SYSTEM UTILIZATION AND RELIABILITY MONTHLY REPORT

for the month ending March 2013

http://www.transcanada.com/customerexpress/2885.html

Published date: May 23, 2013

Highlights This Month:

- The average actual flow for the dominant flow condition in each of the Alberta design areas is compared against the corresponding design capability to obtain a measure of pipeline utilization. Consequently, design capability utilization is measured as Average Actual Flow / Seasonal Design Capability.
- FT Receipt Availability over a 3 month average from January 1, 2013 March 31, 2013 was deemed to be 100% available in all pipe segments.
- Border Availability at Empress/McNeill, Gordondale and Alberta/BC, over a 3 month average from January 1, 2013 March 31, 2013 were all deemed 100% available.
- The Firm Transportation service contract utilization table (page 3 of this report) illustrates the FT and FT + IT utilization for receipts and deliveries.
- Design methodology for The Marten Hills Area is currently being reviewed. The chart currently displays up to date throughput without a corresponding Capability value.

NOVA Gas Transmission Ltd.



TABLE OF CONTENTS

MONTHLY FEATURES	PAGE
Firm Transportation Service Contract Utilization	3
Design Capability Utilization	
Ft. McMurray Area – Flow Within	4
Kirby Area – Flow Within	
North of Bens Lake – Flow Within	6
North & South of Bens Lake – Flow Within	7
Upper Peace River	
Upper & Central Peace River	
Peace River Design	10
Marten Hills	11
Upstream James River	12
South & Alderson – Flow Within	13
Rimbey Nevis – Flow Within	14
Eastern Alberta Mainline (James River to Princess)	15
Medicine Hat - Flow Within	
Eastern Alberta Mainline (Princess to Empress/McNeill)	
Western Alberta Mainline (AB/BC & AB/Montana Borders)	18
Historical Transportation Service Availability (3 Month Average)	19
Future Firm Transportation Service Availability	
How to Use This Report	
··	
REFERENCES	
NGTL Design Areas Map	23
NGTL Pipeline Segments Map	24
Definition of Terms	25

If you have any questions on the content of this report, contact Winston Cao at (403) 920-5315 or via fax at (403) 920-2357.



FIRM TRANSPORTATION SERVICE¹ CONTRACT UTILIZATION³

By NGTL Pipeline Segments March 2013

		C. 2010				
		Deli		Re	ceipt	
G.,	C4	Utilization	Mar CD (TJ/d)	Utilization	Mar CD	
Segment UPRM	Contract FT	4%	25.4	83%	(MINICI/U) 65	
0110.1	$\mathbf{FT} + \mathbf{IT}^2$	10%	2011	93%	0.2	
LPRM	FT FT + IT	0% 0%	0.0	0% 0%	o	
PRLL	FT FT + IT	51% 53%	42.2	93% 102%	120	
NWML	FT FT + IT	30% 82%	5.0	43% 45%	646	
GRDL	FT FT + IT	19% 111%	8.9	82% 84%	1,672	
WRSY	FT FT + IT	0% 0%	0.0	84% 98%	24	
WAEX	FT FT + IT	31% 107%	15.4	62% 75%	333	
JUDY	FT FT + IT	34% 40%	46.1	91% 112%	112	
GPML	FT FT + IT	52% 69%	159.5	90% 95%	3,030	
CENT	FT FT + IT	6% 11%	10.4	97% 124%	839	
LPOL	FT FT + IT	33% 43%	81.8	95% 124%	501	
WGAT	FT FT + IT	73% 77%	3,347.5	88% 102%	456	
ALEG	FT FT + IT	55% 68%	316.6	97% 115%	893	
SLAT	FT FT + IT	40% 40%	169.2	95% 112%	242	
MLAT	FT FT + IT	84% 89%	262.1	83% 96%	209	
BLEG	FT FT + IT	68% 77%	144.2	96% 107%	615	
EGAT	FT FT + IT	95% 108%	3,962.9	95% 111%	39	
MRTN	FT FT + IT	17% 26%	38.8	83% 104%	82	
LIEG	FT FT + IT	78% 90%	1,144.8	64% 219%	28	
KIRB	FT FT + IT	79% 89%	841.8	74% 123%	37	
SMHI	FT FT + IT	78% 107%	12.0	82% 134%	39	
REDL	FT FT + IT	76% 120%	13.1	77% 113%	48	
COLD	FT FT + IT	80% 134%	55.7	67% 100%	34	
EDM	FT FT + IT	55% 56%	1,692.5	94% 129%	66	
NLAT	FT FT + IT	51% 57%	15.4	96% 121%	147	
WAIN	FT FT + IT	35% 35%	0.4	74% 150%	8	
ELAT	FT FT + IT	87% 88%	257.9	87% 114%	146	
TOTAL SYSTEM	FT FT + IT	77% 85%	12,670.0	86% 98%	10,434	

