



# Monthly Outage Forecast

## February 2015

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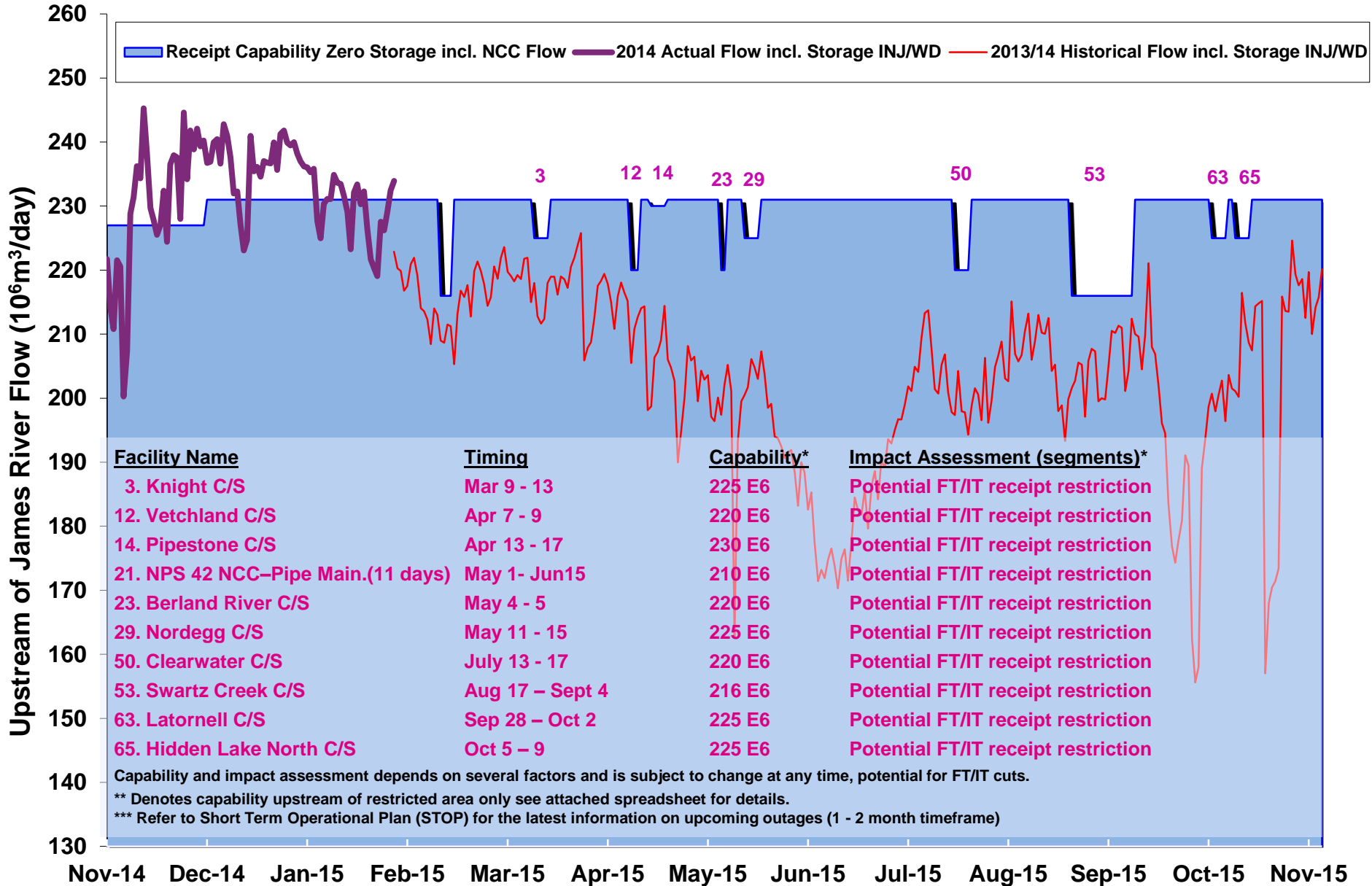
