

SYSTEM UTILIZATION MONTHLY REPORT

for the month ending

October 2018

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

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Highlights This Month:

- N/A

NOVA Gas Transmission Ltd.

TABLE OF CONTENTS

<u>MONTHLY FEATURES</u>	PAGE
Firm Transportation Service Contract Utilization	3
Design Capability Utilization	
Upper Peace River	4
Upper & Central Peace River	5
Peace River Design	6
Upstream James River	7
Eastern Alberta Mainline (James River to Princess)	8
Western Alberta Mainline (AB/BC & AB/Montana Borders)	9
Rimbey Nevis – Flow Within	10
South & Alderson – Flow Within	11
Medicine Hat - Flow Within	12
Eastern Alberta Mainline (Princess to Empress/McNeill)	13
Ft. McMurray Area – Flow Within.....	14
Kirby Area – Flow Within.....	15
North of Bens Lake – Flow Within.....	16
North & South of Bens Lake – Flow Within.....	17
Future Firm Transportation Service Availability.....	18
How to Use This Report	19
 <u>REFERENCES</u>	
NGTL Design Areas Map	20
NGTL Pipeline Segments Map	21
Definition of Terms	22

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

October 2018

Segment	Contract	Delivery		Receipt	
		Utilization	Oct CD (TJ/d)	Utilization	Oct CD (MMcf/d)
UPRM	FT	0%	0.0	56%	81
	FT + IT ²	0%		56%	
PRLL	FT	56%	30.4	83%	246
	FT + IT	59%		84%	
NWML	FT	97%	6.9	76%	350
	FT + IT	114%		77%	
GRDL	FT	0%	5.0	92%	3,210
	FT + IT	226%		92%	
WAEX	FT	60%	7.0	77%	878
	FT + IT	414%		77%	
JUDY	FT	60%	16.9	73%	50
	FT + IT	75%		78%	
GPML	FT	53%	155.9	76%	4,939
	FT + IT	106%		77%	
CENT	FT	0%	0.0	65%	2,310
	FT + IT	0%		66%	
LPOL	FT	73%	94.5	69%	1,020
	FT + IT	102%		71%	
WGAT	FT	77%	4,002.1	94%	232
	FT + IT	78%		112%	
ALEG	FT	52%	390.0	95%	619
	FT + IT	53%		112%	
SLAT	FT	32%	176.7	97%	129
	FT + IT	32%		141%	
MLAT	FT	95%	261.2	82%	67
	FT + IT	95%		121%	
BLEG	FT	62%	157.2	98%	377
	FT + IT	67%		130%	
EGAT	FT	99%	4,243.1	94%	15
	FT + IT	104%		136%	
MRTN	FT	33%	20.2	81%	47
	FT + IT	34%		100%	
LIEG	FT	76%	2,076.5	72%	22
	FT + IT	76%		109%	
KIRB	FT	83%	1,646.7	57%	24
	FT + IT	83%		76%	
SMHI	FT	37%	12.0	49%	18
	FT + IT	37%		84%	
REDL	FT	32%	19.0	49%	17
	FT + IT	38%		106%	
COLD	FT	67%	201.8	29%	12
	FT + IT	67%		97%	
EDM	FT	50%	1,854.3	85%	32
	FT + IT	51%		116%	
NLAT	FT	73%	27.5	89%	101
	FT + IT	75%		115%	
WAIN	FT	19%	0.4	97%	4
	FT + IT	19%		146%	
ELAT	FT	85%	297.5	88%	96
	FT + IT	85%		121%	
TOTAL SYSTEM	FT	79%	15,702.9	79%	14,895
	FT + IT	82%		83%	

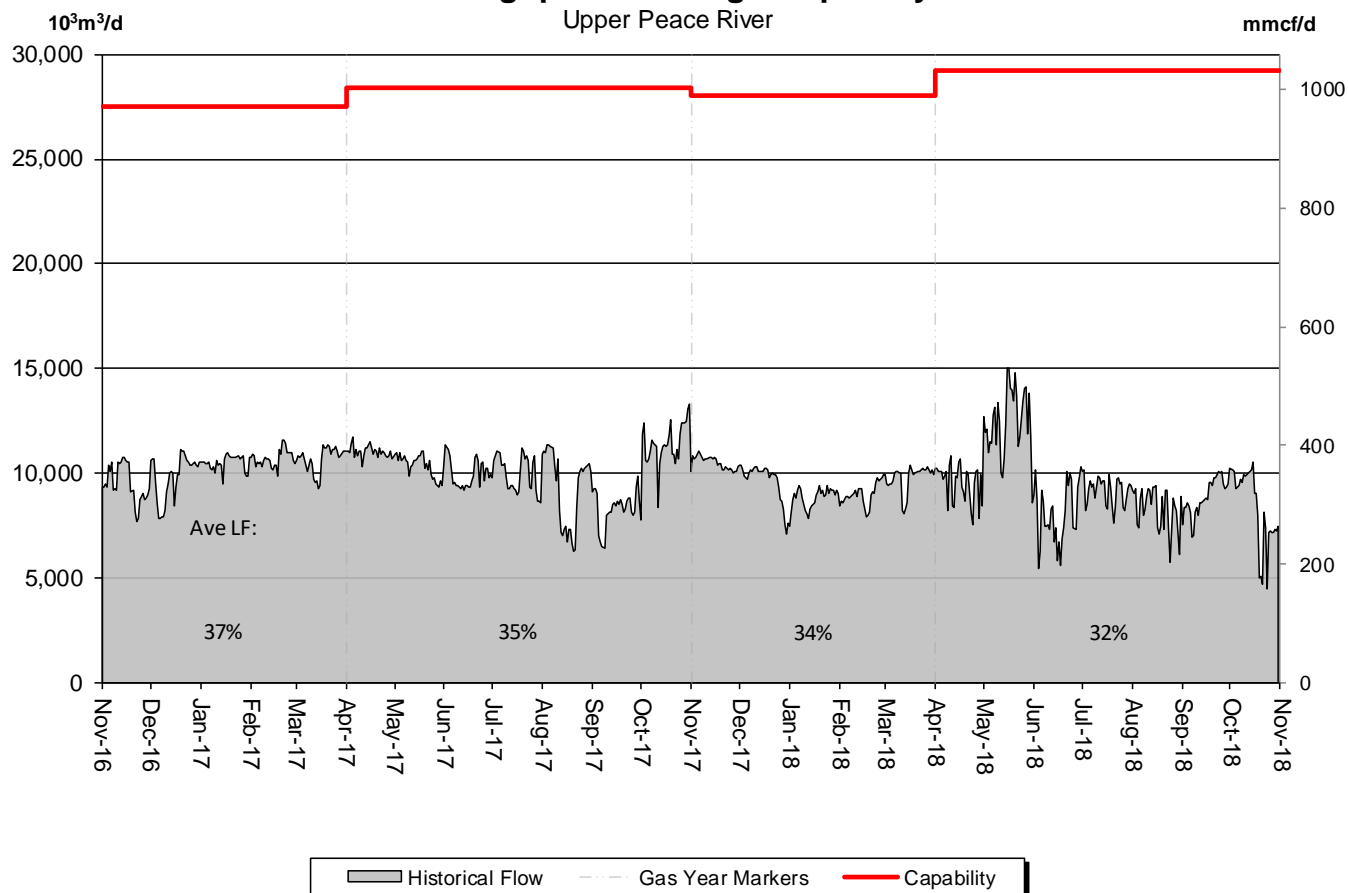
*NOTE:

