

# SYSTEM UTILIZATION MONTHLY REPORT

for the month ending

May 2019

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

*Published date:*

**July 15th, 2019**

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## Highlights This Month:

- N/A

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](mailto:winston_cao@transcanada.com).

# FIRM TRANSPORTATION SERVICE<sup>1</sup> CONTRACT UTILIZATION<sup>3</sup>

By NGTL Pipeline Segments

May 2019

Segment	Contract	Delivery		Receipt	
		Utilization	May CD (TJ/d)	Utilization	May CD (MMcf/d)
UPRM	FT	0%	0.0	52%	78
	FT + IT <sup>2</sup>	0%		52%	
PRLL	FT	45%	30.4	78%	241
	FT + IT	48%		80%	
NWML	FT	46%	7.0	70%	313
	FT + IT	47%		70%	
GRDL	FT	0%	0.0	76%	3,451
	FT + IT	0%		76%	
WAEX	FT	39%	16.0	75%	910
	FT + IT	93%		75%	
JUDY	FT	50%	18.0	69%	38
	FT + IT	61%		74%	
GPML	FT	46%	196.2	76%	5,025
	FT + IT	68%		76%	
CENT	FT	0%	0.0	59%	2,482
	FT + IT	0%		59%	
LPOL	FT	55%	95.0	67%	1,021
	FT + IT	58%		69%	
WGAT	FT	77%	3,948.2	96%	228
	FT + IT	78%		112%	
ALEG	FT	46%	380.2	91%	555
	FT + IT	47%		108%	
SLAT	FT	22%	178.8	94%	143
	FT + IT	22%		122%	
MLAT	FT	91%	261.3	95%	64
	FT + IT	91%		137%	
BLEG	FT	57%	176.6	95%	379
	FT + IT	59%		113%	
EGAT	FT	98%	4,273.4	92%	15
	FT + IT	100%		124%	
MRTN	FT	41%	16.0	77%	45
	FT + IT	46%		88%	
LIEG	FT	67%	2,099.3	61%	22
	FT + IT	67%		107%	
KIRB	FT	71%	1,716.0	52%	7
	FT + IT	71%		170%	
SMHI	FT	63%	12.0	66%	13
	FT + IT	63%		83%	
REDL	FT	20%	14.0	79%	11
	FT + IT	21%		152%	
COLD	FT	54%	211.8	44%	6
	FT + IT	54%		152%	
EDM	FT	41%	1,882.1	72%	25
	FT + IT	42%		100%	
NLAT	FT	60%	34.0	95%	81
	FT + IT	61%		141%	
WAIN	FT	14%	0.3	92%	3
	FT + IT	20%		145%	
ELAT	FT	66%	318.7	91%	89
	FT + IT	66%		120%	
TOTAL SYSTEM	FT	74%	15,885.1	74%	15,244
	FT + IT	75%		77%	

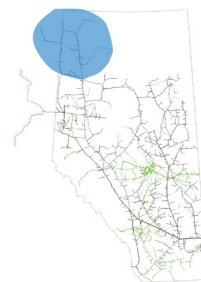
\*NOTE:

1. FT includes all receipt and delivery Firm Transportation Services.

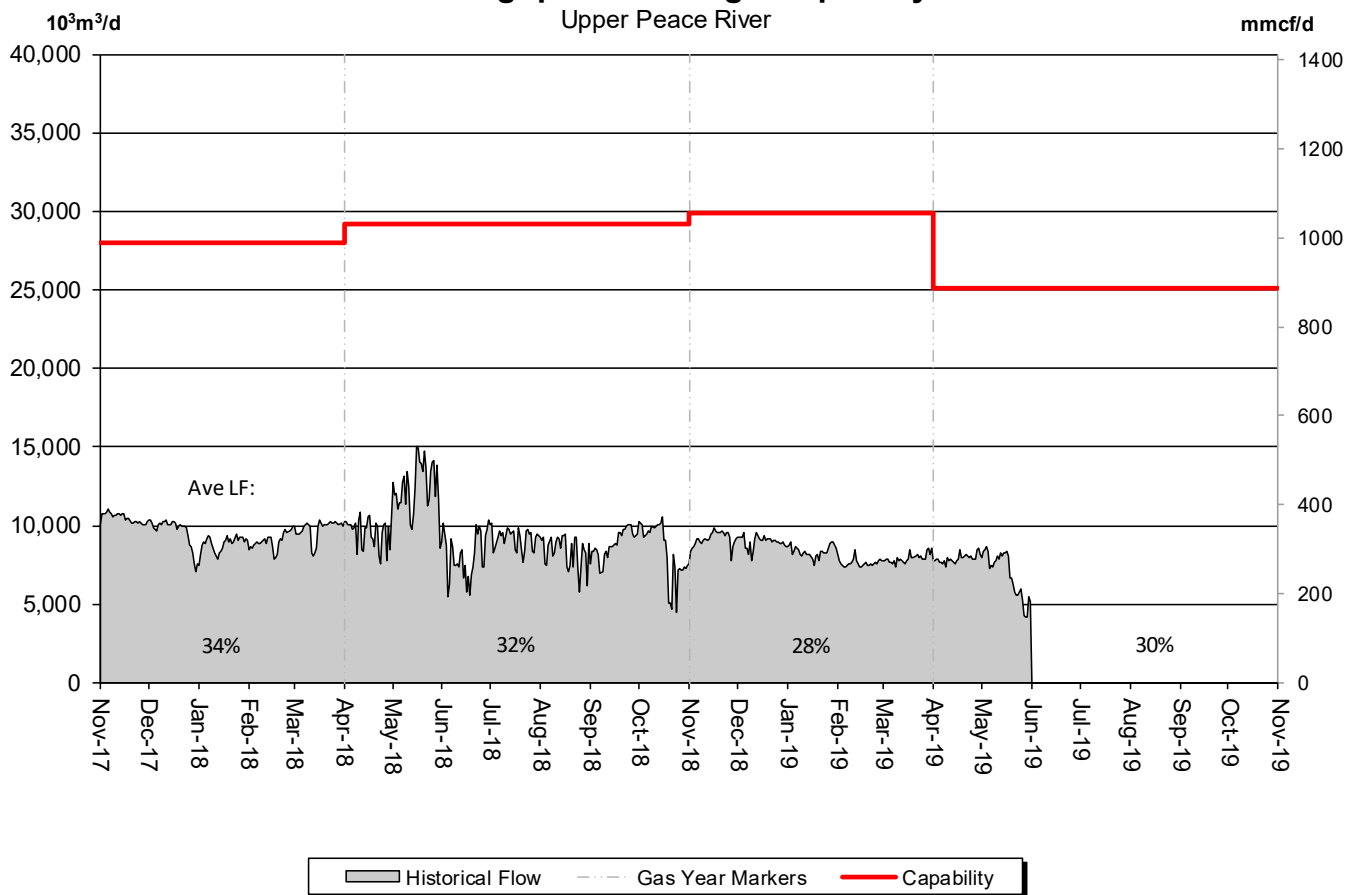
2. IT includes receipt and delivery Interruptible Services.

