SYSTEM UTILIZATION MONTHLY REPORT

for the month ending May 2018

http://www.tccustomerexpress.com/2885.html

Published date: July 17th, 2018

Highlights This Month:

NOVA Gas Transmission Ltd.



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Utilization reports are posted approximately six weeks after the end of the reported month.

If you have any questions on the content of this report, contact Winston Cao at (403) 920-5315 or winston_cao@transcanada.com.



FIRM TRANSPORTATION SERVICE¹ CONTRACT UTILIZATION³

By NGTL Pipeline Segments May 2018

			Del	livery	Rece	Receipt		
			Dei		Reco			
FT + IT	Segment	Contract	Utilization		Utilization			
PRIL FT HT 44% 49% 30.4 76% 78% 248 NWML FT 90% 6.9 71% 389 GRDL FT 90% 5.0 171% 78% 2.957 GRDL FT 11 11 11 11 11 11 11	UPRM	FT	0%	0.0	81%	69		
NWML FT + FT		$FT + IT^2$	0%		82%			
NWML FT + FT								
NWML FT 92% 6.9 715% 3-9 GRDL FT 0% 5.0 78% 2.957 WAEX FT 49% 7.0 68% 916 JUDY FT 34% 16.8 78% 45 JUDY FT 34% 16.8 78% 45 GPML FT 33% 155.4 73% 2.967 CENT FT 17 0% 0.0 69% 2.201 LPOL FT 17 0% 0.0 69% 2.201 LPOL FT 17 78% 3.997.5 92% 1.015 WGAT FT 17 78% 3.997.5 92% 1.015 ALEG FT 17 38% 186.1 94% 632 SLAT FT 17 17% 176.4 108% 632 SLAT FT 17 63% 260.3 93% 256 BLEG FT 50% 164.5 93% 3.56 BLEG FT 18 30% 164.5 93% 3.56 BLEG FT 19 50% 164.5 93% 3.56 BLEG FT 19 50% 164.5 93% 3.56 BLEG FT 19 50% 1.015 93% 3.56 BLEG FT 10 50% 1.015 93% 3.56 BL	PRLL			30.4		245		
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FT + IT		FT + IT	512%		78%			
FT + IT	NAVA NOR	TYP	400/	7.0	COD/	016		
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LPOL		F1 + 11	76 76		7470			
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MRTN FT F	EGAT	FT	99%	4,458.8	84%	16		
LIEG FT 1T 69% 2,087.0 66% 30 FT + IT 69% 2,087.0 66% 82% 82% 82% 82% 82% 82% 82% 82% 82% 82		FT + IT	103%		129%			
LIEG FT 1T 69% 2,087.0 66% 30 FT + IT 69% 2,087.0 66% 82% 82% 82% 82% 82% 82% 82% 82% 82% 82								
LIEG FT 69% 2,087.0 66% 30 KIRB FT 80% 1,616.4 73% 29 FT + IT 80% 12.0 58% 20 SMHI FT 41% 11% 19.0 37% 23 FT + IT 11% 19.0 37% 23 FT + IT 55% 199.2 26% 15 FT + IT 35% 1,846.3 84% 32 FT + IT 35% 37.4 92% 104 FT + IT 57% 37.4 92% 104 FT + IT 57% 0.4 91% 5 EDM FT + IT 57% 119% 5 WAIN FT 6% 0.4 91% 5 FT + IT 6% 288.4 88% 98 FT + IT 79% 15,883.4 75% 14,627	MRTN			20.1		33		
KIRB FT FT FT FT 80% 1,616.4 73% 87% 29 SMHI FT HT 80% 1,616.4 73% 87% 29 SMHI FT HT 41% 12.0 58% 20 20 REDL FT 117 11% 11% 19.0 37% 23 23 FT + IT 11% 11% 19.0 37% 26% 15 15 COLD FT 55% 199.2 26% 15 15 FT + IT 55% 1,846.3 84% 32 32 FT + IT 35% 35% 1,846.3 84% 32 32 NLAT FT 57% 37.4 92% 119% 119% 104 WAIN FT 6% 0.4 91% 5 5 ELAT FT 78% 288.4 88% 98 98 TOTAL SYSTEM FT 74% 15,883.4 75% 14,627		$\mathbf{FT} + \mathbf{TT}$	26%		115%			
