



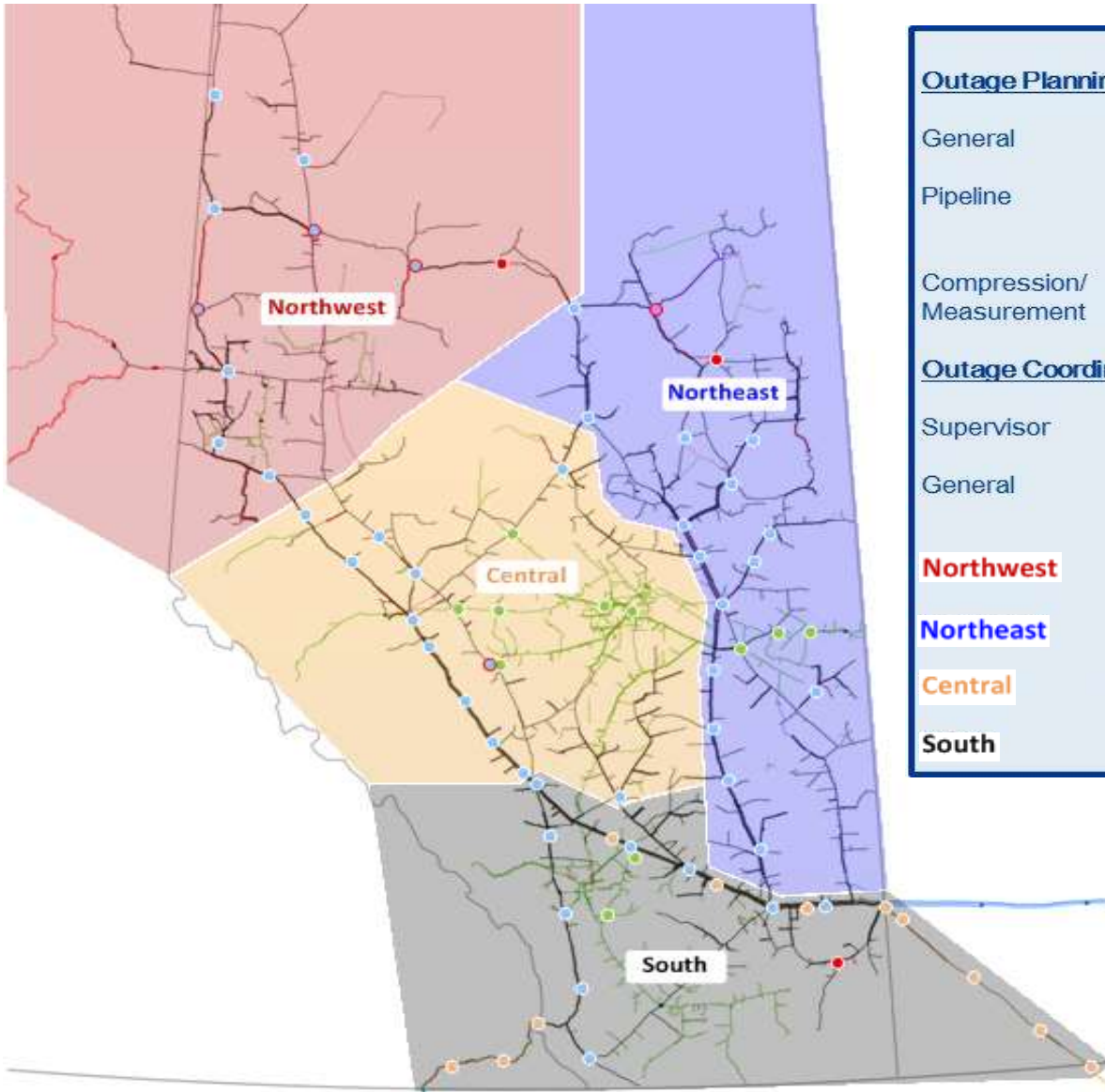
NGTL System & Foothills Pipeline Monthly Outage Forecast November 2016



November 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



<u>Outage Planning</u>		
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Compression/ Measurement	Bruce Hansen	403.920.5613
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General	Chuang Li	403.920.5291
	Ashley Lim	403.920.6669
Northwest	Andrea Watters	403.920.7638
Northeast	Brooke Dillabough	403.920.5144
Central	Chris Pho	403.920.6016
South	Damola Daramola	403.920.6604