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

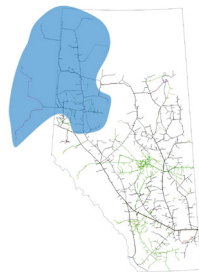


## Throughput vs. Design Capability



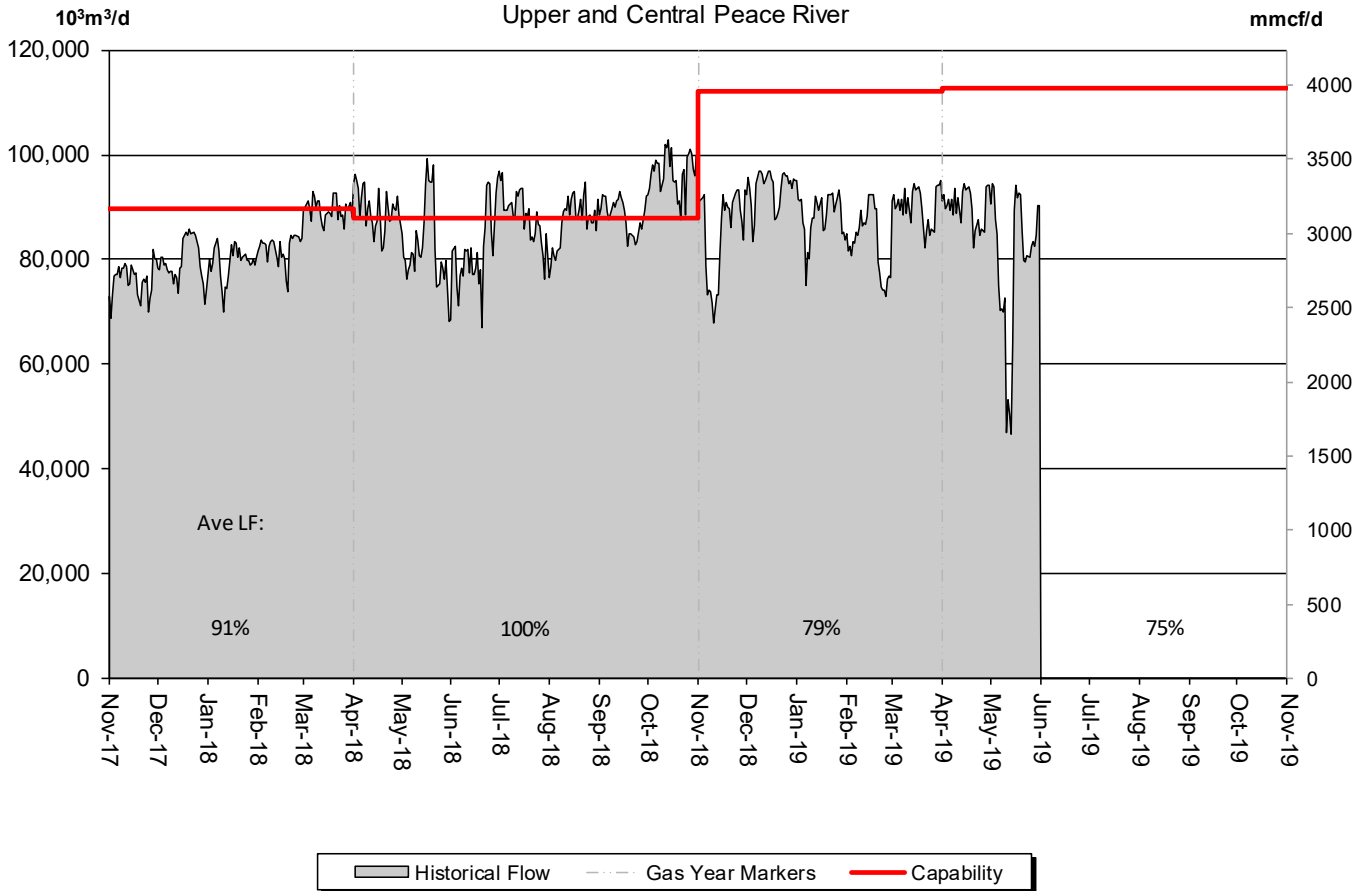
% Design Capacity Utilization						
Average	Dec	Jan	Feb	Mar	Apr	May
Flow/	30%	28%	26%	27%	32%	28%

# DESIGN CAPABILITY UTILIZATION UPPER and CENTRAL PEACE RIVER



## Throughput vs. Design Capability

Upper and Central Peace River

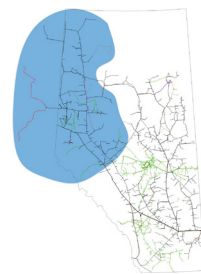


% Design Capability Utilization						
Average Flow/	Dec	Jan	Feb	Mar	Apr	May
	84%	79%	74%	81%	80%	70%

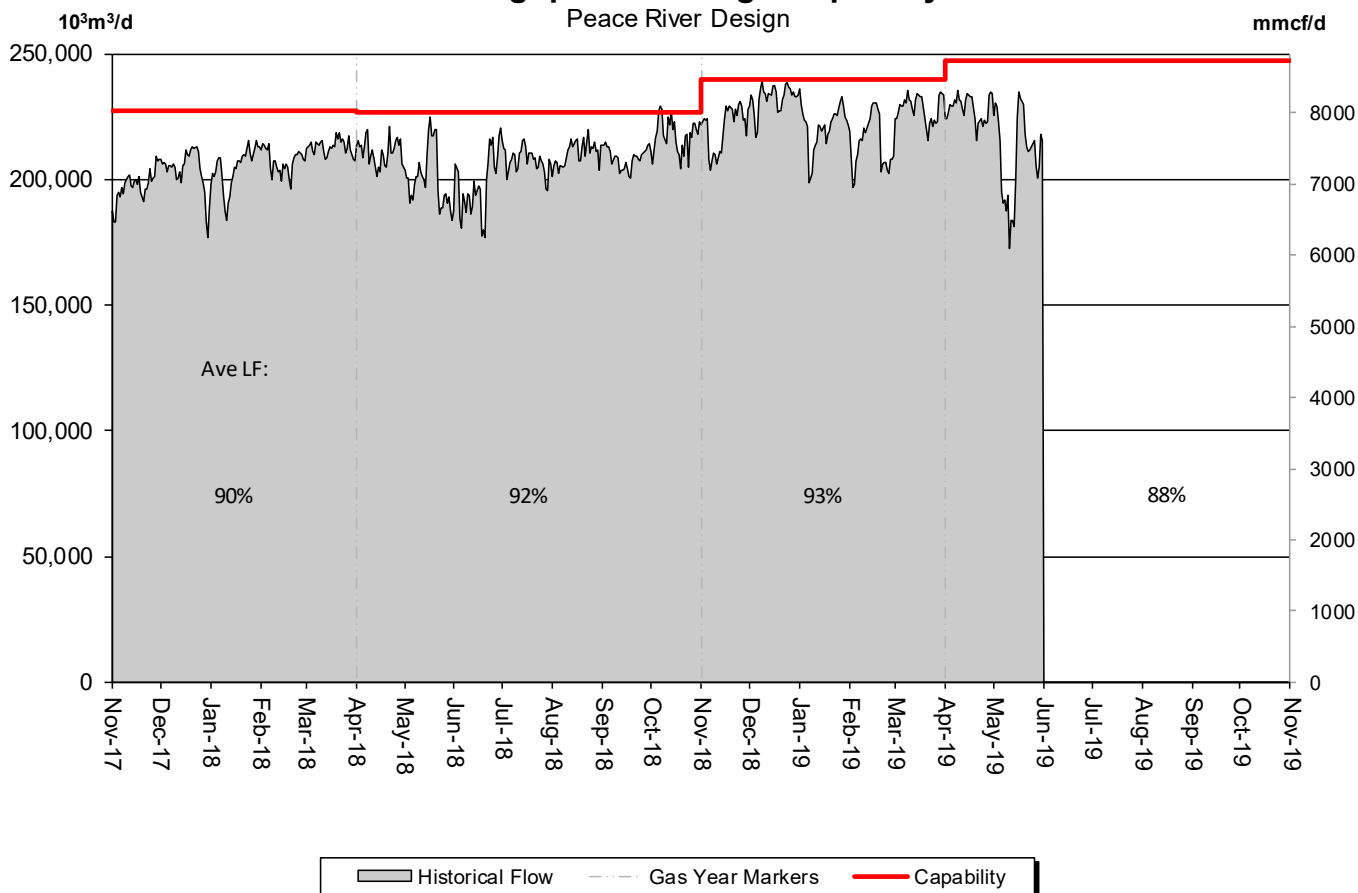
# DESIGN CAPABILITY UTILIZATION

## PEACE RIVER DESIGN

(Upper, Central and Lower Peace River)



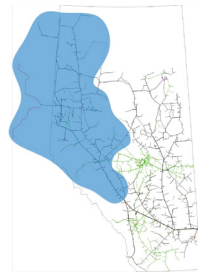
**Throughput vs. Design Capability**  
Peace River Design