KIRB FT FT FT FT 80% 1,616.4 73% 87% 29 SMHI FT HT 80% 1,616.4 73% 87% 29 SMHI FT HT 41% 12.0 58% 20 20 REDL FT 117 11% 11% 19.0 37% 23 23 FT + IT 11% 11% 19.0 37% 26% 15 15 COLD FT 55% 199.2 26% 15 15 FT + IT 55% 1,846.3 84% 32 32 FT + IT 35% 35% 1,846.3 84% 32 32 NLAT FT 57% 37.4 92% 119% 119% 104 WAIN FT 6% 0.4 91% 5 5 ELAT FT 78% 288.4 88% 98 98 TOTAL SYSTEM FT 74% 15,883.4 75% 14,627	LIEG	FT	69%	2,087.0	66%	30		
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FT + IT 80% 87% SMHI FT								
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REDL FT + IT 41% 83% REDL FT + IT 11% 11% 19.0 37% 23 COLD FT 55% 199.2 26% 15 FT + IT 55% 199.2 26% 95% 15 EDM FT 35% 1,846.3 84% 32 FT + IT 35% 35% 37.4 92% 104 NLAT FT 57% 37% 37.4 92% 119% 57 WAIN FT 6% 0.4 91% 5 FT + IT 6% 0.4 91% 5 ELAT FT 78% 288.4 88% 98 FT + IT 79% 126% TOTAL SYSTEM FT 74% 15,883.4 75% 14,627	CMHI	ET	419/	12.0	590 /	20		
REDL FT FT + IT 11% 11% 19.0 37% 87% 23 COLD FT 55% 199.2 26% 15 95% 15 EDM FT 35% 1,846.3 84% 32 123% NLAT FT 57% 35% 37.4 92% 119% 119% WAIN FT 66% 0.4 91% 5 140% ELAT FT 78% 288.4 88% 98 87 FT + IT 79% 15,883.4 75% 14,627	SMIII			12.0		20		
FT + IT 11% 87% COLD FT 55% 199.2 26% 15 FT + IT 55% 199.2 26% 95% EDM FT 35% 1,846.3 84% 32 FT + IT 35% 37.4 92% 104 FT + IT 57% 37.4 92% 104 FT + IT 57% 0 4 91% 5 FT + IT 6% 0.4 91% 5 FT + IT 6% 288.4 88% 98 FT + IT 79% 15,883.4 75% 14,627			1270		0270			
COLD FT 55% 199.2 26% 15 FT + IT 55% 199.2 26% 15 EDM FT 35% 1,846.3 84% 32 FT + IT 35% 37.4 92% 104 FT + IT 57% 37.4 92% 104 FT + IT 57% 0 4 91% 5 ELAT FT 78% 288.4 88% 98 FT + IT 79% 15,883.4 75% 14,627	REDL	FT	11%	19.0	37%	23		
EDM FT + IT 55% 95% EDM FT		FT + IT	11%		87%			
EDM FT + IT 55% 95% EDM FT	COLD	TYP	770/	100.2	260/	1.5		
EDM FT FT + IT 35% 35% 35% 35% 35% 35% 35% 1,846.3 36% 32 84% 32 32 NLAT FT FT + IT 57% 37.4 92% 119% 119% 119% 119% 119% 119% 119%	COLD			199.2		15		
NLAT		11 + 11	33 /0		2370			
NLAT FT FT + IT 57% 57% 57% 57.4 37.4 92% 119% 119% 57.4 WAIN FT 6% 0.4 0.4 91% 5 140% 57.4 ELAT FT 78% 288.4 88% 98 126% 57.4 TOTAL SYSTEM FT 74% 15,883.4 75% 14,627	EDM	FT	35%	1,846.3	84%	32		
FT + IT 57% 119% WAIN FT 6% 0.4 91% 5 FT + IT 6% 140% ELAT FT 78% 288.4 88% 98 FT + IT 79% 126% TOTAL SYSTEM FT 74% 15,883.4 75% 14,627		FT + IT	35%		123%			
FT + IT 57% 119% WAIN FT 6% 0.4 91% 5 FT + IT 6% 140% ELAT FT 78% 288.4 88% 98 FT + IT 79% 126% TOTAL SYSTEM FT 74% 15,883.4 75% 14,627								
WAIN FT FT + IT 6% 6% 6% 140% 5 0.4 140% 5 91% 140% 5 5 ELAT FT FT FT 78% 79% 126% 126% 75% 14,627 TOTAL SYSTEM FT 74% 15,883.4 75% 14,627 TOTAL SYSTEM 5T 74% 15,883.4 75% 14,627	NLAT			37.4		104		
FT + IT 6% 140% ELAT FT 78% 288.4 88% 98 FT + IT 79% 126% TOTAL SYSTEM FT 74% 15,883.4 75% 14,627		F1 + 11	5/%		119%			
FT + IT 6% 140% ELAT FT 78% 288.4 88% 98 FT + IT 79% 126% TOTAL SYSTEM FT 74% 15,883.4 75% 14,627	WAIN	FT	6%	0.4	91%	5		
TOTAL SYSTEM FT 79% 126% 75% 14,627			6%					
TOTAL SYSTEM FT 79% 126% 75% 14,627								
TOTAL SYSTEM FT 74% 15,883.4 75% 14,627	ELAT			288.4		98		
		F I + I I	79%		126%			
	TOTAL SYSTEM	FT	74%	15,883.4	75%	14.627		
				<u> </u>				