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

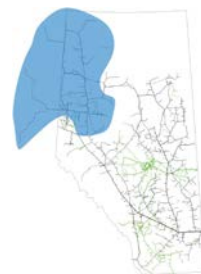


Throughput vs. Design Capability



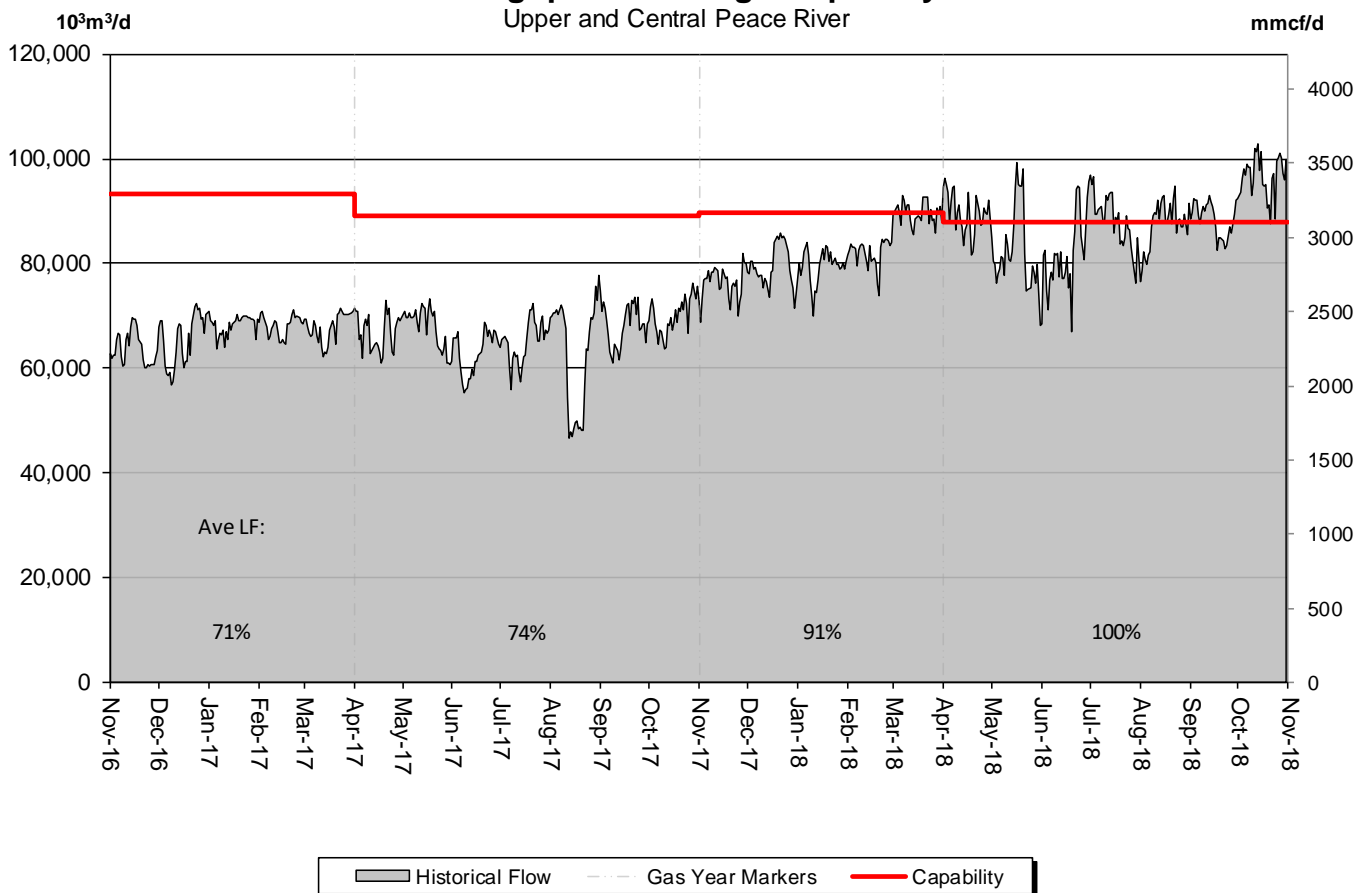
% Design Capability Utilization						
Average	May	Jun	Jul	Aug	Sep	Oct
Flow/	43%	28%	31%	29%	30%	29%

DESIGN CAPABILITY UTILIZATION UPPER and CENTRAL PEACE RIVER



Throughput vs. Design Capability

Upper and Central Peace River



% Design Capability Utilization						
Average Flow/	May	Jun	Jul	Aug	Sep	Oct
	94%	93%	101%	100%	101%	110%

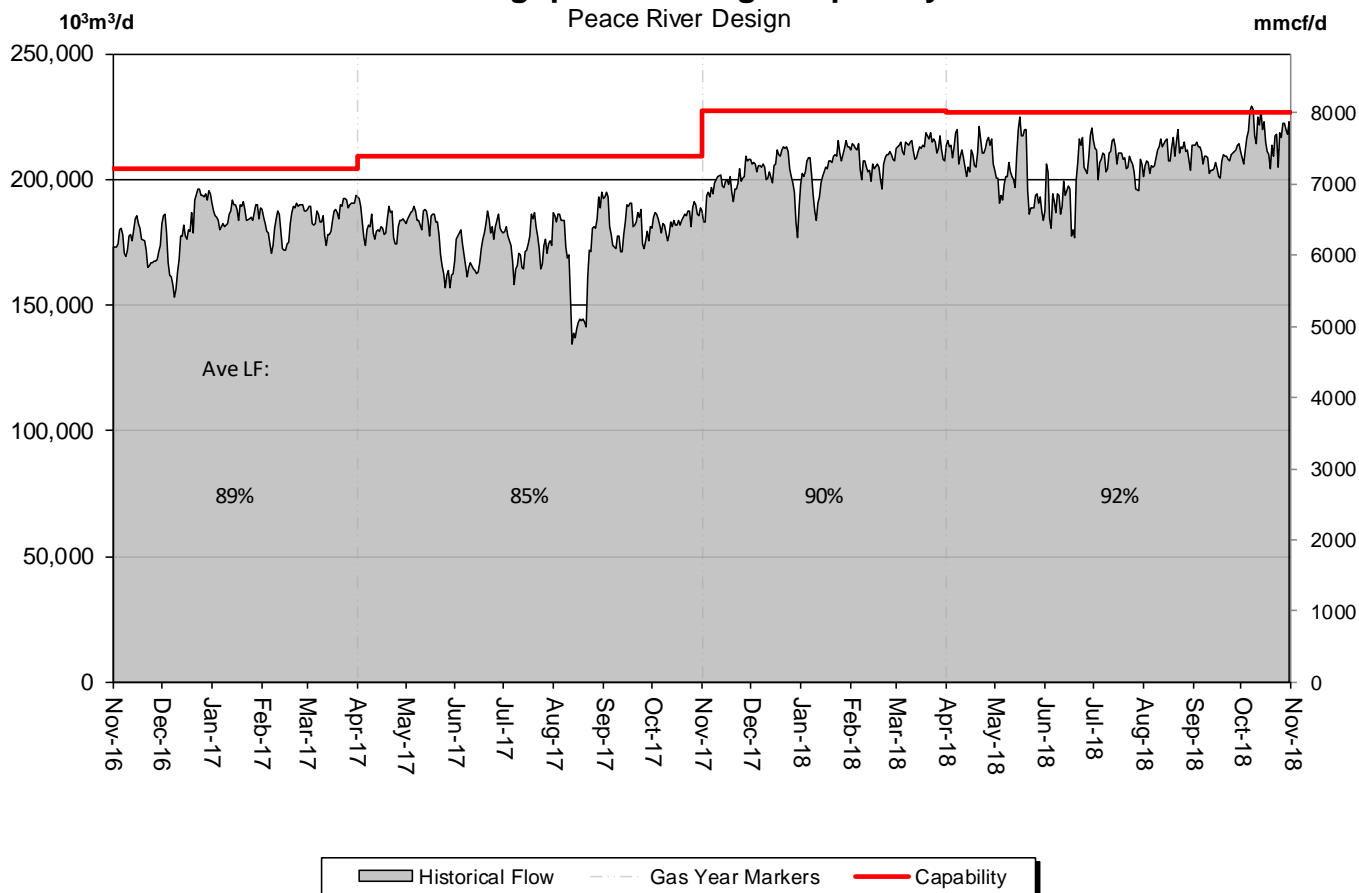
DESIGN CAPABILITY UTILIZATION

PEACE RIVER DESIGN

(Upper, Central and Lower Peace River)