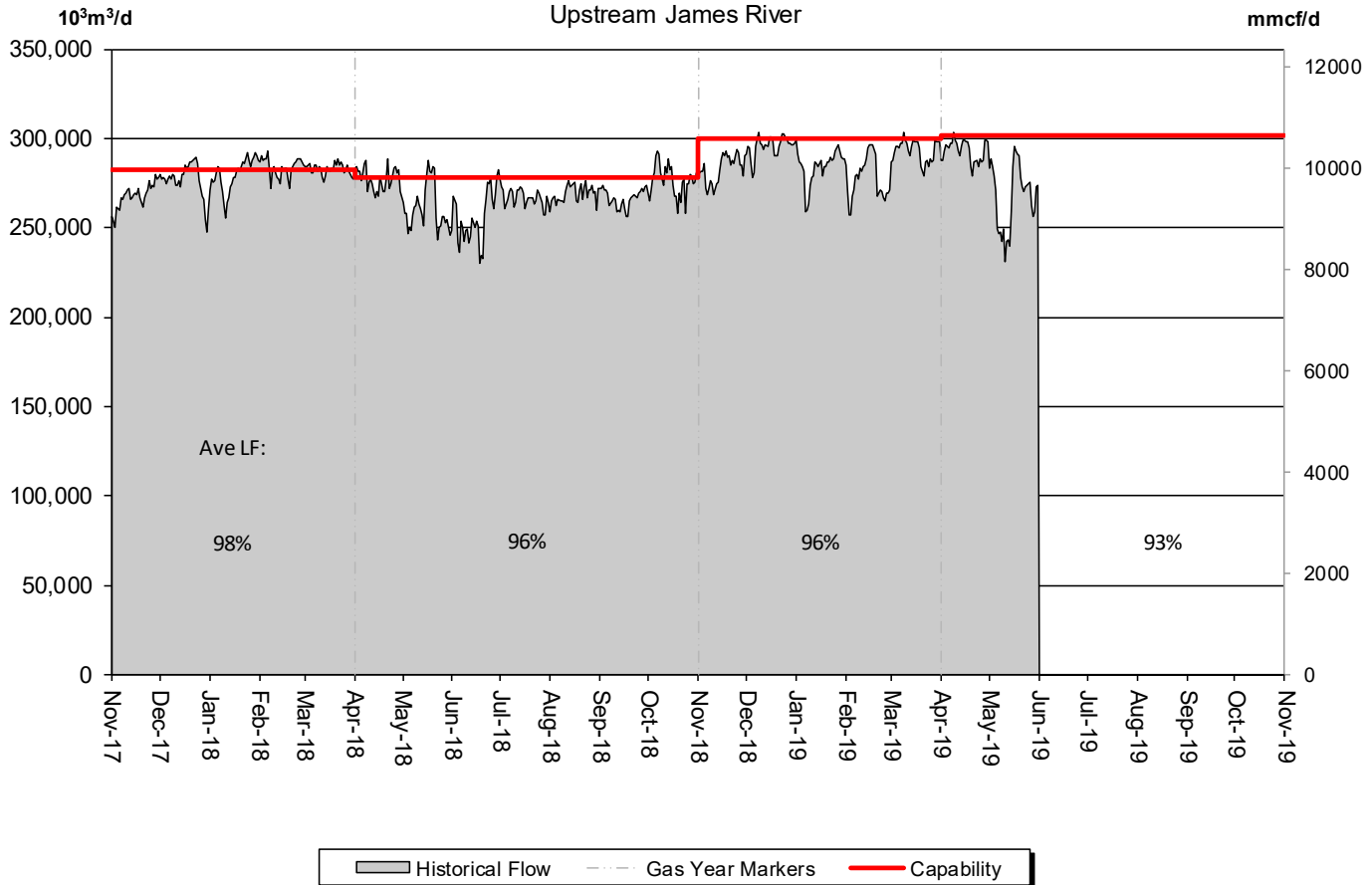
% Design Capability Utilization						
Average Flow/	Dec	Jan	Feb	Mar	Apr	May
	97%	92%	89%	95%	92%	85%

# DESIGN CAPABILITY UTILIZATION UPSTREAM JAMES RIVER

(Edson Mainline, Peace River Design and Marten Hills)



## Throughput vs. Design Capability

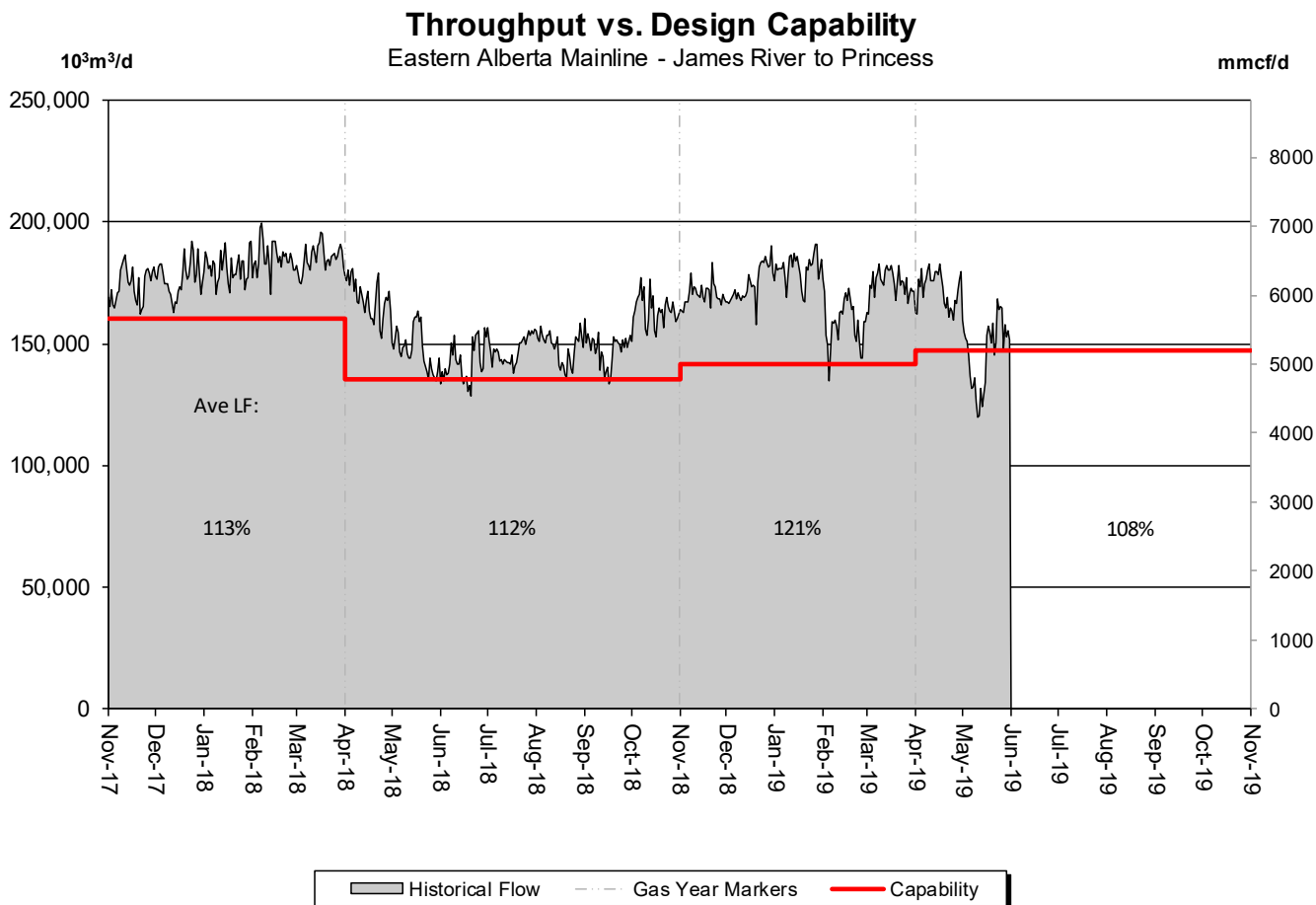


% Design Capability Utilization						
Average Flow/	Dec	Jan	Feb	Mar	Apr	May
	99%	95%	93%	98%	97%	88%

# DESIGN CAPABILITY UTILIZATION

## EASTERN ALBERTA MAINLINE

(James River to Princess)



% Design Capability Utilization						
Average Flow/	Dec	Jan	Feb	Mar	Apr	May
	123%	128%	112%	123%	117%	100%