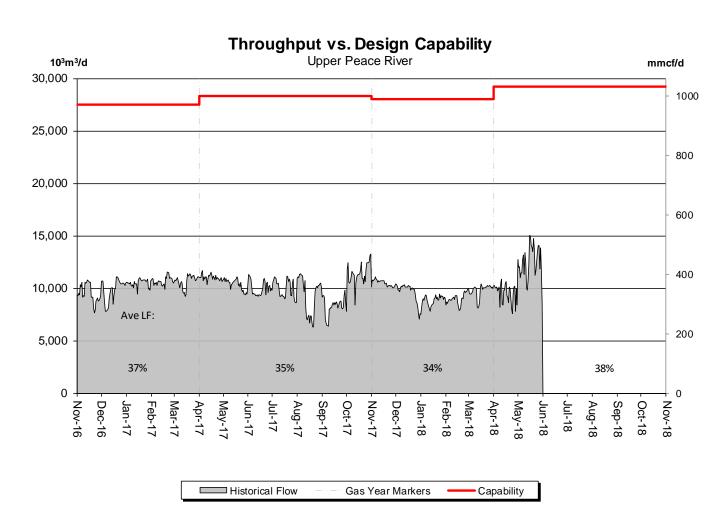
*NOTE:

- 1. FT includes all receipt and delivery Firm Transportation Services.
- 2. IT includes receipt and delivery Interruptible Services.
- 3. 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.



DESIGN CAPABILITY UTILIZATION UPPER PEACE RIVER



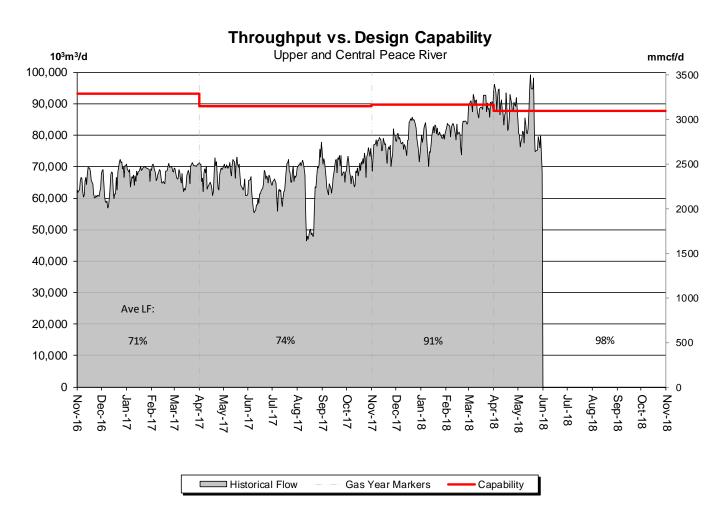


% Design Capability Utilization								
Average	Dec	Jan	Feb	Mar	Apr	May		
Flow/	34%	32%	32%	35%	33%	43%		



DESIGN CAPABILITY UTILIZATION UPPER and CENTRAL PEACE RIVER





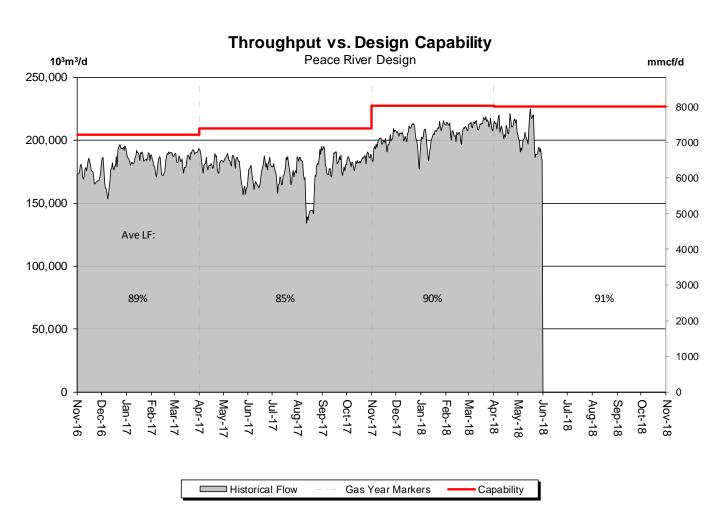
% Design Capability Utilization							
Average	Dec	Jan	Feb	Mar	Apr	May	
Flow/	89%	89%	92%	100%	102%	94%	