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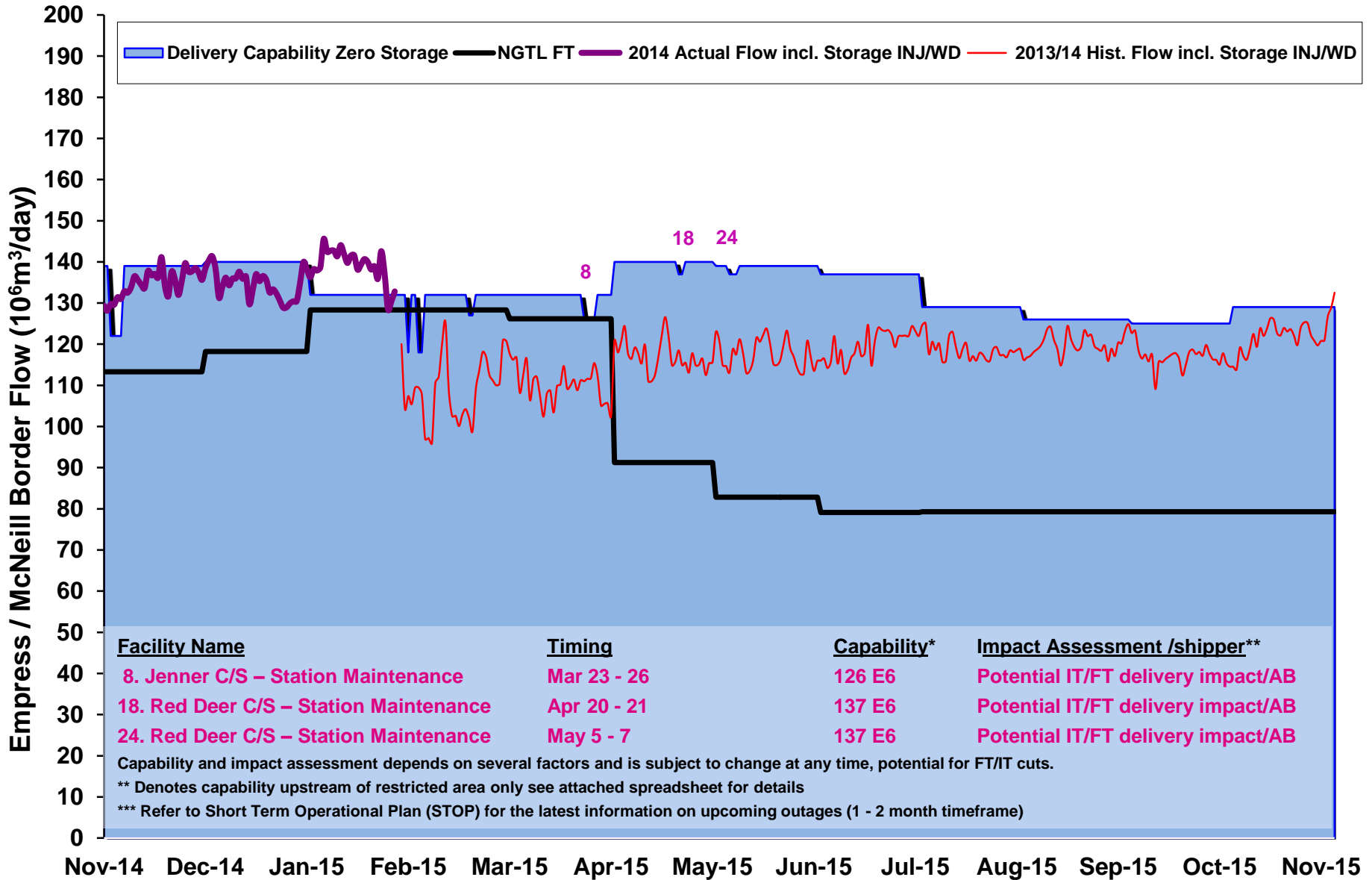