# DESIGN CAPABILITY UTILIZATION

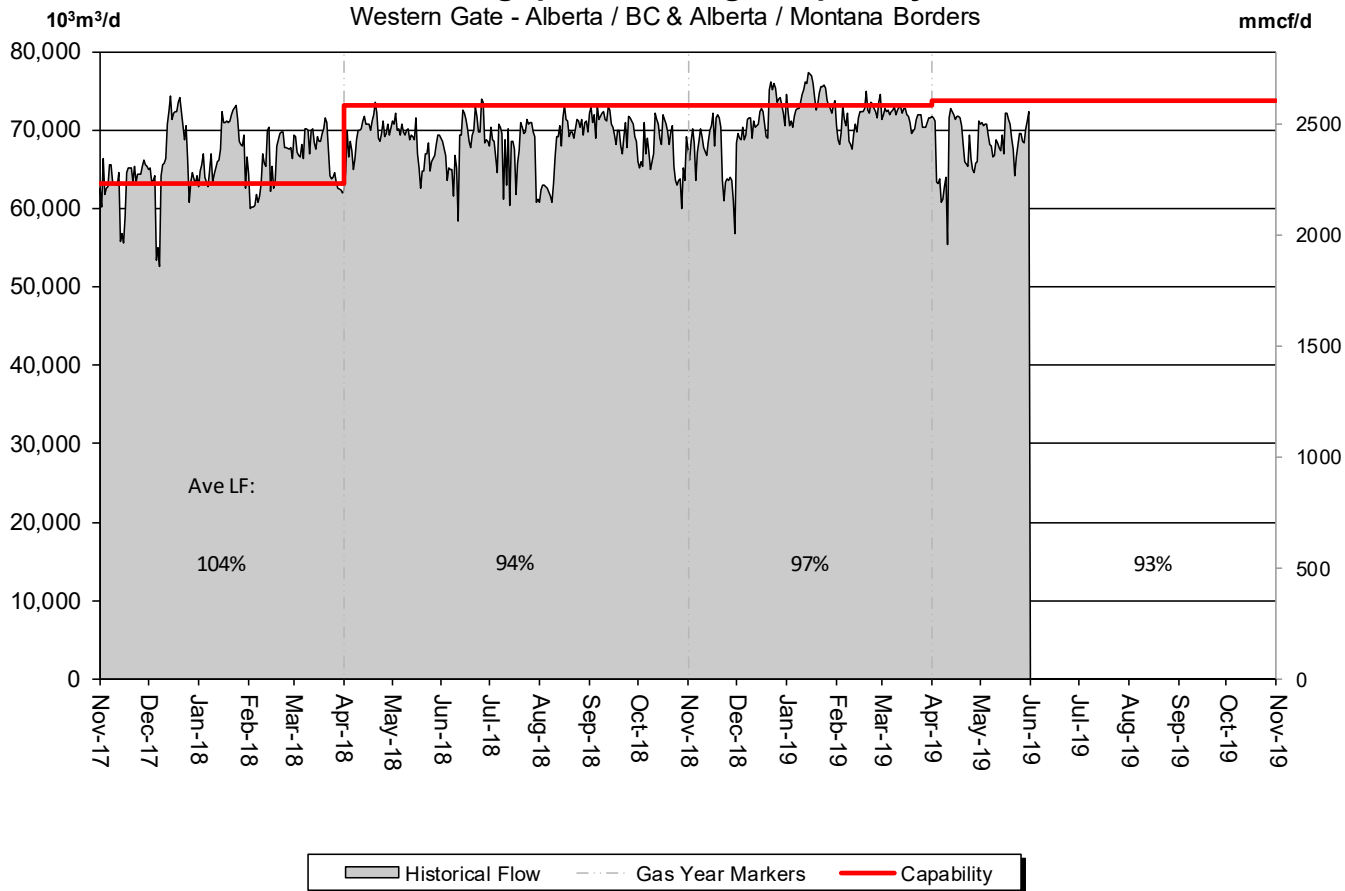
## WESTERN ALBERTA MAINLINE

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



### Throughput vs. Design Capability

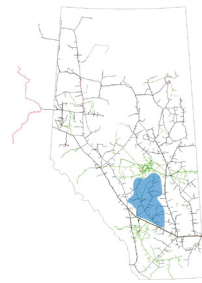
Western Gate - Alberta / BC & Alberta / Montana Borders



% Design Capability Utilization						
Average Flow/	Dec	Jan	Feb	Mar	Apr	May
	98%	101%	98%	98%	91%	94%

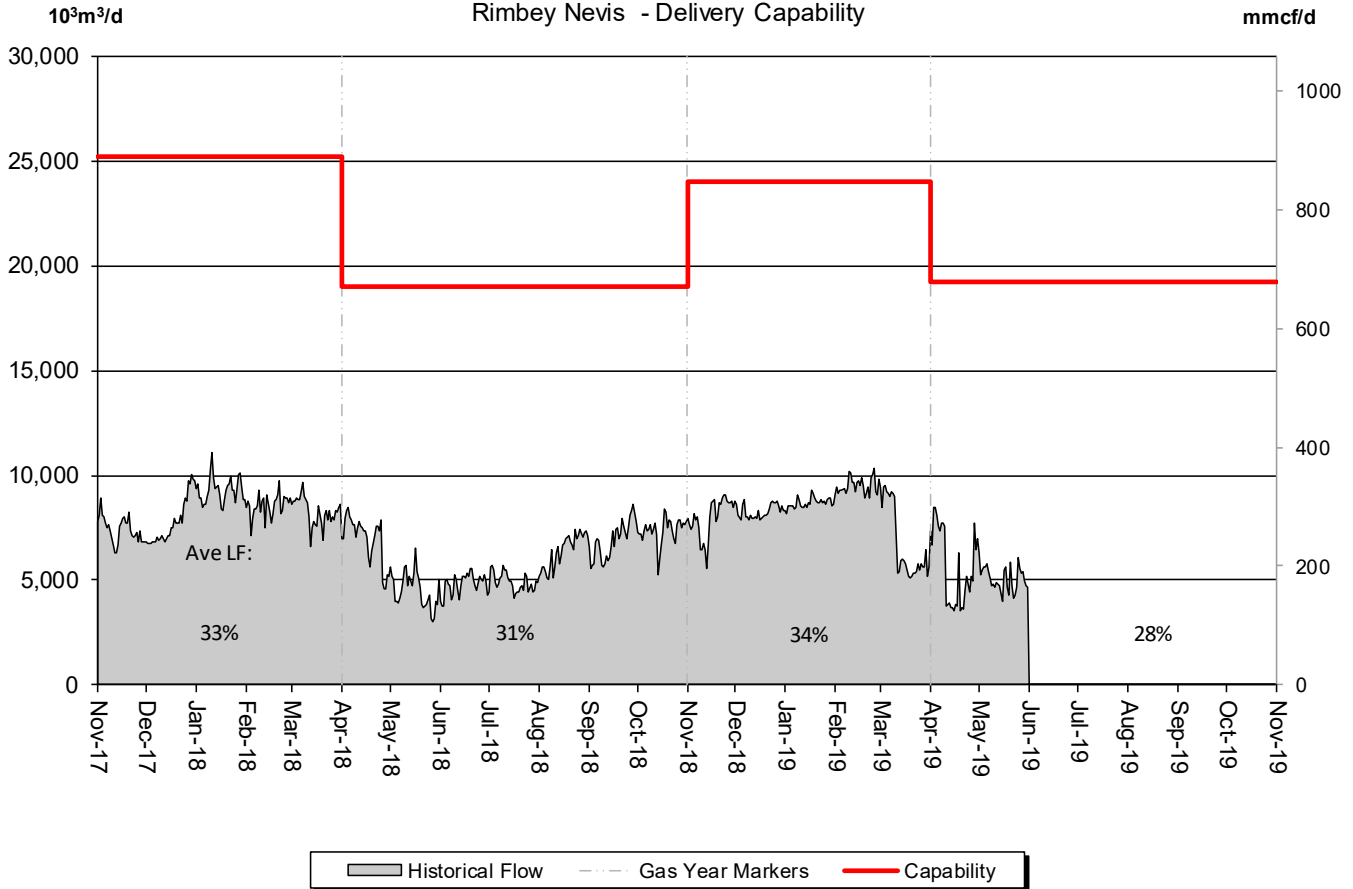
# DESIGN CAPABILITY UTILIZATION

## RIMBEY-NEVIS – FLOW WITHIN



### Total Deliveries vs. Design Capability

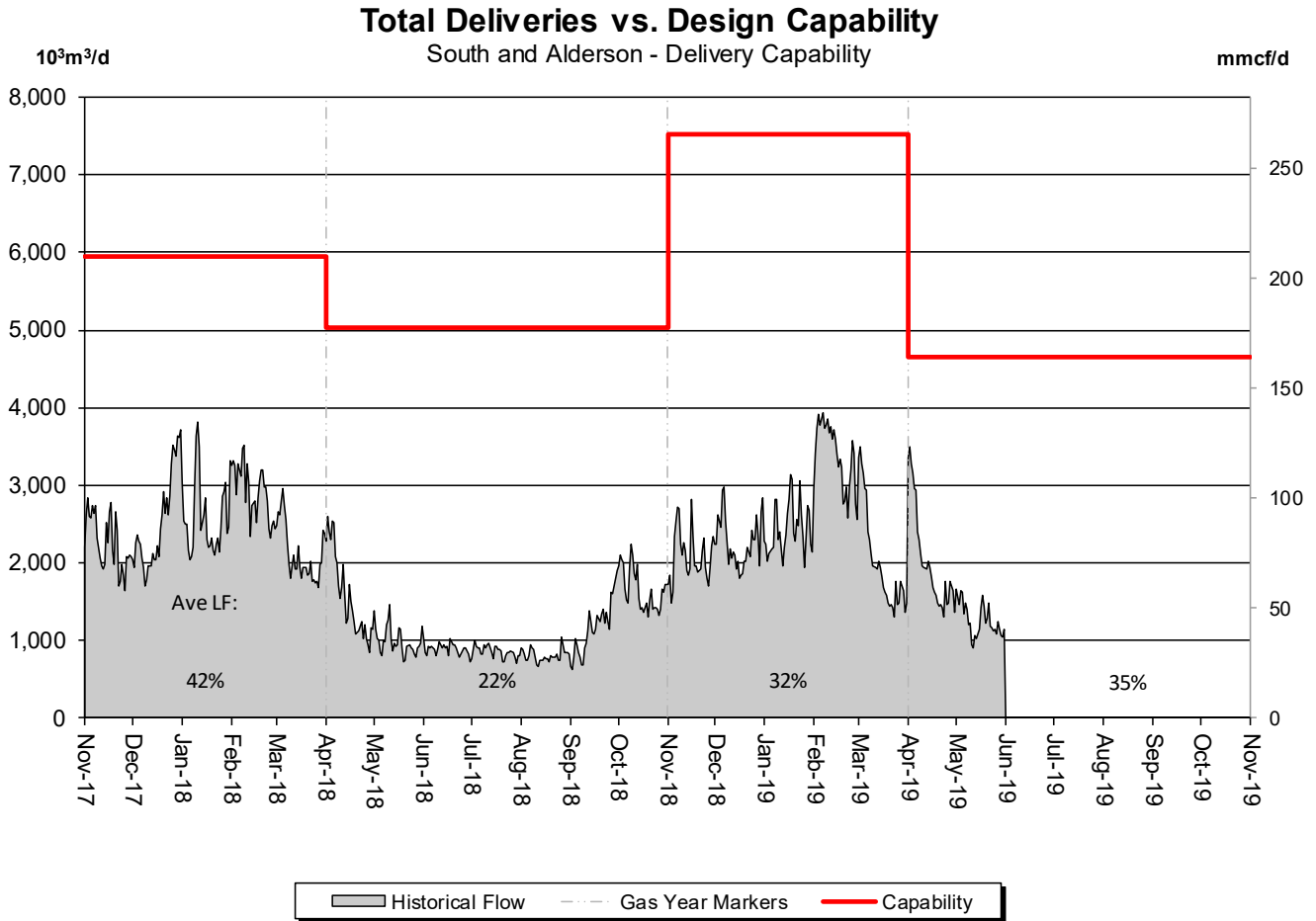
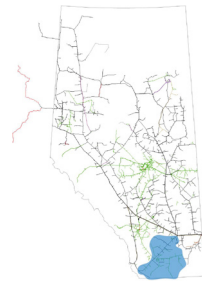
Rimbey Nevis - Delivery Capability