*NOTE:

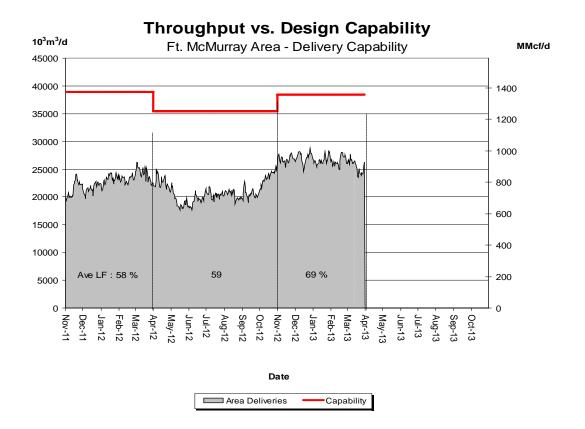
If includes all receipt and delivery Interruptible Services: ITR, FIR, FIR, LSS, FID, FID,
 If includes all receipt and delivery Interruptible Services: ITR, FRO, ITD1, ITD2, and FDO.
 Utilization data is based on billed monthly volumes. Percent utilization calculated as FT and FT + IT billed volumes divided by applicable receipt or delivery Contract level.



^{1.} FT includes all receipt and delivery Firm Transportation Services: FTR, FTRN, LRS, FTD1, FTD2,

DESIGN CAPABILITY UTILIZATION FT. McMURRAY AREA – FLOW WITHIN



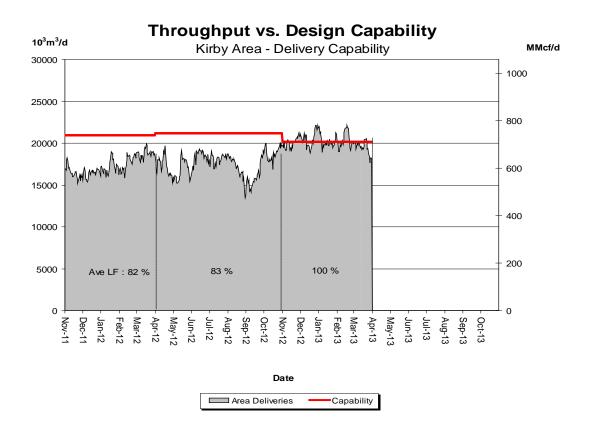


% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability							
Average Flow/	Oct	Nov	Dec	Jan	Feb	Mar	
Design Capability	66	70	70	69	69	66	



DESIGN CAPABILITY UTILIZATION KIRBY AREA – FLOW WITHIN



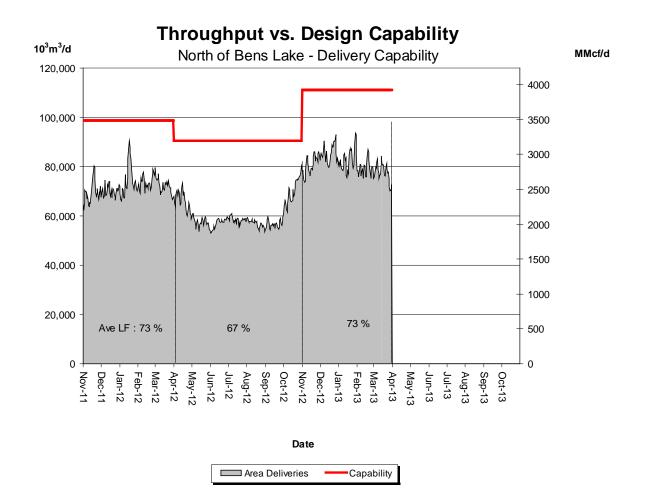


% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability							
Average Flow/ Design Capability	Average Flow/ Oct Nov Dec Jan Feb Mar Design Capability 89 99 102 101 101 97						