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

Operational Areas

USJR

Upstream James River Receipt Area

WGAT

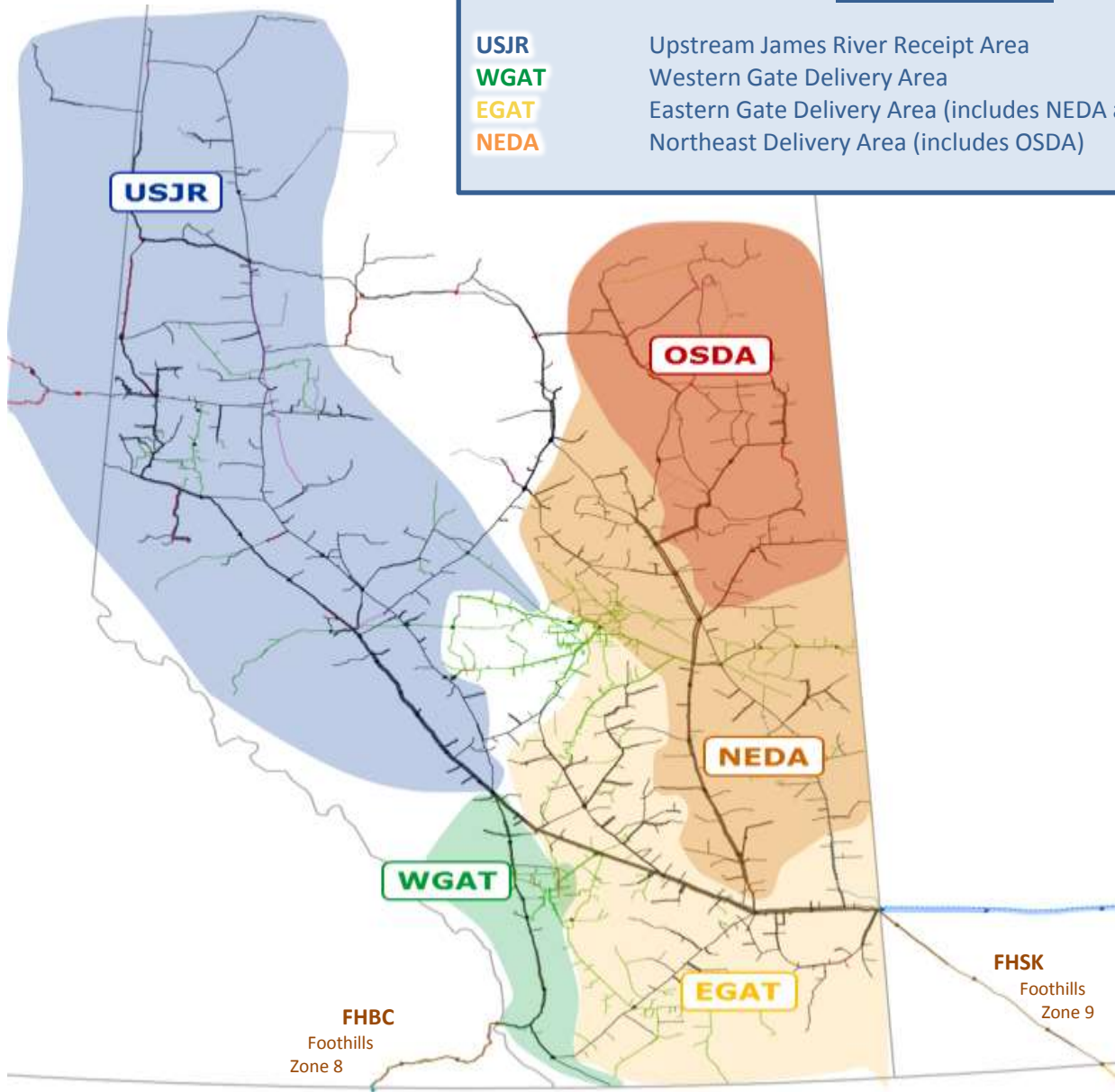
