

# SYSTEM UTILIZATION MONTHLY REPORT

for the month ending

April 2016

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

*Published date:*

**June 23<sup>rd</sup>, 2016**

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## Highlights This Month:

- Reduction in West Gate Summer capability due to reduced local supply, increased local demand, and the system supply shifting further away from this export point. Capability does not reflect James River Bypass Modifications expected in service Q3 2016.

NOVA Gas Transmission Ltd.

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

By NGTL Pipeline Segments

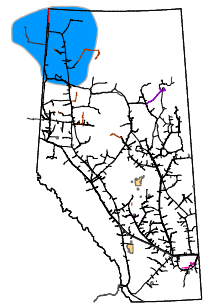
April 2016

Segment	Contract	Utilization	Delivery	Receipt	Apr CD (MMcf/d)
			Apr CD (TJ/d)	Utilization	
UPRM	FT	0%	3.3	85%	58
	FT + IT <sup>2</sup>	34%		88%	
PRL	FT	35%	41.9	89%	91
	FT + IT	36%		96%	
NWML	FT	51%	7.4	87%	401
	FT + IT	56%		88%	
GRDL	FT	31%	8.9	84%	2,097
	FT + IT	33%		85%	
WRSY	FT	0%	0.0	87%	23
	FT + IT	0%		98%	
WAEX	FT	13%	13.9	86%	629
	FT + IT	32%		87%	
JUDY	FT	40%	28.8	81%	58
	FT + IT	46%		89%	
GPML	FT	29%	165.1	84%	4,045
	FT + IT	34%		86%	
CENT	FT	0%	0.0	94%	1,533
	FT + IT	0%		100%	
LPOL	FT	25%	72.1	92%	775
	FT + IT	26%		103%	
WGAT	FT	70%	3,600.7	92%	309
	FT + IT	73%		99%	
ALEG	FT	39%	394.7	94%	831
	FT + IT	42%		105%	
SLAT	FT	19%	184.7	88%	216
	FT + IT	19%		100%	
MLAT	FT	75%	279.3	70%	202
	FT + IT	79%		75%	
BLEG	FT	49%	132.7	90%	558
	FT + IT	49%		98%	
EGAT	FT	93%	3,197.1	66%	34
	FT + IT	144%		74%	
MRTN	FT	19%	30.0	63%	51
	FT + IT	20%		117%	
LIEG	FT	58%	1,824.0	38%	32
	FT + IT	62%		130%	
KIRB	FT	70%	1,533.7	72%	43
	FT + IT	70%		108%	
SMHI	FT	44%	12.1	82%	27
	FT + IT	44%		127%	
REDL	FT	8%	19.0	54%	33
	FT + IT	13%		116%	
COLD	FT	36%	146.2	63%	21
	FT + IT	72%		92%	
EDM	FT	37%	1,876.1	92%	37
	FT + IT	37%		129%	
NLAT	FT	18%	14.9	94%	126
	FT + IT	18%		115%	
WAIN	FT	12%	0.4	84%	7
	FT + IT	12%		109%	
ELAT	FT	77%	270.4	93%	120
	FT + IT	84%		113%	
TOTAL SYSTEM	FT	66%	13,857.4	87%	12,356
	FT + IT	80%		92%	