DESIGN CAPABILITY UTILIZATION NORTH OF BENS LAKE – FLOW WITHIN



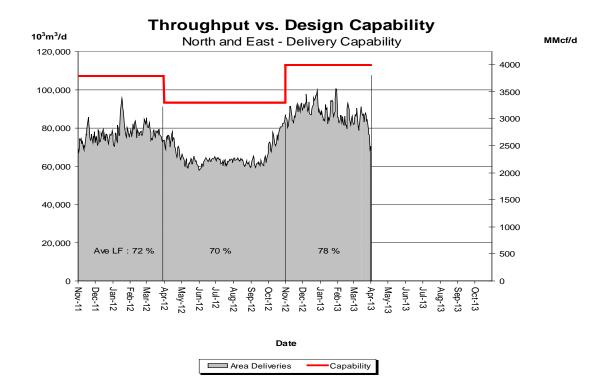


% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/	Oct	Nov	Dec	Jan	Feb	Mar
Design Capability	77	73	77	75	71	70



DESIGN CAPABILITY UTILIZATION NORTH & SOUTH OF BENS LAKE – FLOW WITHIN



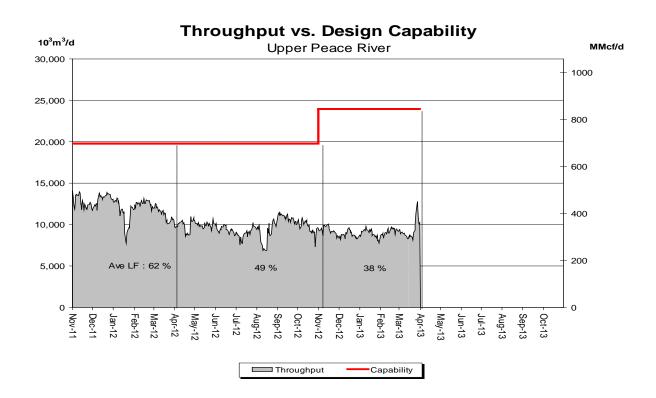


% Design Capability Utilization Monthly Average Actual Area Deliveries as a Percentage of Design Capability							
Average Flow/	Oct	Nov	Dec	Jan	Feb	Mar	
Design Capability	81	78	81	79	75	74	



DESIGN CAPABILITY UTILIZATION UPPER PEACE RIVER



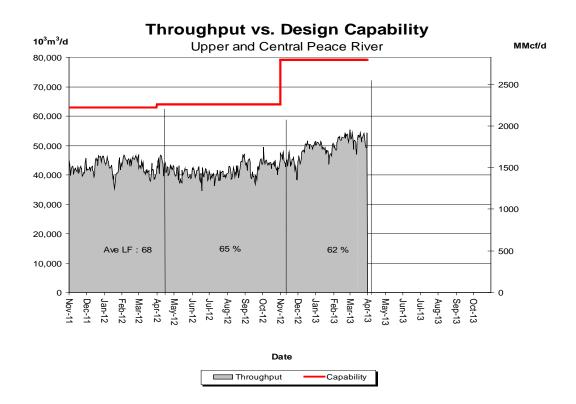


% Design Capability Utilization Monthly Average Actual Flow as a Percentage of Design Capability						
Average Flow/	Oct	Nov	Dec	Jan	Feb	Mar
Design Capability	49	39	37	37	38	39









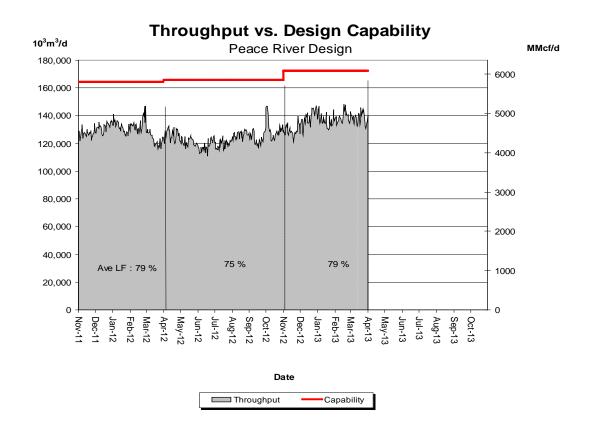
% Design Capability Utilization Monthly Average Actual Flow as a Percentage of Capability						
Average Flow/	Oct	Nov	Dec	Jan	Feb	Mar
Design Capability	68	56	61	62	65	66