Throughput vs. Design Capability
Peace River Design



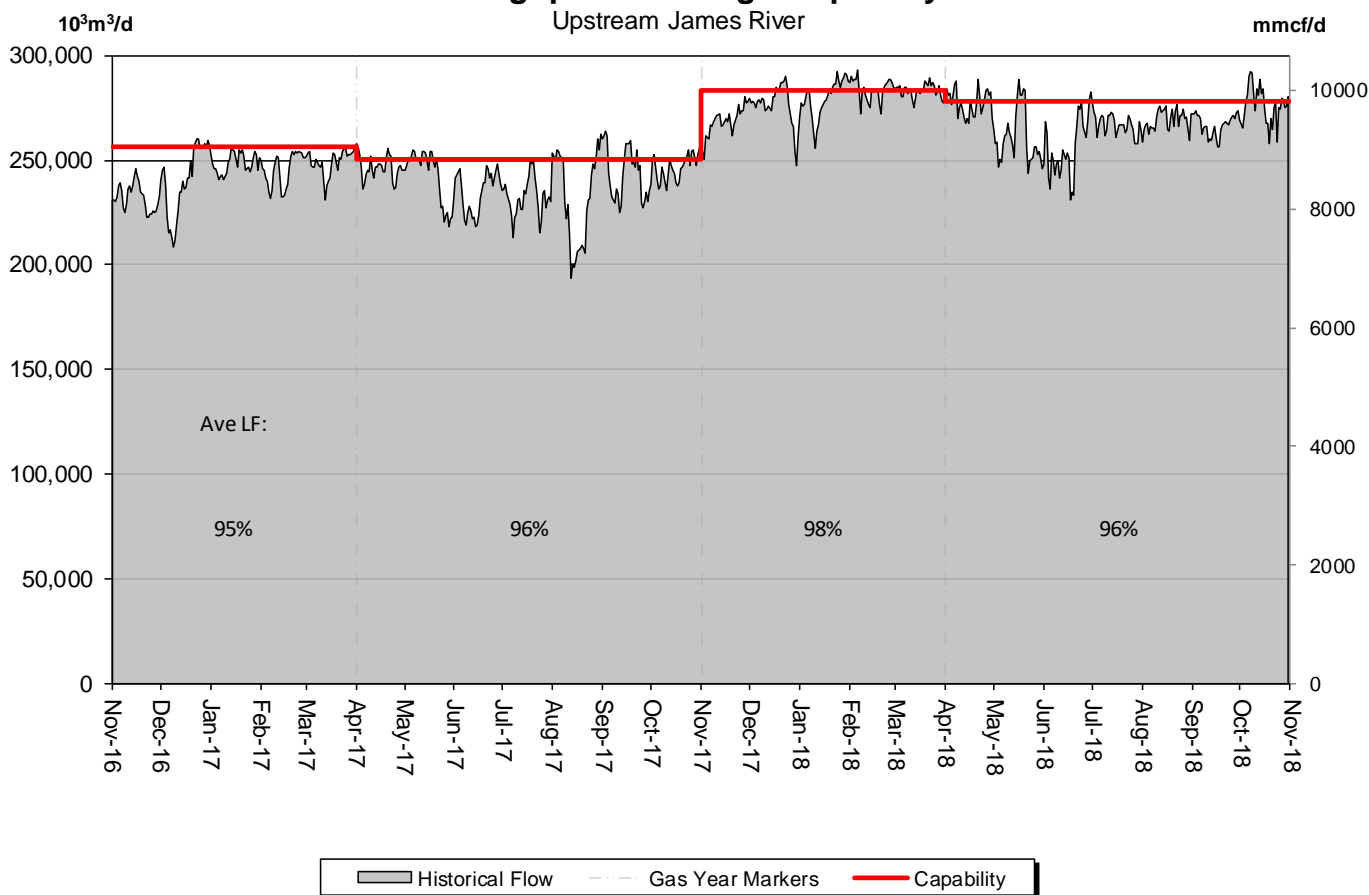
% Design Capability Utilization						
Average Flow/	May	Jun	Jul	Aug	Sep	Oct
	88%	87%	92%	93%	92%	96%

DESIGN CAPABILITY UTILIZATION UPSTREAM JAMES RIVER

(Edson Mainline, Peace River Design and Marten Hills)



Throughput vs. Design Capability

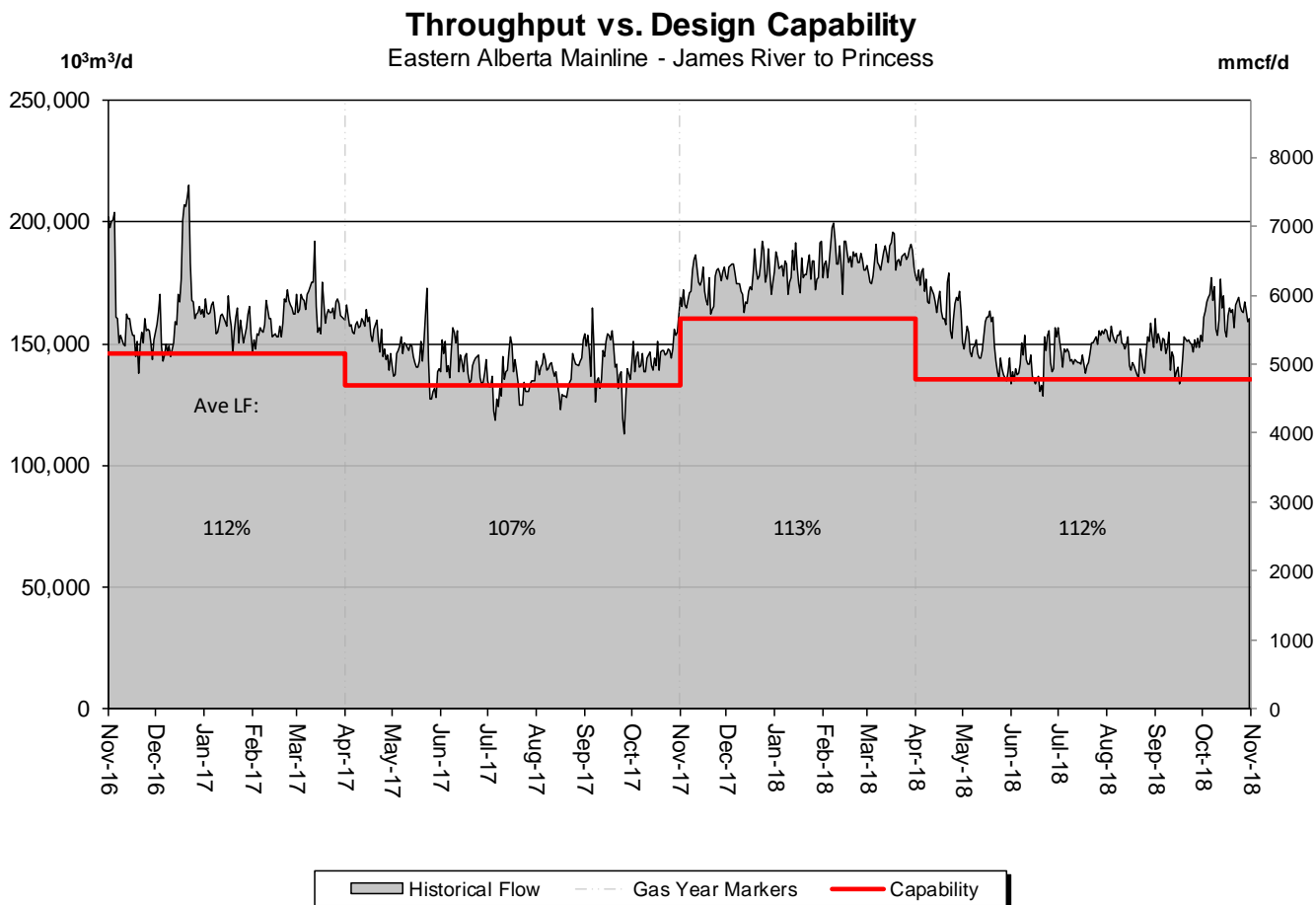


% Design Capability Utilization						
Average Flow/	May	Jun	Jul	Aug	Sep	Oct
	94%	92%	96%	97%	96%	99%

DESIGN CAPABILITY UTILIZATION

EASTERN ALBERTA MAINLINE

(James River to Princess)



% Design Capability Utilization						
Average Flow/	May	Jun	Jul	Aug	Sep	Oct
	109%	105%	109%	109%	109%	121%

