



Monthly Outage Forecast

March 2015

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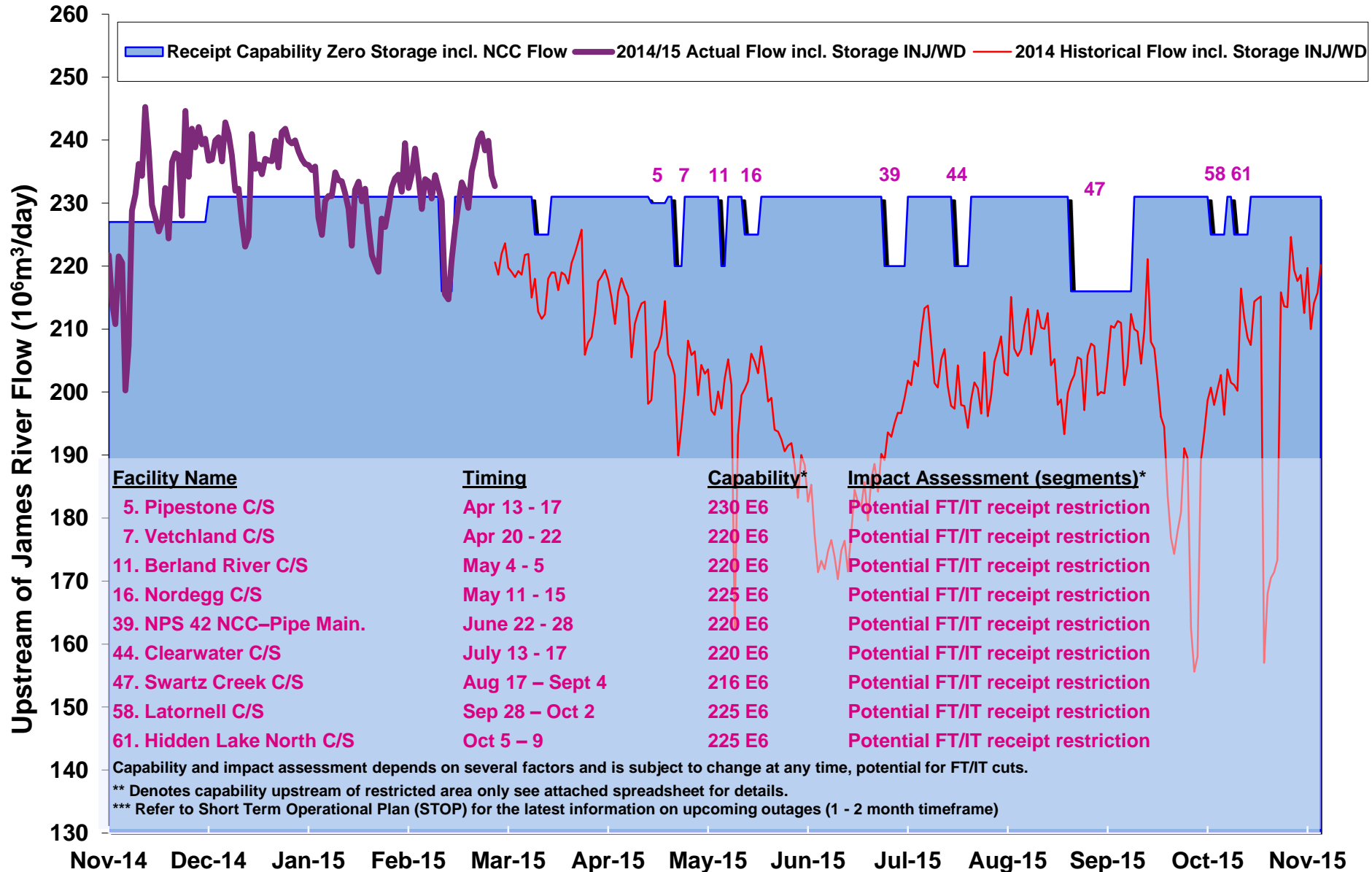
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