DESIGN CAPABILITY UTILIZATION PEACE RIVER DESIGN

(Upper, Central and Lower Peace River)



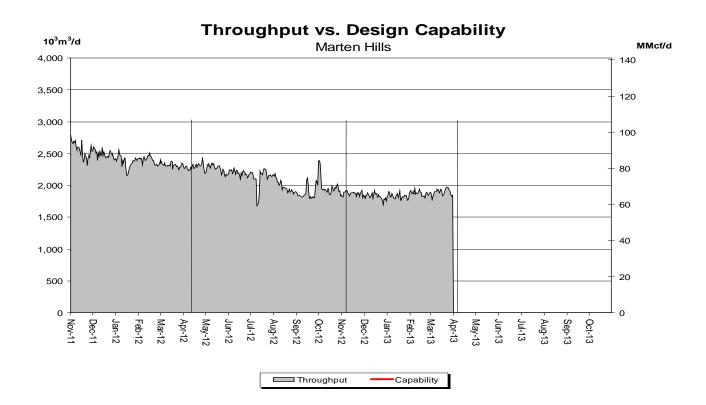


% Design Capability Utilization Monthly Average Actual Flow as a Percentage of Design Capability						
Average Flow/	Oct	Nov	Dec	Jan	Feb	Mar
Design Capability	78	75	80	79	81	80



DESIGN CAPABILITY UTILIZATION MARTEN HILLS



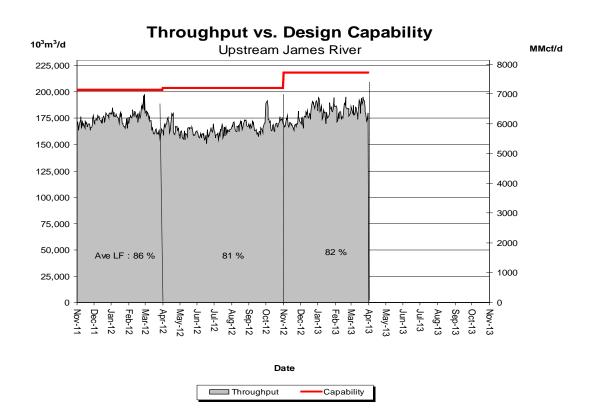


Design methodology for Marten Hills Area currently being reviewed. Chart currently displays up to date throughput without a corresponding Capability value.



DESIGN CAPABILITY UTILIZATION UPSTREAM JAMES RIVER

(Edson Mainline, Peace River Design and Marten Hills)

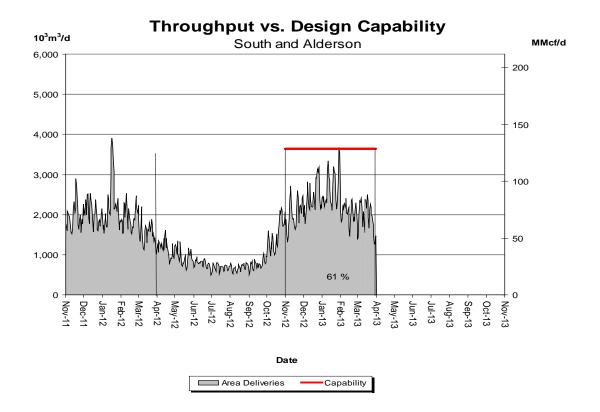


% Design Capability Utilization Monthly Average Actual Flow as a Percentage of Design Capability						
Average Flow/	Oct	Nov	Dec	Jan	Feb	Mar
Design Capability	84	78	82	83	82	84