DESIGN CAPABILITY UTILIZATION

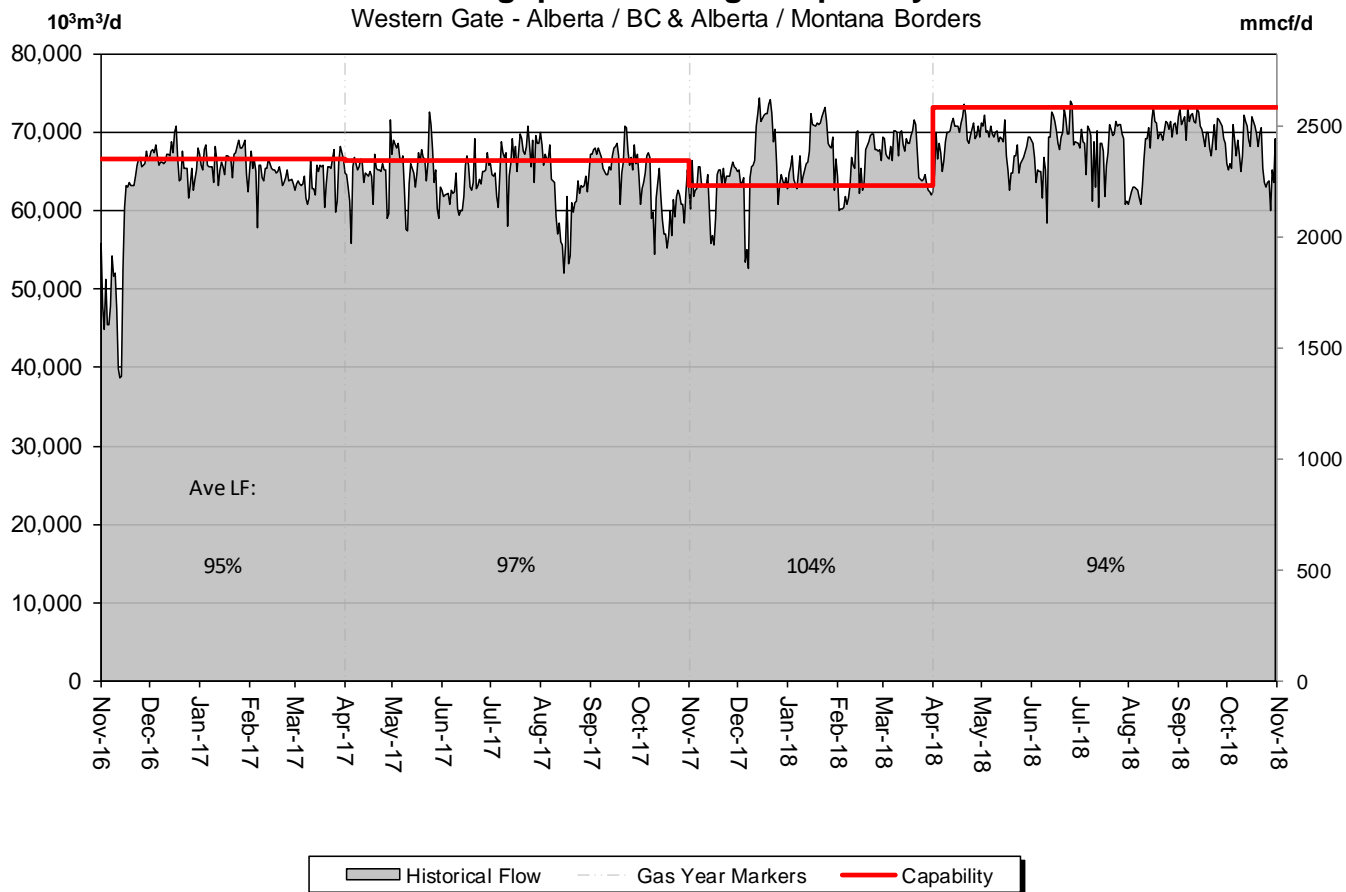
WESTERN ALBERTA MAINLINE

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



Throughput vs. Design Capability

Western Gate - Alberta / BC & Alberta / Montana Borders



% Design Capability Utilization						
Average Flow/	May	Jun	Jul	Aug	Sep	Oct
	93%	94%	93%	93%	97%	92%