Western Gate Delivery Area

EGAT

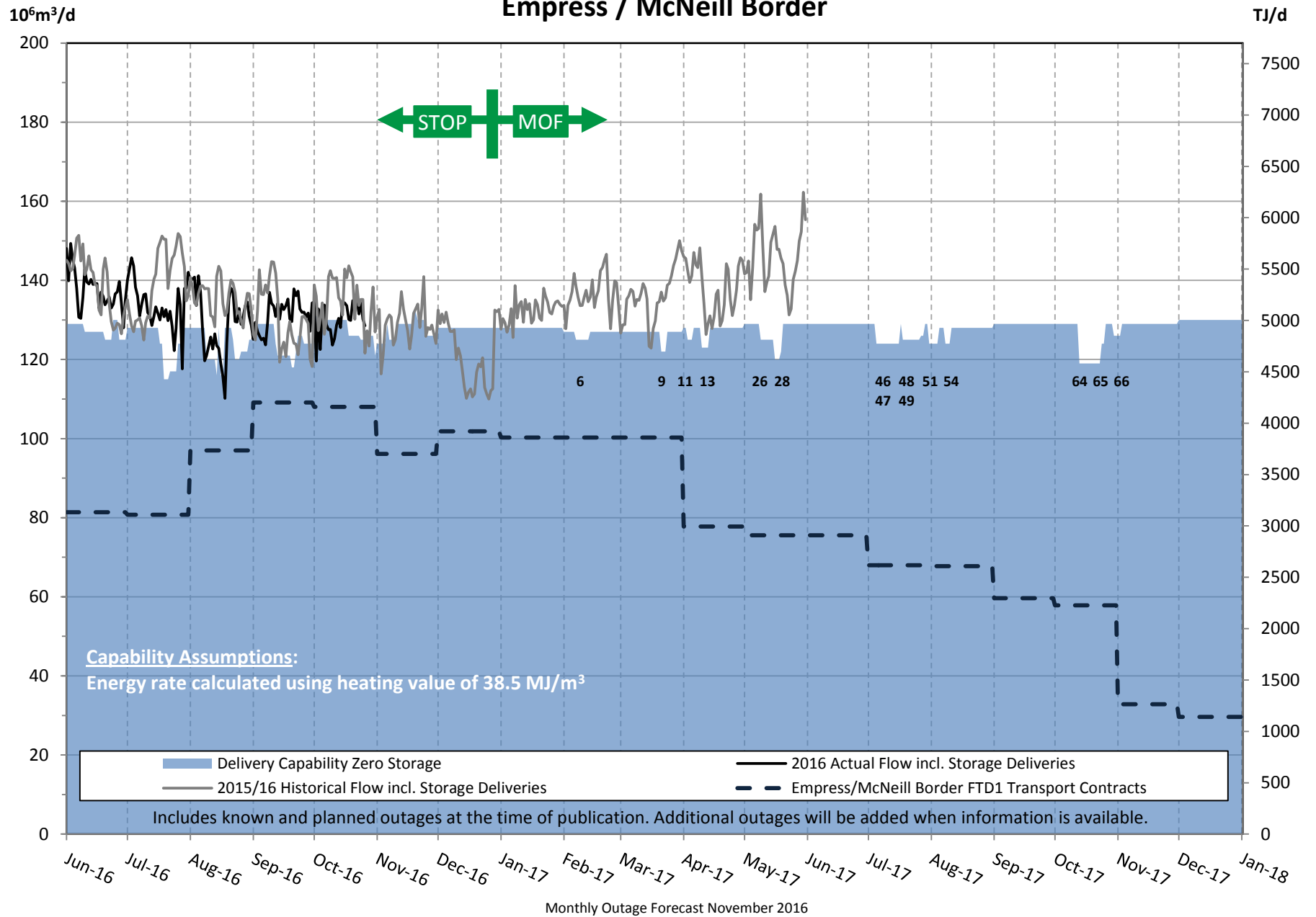
Eastern Gate Delivery Area (includes NEDA and OSDA)