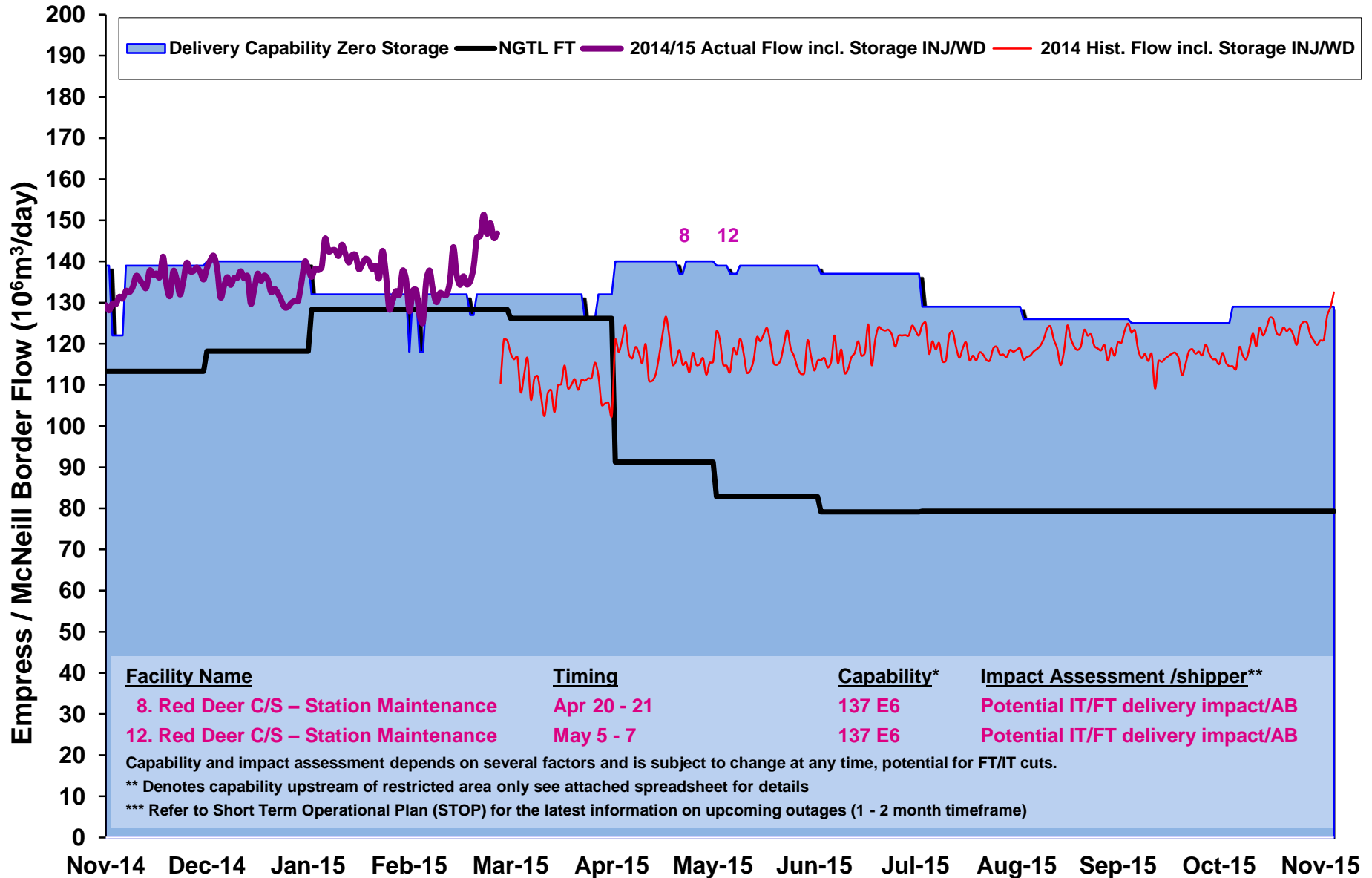
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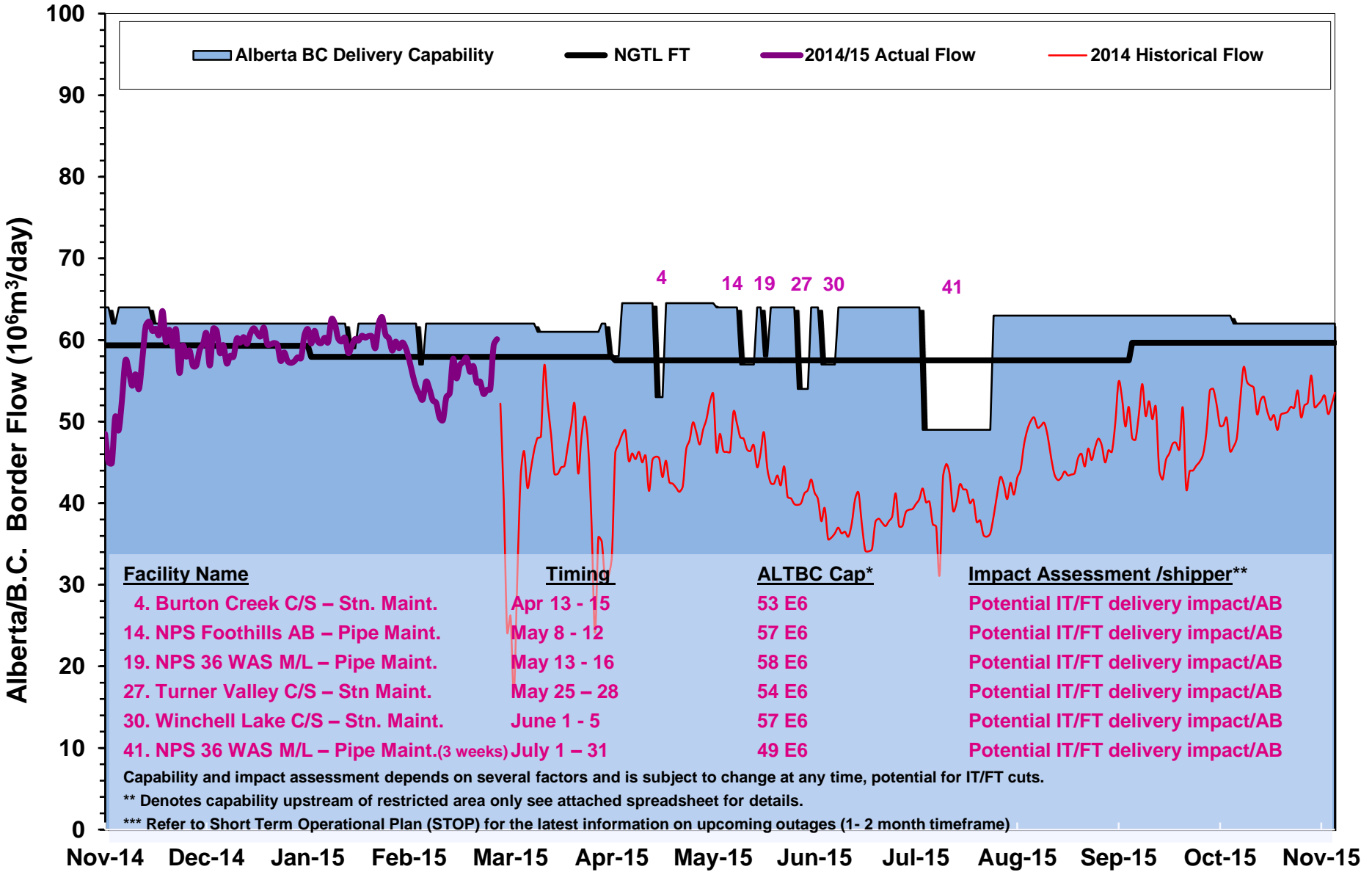
Upstream of James River Outlook