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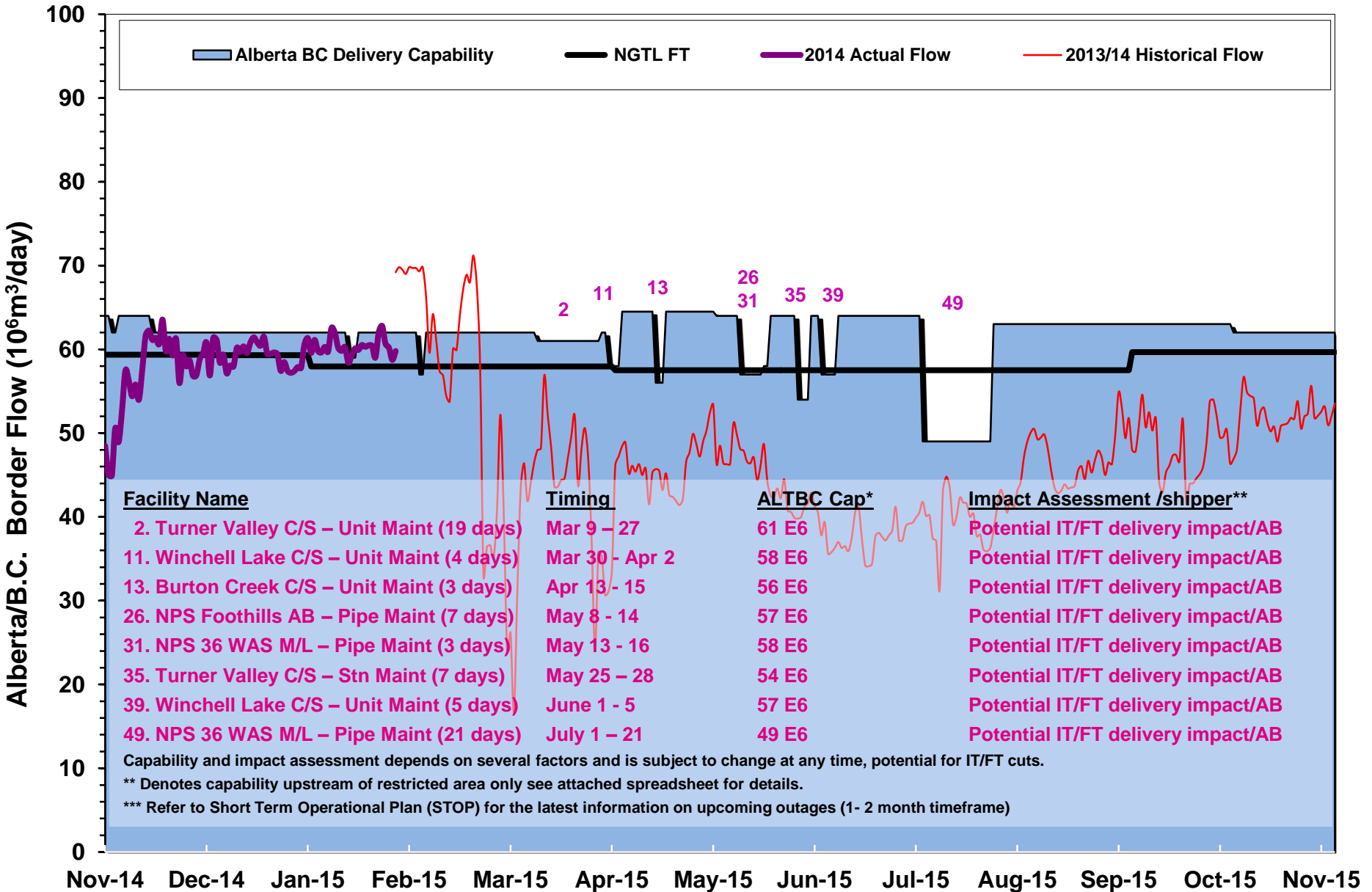
# Upstream of James River Outlook