DESIGN CAPABILITY UTILIZATION

PEACE RIVER DESIGN (Upper, Central and Lower Peace River)





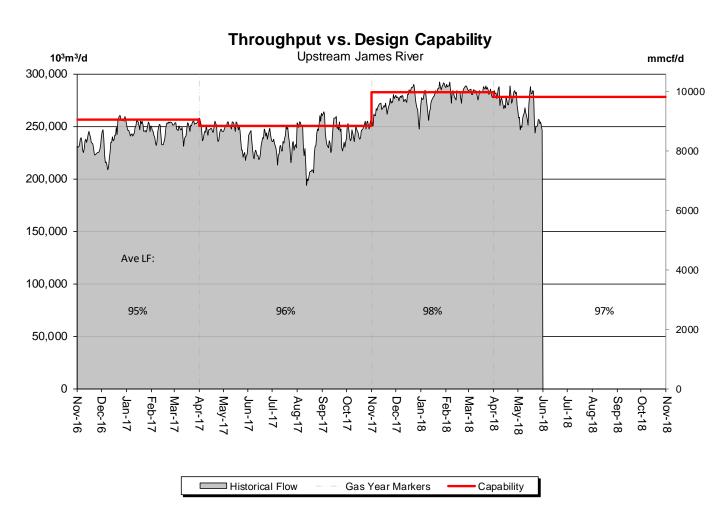
% Design Capability Utilization								
Average	Dec	Jan	Feb	Mar	Apr	May		
Flow/	90%	90%	91%	94%	93%	88%		



DESIGN CAPABILITY UTILIZATION UPSTREAM JAMES RIVER







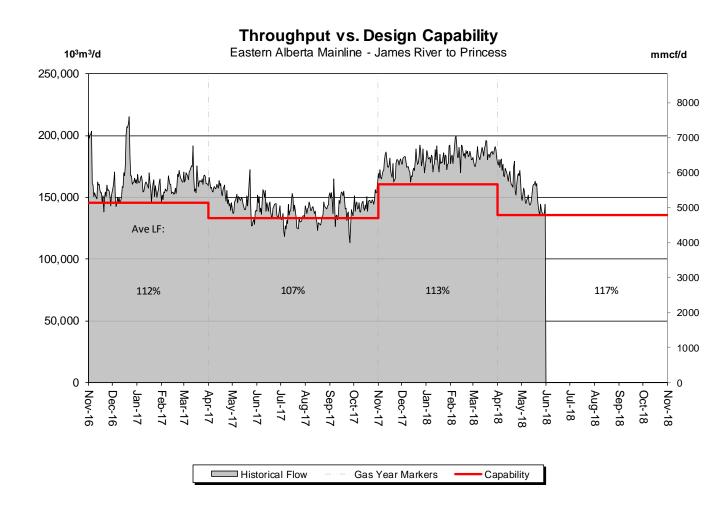
% Design Capability Utilization								
Average	Dec	Jan	Feb	Mar	Apr	May		
Flow/	98%	99%	100%	100%	100%	94%		



DESIGN CAPABILITY UTILIZATION EASTERN ALBERTA MAINLINE

(James River to Princess)





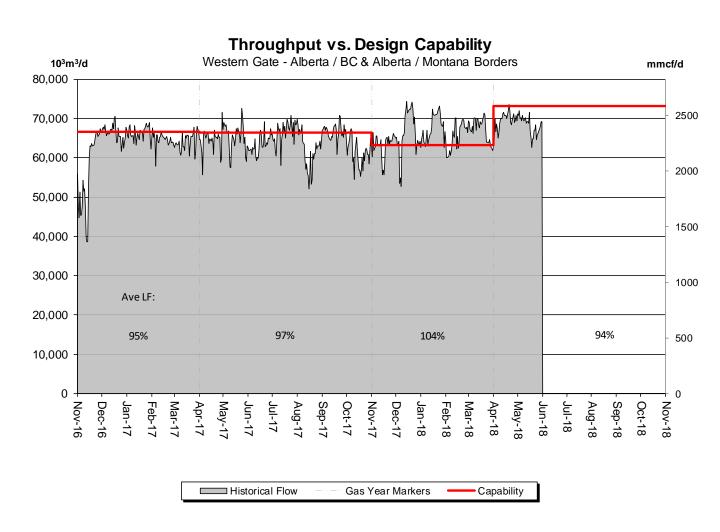
% Design Capability Utilization							
Average	Dec	Jan	Feb	Mar	Apr	May	
Flow/	111%	113%	115%	116%	125%	109%	