DESIGN CAPABILITY UTILIZATION SOUTH and ALDERSON – FLOW WITHIN



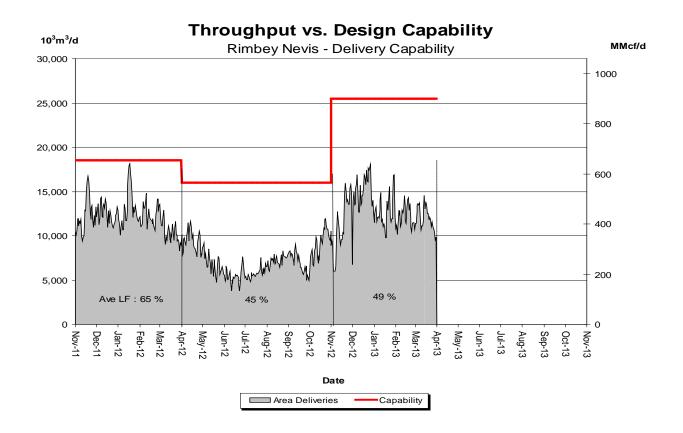


% Design Capability Utilization Monthly Average Actual Flow as a Percentage of Design Capability							
Average Flow/	Oct	Nov	Dec	Jan	Feb	Mar	
Design Capability		55	67	72	57	53	



DESIGN CAPABILITY UTILIZATION RIMBEY-NEVIS – FLOW WITHIN





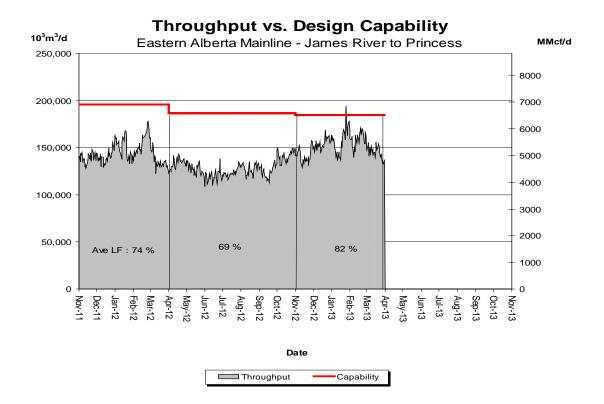
% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability							
Average Flow/	Oct	Nov	Dec	Jan	Feb	Mar	
Design Capability	58	44	58	50	48	47	



DESIGN CAPABILITY UTILIZATION EASTERN ALBERTA MAINLINE

(James River to Princess)



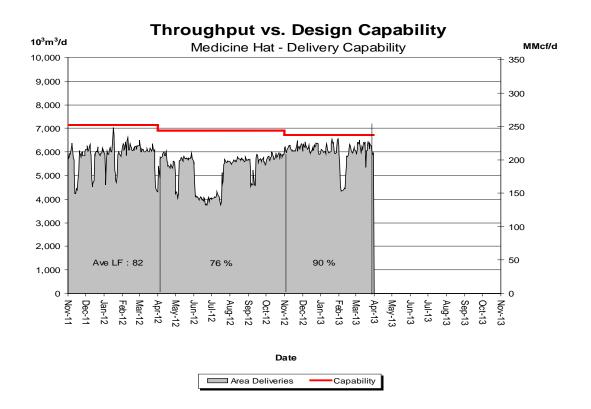


Month	% Design Capability Utilization Monthly Average Actual Flow as a Percentage of Design Capability						
Average Flow/	Oct	Nov	Dec	Jan	Feb	Mar	
Design Capability	76	76	84	85	86	79	



DESIGN CAPABILITY UTILIZATION MEDICINE HAT – FLOW WITHIN





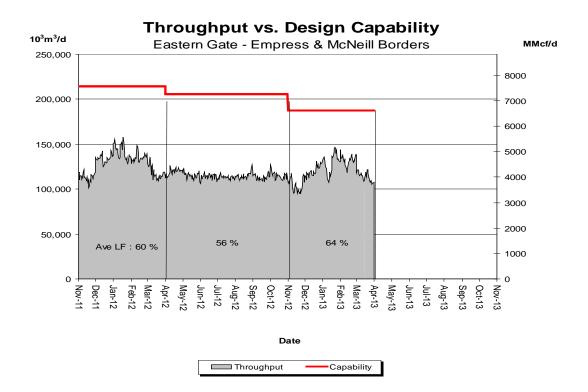
% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/	Oct	Nov	Dec	Jan	Feb	Mar
Design Capability	84	91	91	91	81	92