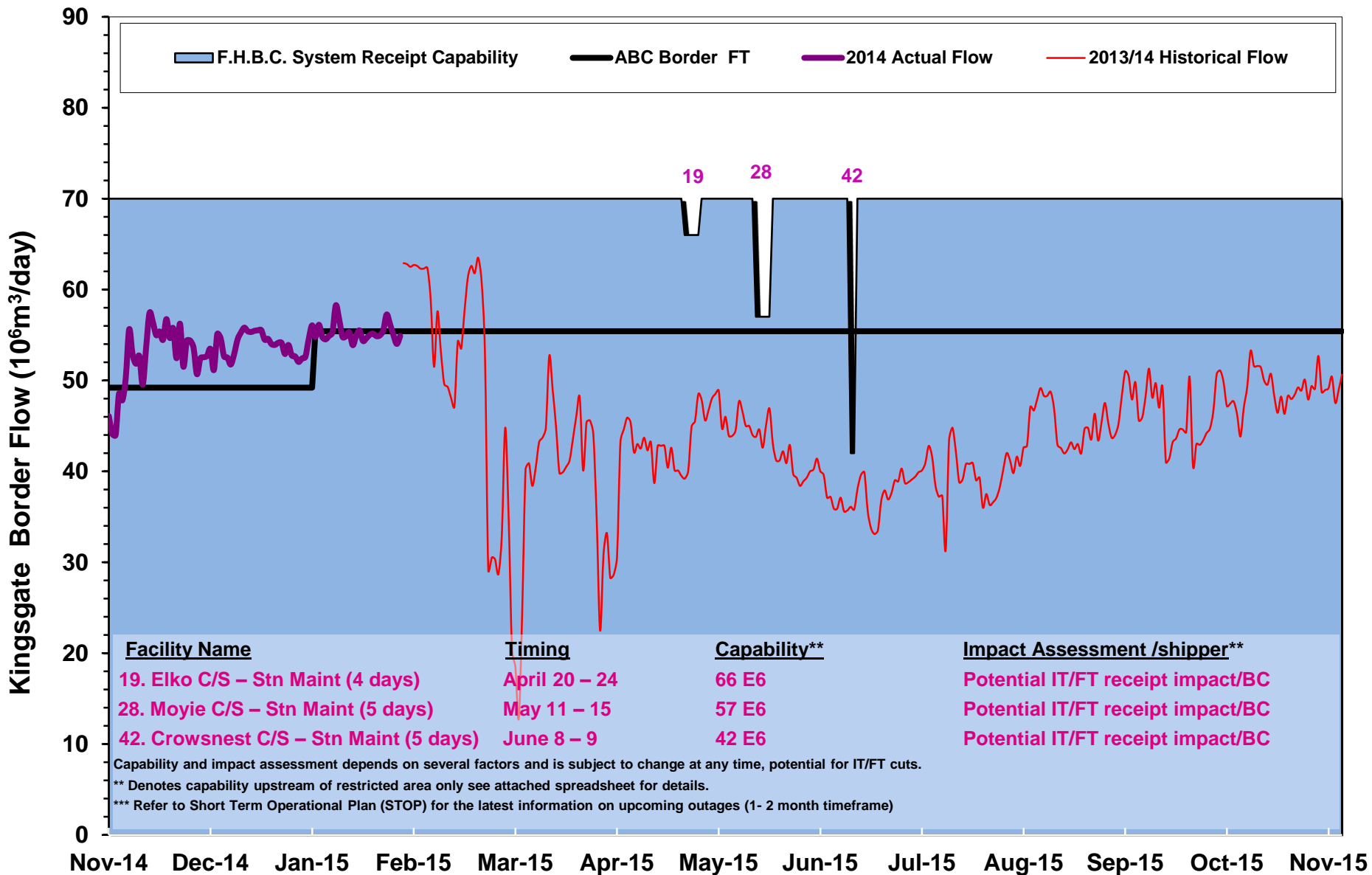
# Empress / McNeill Border Outlook



# Alberta B.C. Border Outlook

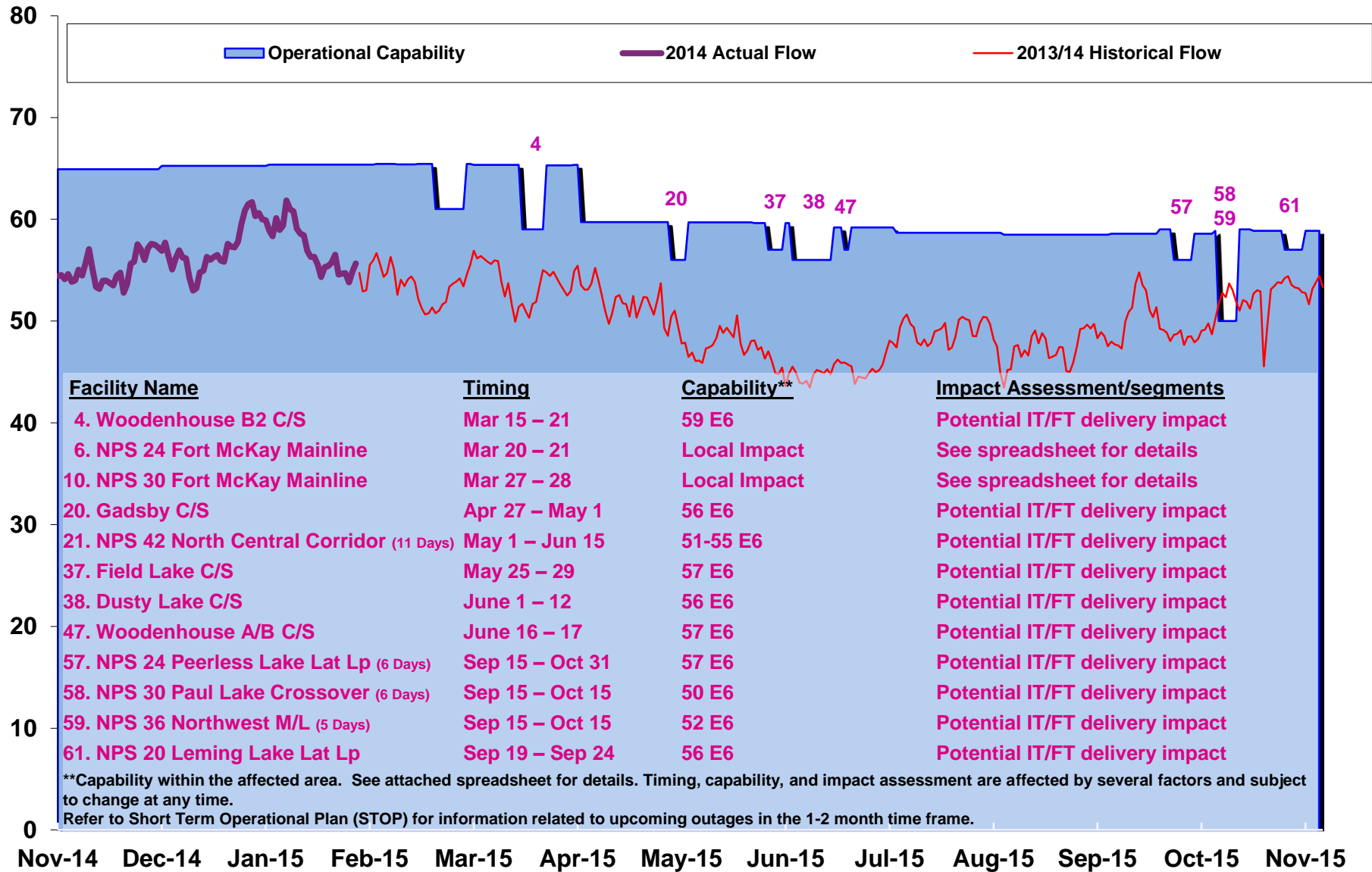


# Kingsgate Outlook



# 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 February 2015 as of Jan 29, 2015

ID	SEG	OUTAGE DESCRIPTION	DATES		RECEIPT/DELIVERY IMPACT	CONTACT	AREA
			STAR	FINIS			
1	1	<b>NPS 12 Paddle Prairie Lateral</b> - Pipeline Modifications (6 days within window).	03/01/15	03/15/15	Nil required for Keg River East meter station. Typical flow 35 E3m3. Potential IT/FT restriction required for Paddle Prairie, Paddle Prairie South, Boyer and Boyer East meter stations. Capability 0 to 400 E3m3. Typical flow 400 E3m3.	Brooke Dillabough	Local
2	21	<b>Turner Valley #1-</b> Station Maintenance (19 days).	03/09/15	03/27/15	Potential IT/FT delivery restriction at ALTBC. Capability 61 E6, Typical flow 59-63 E6	Damola Daramola	ALTBC
3	5	<b>Knight C/S</b> - Station Maintenance (5 days).	03/09/15	03/13/15	Potential IT/FT receipt restriction in Segments 1-5, 7, 24 & 26 (Upstream of James River). Capability = 225 E6m3. Typical flow 220 - 240 E6m3.	Brooke Dillabough	USJR
4	6	<b>Woodenhouse B2 C/S</b> - Station Maintenance (6 days)	03/15/15	03/21/15	Potential IT/FT delivery restriction in Segments 10, 11 & 14. Capability: 59 E6. Typical Flow: 50-55 E6	Ashley Lim	OSDA