DESIGN CAPABILITY UTILIZATION WESTERN ALBERTA MAINLINE

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



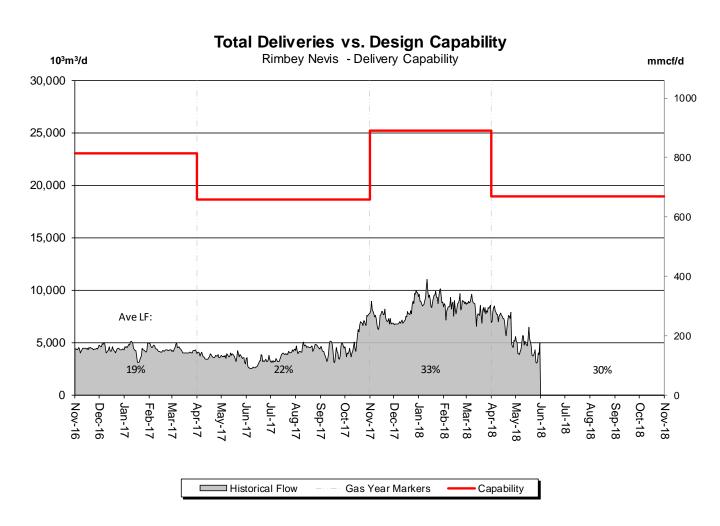


% Design Capability Utilization							
Average	Dec	Jan	Feb	Mar	Apr	May	
Flow/	105%	107%	103%	107%	95%	93%	



DESIGN CAPABILITY UTILIZATION RIMBEY-NEVIS – FLOW WITHIN



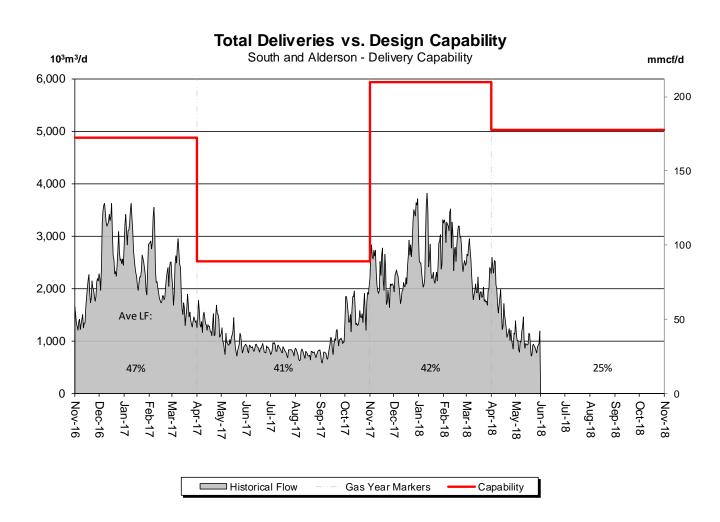


% Design Capability Utilization								
Average	Dec	Jan	Feb	Mar	Apr	May		
Flow/	31%	37%	34%	33%	37%	24%		



DESIGN CAPABILITY UTILIZATION SOUTH and ALDERSON – FLOW WITHIN



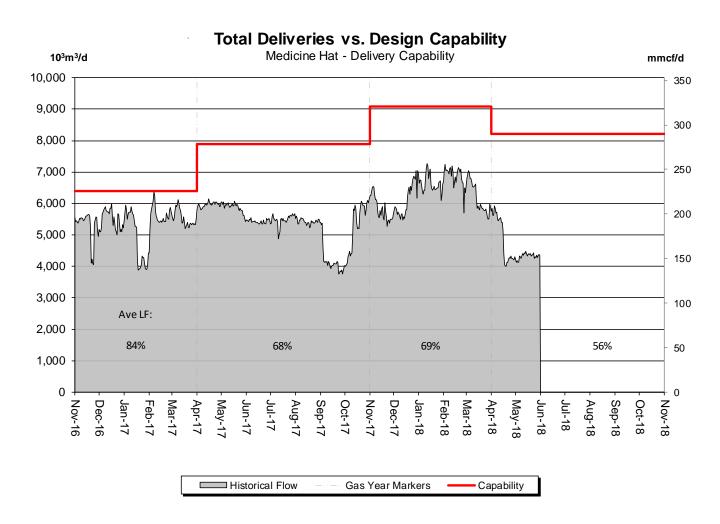


% Design Capability Utilization								
Average	Dec	Jan	Feb	Mar	Apr	May		
Flow/	43%	44%	49%	36%	31%	20%		