% Design Capability Utilization						
Average Flow/	Dec	Jan	Feb	Mar	Apr	May
	34%	36%	40%	28%	29%	26%

# DESIGN CAPABILITY UTILIZATION

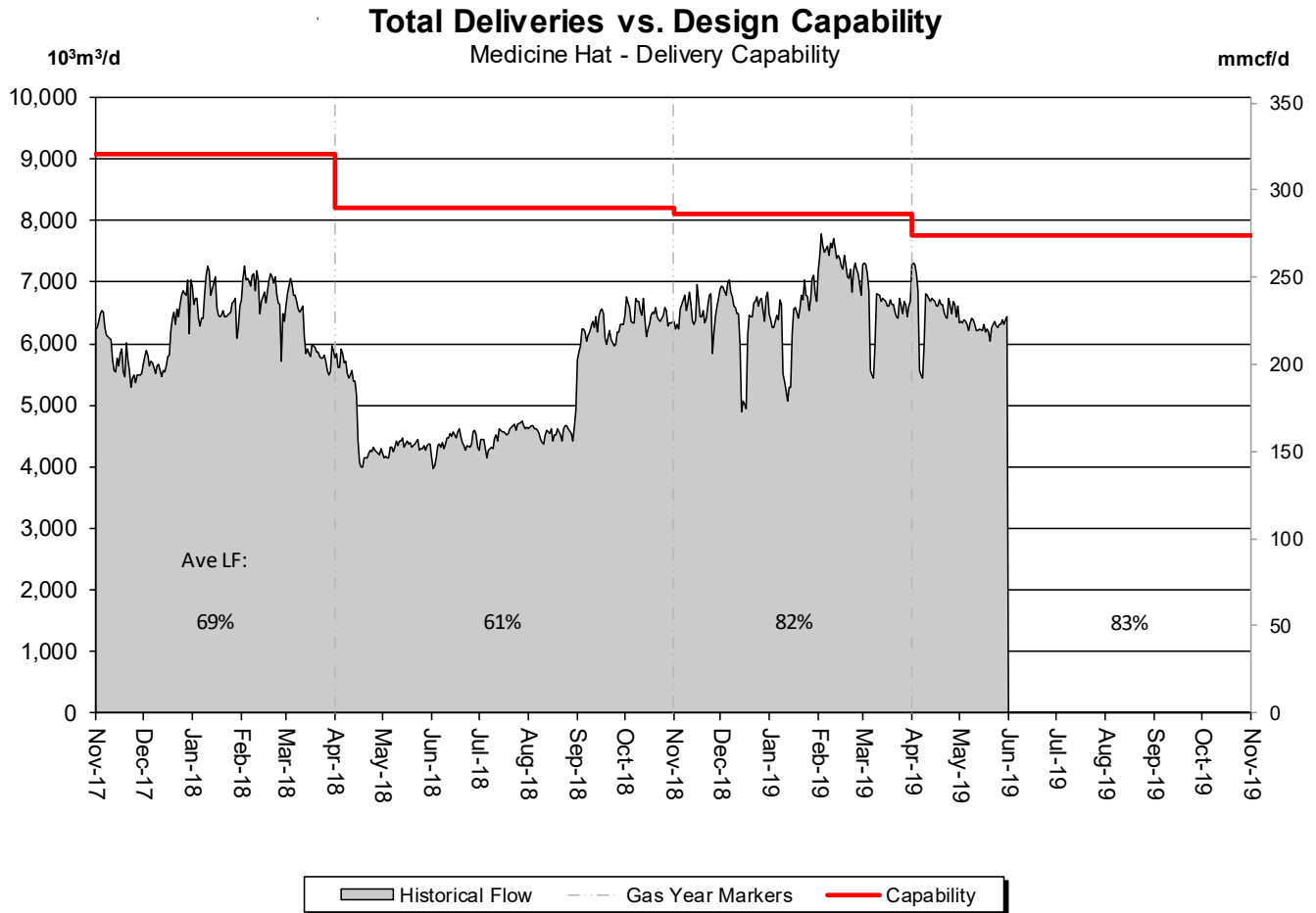
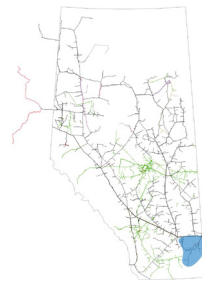
## SOUTH and ALDERSON – FLOW WITHIN



% Design Capability Utilization						
Average Flow/	Dec	Jan	Feb	Mar	Apr	May
	30%	32%	45%	27%	43%	27%

# DESIGN CAPABILITY UTILIZATION

## MEDICINE HAT – FLOW WITHIN



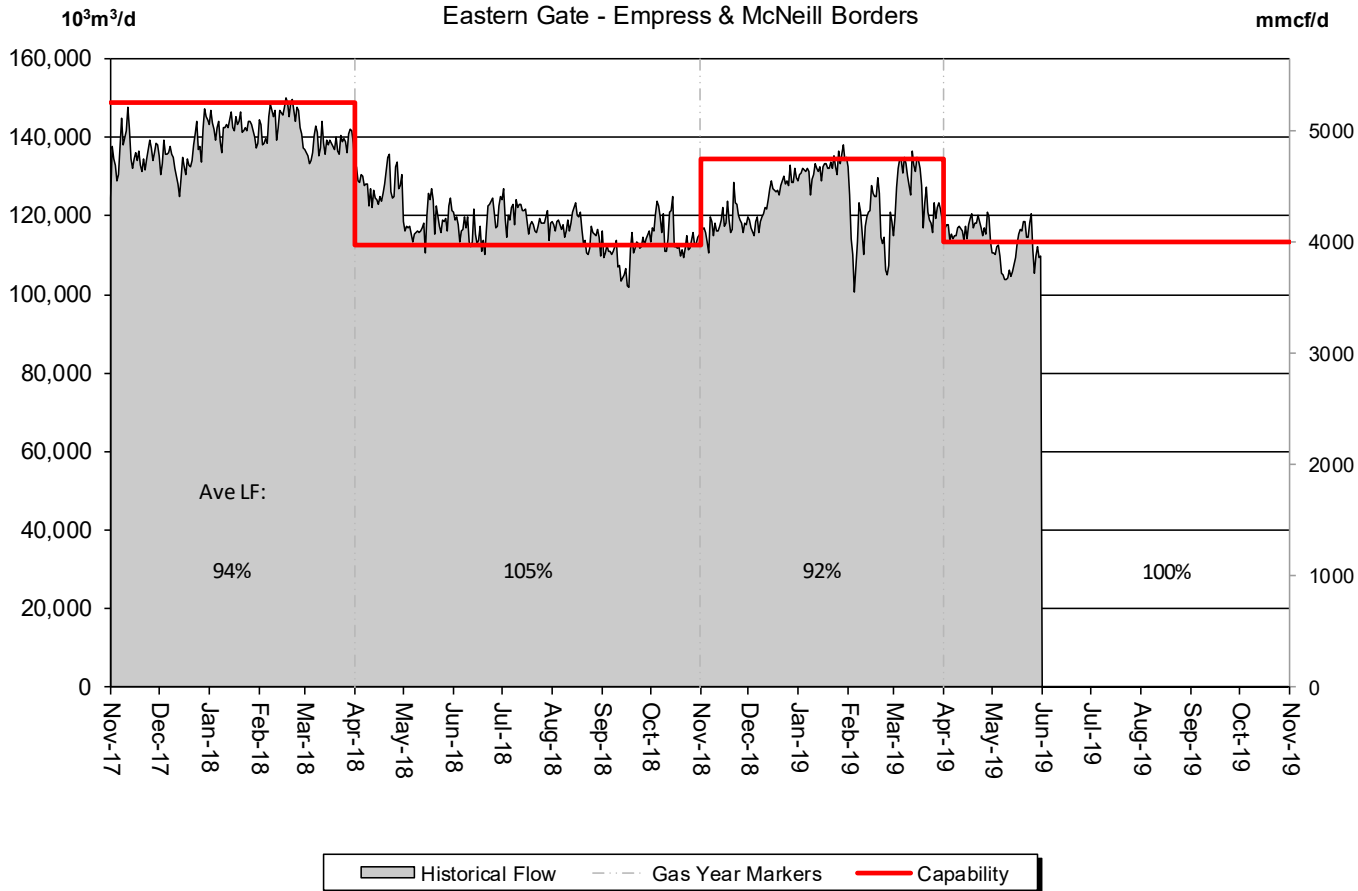
% Design Capability Utilization						
Average	Dec	Jan	Feb	Mar	Apr	May
Flow/	79%	79%	90%	81%	85%	81%