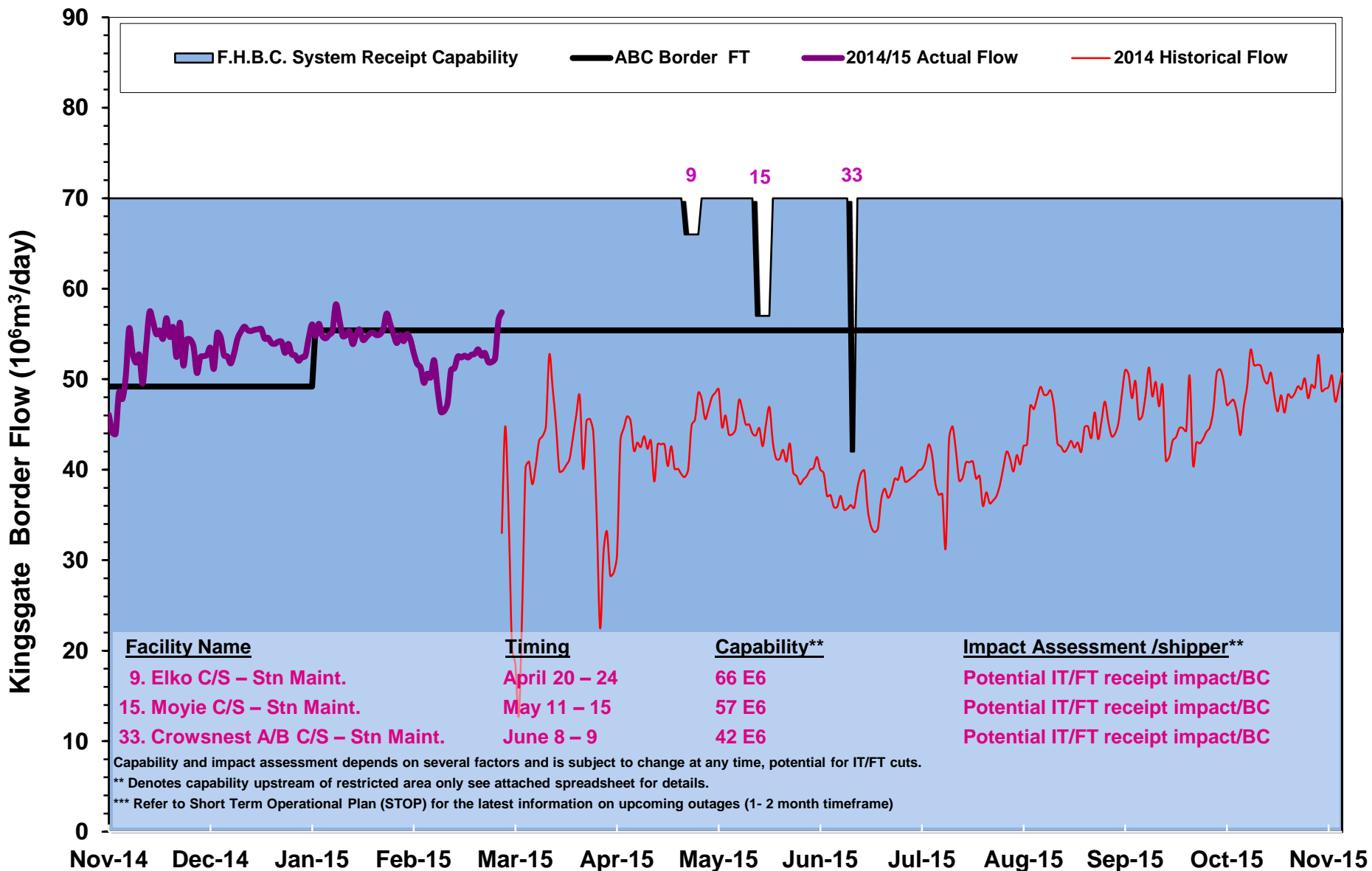
Empress / McNeill Border Outlook



Alberta B.C. Border Outlook

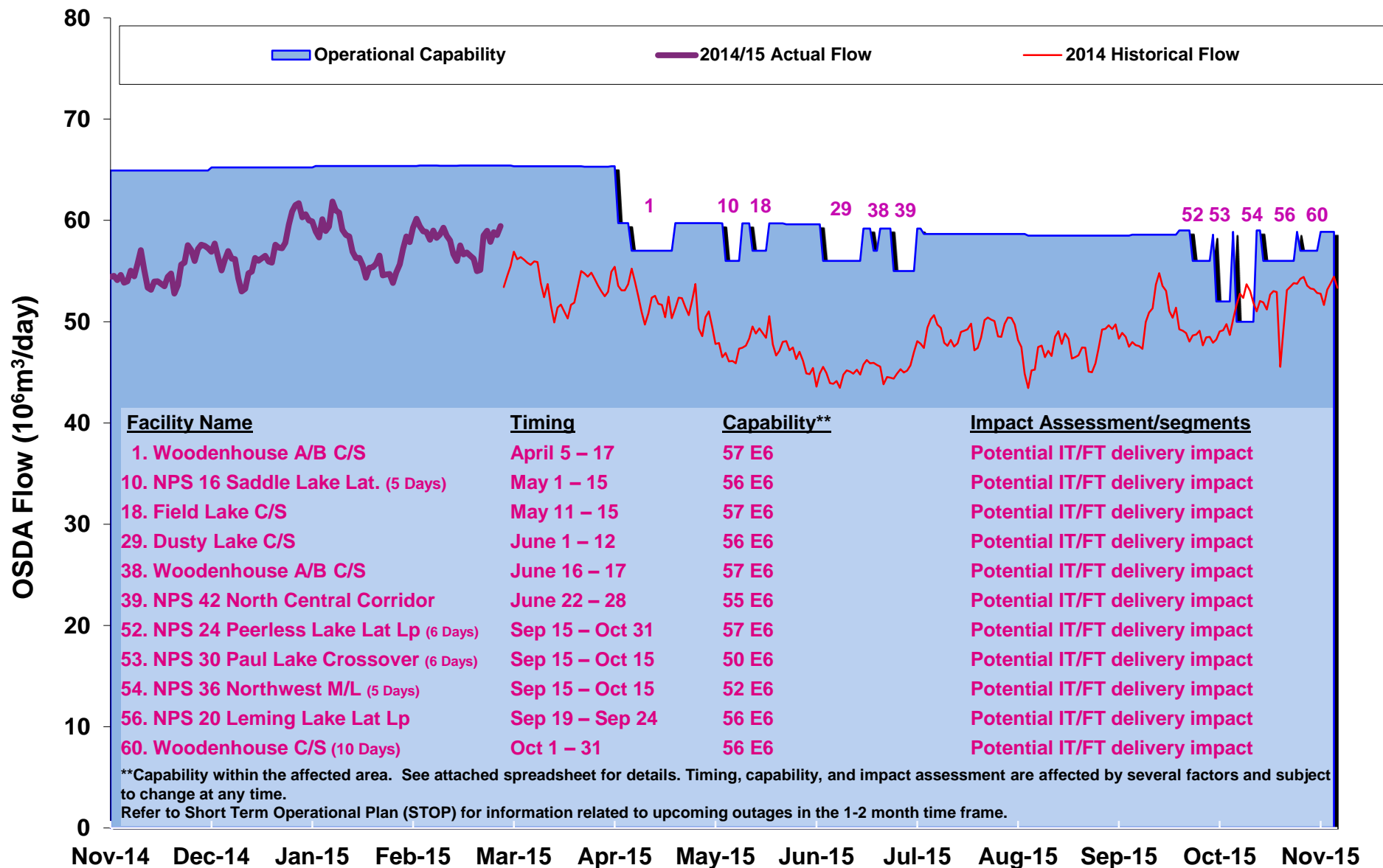


Kingsgate Outlook



Oil Sands Delivery Area (OSDA) Outlook

Segments 10,11,14



SYSTEM MAP

- **NGTL System Map Link**
 - **For NGTL System Facilities Segment codes please view link below**

[http://www.transcanada.com/customerexpress/docs/fh_system_maps/AB System Map AP ATCO 2014 Final Segments.pdf](http://www.transcanada.com/customerexpress/docs/fh_system_maps/AB_System_Map_AP_ATCO_2014_Final_Segments.pdf)