DESIGN CAPABILITY UTILIZATION MEDICINE HAT – FLOW WITHIN





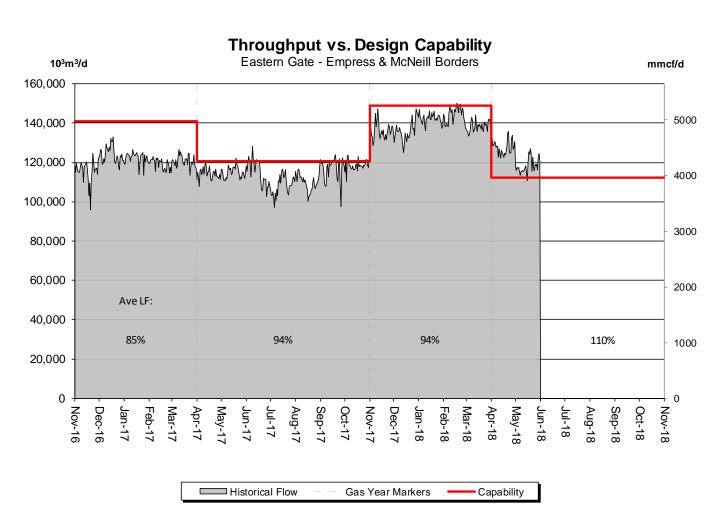
% Design Capability Utilization								
Average	Dec	Jan	Feb	Mar	Apr	May		
Flow/	67%	73%	75%	68%	60%	53%		



DESIGN CAPABILITY UTILIZATION EASTERN ALBERTA MAINLINE

(Princess to Empress / McNeill)



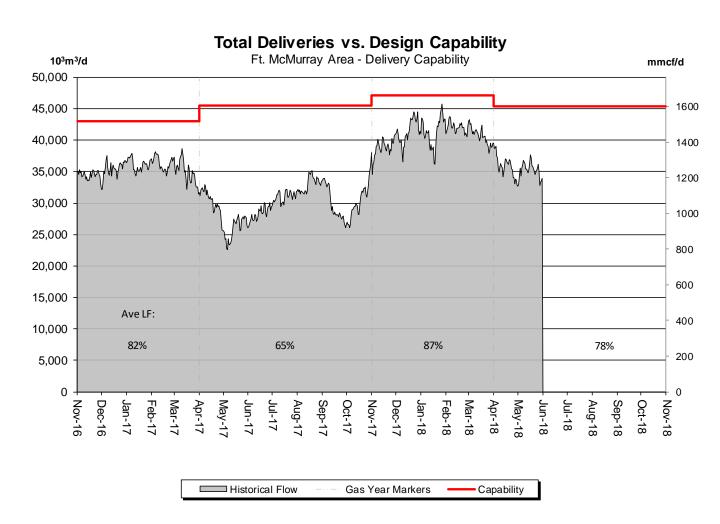


% Design Capability Utilization								
Average	Dec	Jan	Feb	Mar	Apr	May		
Flow/	91%	96%	97%	93%	114%	105%		



DESIGN CAPABILITY UTILIZATION FT. McMURRAY AREA – FLOW WITHIN



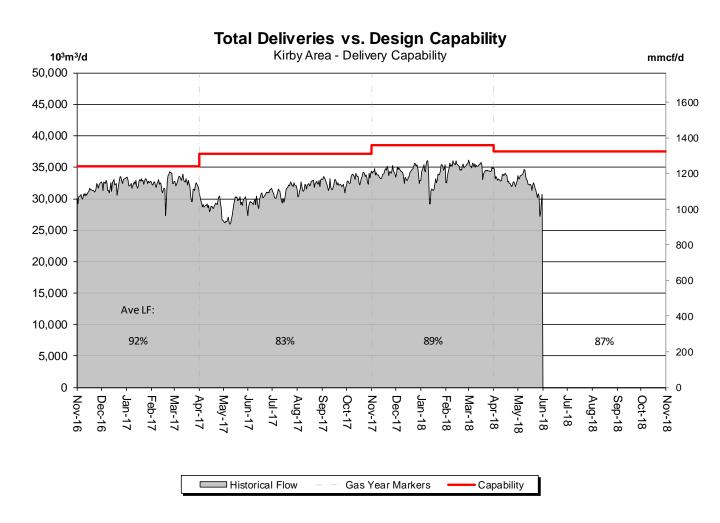


% Design Capability Utilization								
Average	Dec	Jan	Feb	Mar	Apr	May		
Flow/	88%	88%	89%	86%	79%	77%		