5	21	<b>Drywood C/S</b> - Station Maint (2 days) <b>New</b>	03/17/15	03/18/15	Potential IT/FT delivery restriction at Alberta Montana Border. Capability 1300 E3. Typical flow 800- 1200 E3.	Damola Daramola	Local
6	10	<b>NPS 24 Fort McKay Mainline</b> - Pipeline Maintenance (2 days).	03/20/15	03/21/15	IT/FT delivery restriction required for Aspen Sales, Wapasu Creek Sales, Kearsy Sales and Firebag Sales meter stations. Capability = 6080 E3m3. Typical flow 8300 E3m3.	Ashley Lim	OSDA
7	7	<b>Musreau Lake West M/S</b> - Piping Modifications (2 days within window). <b>New</b>	03/22/15	03/26/15	Nil required for Musreau Lake West receipt meter station. Typical flow 3500 E3m3.	Mike Wylie	Local
8	20	<b>Jenner C/S-</b> Station Maintenance (4 days).	03/23/15	03/26/15	Potential IT/FT delivery restriction at EGAT. Capability 126 E6, Typical flow 132-140 E6	Damola Daramola	EGAT
9	7	<b>NPS 16 Demmitt and Goodfare Laterals</b> - Pipeline Maintenance (4 days).	03/23/15	03/27/15	IT/FT restriction required for Demmitt, Brainard Lake and Goodfare meter stations. Capability = 2500 E3m3. Typical flow 4000 to 6000 E3m3. IT/FT restriction required for Demmitt #2 and Hythe meter stations. Capability = 6000 E3m3. Typical flow 4000 to 6000 E3m3.	Brooke Dillabough	Local

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		DATES				
	#	OUTAGE DESCRIPTION	STAR	FINIS	RECEIPT/DELIVERY IMPACT	CONTACT	AREA