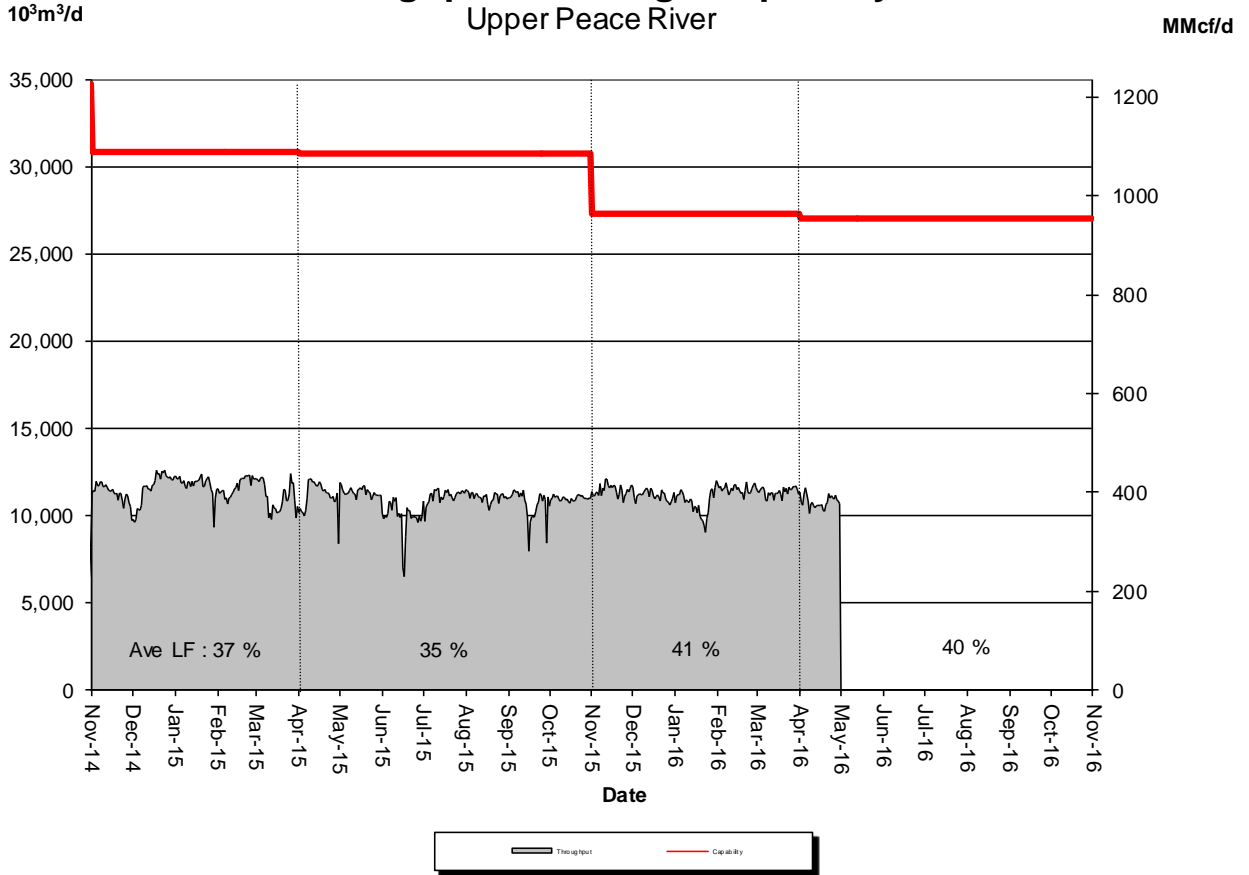
\*NOTE:

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

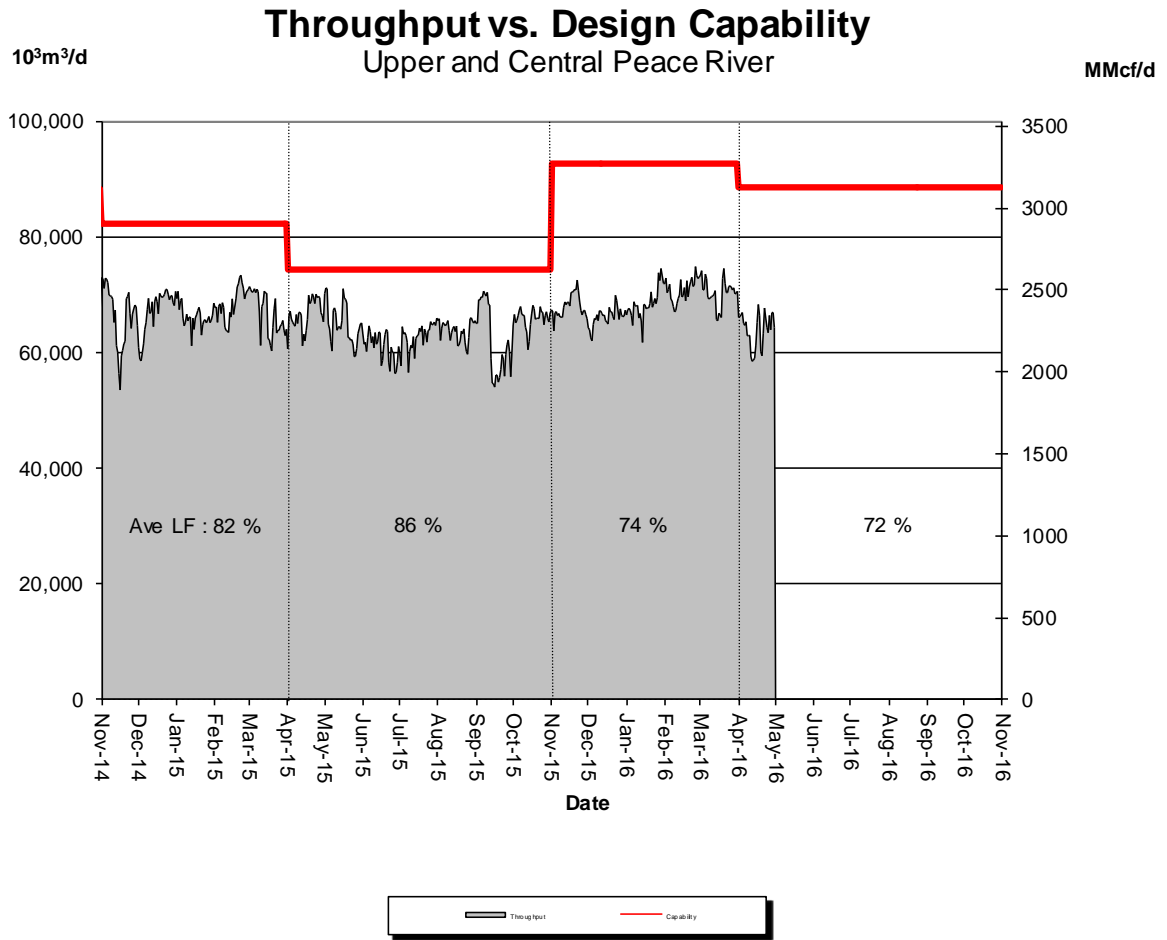
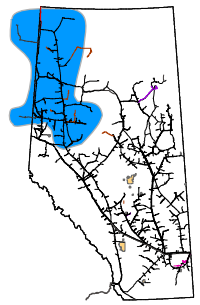