TransCanada Outage Forecast March 2015 as of Feb. 27, 2015

ID	SEG	OUTAGE DESCRIPTION	DATES		RECEIPT/DELIVERY IMPACT	CONTACT	AREA
			STAR	FINIS			
1	6	Woodenhouse A/B C/S - Station Maintenance (11 days). Dates Revised.	04/05/15	04/17/15	Potential IT/FT delivery restriction in Segments 10, 11 & 14. . Capability: 57 E6. Typical Flow: 50-55 E6	Ashley Lim	OSDA USJR
2	21	Drywood C/S - Station Maint (2 days). Dates Revised	04/06/15	04/07/15	Potential IT/FT delivery restriction at Alberta Montana Border. Capability 1300 E3. Typical flow 800- 1200 E3.	Damola Daramola	Local
3	7	NPS 24 Grande Prairie Mainline Loop - Pipeline Maintenance (4 days). Dates and Capacity Revised	04/07/15	04/10/15	Potential IT/FT restriction required for Segments 1-5, 26 and partial 7 (upstream of Gold Creek Compressor Station). Capability = 130 E6m3. Typical flow 120 to 130 E6m3.	Brooke Dillabough	Local
4	21	Burton Creek C/S - Station Maint. (3 days). Capacity Revised.	04/13/15	04/15/15	Potential IT/FT delivery restriction at ALTBC. Capability 53 E6. Typical flow 40 - 65 E6.	Damola Daramola	ALTBC
5	7	Pipestone C/S - Station Maintenance (5 days).	04/13/15	04/17/15	Potential IT/FT delivery restriction in Segments 10, 11 & 14. Capability 50 E6m3. Typical flow 50 - 55 E6m3. Potential IT/FT receipt restriction in Segments 1-5, 7-9 & 26 (Upstream of James River). Capability 230 E6m3. Typical flow 215 - 235 E6m3.	Brooke Dillabough	OSDA USJR
6	18	NPS 12 Seiu Creek Lateral - Pipeline Modifications (6 days within window).	04/15/15	04/30/15	Nil required for Seiu Creek meter station. Typical flow 250 E3m3.	Rahim Ruda	Local
7	8	Vetchland C/S - Station Maintenance (3 days). Dates Revised	04/20/15	04/22/15	Potential IT/FT receipt restriction in Segments 1-5, 7, 26, Partial 8 & 9 (Upstream of James River). Capability = 220 E6m3. Typical flow 215 - 235 E6m3.	Brooke Dillabough	USJR
8	16	Red Deer C/S - Station Maintenance (2 days).	04/20/15	04/21/15	Potential IT/FT delivery restriction at EGAT. Capability 137 E6, Typical flow 132-140 E6	Damola Daramola	EGAT
9	21	Elko C/S - Station Maint. (4 days)	04/20/15	04/24/15	Potential IT/FT receipt restriction on FHBC. Capability 66 E6. Typical flow 40 - 65 E6.	Damola Daramola	FHBC

C/S - Compressor Station, M/S - Meter Station

FSCD - Firm Service Contract Demand

(Shade - indicates new or changed)

General Inquiries? contact Glen Mohan at 920-6802

EGAT - Eastern Gate (Empress/McNeill Borders)

ALTBC - Alberta/BC Border

USJR - Upstream of James River

OSDA - Oil Sands Delivery Area

	SEG	OUTAGE DESCRIPTION	DATES		RECEIPT/DELIVERY IMPACT	CONTACT	AREA
	#		STAR	FINIS			
10	14	NPS 16 Saddle Lake Lateral Loop - Pipeline Modifications (5 days in window) New	05/01/15	05/15/15	Potential IT/FT delivery restriction in Segments 10, 11 & 14. Capability: 56 E6. Typical Flow 50-55 E6	Andrea Watters	OSDA
11	7	Berland River C/S - Station Maintenance (2 days).	05/04/15	05/05/15	Potential IT/FT receipt restriction in Segments 1-5, 7, 26, Partial 8 & 9 (Upstream of James River). Capability = 220 E6m3. Typical flow 205 - 225 E6m3.	Brooke Dillabough	USJR
12	16	Red Deer C/S - Station Maintenance (3 days).	05/05/15	05/07/15	Potential IT/FT delivery restriction at EGAT. Capability 137 E6, Typical flow 132-140 E6	Damola Daramola	EGAT
13	4	Saddle Hills C/S - Station Maintenance (2 days).	05/06/15	05/07/15	Potential IT/FT receipt restriction in Partial Segment 4. Capability 50 E6. Typical flow 50 - 60 E6.	Brooke Dillabough	Local
14	18	NPS 36 Foothills AB Zone 7 - Pipeline Maintenance (5 days). Dates and Duration Revised	05/08/15	05/12/15	Potential IT/FT delivery restriction at ALTBC. Capability 57 E6, Typical flow 59-63 E6	Damola Daramola	ALTBC
15	21	Moyie C/S - Station Maint. (5 days)	05/11/15	05/15/15	Potential IT/FT receipt restriction on FHBC. Capability 57 E6. Typical flow 40 - 65 E6.	Damola Daramola	FHBC
16	8	Nordegg C/S - Station Maintenance (5 days).	05/11/15	05/15/15	Potential IT/FT receipt restriction in Segments 1-5, 7, 26, Partial 8 & 9 (Upstream of James River). Capability = 225 E6m3. Typical flow 205 - 225 E6m3.	Brooke Dillabough	USJR
17	6	Slave Lake C/S - Station Maint (5 days)	05/11/15	05/15/15	Potential IT/FT receipt restriction - NPS 8 Mitsue Lateral: Mitsue, Nipisi & Overlea. (dependent on receipt/delivery balance) Typical Flow 250 E3M3	Ashley Lim	Local
18	11	Field Lake C/S - Station Maint (5 days) Dates Revised	05/11/15	05/15/15	Potential IT/FT delivery restriction in Segments 10, 11 & 14. . Capability: 57 E6. Typical Flow: 50-55 E6	Andrea Watters	OSDA