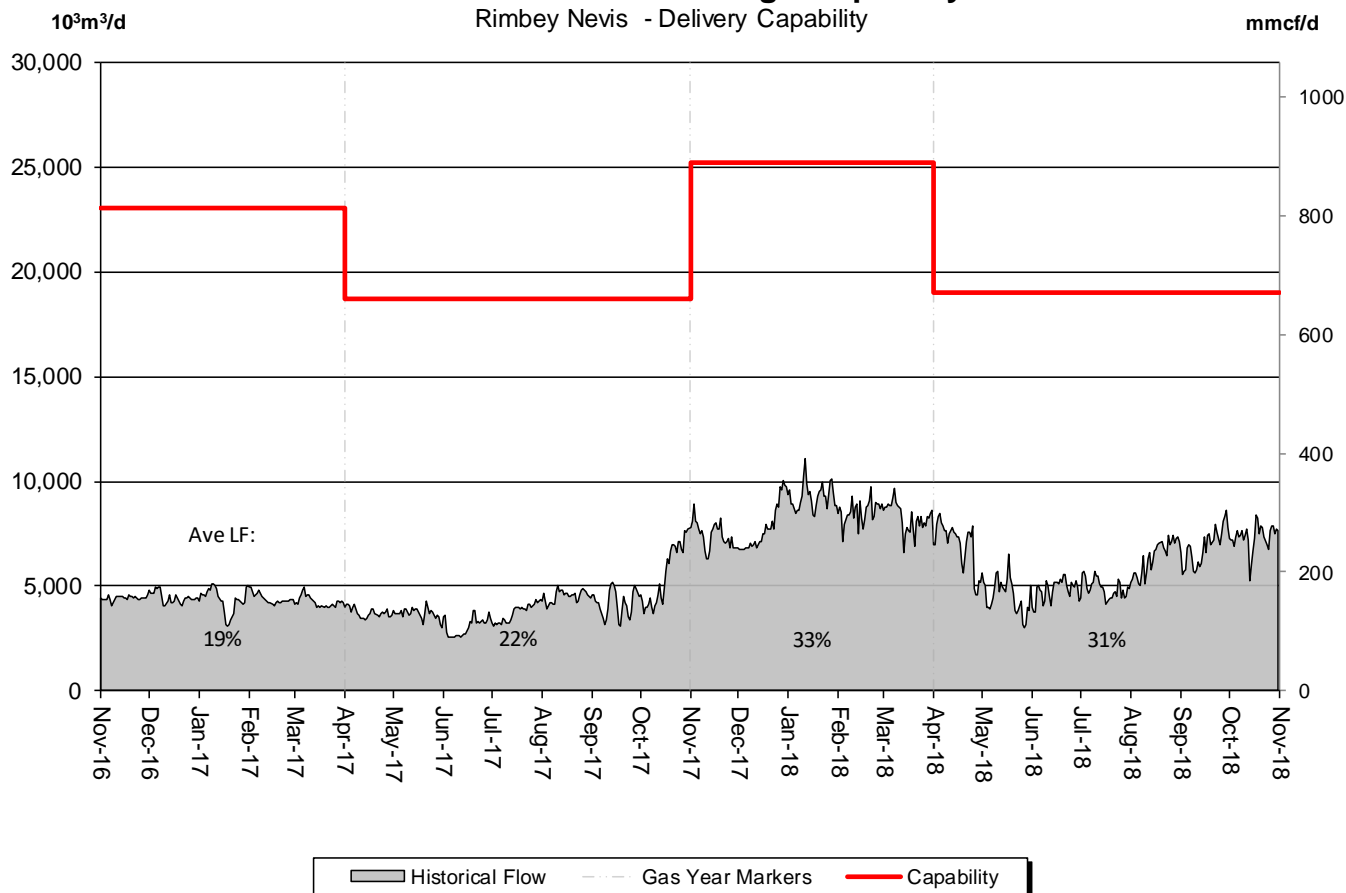
DESIGN CAPABILITY UTILIZATION

RIMBEY-NEVIS – FLOW WITHIN



Total Deliveries vs. Design Capability

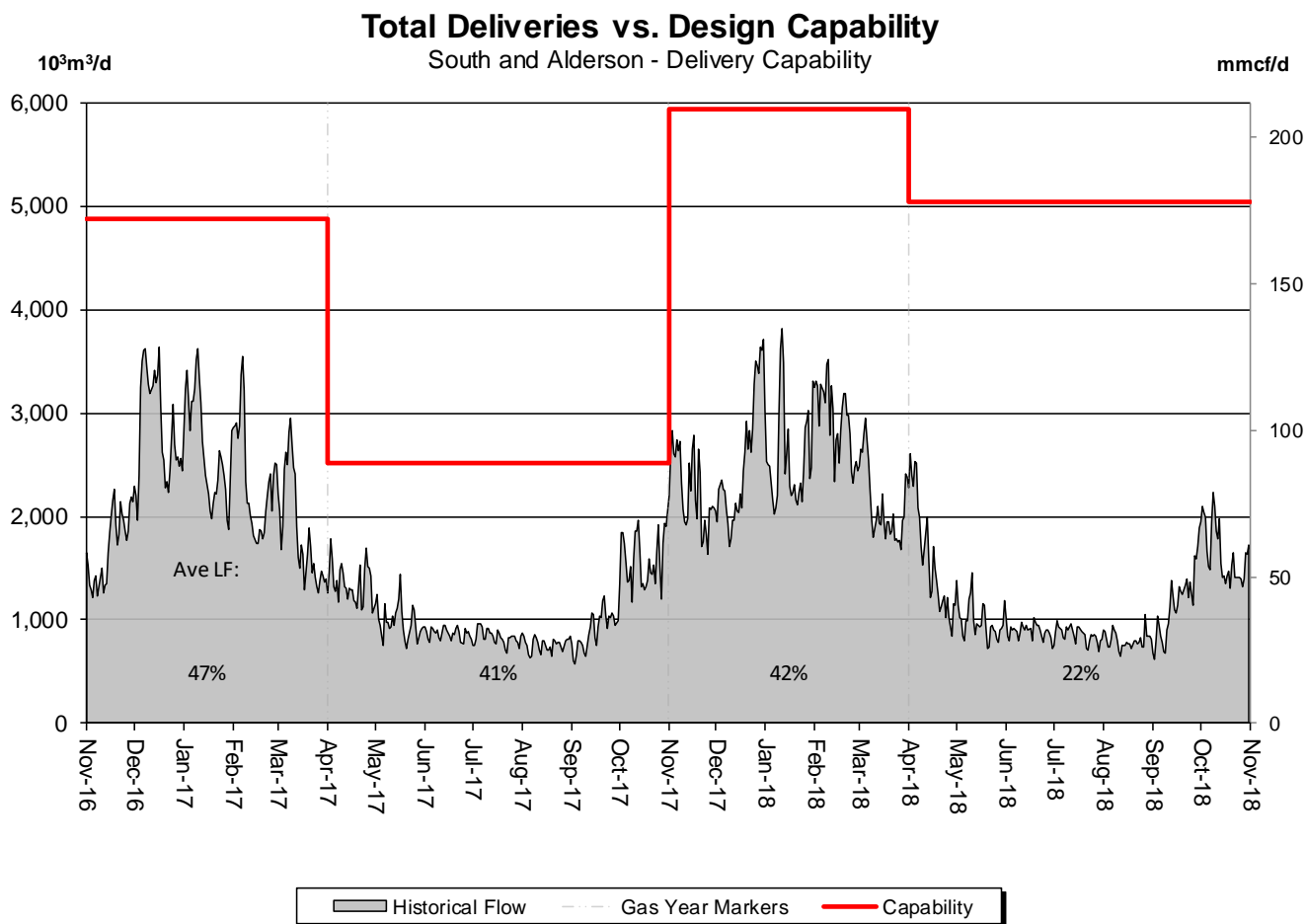
Rimbey Nevis - Delivery Capability



% Design Capability Utilization						
Average Flow/	May	Jun	Jul	Aug	Sep	Oct
	24%	25%	26%	33%	36%	39%

DESIGN CAPABILITY UTILIZATION

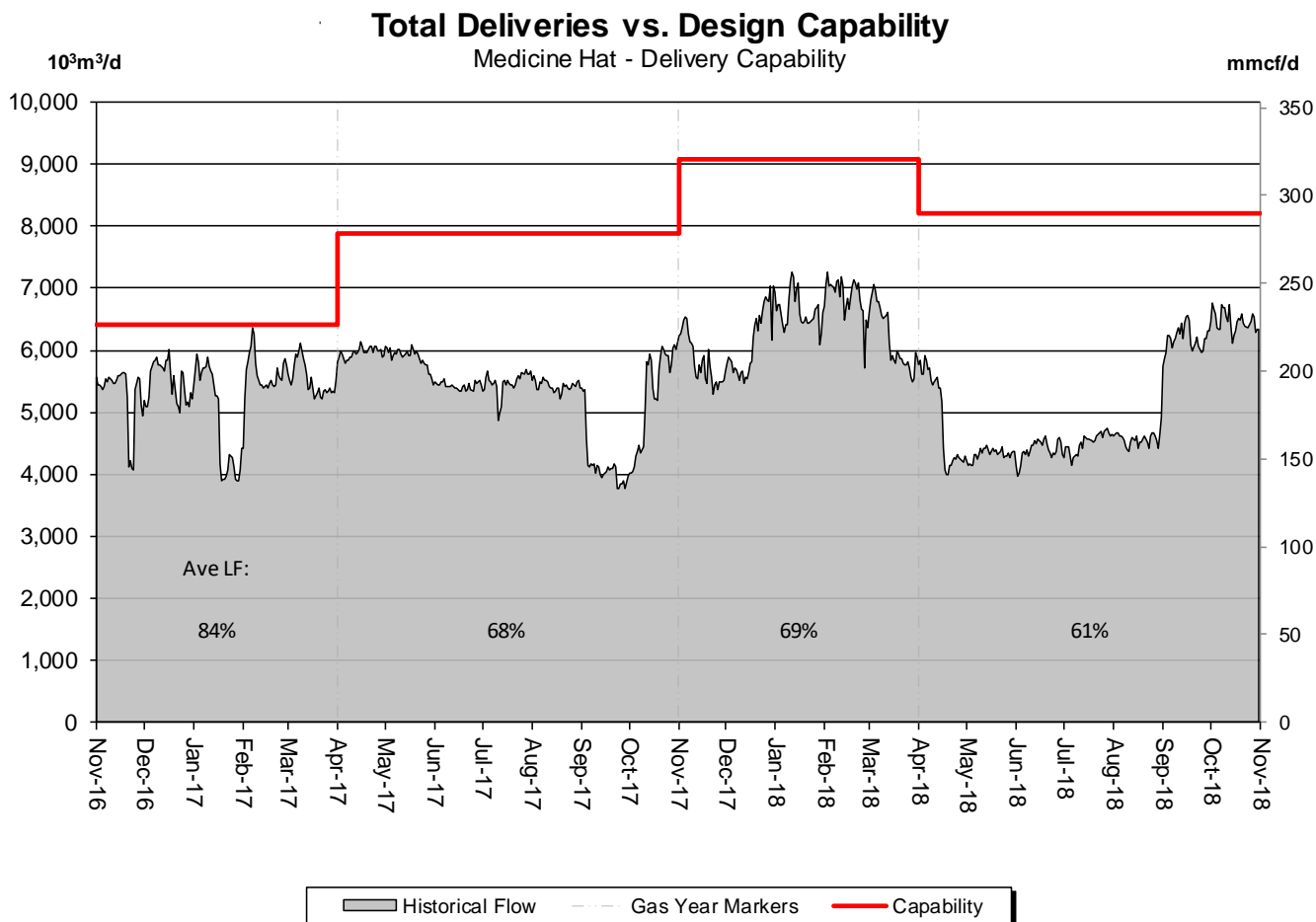
SOUTH and ALDERSON – FLOW WITHIN



% Design Capability Utilization						
Average	May	Jun	Jul	Aug	Sep	Oct
Flow/	20%	18%	17%	16%	23%	33%

DESIGN CAPABILITY UTILIZATION

MEDICINE HAT – FLOW WITHIN



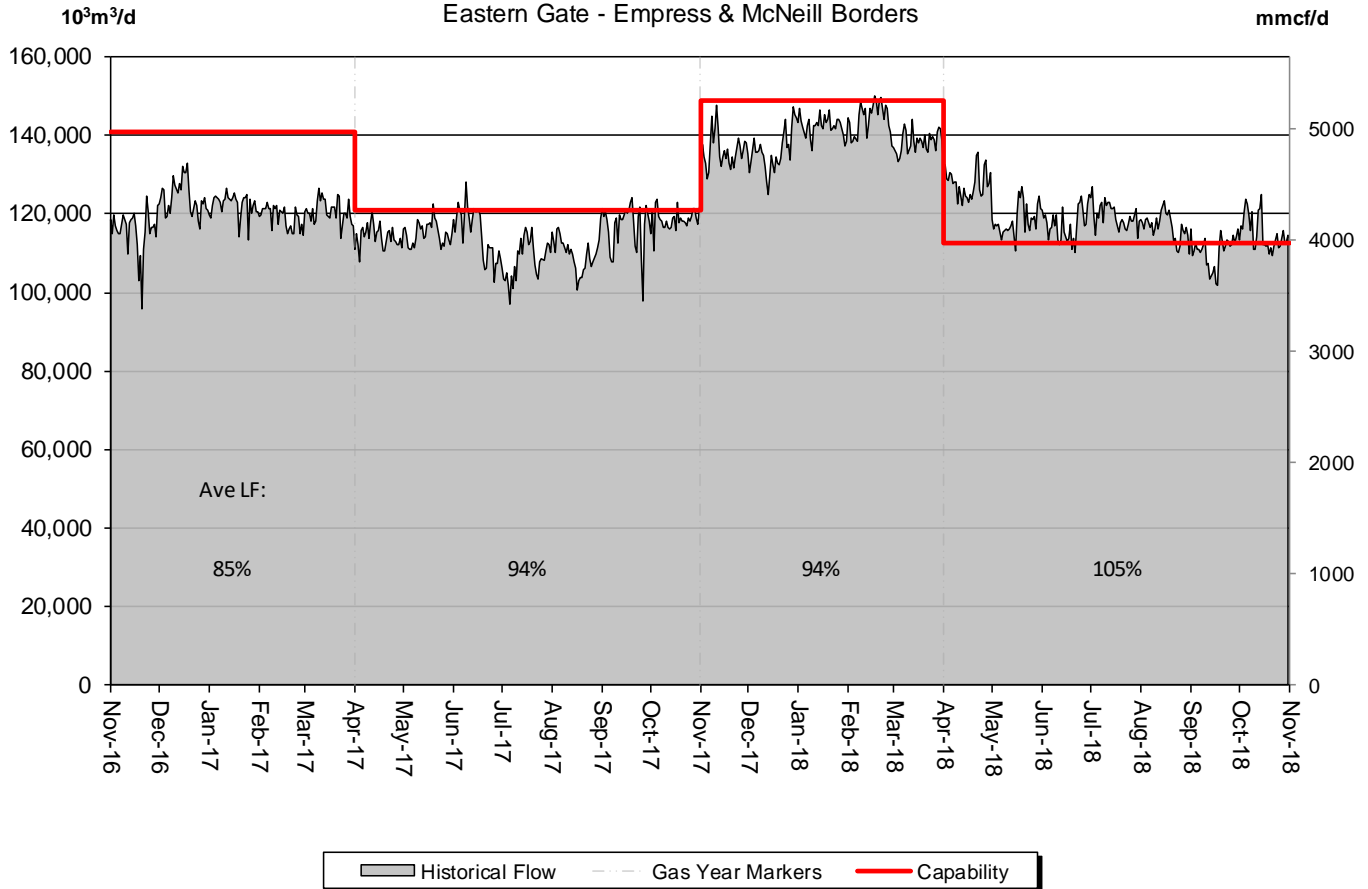
% Design Capability Utilization						
Average	May	Jun	Jul	Aug	Sep	Oct
Flow/	53%	53%	55%	56%	75%	79%