NEDA

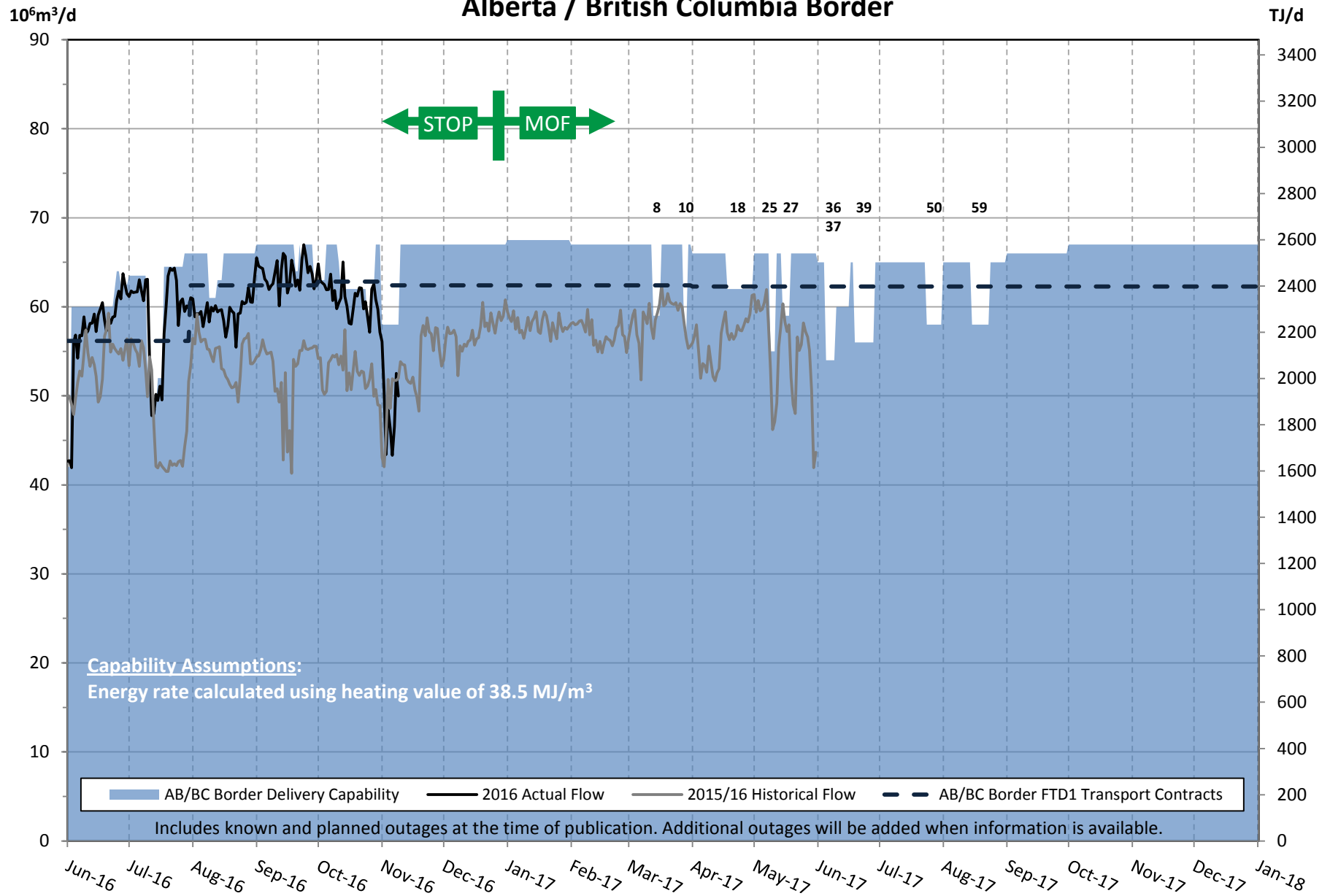
Northeast Delivery Area (includes OSDA)