SEG		OUTAGE DESCRIPTION	DATES		RECEIPT/DELIVERY IMPACT	CONTACT	AREA
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19	21	NPS 36 WAS Mainline - Pipeline Maintenance (4 days)	05/13/15	05/16/15	Potential IT/FT delivery restriction at ALTBC. Capability 58 E6, Typical flow 59-63 E6	Damola Daramola	ALTBC
20	17	NPS 16 Nevis Lateral - Pipeline Modifications (4 days within window).	05/15/15	06/15/15	Nils required for Hummock Lake, Mikwan North, & Lousana receipt meter stations. Typical flow 430 E3m3.	Ashley Lim	Local
21	8	NPS 42 Edson Mainline Loop - Pipeline Maintenance (10 days)	05/20/15	05/30/15	Potential IT/FT receipt restriction in Segments 5, 7 and the following meter stations: Edson, Robb, Mitchell Creek, Rosevear South, Pioneer, Poison Creek, Niton, Lobstick, Granada, Bigoray River, Eta Lake, West Pembina South, Rat Creek South, Rat Creek. Capability 105. Typical flow 104 - 110 E6	Chuang Li	Local
22	8	Wolf Lake C/S - Station Maintenance (9 days).	05/20/15	05/29/15	Potential IT/FT receipt restriction - NPS 20 Robb Lateral: Mitchell Creek, Robb. Capability 4 E6m3. Typical flow 7-8 E6m3.	Brooke Dillabough	Local
23	8	NPS 20 Robb Lateral - Pipeline Maintenance (5 days within window). New	05/20/15	05/29/15	Nils required to Mitchell Creek and Robb meter stations. Typical flow 7-8 E6m3.	Mike Wylie	Local
24	9	NPS 6 Ferrier Lateral - Pipeline Modifications (6 days within window). Dates Revised	05/25/15	06/05/15	Nils required for Ferrier, Ferrier South A and Codner meter stations. Typical flow 1000 E3m3.	Rahim Ruda	Local
25	15	Gadsby C/S - Station Maint (5 days). Dates and Capacity Revised	05/25/15	05/29/15	Potential FT delivery restriction in Segments 15, 16 & 28. Capability: 24 E6. Typical Flow: 20-28 E6 . Potential nils required for Halkirk North #2, Halkirk, Maple Glen, Castor, Leo and Hanna meter stations.	Ashley Lim	Local
26	20	NPS 12 Alderson Lateral - Pipeline Modifications (5 days). Dates Revised	05/25/15	05/29/15	Nils required for Alderson, Alderson South, Alderson North, Bantry, Twelve Mile Coulee, Tilley and Tilley South 2 meter stations. Typical flow 1650 E3m3.	Rahim Ruda	Local
27	21	Turner Valley C/S - Station Maintenance (4 days).	05/25/15	05/28/15	Potential IT/FT delivery restriction at ALTBC. Capability 54 E6, Typical flow 59-63 E6	Damola Daramola	ALTBC

	SEG	OUTAGE DESCRIPTION	DATES		RECEIPT/DELIVERY IMPACT	CONTACT	AREA
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28	8	NPS 18 Ferrier North Lateral - Pipe Maintenance (3 to 6 weeks within window) New	06/01/15	07/31/15	Nils required to Ferrier South B and Ferrier North. Typical Flow 2500 E3m3	Mike Wylie	Local
29	15	Dusty Lake C/S - Station Maintenance (12 days).	06/01/15	06/12/15	Potential IT/FT delivery restriction in Segments 10, 11 & 14. Capability: 56 E6. Typical Flow: 50-55 E6	Ashley Lim	OSDA
30	21	Winchell Lake C/S - Station Maint (5 days).	06/01/15	06/05/15	Potential IT/FT delivery restriction at ALTBC. Capability 57 E6, Typical flow 59-63 E6	Damola Daramola	ALTBC
31	23	NPS 6 Chauvin Lateral - Pipeline Modifications (6 days within window).	06/01/15	06/15/15	Nils required for Estridge Lake and Chauvin meter stations. Typical flow 70 E3m3.	Rahim Ruda	Local
32	18	NPS 10 Lone Pine Creek Lateral - Pipeline Modifications (6 days within window).	06/08/15	06/21/15	Nils required for Lone Pine Creek and Lone Pine Creek Sales meter stations. Typical flow 540 E3m3 (receipt) and 50 E3m3 (sales).	Rahim Ruda	Local
33	21	Crow A/B C/S - Station Maint. (2 days).	06/08/15	06/09/15	Potential IT/FT receipt restriction on FHBC. Capability 42 E6. Typical flow 40 - 65 E6.	Damola Daramola	FHBC
34	7	Gold Creek C/S - Station Maintenance (3 days).	06/08/15	06/10/15	Potential IT/FT receipt restriction in Segment 4 & Partial Segment 7. Capability 63 E6. Typical flow 65 - 70 E6.	Brooke Dillabough	Local
35	1	NPS 10 Paddle Prairie Lateral - Pipeline Modifications (6 days within window).	06/15/15	06/30/15	Nils required for Paddle Prairie, Paddle Prairie South, Boyer and Boyer East meter stations. Typical flow 400 E3m3.	Rahim Ruda	Local
36	2	Cranberry Lake Sales - Meter Station Maint (9 hrs)	06/15/15	06/15/15	Nil required to Cranberry Lake Sales. Typical flow 170 E3M3	Bruce Hansen	Local