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



## Throughput vs. Design Capability

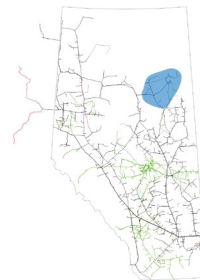
Eastern Gate - Empress & McNeill Borders



% Design Capability Utilization						
Average Flow/	Dec	Jan	Feb	Mar	Apr	May
	93%	98%	88%	94%	103%	98%

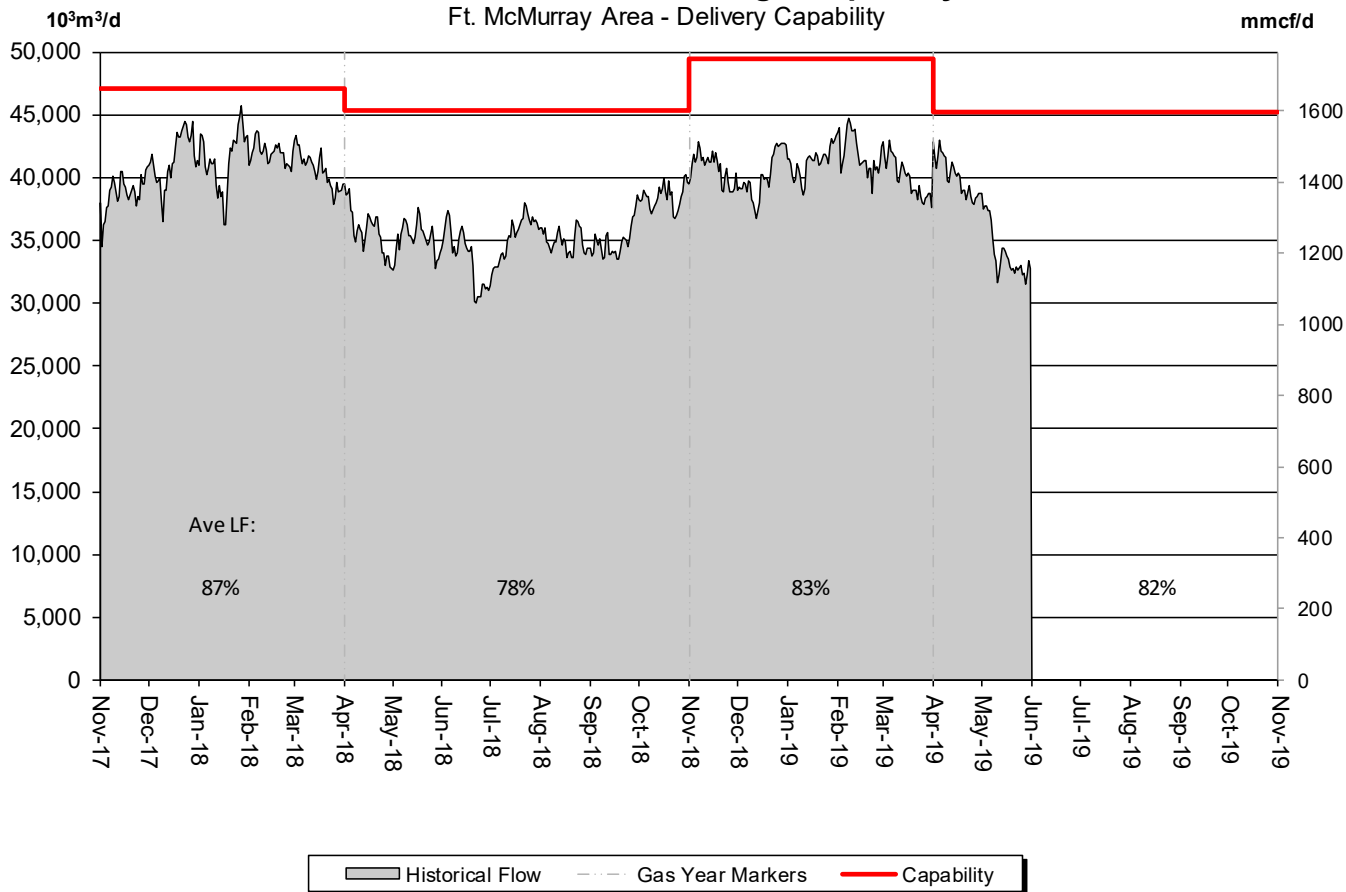
# DESIGN CAPABILITY UTILIZATION

## FT. McMURRAY AREA – FLOW WITHIN



### Total Deliveries vs. Design Capability

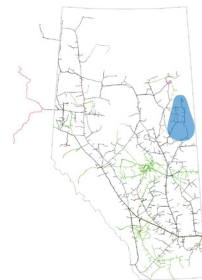
Ft. McMurray Area - Delivery Capability



% Design Capability Utilization						
Average Flow/	Dec	Jan	Feb	Mar	Apr	May
	81%	83%	85%	81%	89%	75%