DESIGN CAPABILITY UTILIZATION EASTERN ALBERTA MAINLINE

(Princess to Empress / McNeill)





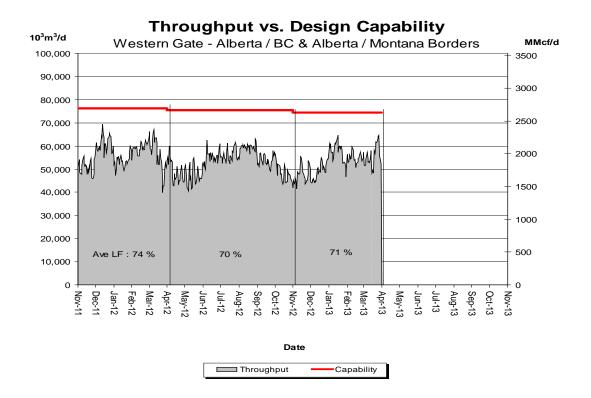
Avo	% Design Capability Utilization erage Actual Flow as a Percentage of Design Capability							
Average Flow / Design Capability	Oct	Nov	Dec	Jan	Feb	Mar		
	56	56	64	69	71	61		



DESIGN CAPABILITY UTILIZATION WESTERN ALBERTA MAINLINE

(Alberta/B.C. and Alberta/Montana Borders)





% Design Capability Utilization Average Actual Flow as a Percentage of Design Capability							
A El /	Oct	Nov	Dec	Jan	Feb	Mar	
Average Flow /		- 1.0 .					
Design Capability	64	64	66	77	74	74	



HISTORICAL TRANSPORTATION SERVICE AVAILABILITY

January 1, 2013 to March 31, 2013 (3 Month Average)

Receipt Area IT-R Service Firm Service Firm Service Restriction Restricted(1)	
Peace River UPRM 1 100 100 0 0 0 NWML 3 100 100 0 0 0 0 GRDL 4 100 100 0 0 0 0 WAEX 5 100 100 0 0 0 0 JUDY 24 100 100 0 0 0 0 WRSY 26 100 100 0 0 0 0 LPRM 27 100 100 0 0 0 0 GPML 7 100 100 0 0 0 0	
Peace River UPRM 1 100 100 0 0 0 PRLL 2 100 100 0 0 0 0 NWML 3 100 100 0 0 0 0 GRDL 4 100 100 0 0 0 0 WAEX 5 100 100 0 0 0 0 JUDY 24 100 100 0 0 0 0 WRSY 26 100 100 0 0 0 0 LPRM 27 100 100 0 0 0 0 GPML 7 100 100 0 0 0 0	
PRLL 2 100 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
NWML 3 100 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
GRDL 4 100 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
WAEX 5 100 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
JUDY24 100 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
WRSY26 100 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
LPRM 27 100 100 0 0 0 GPML 7 100 100 0 0 0	
GPML 7 100 100 0 0 0	
Central CENT 8 100 100 0 0 0	
LPOL 9 100 100 0 0	
North & East Upstream LIEG 10 100 100 0 0	
of Bens Lake KIRB 11 100 100 0 0	
MRTN 6 100 100 0 <u>0</u>	
SMHI12 100 100 0 <u>0</u>	
REDL 13 100 100 0 0 0	
COLD 14 100 100 0 0 0	
Downstream of NLAT 15 100 100 0 0 0	
Bens Lake ELAT 16 100 100 0 0 0	
WAIN 23 100 100 0 0 0	
Rimbey/Nevis ALEG 17 100 100 0 0	
Eastern Mainline BLEG 18 100 100 0 0 0	
EGAT 19 100 100 0 0 0	
MLAT 20 100 100 0 <u>0</u>	
SLAT 22 100 100 0 0 0	
Western Mainline WGAT 21 100 100 0 0 0	

