28:

• OSDA Oil Sands Delivery Area: Cold Lake interconnect, and all delivery locations in Segments 10, 11, 14.

WGAT West Gate Delivery Area: Alberta B.C. and Alberta Montana interconnects, and delivery locations in partial Segment 21 and Segment 22.

OUTAGE	SEG	OUTAGE DESCRIPTION	DATES		RECEIPT/DELIVERY IMPACT	CONTACT	AREA
#	#		START	FINISH			
73	12	NPS 10 Hairy Hills Lateral - Pipeline Modifications (7 days). New	11/01/17	11/06/17	Nil required at Hairy Hill meter station. Typical Flow 55 E3m3/d.	Rahim Ruda	Local
74	16	NPS 8 Kessler Lateral - Pipeline Modifications (6 days).	11/20/17	11/25/17	Nils required at Provost Kessler and Provost West meter stations. Typical Flow 130 E3m3/d.	Rahim Ruda	Local
75	19	NPS 10 Iddesleigh South Lateral - Pipeline Modifications (4 days). New	12/04/17	12/07/17	Nil required at Iddesleigh South meter station. Typical Flow 115 E3m3/d.	Rahim Ruda	Local
		OUTAGES TO BE REMOVED	FROM MONTI	HLY OUTAGE	FORECAST - CANCELLATIONS, DEFERRALS, REVISED IMPACTS		
	21	Turner Valley #2 - Unit Maintenance (4 days). Dates Revised	05/08/17	05/12/17	No longer expected to have impact.	Larissa Zhang	WGAT
	13	NPS 10 Redwater Lateral - Pipeline Modifications (6 days).  Dates Revised	05/12/17	05/17/17	No longer expected to have impact.	Chuang Li	Local
	21	Crowsnest A C/S - Station Maintenance (3 days).	05/29/17	05/31/17	No longer expected to have impact.	Larissa Zhang	FHBC
	21	Crowsnest B C/S - Station Maintenance (1 day).	06/01/17	06/01/17	No longer expected to have impact.	Larissa Zhang	FHBC
	16	NPS 14 Flat Lake Lateral - Pipeline Maintenance (11 days).	07/05/17	07/15/17	No longer expected to have impact.	Chuang Li	Local
	21	NPS 36 Foothills Zone 8 Segment 2 - Pipeline Maintenance (5 days). Dates Revised	07/24/17	07/28/17	No longer expected to have impact.	Larissa Zhang	FHBC
	21	NPS 36 Foothills Zone 8 Segment 3 - Pipeline Maintenance (5 days). Dates Revised	07/30/17	08/03/17	No longer expected to have impact.	Larissa Zhang	FHBC
	18	Schrader Creek East #1 - Unit Maintenance (4 days).  Dates Revised	08/08/17	08/11/17	No longer expected to have impact.	Damola Daramola	EGAT

#### **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.

T East Gate Delivery Area: Empress, McNeill, Unity, Cold Lake, Aeco C, Warwick Southeast, Chancellor, Carbon, Severn Creek, and Crossfield interconnects,

and all delivery locations in Segments 6, 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 6, 10, 11, 12, 13, 14, 15, 16, 17, 23, partial 28:

• OSDA Oil Sands Delivery Area: Cold Lake interconnect, and all delivery locations in Segments 10, 11, 14.

WGAT West Gate Delivery Area: Alberta B.C. and Alberta Montana interconnects, and delivery locations in partial Segment 21 and Segment 22.

OUTAGE	SEG	OUTAGE DESCRIPTION	DATES		RECEIPT/DELIVERY IMPACT	CONTACT	AREA
#	#		START	FINISH			
	. /1	NPS 36 Foothills Zone 8 Segment 4 - Pipeline Maintenance (6 days).	08/09/17	08/14/17	No longer expected to have impact.	Larissa Zhang	FHBC