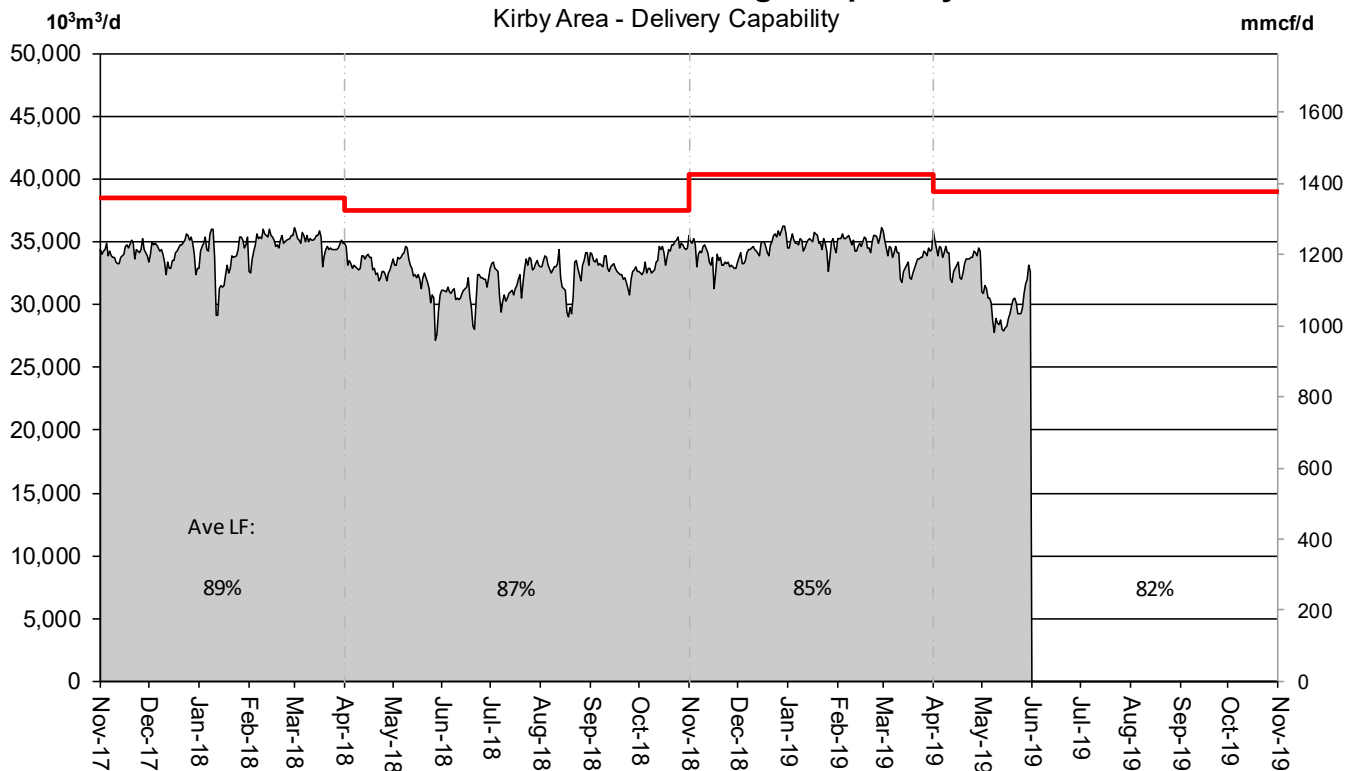
# DESIGN CAPABILITY UTILIZATION

## KIRBY AREA – FLOW WITHIN



### Total Deliveries vs. Design Capability

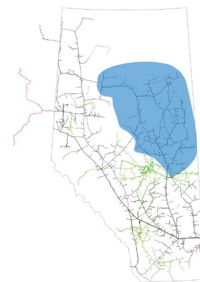
Kirby Area - Delivery Capability



Historical Flow Gas Year Markers Capability

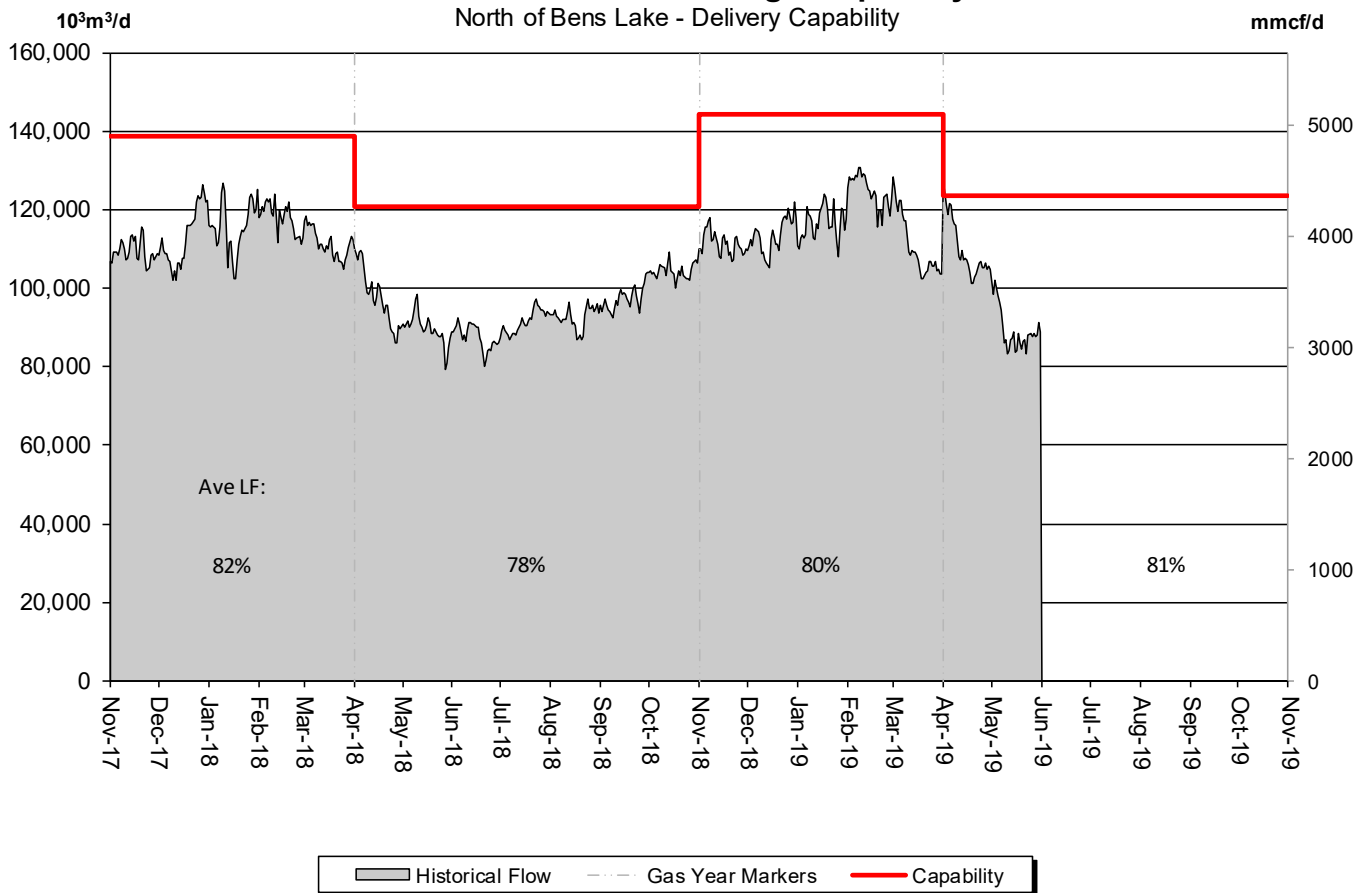
% Design Capability Utilization						
Average Flow/	Dec	Jan	Feb	Mar	Apr	May
	86%	86%	87%	84%	86%	77%

# DESIGN CAPABILITY UTILIZATION NORTH OF BENS LAKE – FLOW WITHIN



## Total Deliveries vs. Design Capability

North of Bens Lake - Delivery Capability

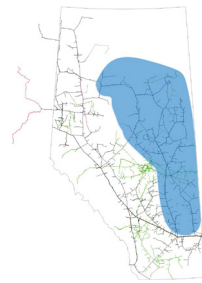


% Design Capability Utilization						
Average Flow/	Dec	Jan	Feb	Mar	Apr	May
	79%	81%	87%	77%	89%	72%



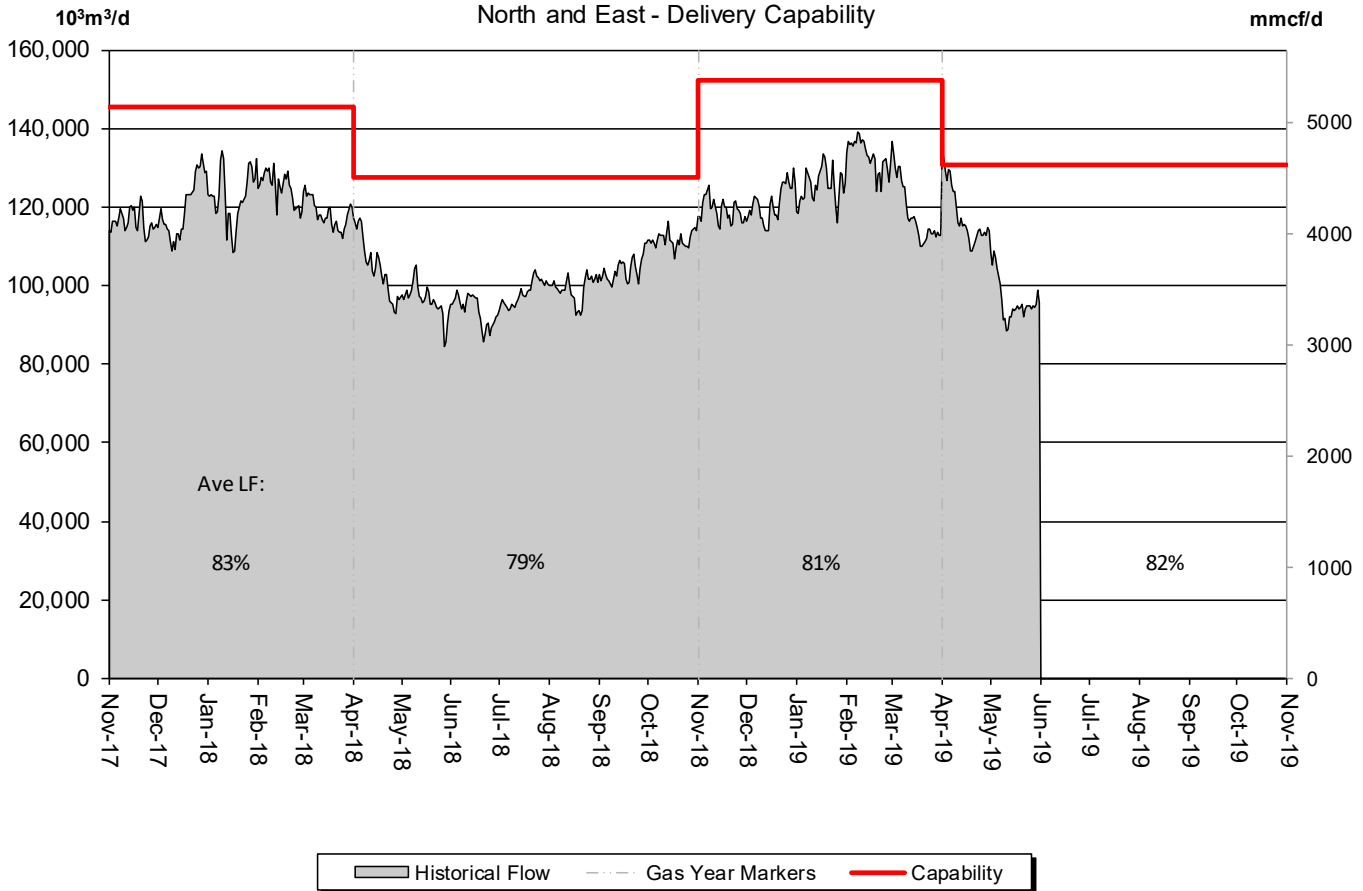
# DESIGN CAPABILITY UTILIZATION

## NORTH & SOUTH OF BENS LAKE – FLOW WITHIN



### Total Deliveries vs. Design Capability

North and East - Delivery Capability



% Design Capability Utilization						
Average Flow/	Dec	Jan	Feb	Mar	Apr	May
	80%	82%	87%	78%	90%	74%

# FUTURE FIRM TRANSPORTATION SERVICE AVAILABILITY

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*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

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## 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.