Borders		IT-D Service	Firm Service	Firm Service	% CD Res	stricted ⁽¹⁾	Causes/Comments (3)
	Available ⁽²⁾	Available ⁽²⁾	Available	Restriction			
	(% of time)	(% of time)	(% of time)	(% of time)	Max	Average	
Empress/McNeill		100	100	0	0	0	
Alberta-BC		100	100	0	0	0	
Gordondale		100	100	0	0	0	



FUTURE FIRM TRANSPORTATION SERVICE AVAILABILITY (MAINLINE RESTRICTIONS)

Receipt and Delivery Firm Transportation Guidelines

Firm Transportation Location	Authorize Firm Transportation Service By	To Ensure Firm Transportation Service By
Summer construction (generally south of Edmonton)	November 2012	November 2014
Winter construction (generally north of Edmonton)	November 2012	April 2015

Estimated Firm Transportation Service Availability

Please refer to the following web site for current FT-R / FT-D Availability Maps:

http://staging.transcanada.com/customer express/2801.html

If your needs for firm transportation service arise after the above dates to "Authorize Firm Transportation Service By", NGTL will evaluate your new receipt firm transportation service or firm service transfer requests on a date-stamped basis.

Please consult with your Customer Sales Representative to discuss your Firm Transportation Service needs.



HOW TO USE THIS REPORT

Overview

This report contains recent historical information on the level of utilization of firm transportation Service Agreements on the NGTL system, relative usage of interruptible service, level of utilization of design pipeline capacity, and the availability of transportation services as an indication of system reliability.

Data is reported either by *Pipeline Segment* (26 on the system) or *Design Area* (13 on the system). Maps of both are included in the reference section.

Firm Transportation Service Contract Utilization

The Firm Transportation Service Contract Utilization report shows the percent utilization for each of the 26 NGTL pipeline segments and 3 major export delivery points comprising the total system. The utilization data is based on billed monthly volumes. Percent utilization is calculated as firm transportation service and firm transportation service + interruptible service divided by applicable receipt or delivery contract level. Historical Data involving billed volumes lags the current date by approximately two months.

Design Capability Utilization

The load factor/segment flow graphs show actual flow versus design capability values for various NGTL system areas. The graphs also show seasonal (winter/summer) design capability and average load factors for each season. Data used in these reports lags the current date by one month.

Design Flow Capability utilization is a function of several factors that include:

- Total market demand for Alberta natural gas.
- Seasonal changes in market demand for Alberta natural gas.
- Receipt nominating practices of customers individually and in aggregate to meet that level of demand.
- Effect of scheduled maintenance on actual flow requirement in a design area at any given time.
- Design assumptions used in determining required segment flow requirement.



HOW TO USE THIS REPORT - continued

Historical Transportation Service Availability

Transportation Service Availability is a system utilization measure that identifies the degree to which firm and interruptible transportation services are available on the NGTL system. It includes the historical frequency of service restriction experienced by the gas transmission network by service type and by pipeline segment.

The data shows the percentage of a given time period that a service type was available for a given section of the system. Service availability less than 100 percent means that some level of transportation service has been restricted for a portion of the time period.

Priority of transportation service on the NGTL system is firm transportation service, and then interruptible (IT). If transportation is restricted within a segment, all service within that segment of a lower priority will be affected.

Service availability is affected by a number of factors including scheduled and unscheduled maintenance, construction or other outages.