10	10	<b>NPS 30 Fort McKay Mainline</b> (2 days)	03/27/15	03/28/15	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
11	21	<b>Winchell Lake C/S</b> - Station Maint (4 days)	03/30/15	04/02/15	Potential IT/FT delivery restriction at ALTBC. Capability 58 E6. Typical flow 40 - 65 E6.	Damola Daramola	ALTBC
12	8	<b>Vetchland C/S</b> - Station Maintenance (3 days). <b>New</b>	04/07/15	04/09/15	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
13	21	<b>Burton Creek C/S</b> - Station Maint. (3 days)	04/13/15	04/15/15	Potential IT/FT delivery restriction at ALTBC. Capability 56 E6. Typical flow 40 - 65 E6.	Damola Daramola	ALTBC
14	7	<b>Pipestone C/S</b> - Station Maintenance (5 days). <b>New</b>	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
15	5	<b>NPS 20 Kaybob Lateral</b> - Pipeline Maintenance (7 days). <b>Impact revised</b>	04/14/15	04/20/15	Nils <b>no longer</b> required for Clark Lake, Kaybob, Two Creeks, Two Creeks East and Chickadee Creek West, Raspberry Lake meter stations.	Rahim Ruda	Local
16	18	<b>NPS 12 Seiu Creek Lateral</b> - 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
17	9	<b>NPS 6 Ferrier Lateral</b> - Pipeline Modifications (6 days within window).	04/15/15	04/30/15	Nils required for Ferrier, Ferrier South A and Codner meter stations. Typical flow 1000 E3m3.	Rahim Ruda	Local
18	16	<b>Red Deer C/S</b> - 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