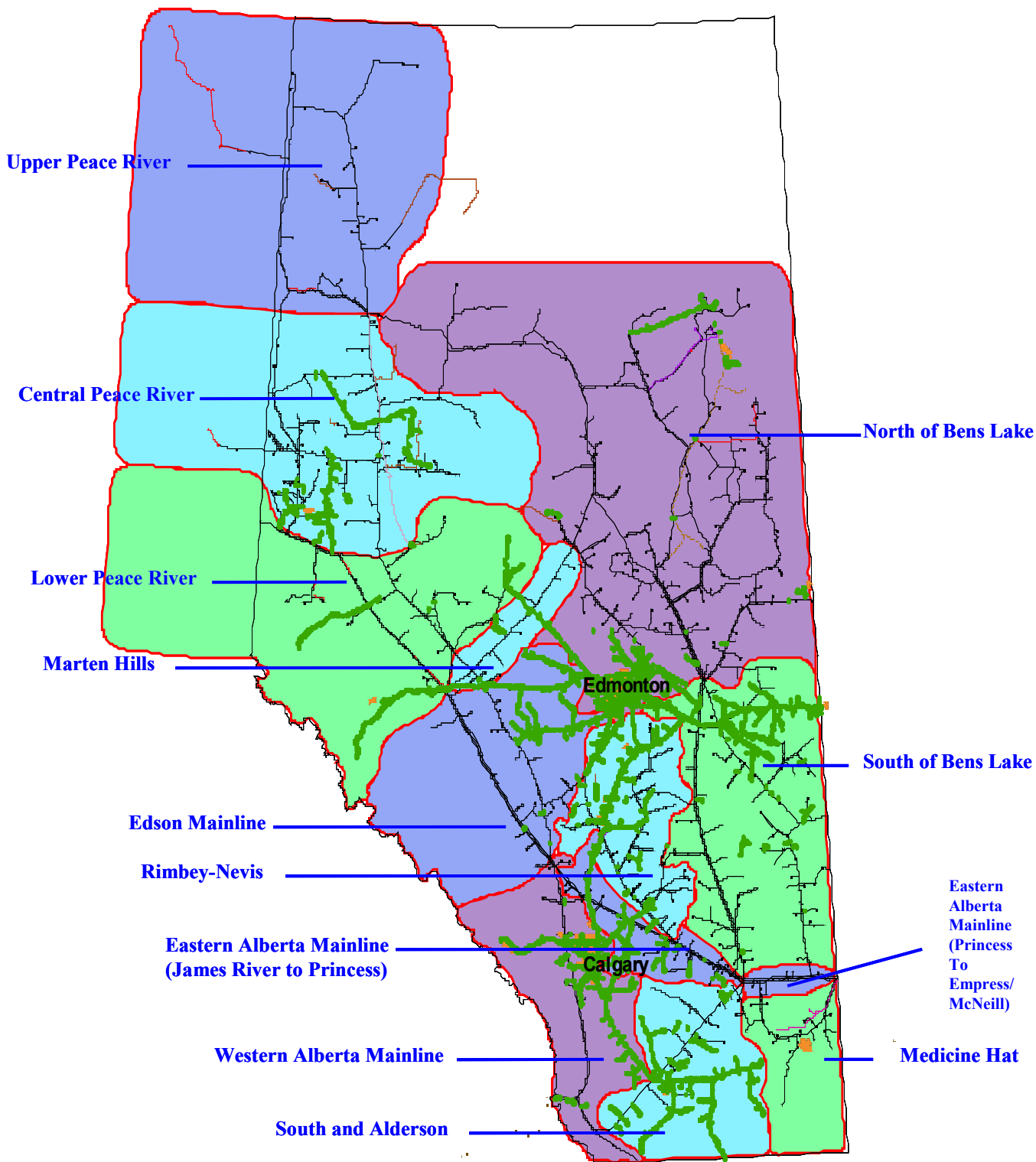
Design Flow Capability utilization is a function of several factors that include:

- 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

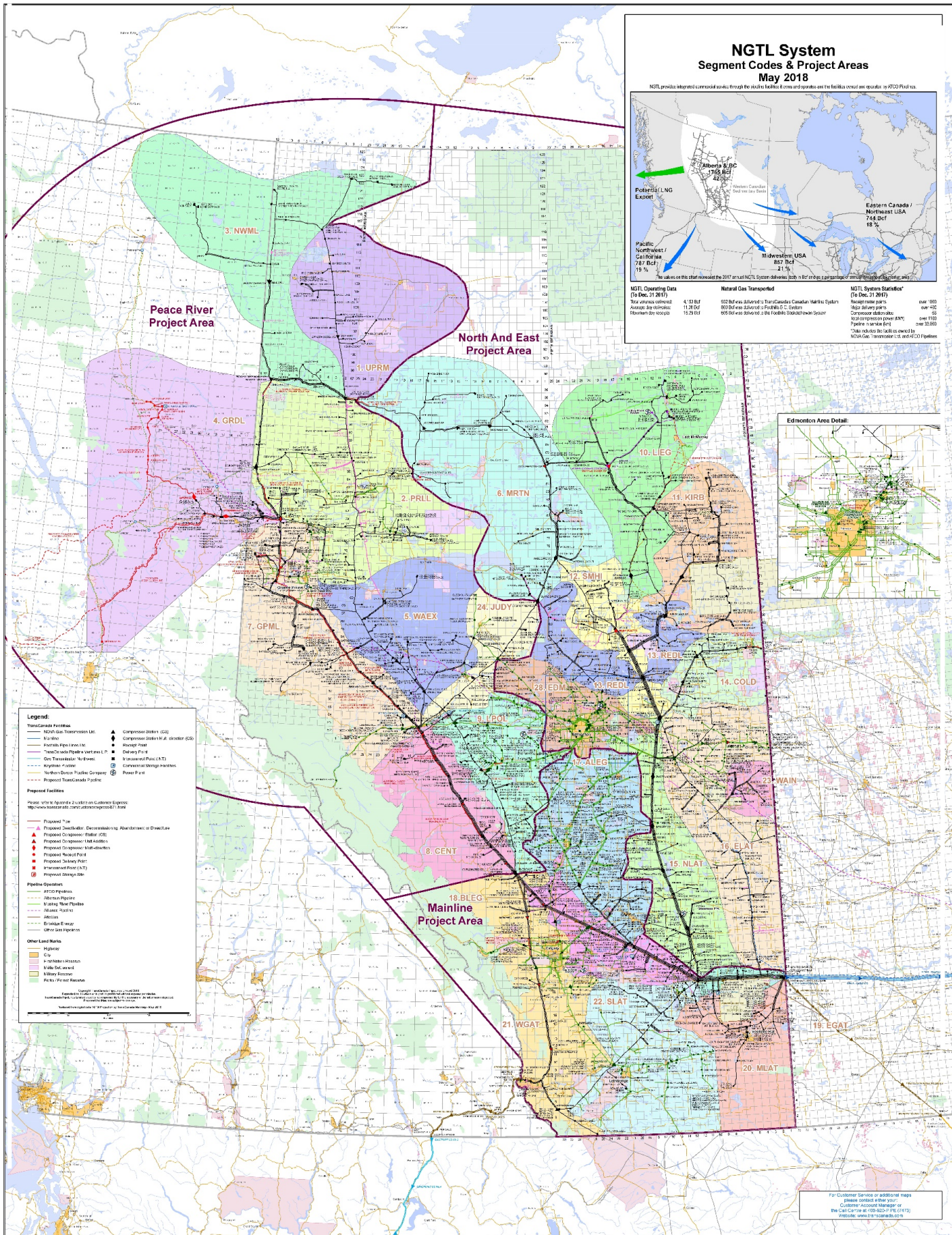
The Future Firm Transportation Service Availability report presents guidelines and timing for all future firm transportation service requests.

# NGTL Design Areas



(Last updated Nov 2011)







# DEFINITION OF TERMS

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## *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.

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## *Other*

### *System Load Factor*

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

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