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37	6	NPS 10 Cadotte River Lateral - Pipeline Modifications (3 days within window).	06/15/15	06/30/15	Nil required for Cadotte River receipt meter station. Typical flow 280 E3m3. Nils required for Cranberry Lake East Sales and Cranberry Lake East #2 Sales meter stations. Typical flow 30 E3m3	Mike Wylie	Local
38	6	Woodenhouse A/B C/S - Station Maint (2 days).	06/16/15	06/17/15	Potential IT/FT delivery restriction in Segments 10, 11 & 14. . Capability: 57 E6. Typical Flow: 50-55 E6	Andrea Watters	OSDA USJR
39	6	NPS 42 North Central Corridor (Meikle to Woodenhouse) - Pipeline Maintenance (7 days within window). <i>Dates, Duration and Capacity Revised</i>	06/22/15	06/28/15	Potential IT/FT delivery restriction in Segments 10, 11 & 14. Capability 55 E6. Typical flow 50 - 55 E6. Potential IT/FT receipt restriction in Segments 1-5, 7-9 & 26 (Upstream of James River). Capability 220 E6. Typical flow 175-225 E6	Rahim Ruda	OSDA USJR
40	20	NPS 12 Alderson Lateral - Pipeline Maintenance (7 days within window). <i>Dates Revised</i>	06/23/15	06/29/15	Nils required to Alderson North, Bantry, Tilley and Tilley South #2 meter stations. Typical flow 900 E3m3.	Rahim Ruda	Local
41	21	NPS 36 Western Alberta System M/L - Pipeline Upgrades (3 weeks within window).	07/01/15	07/31/15	Potential IT/FT delivery restriction at ALTBC. Capabiltiy 49 E6. Typical flow 45 - 55 E6.	Mike Wylie	ALTBC
42	14	NPS 10 Saddle Lake Lateral - Pipeline Modifications (5 days in window) New	07/01/15	07/15/15	Nil required for St. Paul Sales meter station. Typical Flow 46 E3m3	Andrea Watters	Local
43	11	NPS 16 Leming Lake Sales Lateral - Pipeline Modifications (7 days within window) New	07/01/15	07/31/15	Nil required for Marguerite Lake Sales meter station. Typical flow 200 E3m3	Ashley Lim	Local
44	8	Clearwater C/S - Station Maintenance (5 days).	07/13/15	07/17/15	Potential IT/FT receipt restriction in Segments 1-5, 7, 26, Partial 8 & 9 (Upstream of James River). Capability = 220 E6m3. Typical flow 200 - 220 E6m3.	Brooke Dillabough	USJR
45	20	NPS 16 Alderson Lateral Extension - Pipeline Modifications (6 days within window)	07/15/15	07/31/15	Nil required for Princess West meter station. Typical flow 230 E3m3.	Rahim Ruda	Local

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46	19	NPS 42 Foothills Pipeline Zone 9 - Pipeline Maintenance (7 days within window).	08/01/15	08/31/15	Potential IT/FT receipt restriction on FHSK. Capability 35-50 E6, typical flow 40-45 E6.	Rahim Ruda	FHSK
47	8	Swartz Creek C/S - Station Maintenance (19 days).	08/17/15	09/04/15	Potential IT/FT receipt restriction in Segments 1-5, 7, 26, Partial 8 & 9 (Upstream of James River). Capability = 216 E6m3. Typical flow 205 - 225 E6m3.	Brooke Dillabough	USJR
48	23	NPS 6 Chauvin Lateral - Pipeline Maintenance (6 days).	08/20/15	08/25/15	Nil required for Estridge Lake and Chauvin meter stations. Typical flow 70 E3m3.	Rahim Ruda	Local
49	13	NPS 8 Big Bend Lateral - Pipeline Modifications (6 days within window)	09/01/15	09/15/15	Nil required for Big Bend meter station. Typical flow 130 E3m3.	Rahim Ruda	Local
50	11	NPS 16 Leming Lake Sales Lateral - Pipeline Modifications (7 days within window). New	09/01/15	09/30/15	Nil required for Marguerite Lake Sales meter station. Typical flow 200 E3m3	Ashley Lim	Local
51	22	NPS 18 Castle River Montana Lateral Loop - Pipeline Modifications (4 days within window)	09/15/15	09/30/15	Potential IT/FT delivery restriction at Alberta Montana Border. Capacity = 2500 E3m3. Typical flow 1000 to 3000 E3m3.	Rahim Ruda	Local
52	6	NPS 24 Peerless Lake Lateral Loop - Pipeline Modifications (6 days within window).	09/15/15	10/31/15	Potential IT/FT delivery restriction in Segments 10, 11 & 14. Capability 57 E6. Typical flow 50 - 55 E6.	Rahim Ruda	OSDA
53	12	NPS 30 Paul Lake Crossover - Pipeline Modifications (6 days within window).	09/15/15	10/15/15	Potential IT/FT delivery restriction in Segments 10, 11 & 14. Capability 50 E6. Typical flow 50 - 55 E6. Potential IT/FT receipt restriction in Segments 1-5, 7-9 & 26 (Upstream of James River). Capability 215 E6. Typical flow 175-225 E6. To be potentially aligned with the NPS 36 Northwest Mainline as a single outage.	Rahim Ruda	OSDA USJR