DESIGN CAPABILITY UTILIZATION KIRBY AREA – FLOW WITHIN



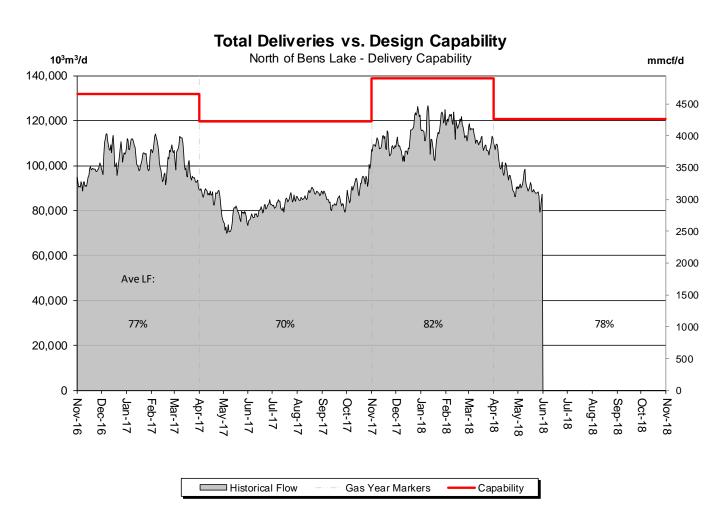


% Design Capability Utilization								
Average	Dec	Jan	Feb	Mar	Apr	May		
Flow/	89%	87%	91%	91%	88%	86%		



DESIGN CAPABILITY UTILIZATION NORTH OF BENS LAKE – FLOW WITHIN



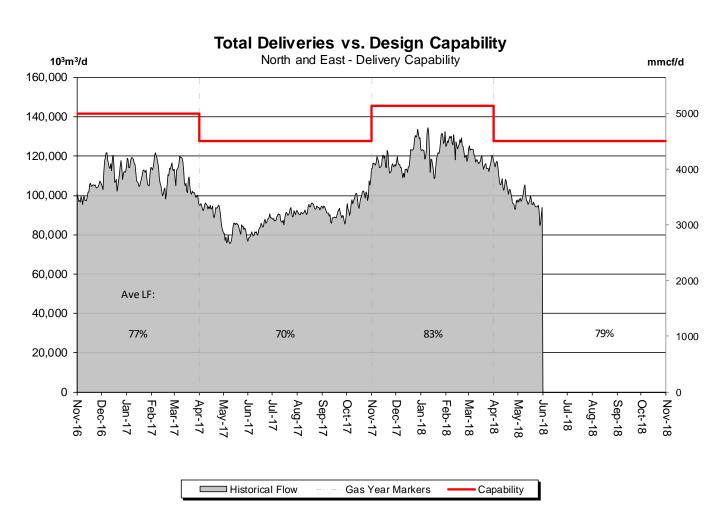


% Design Capability Utilization							
Average	Dec	Jan	Feb	Mar	Apr	May	
Flow/	81%	83%	85%	80%	81%	74%	



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





% Design Capability Utilization								
Average	Dec	Jan	Feb	Mar	Apr	May		
Flow/	82%	84%	86%	81%	82%	75%		



FUTURE FIRM TRANSPORTATION SERVICE AVAILABILITY

Please consult with your Customer Account Manager to discuss your Firm Transportation Service needs.

Estimated Firm Transportation Service Availability

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

http://www.tccustomerexpress.com/2801. html



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.

Data is reported either by *Pipeline Segment* (26 segments make up the system, without 23 & 27) or *Design Area* (13 Design Areas for 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 (LF) for each season. Load factors are obtained by comparing the receipt, delivery, or throughput flow condition in each of the Alberta design areas against the corresponding design capability. Consequently, design capability utilization is measured as Average Actual Flow / Seasonal Design Capability. Data used in these reports lags the current date by at least one month.