SEG		OUTAGE DESCRIPTION	DATES		RECEIPT/DELIVERY IMPACT	CONTACT	AREA
#			STAR	FINIS			
19	21	<b>Elko C/S</b> - 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
20	15	<b>Gadsby C/S</b> - Station Maint (5 days). <b>Impact revised</b>	04/27/15	05/01/15	Potential IT/FT delivery restriction in Segments 10, 11 & 14. Capability: 56 E6. Typical Flow: 50-55 E6	Ashley Lim	OSDA
21	6	<b>NPS 42 North Central Corridor (Meikle to Woodenhouse)</b> - Pipeline Maintenance (11 days within window). <b>Dates Under Review.</b>	05/01/15	06/15/15	Potential IT/FT delivery restriction in Segments 10, 11 & 14. Capability 51-55 E6. Typical flow 50 - 55 E6. Potential IT/FT receipt restriction in Segments 1-5, 7-9 & 26 (Upstream of James River). Capability 210 E6. Typical flow 175-225 E6	Rahim Ruda	OSDA USJR
22	7	<b>NPS 24 Grande Prairie Mainline Loop</b> - Pipeline Maintenance (4 days).	05/03/15	05/06/15	Potential IT/FT restriction required for Segments 1-5, 26 and partial 7 (upstream of Gold Creek Compressor Station). Capability = 120 E6m3. Typical flow 120 to 130 E6m3.	Rahim Ruda	USJR
23	7	<b>Berland River C/S</b> - Station Maintenance (2 days). <b>New</b>	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
24	16	<b>Red Deer C/S</b> - 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
25	4	<b>Saddle Hills C/S</b> - Station Maintenance (2 days). <b>New</b>	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
26	18	<b>NPS 36 Foothills AB Zone 7</b> - Pipeline Maintenance (7 days). <b>New</b>	05/08/15	05/14/15	Potential IT/FT delivery restriction at ALTBC. Capability 57 E6, Typical flow 59-63 E6	Damola Daramola	ALTBC
27	3	<b>NPS 10 Marlow Creek Lateral</b> - Pipeline Maintenance (6 days). <b>Cancelled</b>	05/09/15	05/14/15	Nils required for Marlow Creek and Jackpot Creek Sales meter stations. Typical flow 0 to 150 E3m3.	Chuang Li	Local

	SEG	OUTAGE DESCRIPTION	DATES		RECEIPT/DELIVERY IMPACT	CONTACT	AREA
	#		STAR	FINIS			
28	21	<b>Moyie C/S</b> - 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
29	8	<b>Nordegg C/S</b> - Station Maintenance (5 days). <b>New</b>	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
30	6	<b>Slave Lake C/S</b> - 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)	Andrea Watters	Local
31	21	<b>NPS 36 WAS Mainline</b> -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
32	17	<b>NPS 16 Nevis Lateral</b> - Pipeline Modifications (4 days within window). <b>New</b>	05/15/15	06/15/15	Nils required for Hummock Lake, Mikwan North, & Lousana receipt meter stations. Typical flow 430 E3m3.	Mike Wylie	Local
33	8	<b>NPS 42 Edson Mainline Loop</b> - Pipeline Maintenance (10 days) <b>New</b>	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
34	20	<b>NPS 12 Alderson Lateral</b> - Pipeline Modifications (5 days within window). <b>Dates Revised</b>	05/25/15	06/05/15	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
35	21	<b>Turner Valley C/S</b> - 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
36	8	<b>Wolf Lake C/S</b> - Station Maintenance (5 days). <b>New</b>	05/25/15	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

	SEG		DATES				
	#	OUTAGE DESCRIPTION	STAR	FINIS	RECEIPT/DELIVERY IMPACT	CONTACT	AREA
37	11	<b>Field Lake C/S</b> - Station Maint (5 days).	05/25/15	05/29/15	Potential IT/FT delivery restriction in Segments 10, 11 & 14. . Capability: 57 E6. Typical Flow: 50-55 E6	Andrea Watters	OSDA
38	15	<b>Dusty Lake C/S</b> - Station Maintenance (12 days). <b>New</b>	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
39	21	<b>Winchell Lake C/S</b> - 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
40	23	<b>NPS 6 Chauvin Lateral</b> - 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
41	18	<b>NPS 10 Lone Pine Creek Lateral</b> - Pipeline Modifications (6 days within window). <b>Dates Revised</b>	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
42	21	<b>Crow A/B C/S</b> - 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
43	7	<b>Gold Creek C/S</b> - Station Maintenance (3 days). <b>New</b>	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
44	1	<b>NPS 10 Paddle Prairie Lateral</b> - 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
45	2	<b>Cranberry Lake Sales</b> - Meter Station Maint (9 hrs)	06/15/15	06/15/15	Nil required to Cranberry Lake Sales. Typical flow 170 E3M3	Bruce Hansen	Local