Empress / McNeill Border

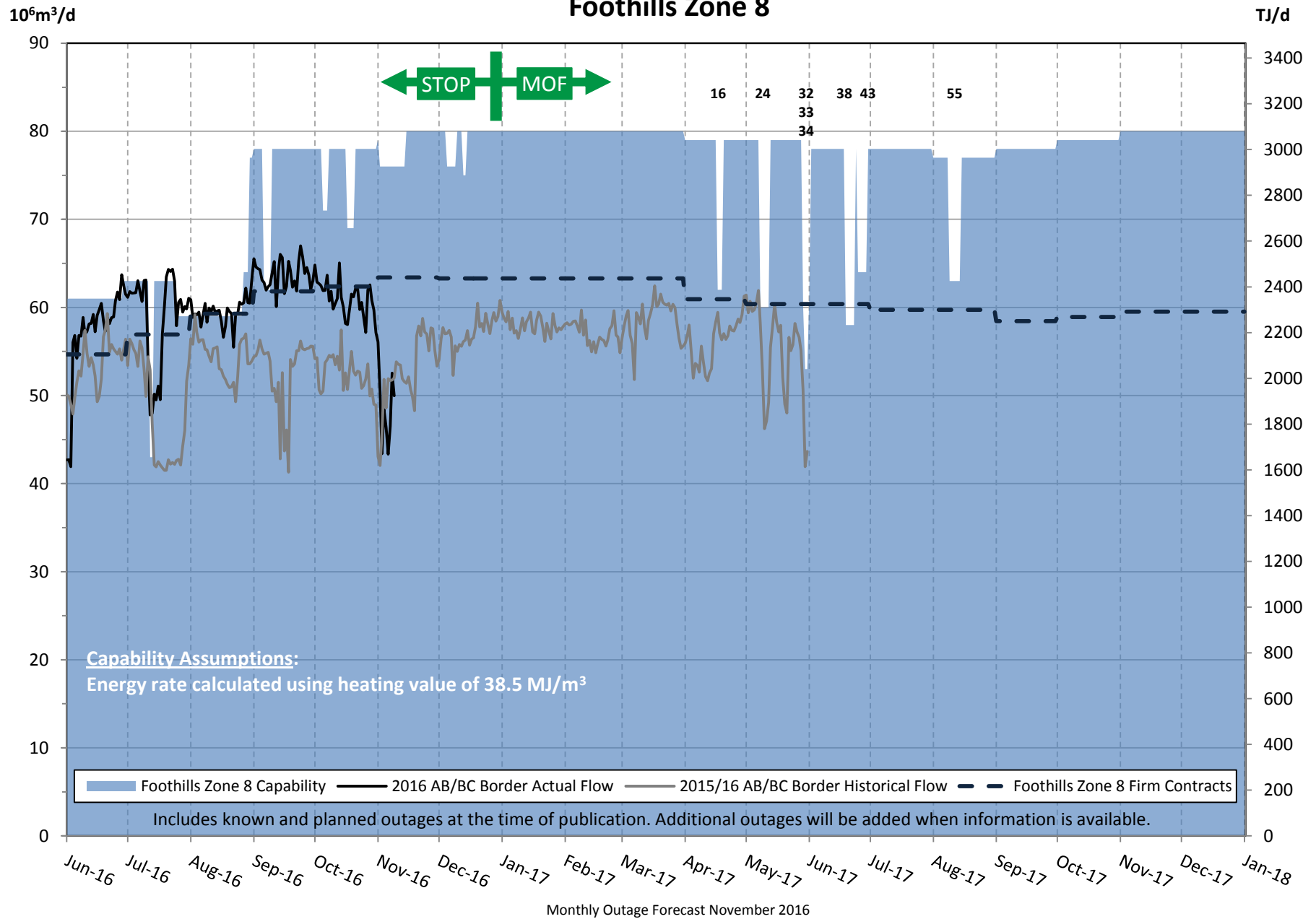


Alberta / British Columbia Border



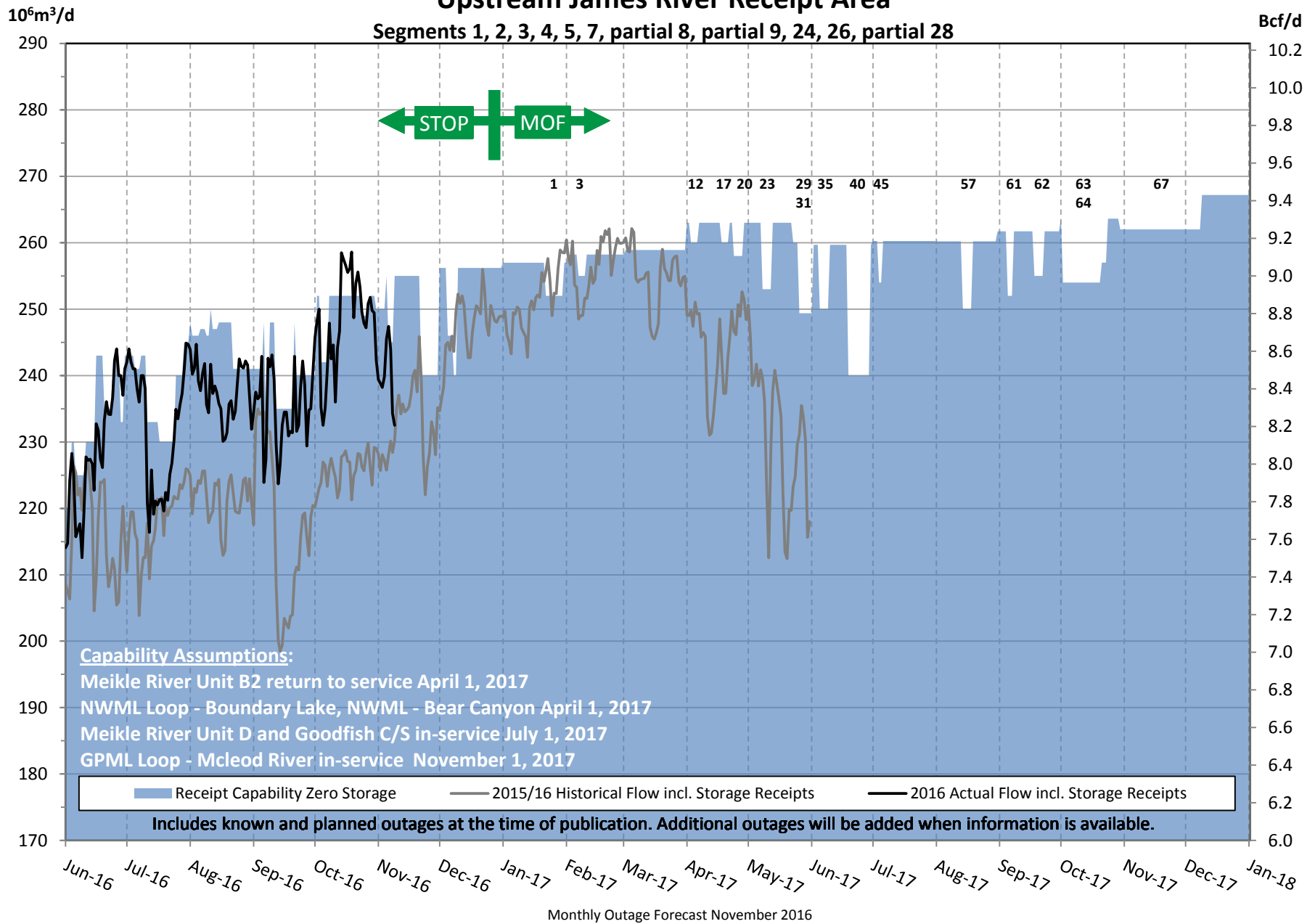
Monthly Outage Forecast November 2016

Foothills Zone 8



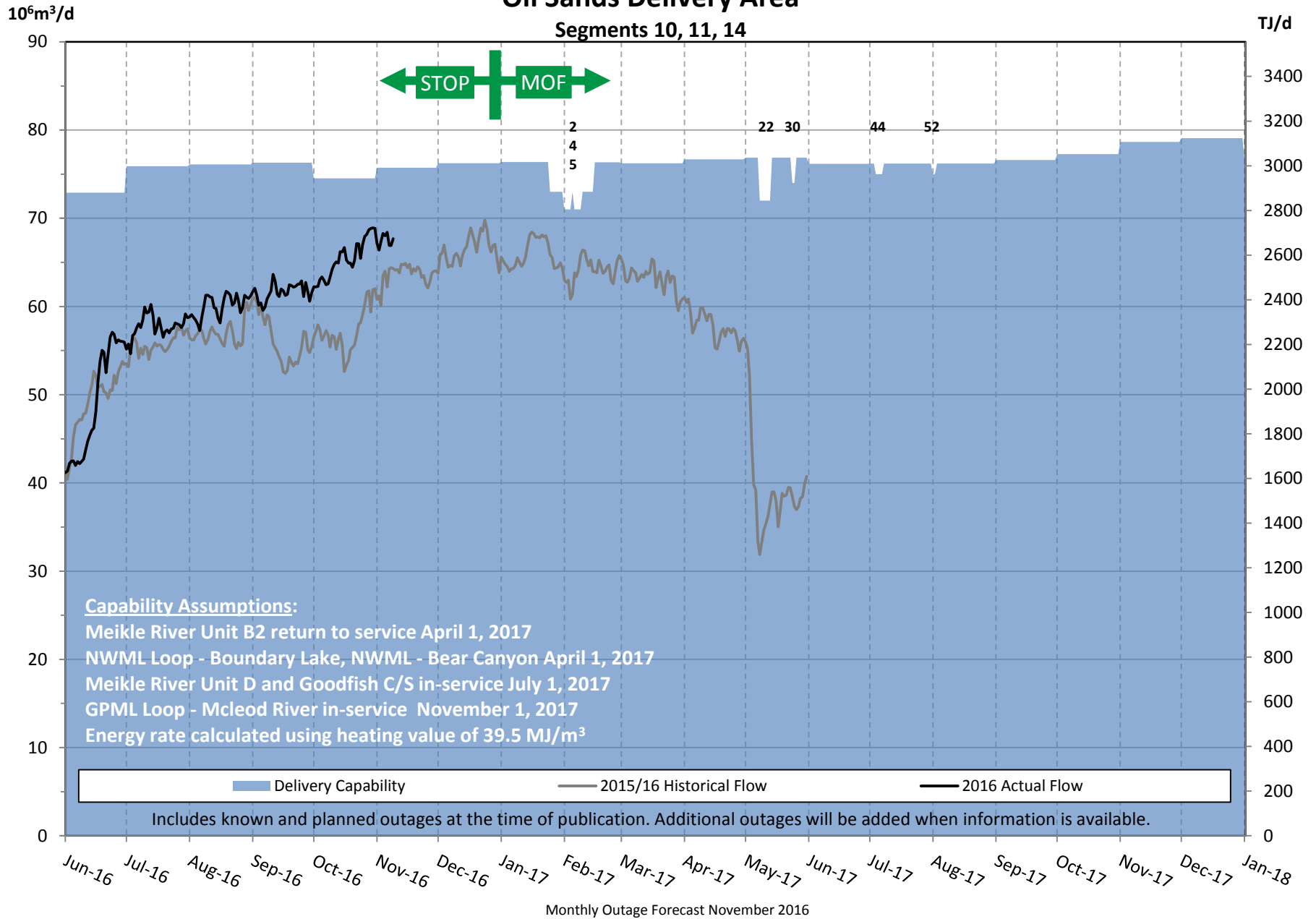
Upstream James River Receipt Area

Segments 1, 2, 3, 4, 5, 7, partial 8, partial 9, 24, 26, partial 28



Oil Sands Delivery Area

Segments 10, 11, 14



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EGAT	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 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, partial 21, 22, 23, partial 28.
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	• 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.
FHBC	Foothills Zone 8
FHSK	Foothills Zone 9

OUTAGE #	SEG #	OUTAGE DESCRIPTION	DATES		RECEIPT/DELIVERY IMPACT	CONTACT	AREA
			START	FINISH			
1	5	NPS 36 Edson M/L Extension - Pipeline Maintenance (9 days). New	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	11	NPS 16 Kirby Lateral - Pipeline Maintenance (11 days). New	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 Dillabough	OSDA
3	4	NPS 36 NWML Loop # 2 - Bear Canyon Section - 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
4	10	NPS 16 Pelican Mainline - Pipeline Modifications (10-15 days within window). Area of Impact and Capacity Revised	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 Dillabough	OSDA