	SEG		DATES				
	#	OUTAGE DESCRIPTION	STAR	FINIS	RECEIPT/DELIVERY IMPACT	CONTACT	AREA
54	4	NPS 36 Northwest Mainline - Pipeline Modifications (5 days within window).	09/15/15	10/15/15	Potential IT/FT delivery restriction in Segments 10, 11 & 14. Capability 52 E6. Typical flow 50 - 55 E6. Potential IT/FT receipt restriction in Segments 1-5, 7-9 & 26 (Upstream of James River). Capability 215 E6. Typical flow 175-225 E6. To be potentially aligned with the NPS 30 Paul Lake Crossover as a single outage.	Rahim Ruda	OSDA USJR
55	10	NPS 12 Moosa Lateral - Pipeline Modifications (10-14 days within window).	09/15/15	09/30/15	Nils required for Ruth Lake Sales #2 and Ruth Lake Sales #3 meter stations. Typical flow 1200 E3m3.	Rahim Ruda	Local
56	11	NPS 20 Leming Lake Lateral Loop - Pipeline Maintenance (6 days).	09/19/15	09/24/15	Potential IT/FT delivery restriction in Segments 10, 11 & 14. Capability 55-57 E6. Typical flow 50 - 55 E6.	Andrea Watters	OSDA
57	7	NPS 30 Grande Prairie Mainline Loop - Pipeline Modifications (4 days within window).	09/21/15	10/15/15	Nils required to Progress East and Burnt River meter stations. Typical flow 400 E3m3. Potential IT restriction for Segment 7.	Rahim Ruda	Local
58	7	Latornell C/S - Station Maintenance (5 days).	09/28/15	10/02/15	Potential IT/FT receipt restriction in Segments 1-5, 7, 26, Partial 8 & 9 (Upstream of James River). Capability = 225 E6m3. Typical flow 210 - 230 E6m3.	Brooke Dillabough	USJR
59	8	NPS 30 January Creek Lateral - Pipeline Modifications (4 days within window).	10/01/15	10/15/15	Nil required for January Creek meter station. Typical flow 0 to 3 E6m3.	Rahim Ruda	Local
60	6	Woodenhouse C/S - Station Modifications (10 days within window) New	10/01/15	10/31/15	Potential IT/FT delivery restriction in Segments 10, 11 & 14. Capability: 56 E6. Typical Flow: 50-55 E6	Andrea Watters	OSDA
61	3	Hidden Lake North C/S - Station Maintenance (5 days).	10/05/15	10/09/15	Potential IT/FT delivery restriction in Segments 10, 11 & 14. Capability 50 - 55 E6. Typical flow 50 - 55 E6. Potential IT/FT receipt restriction in Segments 1-5, 7-9 & 26 (Upstream of James River). Capability 225 E6. Typical flow 205 - 225 E6	Brooke Dillabough	OSDA USJR

	SEG	OUTAGE DESCRIPTION	DATES		RECEIPT/DELIVERY IMPACT	CONTACT	AREA
	#		STAR	FINIS			
62	13	NPS 8 Big Bend Lateral - Pipeline Maintenance (6 days).	11/08/15	11/13/15	Nil required for Big Bend meter station. Typical flow 130 E3m3.	Andrea Watters	Local
63	11	NPS 16 Kirby Lateral - Pipeline Maintenance (8 days within window) Deferred to 2016	2016	2016	Potential IT/FT delivery restriction in Segments 10, 11 & 14. Capability: 61 E6. Typical Flow: 55-65 E6	Andrea Watters	OSDA
64	7	NPS 16/20 Grande Prairie Mainline - Pipeline Modifications (6 days within window). Deferred to 2016	2016	2016	Nils required for Bear River West, Bear River, Valhalla, Valhalla #2 and Wembley meter stations. Typical flow 4500 E3m3.	Rahim Ruda	Local
65	7	NPS 20/24 Grande Prairie Mainline - Pipeline Modifications (6 days within window). Deferred to 2016	2016	2016	Potential IT/FT restriction required for Brainard Lake, Demmitt, Demmitt 2, Elsworth High, Goodfare, Hythe and Bear River West meter stations. Capability 24 E6m3. Typical flow 19 to 23.5 E6m3.	Rahim Ruda	Local
66	10	NPS 24 Fort McKay Mainline - Pipeline Maintenance (2 days). Deferred to 2016	2016	2016	IT/FT delivery restriction required for Aspen Sales, Wapasu Creek Sales, Kearl Sales and Firebag Sales meter stations. Capability = 6080 E3m3. Typical flow 8300 E3m3.	Ashley Lim	OSDA
67	10	NPS 30 Fort McKay Mainline - Pipeline Maintenance (2 days). Deferred to 2016	2016	2016	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 = 10,500 E3m3. Typical flow 13,000 E3m3.	Ashley Lim	OSDA