	SEG	OUTAGE DESCRIPTION	DATES		RECEIPT/DELIVERY IMPACT	CONTACT	AREA
			STAR	FINIS			
46	6	<b>NPS 10 Cadotte River Lateral</b> - Pipeline Modifications (3 days within window). <b>New</b>	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
47	6	<b>Woodenhouse A/B C/S</b> - 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
48	20	<b>NPS 12 Alderson Lateral</b> - Pipeline Maintenance (7 days within window). <b>Dates Revised</b>	07/01/15	07/31/15	Nils required to Alderson North, Bantry, Tilley and Tilley South #2 meter stations. Typical flow 900 E3m3.	Rahim Ruda	Local
49	21	<b>NPS 36 Western Alberta System M/L</b> - Pipeline Upgrades (3 weeks within window). <b>New</b>	07/01/15	07/31/15	Potential IT/FT delivery restriction at ALTBC. Capability 49 E6. Typical flow 45 - 55 E6.	Mike Wylie	ALTBC
50	8	<b>Clearwater C/S</b> - Station Maintenance (5 days). <b>New</b>	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
51	20	<b>NPS 16 Alderson Lateral Extension</b> - 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
52	19	<b>NPS 42 Foothills Pipeline Zone 9</b> - Pipeline Maintenance (7 days within window). <b>Dates revised.</b>	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
53	8	<b>Swartz Creek C/S</b> - Station Maintenance (19 days). <b>New</b>	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
54	23	<b>NPS 6 Chauvin Lateral</b> - Pipeline Maintenance (6 days).	08/20/15	08/25/15	Nils required for Estridge Lake and Chauvin meter stations. Typical flow 70 E3m3.	Rahim Ruda	Local

	SEG		DATES				
	#	OUTAGE DESCRIPTION	STAR	FINIS	RECEIPT/DELIVERY IMPACT	CONTACT	AREA
55	13	<b>NPS 8 Big Bend Lateral</b> - 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
56	22	<b>NPS 18 Castle River Montana Lateral Loop</b> - 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
57	6	<b>NPS 24 Peerless Lake Lateral Loop</b> - 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
58	12	<b>NPS 30 Paul Lake Crossover</b> - 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. <b>To be potentially aligned with the NPS 36 Northwest Mainline as a single outage.</b>	Rahim Ruda	OSDA USJR
59	4	<b>NPS 36 Northwest Mainline</b> - 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. <b>To be potentially aligned with the NPS 30 Paul Lake Crossover as a single outage.</b>	Rahim Ruda	OSDA USJR
60	10	<b>NPS 12 Moosa Lateral</b> - 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
61	11	<b>NPS 20 Leming Lake Lateral Loop</b> - 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
62	7	<b>NPS 30 Grande Prairie Mainline Loop</b> - 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
63	7	<b>Latornell C/S</b> - Station Maintenance (5 days). <b>New</b>	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



	SEG		DATES				
	#	OUTAGE DESCRIPTION	STAR	FINIS	RECEIPT/DELIVERY IMPACT	CONTACT	ARE
64	8	<b>NPS 30 January Creek Lateral</b> - 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
65	3	<b>Hidden Lake North C/S</b> - Station Maintenance (5 days). <b>New</b>	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
66	7	<b>NPS 16/20 Grande Prairie Mainline</b> - Pipeline Modifications (6 days within window)	11/01/15	11/15/15	Nils required for Bear River West, Bear River, Valhalla, Valhalla #2 and Wembley meter stations. Typical flow 4500 E3m3.	Rahim Ruda	Local
67	7	<b>NPS 20/24 Grande Prairie Mainline</b> - Pipeline Modifications (6 days within window)	11/01/15	11/15/15	Potential IT/FT restriction required for Brainard Lake, Demmitt, Demmitt 2, Elmworth High, Goodfare, Hythe and Bear River West meter stations. Capability 24 E6m3. Typical flow 19 to 23.5 E6m3.	Rahim Ruda	Local
68	13	<b>NPS 8 Big Bend Lateral</b> - Pipeline Maintenance (6 days).	11/08/15	11/13/15	Nil required for Big Bend meter station. Typical flow 130 E3m3.	Andrea Watters	Local