DESIGN CAPABILITY UTILIZATION EASTERN ALBERTA MAINLINE (Princess to Empress / McNeill)



Throughput vs. Design Capability

Eastern Gate - Empress & McNeill Borders



% Design Capability Utilization						
Average Flow/	May	Jun	Jul	Aug	Sep	Oct
	105%	104%	106%	104%	98%	102%

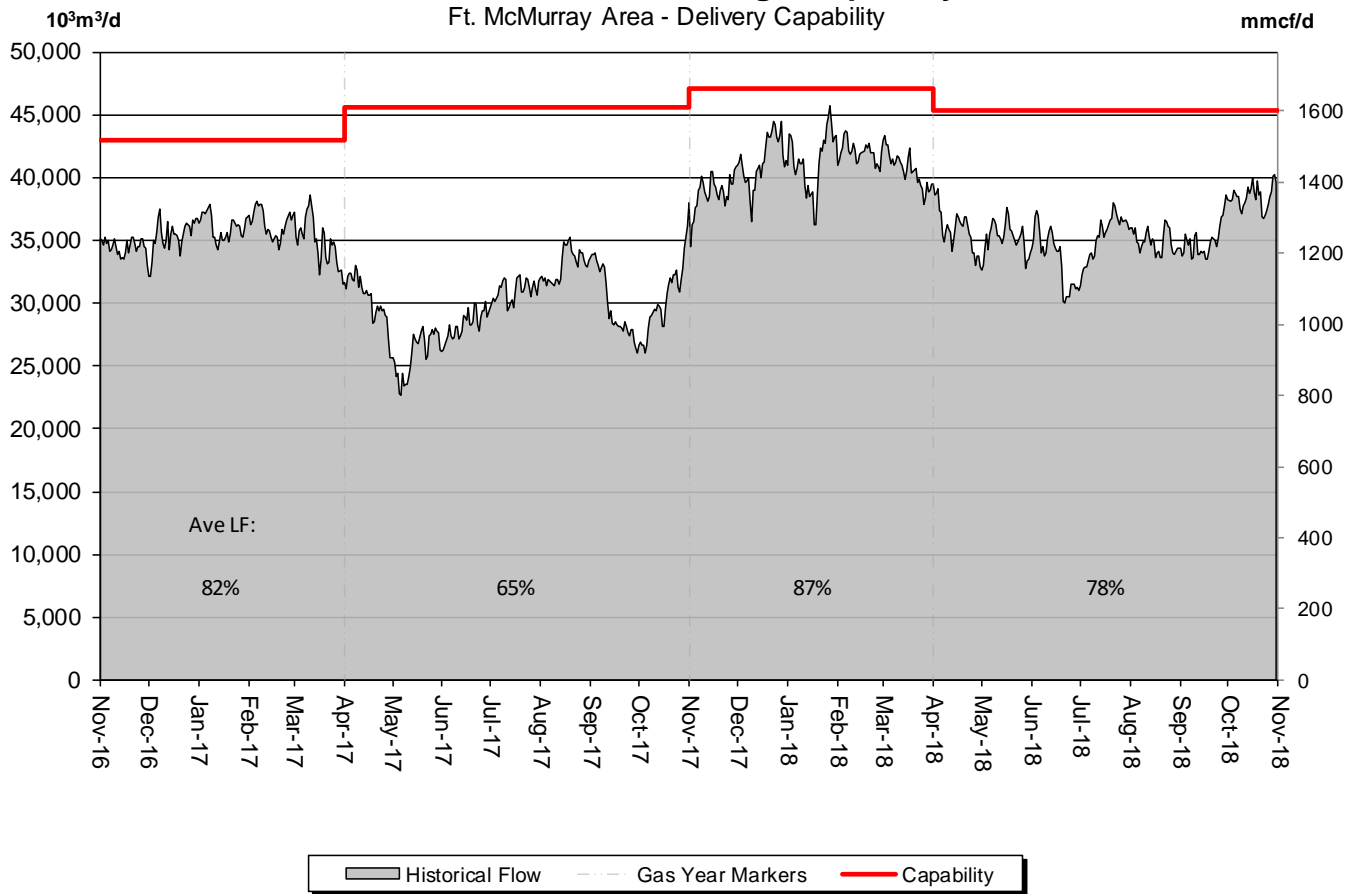
DESIGN CAPABILITY UTILIZATION

FT. McMURRAY AREA – FLOW WITHIN



Total Deliveries vs. Design Capability

Ft. McMurray Area - Delivery Capability



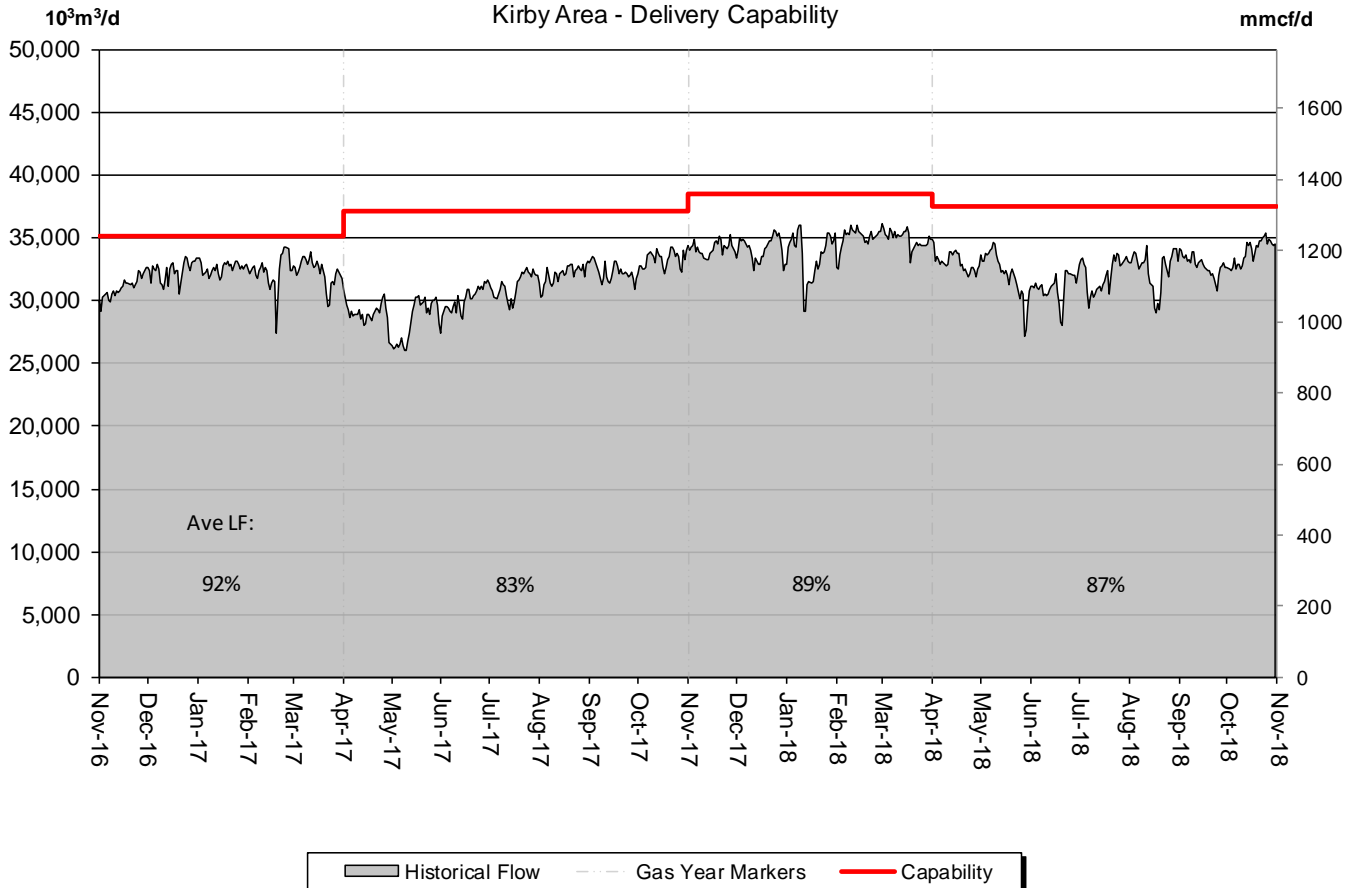
% Design Capability Utilization						
Average Flow/	May	Jun	Jul	Aug	Sep	Oct
	77%	74%	78%	77%	77%	85%