5	11	NPS 16/20 Kirby Lateral Loop - Pipeline Maintenance (4 days). New	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 Dillabough	OSDA
6	6	NPS 24 Marten Hills Lateral Loop - Pipeline Modifications (6 days). Capacity Revised	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 Dillabough	EGAT
7	16	NPS 18 East Lateral - Pipeline Maintenance (6 days). New	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
8	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
9	20	Jenner C/S - Station Maintenance (3 days). Capacity Revised	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
10	21	Burton Creek C/S - Station Maintenance (2 days).	03/28/17	03/29/17	Potential IT/FT delivery restriction in the West Gate Delivery Area. Alberta B. C. Capability 57 E6m3/d. Typical Flow 57-64 E6m3/d.	Damola Daramola	WGAT
11	18	Red Deer C/S - Station Maintenance (3 days). Capacity Revised	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

C/S Compressor Station
M/S Meter Station
Light Shade Changed Entry
Dark Shade New Entry

11/16/2016

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12	8	Clearwater #1 - Unit Maintenance (4 days). New	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
13	18	Crawling C/S - Station Maintenance (4 days). Capacity Revised	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
14	10	NPS 24 Fort McKay Mainline - Pipeline Maintenance (7 days). New	04/13/17	04/19/17	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
15	10	NPS 16 & 14 Leismer Lateral - Pipeline Modifications (6 days). New	04/15/17	04/30/17	Nil required at North Thornbury and Clyden meter stations. Typical Flow 80 E3m3/d.	Rahim Ruda	Local
16	21	Elko C/S - Station Maintenance (3 days).	04/17/17	04/19/17	Potential IT/FT receipt restriction on Foothills Zone 8. Capability 62 E6m3/d. Typical Flow 40 - 65 E6m3/d.	Damola Daramola	FHBC
17	8	Vetchland C/S - Station Maintenance (4 days). Capacity Revised	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
18	22	NPS 24 South Lateral - Pipeline Maintenance (13 days). New	04/18/17	04/30/17	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
19	10	NPS 30 Fort McKay Mainline - Pipeline Maintenance (7 days). New	04/20/17	04/26/17	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
20	4	NPS 36 NWML Loop # 2 - Boundary Lake Section - Pipeline Modifications (5 days). Dates and Capacity Revised	04/24/17	04/28/17	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
21	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 70 E6m3/d. Typical Flow 70-80 E6m3/d.	Brooke Dillabough	NEDA
22	16	NPS 16 Leming Lake Sales Lateral - Pipeline Modifications (6 days within window). Dates Revised	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 Dillabough	OSDA Local

C/S Compressor Station
M/S Meter Station
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Dark Shade New Entry