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

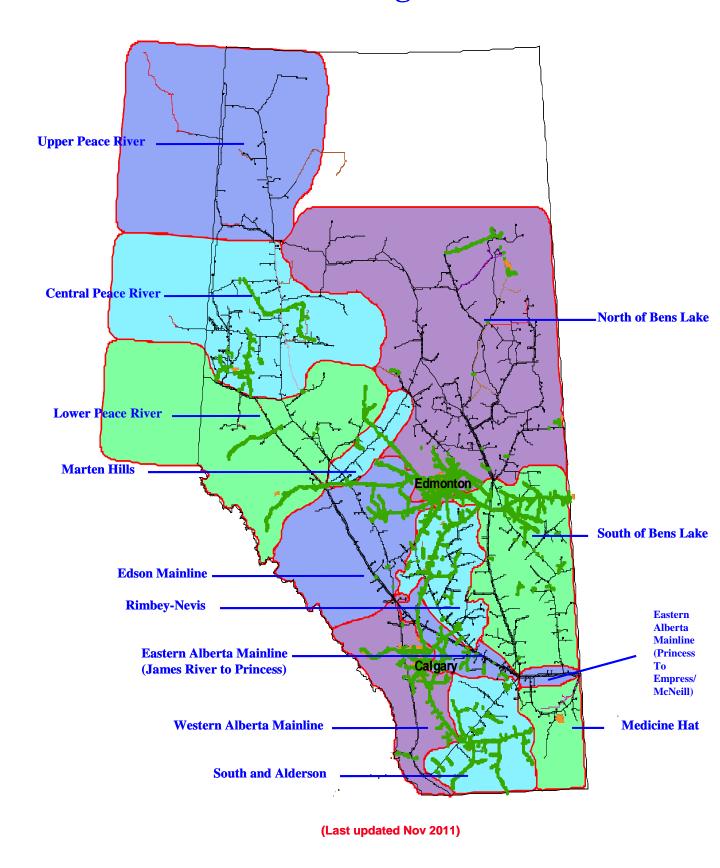
- Total market demand for Alberta natural gas.
- Seasonal changes in market demand for Alberta natural gas.
- Receipt nominating practices of customers individually and in aggregate to meet that level of demand.
- Scheduled maintenance which could effect actual flow requirement in a design area at any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

Future Firm Transportation Service Availability

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

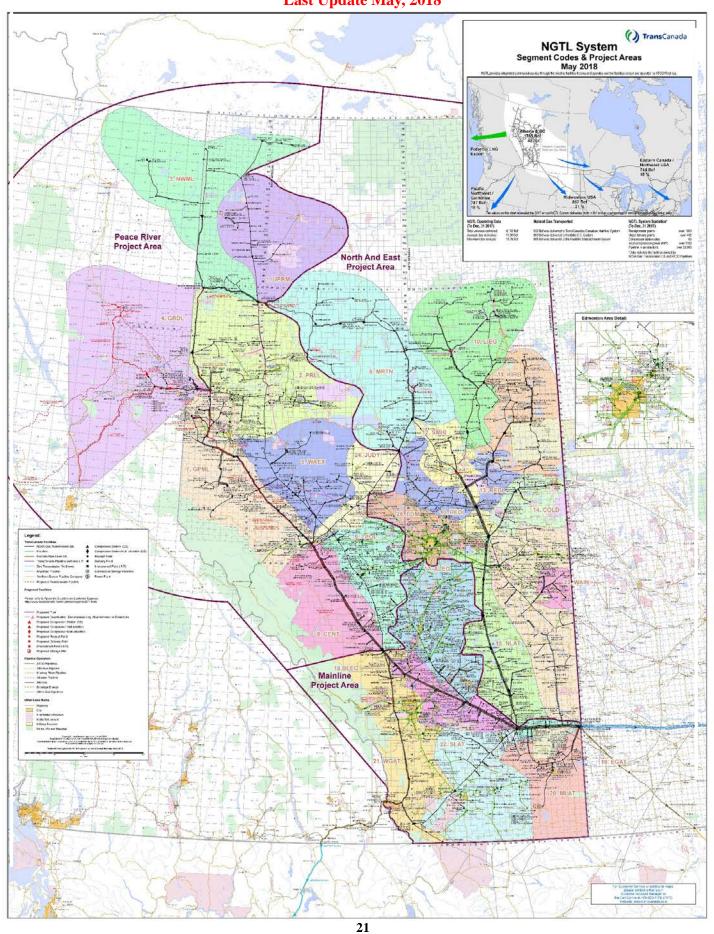


NGTL Design Areas





Last Update May, 2018



DEFINITION OF TERMS

Design Capability Utilization

Actual Flow

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

Design Capability

The volume of gas that can be transported from the design area on the pipeline system considering given 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 NGTL System 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.

Other

System Load Factor

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