DESIGN CAPABILITY UTILIZATION

KIRBY AREA – FLOW WITHIN



Total Deliveries vs. Design Capability
Kirby Area - Delivery Capability



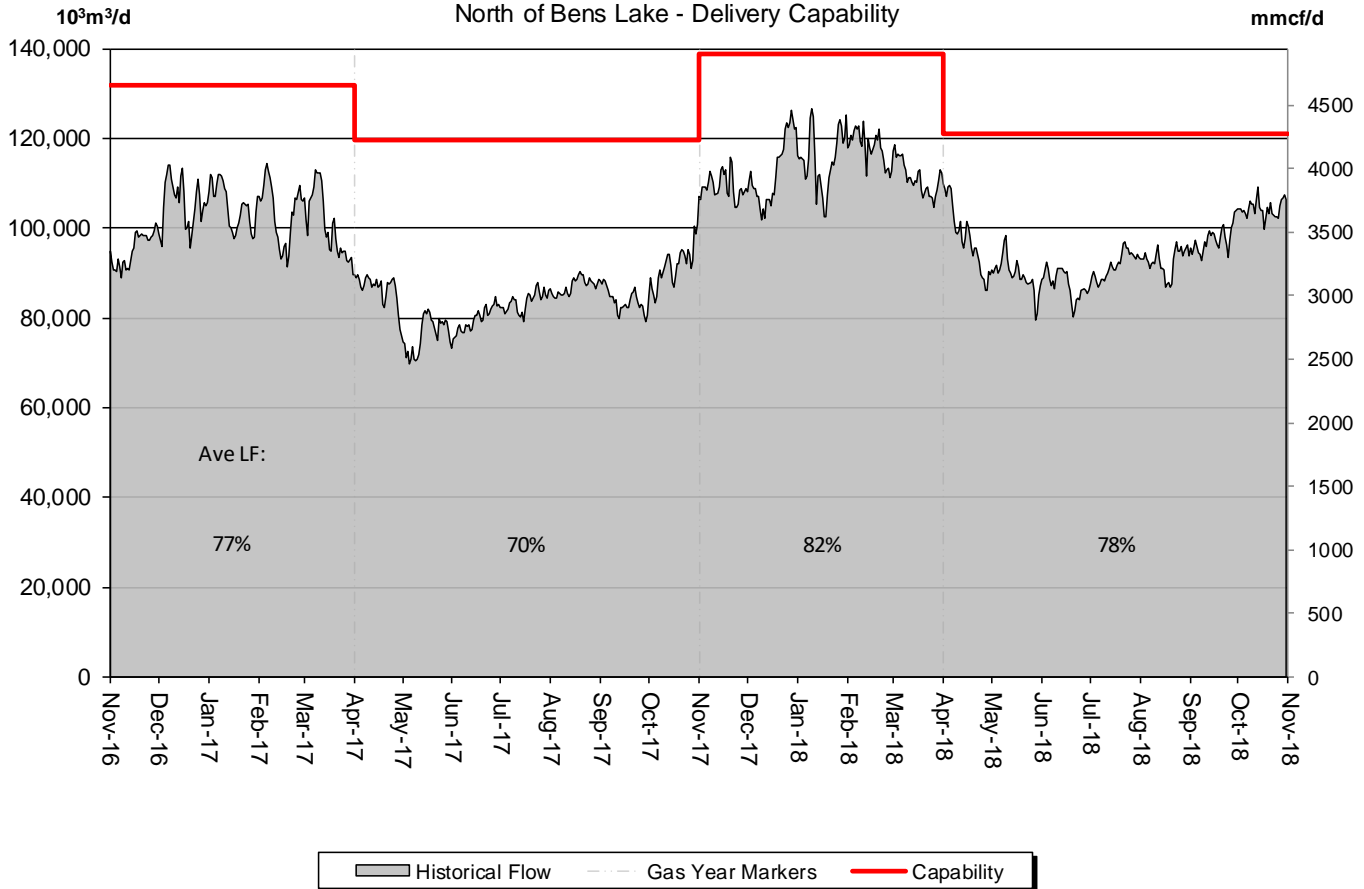
% Design Capability Utilization						
Average Flow/	May	Jun	Jul	Aug	Sep	Oct
	86%	83%	85%	87%	88%	90%

DESIGN CAPABILITY UTILIZATION NORTH OF BENS LAKE – FLOW WITHIN



Total Deliveries vs. Design Capability

North of Bens Lake - Delivery Capability



% Design Capability Utilization						
Average Flow/	May	Jun	Jul	Aug	Sep	Oct
	74%	72%	76%	77%	81%	86%

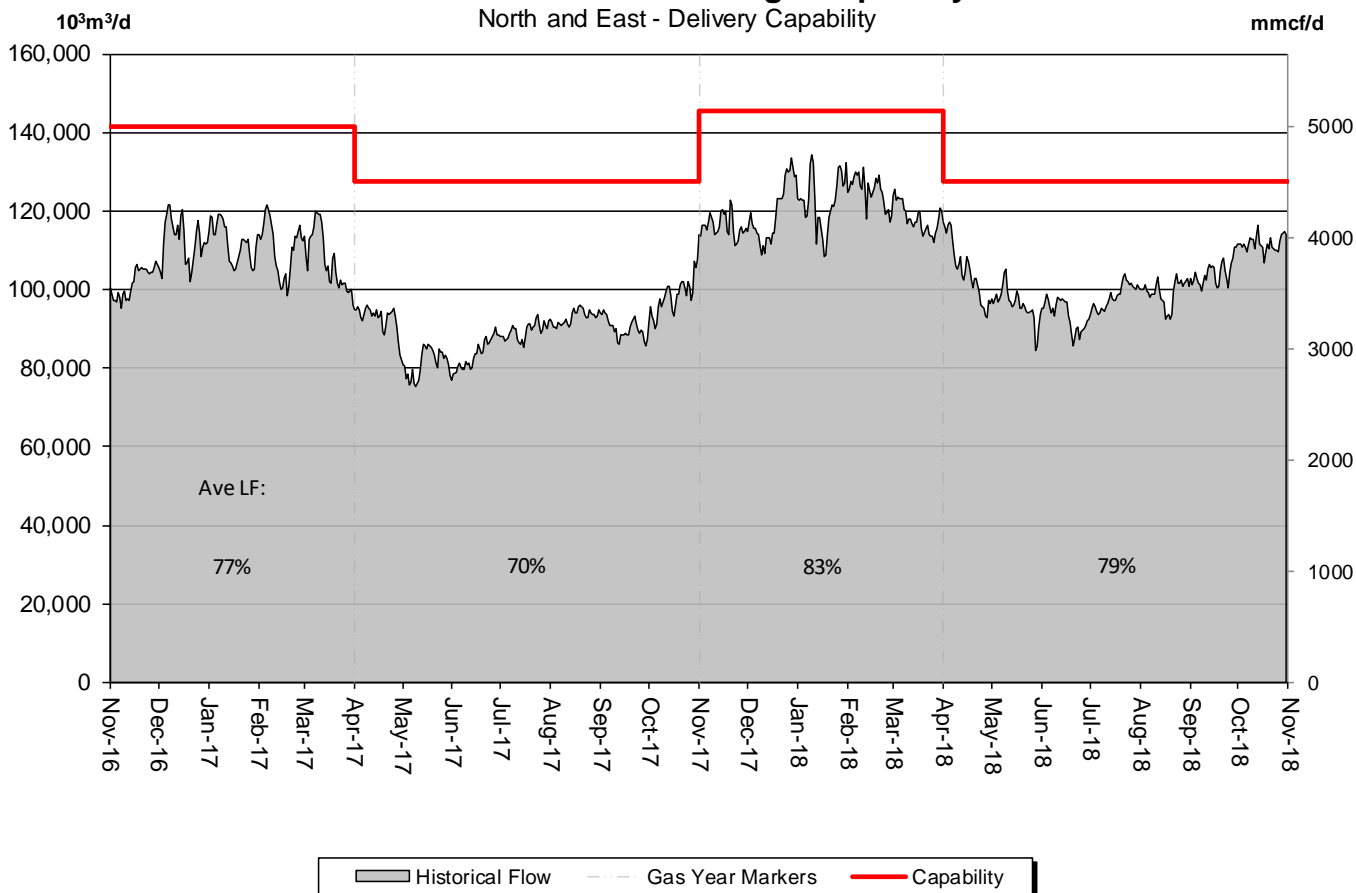
DESIGN CAPABILITY UTILIZATION

NORTH & SOUTH OF BENS LAKE – FLOW WITHIN



Total Deliveries vs. Design Capability

North and East - Delivery Capability



% Design Capability Utilization						
Average Flow/	May	Jun	Jul	Aug	Sep	Oct
	75%	73%	77%	78%	82%	88%

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](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*** (25 segments make up the system) 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 25 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.