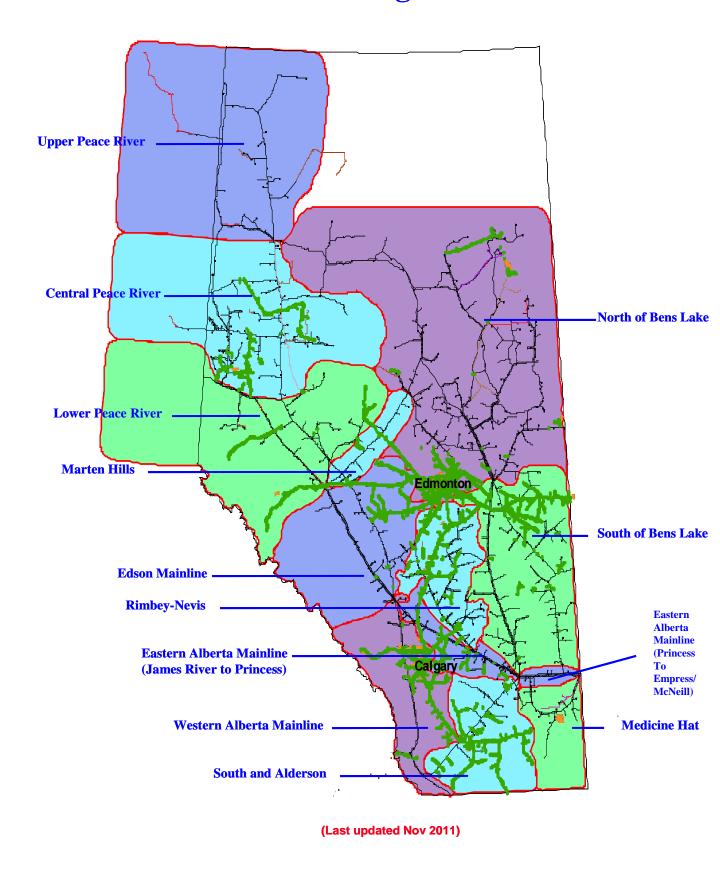
As a monthly feature the Historical Transportation Service Availability is shown as a three-month rolling average of transportation availability.

Future Firm Transportation Service Availability

The Future Firm Transportation Service Availability report presents guidelines and timing for all future firm transportation service requests.

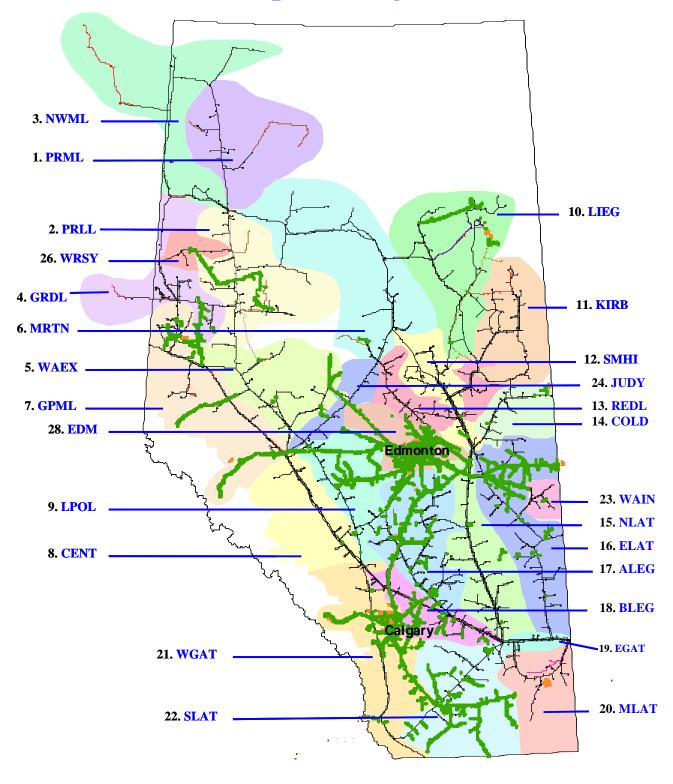


NGTL Design Areas





NGTL Pipeline Segments



DEFINITION OF TERMS

Design Capability Utilization

Actual Flow

The amount of gas flowing within or out of our design area.

Design Capability

The volume of gas that can be transported at various points on the pipeline system considering design assumptions.

AVGLF (Average Load Factor)

The ratio between average *Actual Flow* and *Design Capability*. It is calculated for every design season (summer/winter) as shown on the graphs.

Intra-Alberta Deliveries

The amount of sales gas flowing off the system within an area.

Receipt Flow

Aggregate of actual receipts within an area and the *Actual Flow* of the upstream area.

Historical Transportation Service Availability

Average % CD Restricted

The average percentage of the entire segment receipt contract demand restricted during periods of restriction.

Firm Service Available

The percentage of time that all requested firm transportation service requests were transported within a segment.

Firm Service Restriction

Percentage of time firm service is restricted.

IT-2 Service Available

The percentage of time that IT-2 service requests were transported.

Max % CD Restricted

The maximum percentage to which the entire segment contract demand was restricted.

Other

System Load Factor

The volume weighted average of the Average Load Factor (AVGLF) of all design areas on the system