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			START	FINISH			
23	7	Berland River C/S - Station Maintenance (5 days). Capacity Revised	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
24	21	Moyie C/S - 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
25	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
26	19	NPS 34 Eastern Alberta System Mainline Loop & Central Alberta System Mainline- Pipeline Maintenance (10 days). New	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
27	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
28	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
29	5	Fox Creek C/S - Station Maintenance (3 days). Capacity Revised	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
30	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 74 E6m3/d. Typical Flow 60-70 E6m3/d.	Brooke Dillabough	OSDA
31	7	Gold Creek C/S - Station Maintenance (7 days). Capacity Revised	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
32	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
33	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

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			START	FINISH			
34	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
35	8	Wolf Lake C/S - Station Maintenance (5 days). Capacity Revised	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
36	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
37	21	NPS 42 Western Alberta System Mainline Loop - Pipeline Maintenance (11 days). New	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
38	21	NPS 36 Foothills Zone 8 Segment 2 - Pipeline Maintenance (5 days). New	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
39	21	NPS 36 Western Alberta System Mainline - Pipeline Maintenance (10 days). New	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
40	8	NPS 42 Edson M/L Loop (Edson to Clearwater) - Pipeline Maintenance (11 days). New	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
41	20	NPS 8 Vale East Lateral - Pipeline Modifications (6 days within window). Dates Revised	06/23/17	07/07/17	Nil required at Vale East meter station. Typical Flow 330 E3m3/d.	Rahim Ruda	Local
42	20	NPS 10 Vale Lateral - 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
43	21	NPS 36 Foothills Zone 8 Segment 3 - Pipeline Maintenance (5 days). New	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
44	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 75 E6m3/d. Typical Flow 60-70 E6m3/d.	Brooke Dillabough	OSDA

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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.

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FHBC Foothills Zone 8

FHSK Foothills Zone 9

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			START	FINISH			
45	8	Clearwater C/S - Station Maintenance (2 days). Capacity Revised	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
46	19	NPS 42 Foothills Zone 6 Alberta - Pipeline Maintenance (12 days). New	07/05/17	07/16/17	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
47	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
48	19	NPS 42 Eastern Alberta System Mainline Loop #3 - Pipeline Maintenance (9 days) New	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
49	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
50	21	NPS 36 Foothills Zone 7 - Pipeline Maintenance (8 days). New	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
51	19	NPS 36 Eastern Alberta System Mainline Loop #2 - Pipeline Maintenance (5 days) New	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
52	12	Hanmore Lake B & C C/S - Station Maintenance (2 days).	08/01/17	08/02/17	Potential IT/FT delivery restriction in the Oil Sands Delivery Area. Capability 75 E6m3/d. Typical Flow 60-70 E6m3/d.	Brooke Dillabough	OSDA
53	17	NPS 12 Ghostpine Lateral - 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
54	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
55	21	NPS 36 Foothills Zone 8 Segment 4 - Pipeline Maintenance (6 days). New	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

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M/S Meter Station
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OUTAGE #	SEG #	OUTAGE DESCRIPTION	DATES		RECEIPT/DELIVERY IMPACT	CONTACT	AREA
			START	FINISH			
56	19	NPS 42 Foothills Pipeline Zone 9 - Pipeline Maintenance (9 days) New	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
57	8	Swartz Creek C/S - Station Maintenance (5 days). Capacity Revised	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
58	21	Drywood C/S - 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
59	21	NPS 42 Western Alberta System Mainline - Pipeline Maintenance (9 days). New	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
60	20	NPS 8 Dorothy Lateral and NPS10 Cessford-Burfield Lateral - Pipeline Modifications (6 days within window).	09/01/17	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
61	5	Knight C/S - Station Maintenance (3 days). Capacity Revised	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
62	7	Latornell C/S - Station Maintenance (5 days). Capacity Revised	09/18/17	09/22/17	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
63	8	Nordegg C/S - Station Maintenance (19 days). Capacity Revised	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
64	6	Paul Lake B2 C/S - Station Maintenance (11 days).	10/13/17	10/23/17	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 Dillabough	USJR EGAT
65	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
66	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

C/S Compressor Station
M/S Meter Station
Light Shade Changed Entry
Dark Shade New Entry

11/16/2016

Inquiries?
 Contact info in outages above

NGTL System & Foothills Pipeline - Monthly Outage Forecast November 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.

EGAT 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 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.

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

FHBC Foothills Zone 8

FHSK Foothills Zone 9

OUTAGE #	SEG #	OUTAGE DESCRIPTION	DATES		RECEIPT/DELIVERY IMPACT	CONTACT	AREA
			START	FINISH			
67	8	Clearwater #5 - Unit Modifications (40 days). New	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

C/S Compressor Station
M/S Meter Station
Light Shade Changed Entry
Dark Shade New Entry

11/16/2016

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