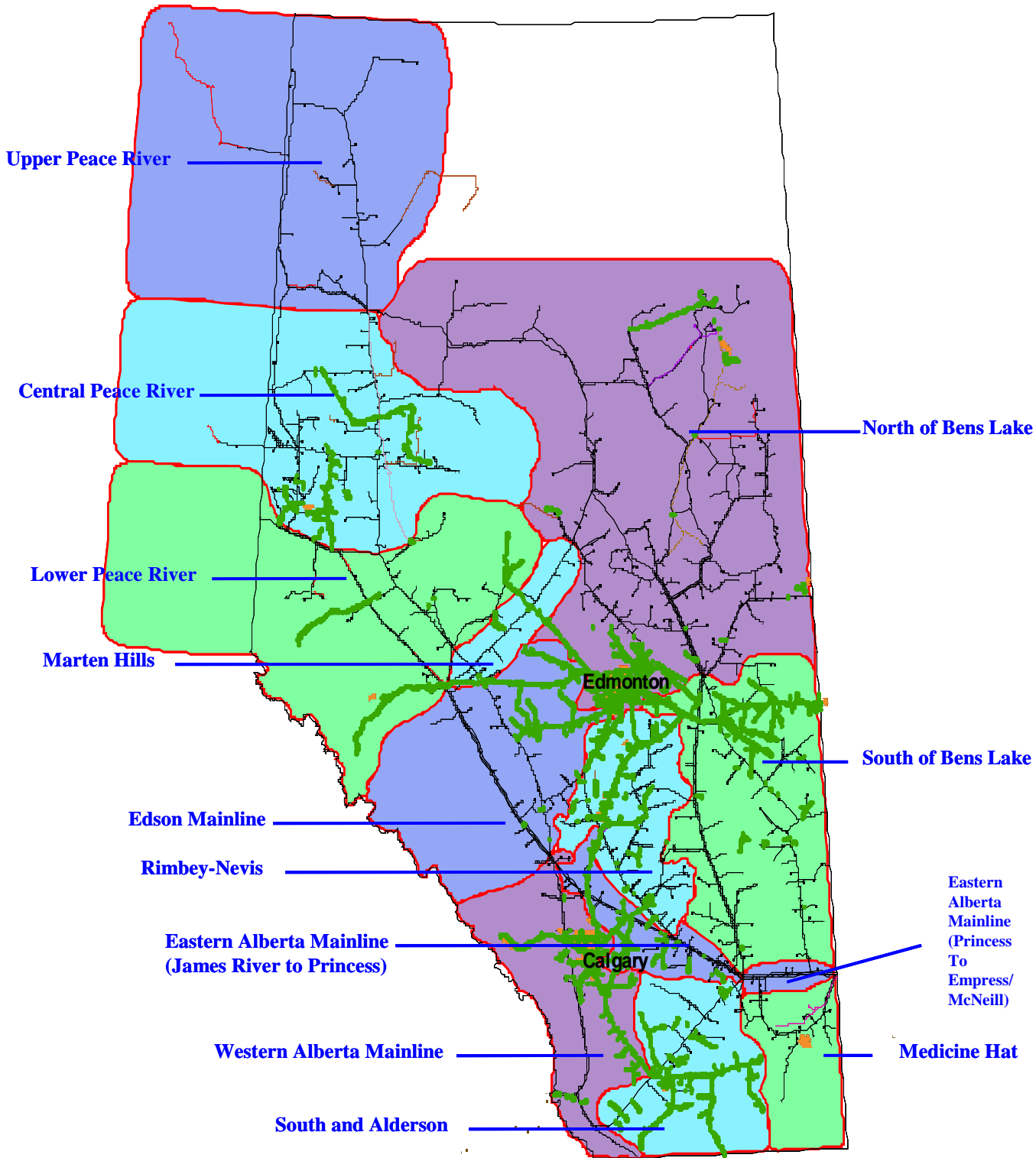
Design Flow Capability utilization is a function of several factors that include:

- 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.

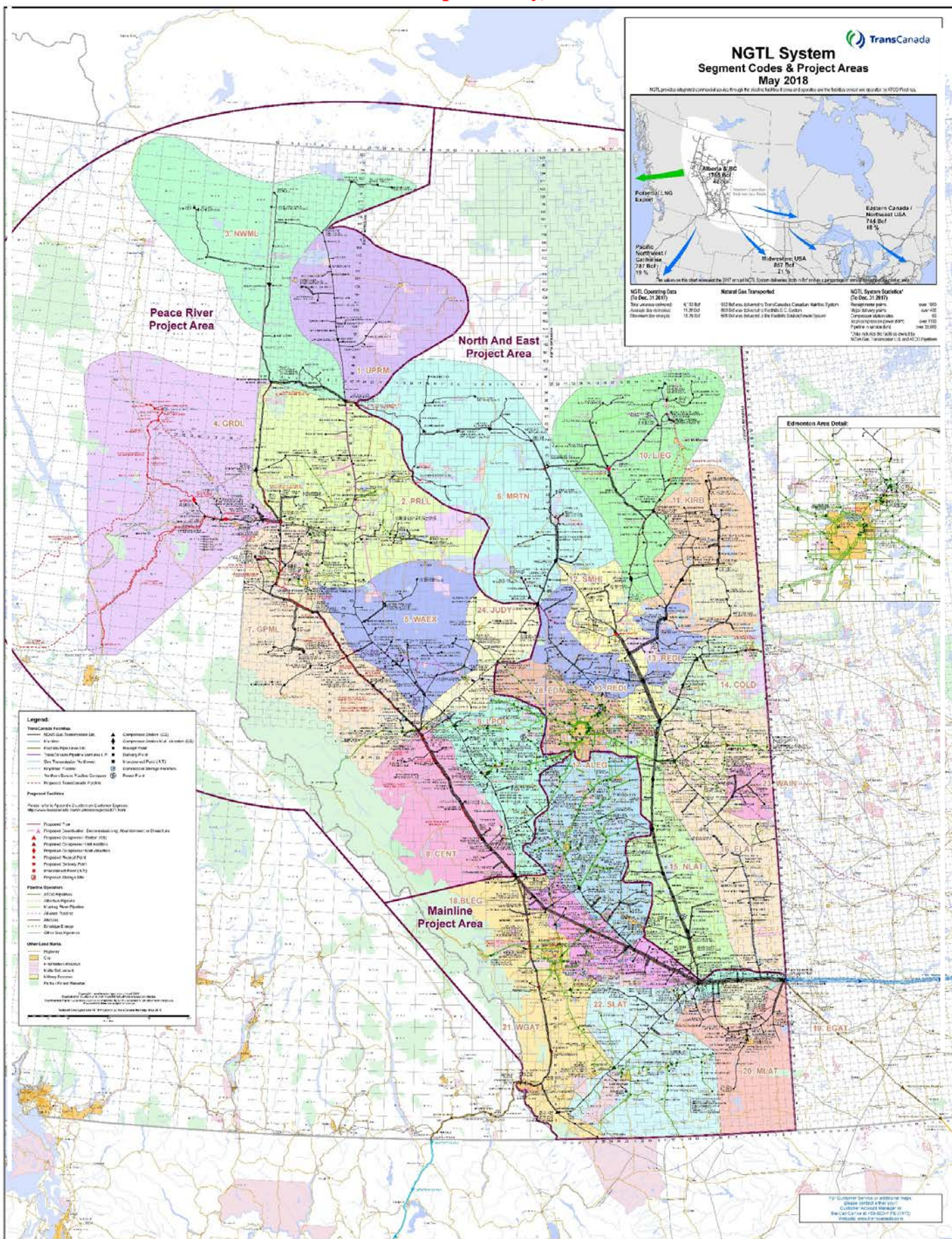
Future Firm Transportation Service Availability

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

NGTL Design Areas



(Last updated Nov 2011)



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