## Throughput vs. Design Capability Upper Peace River



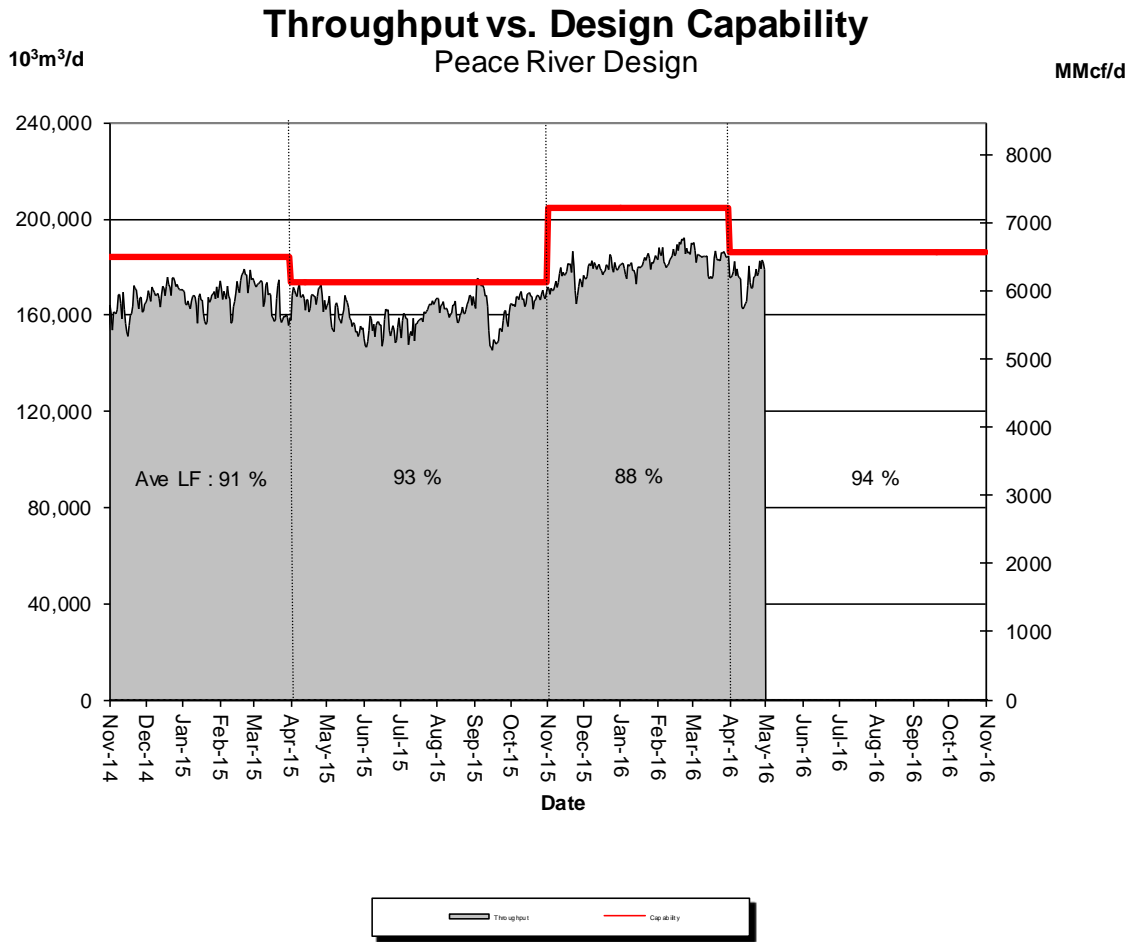
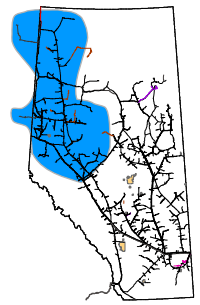
% Design Capability Utilization						
Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	42%	41%	39%	42%	42%	40%

# DESIGN CAPABILITY UTILIZATION UPPER and CENTRAL PEACE RIVER



% Design Capability Utilization						
Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	73%	71%	74%	76%	76%	72%

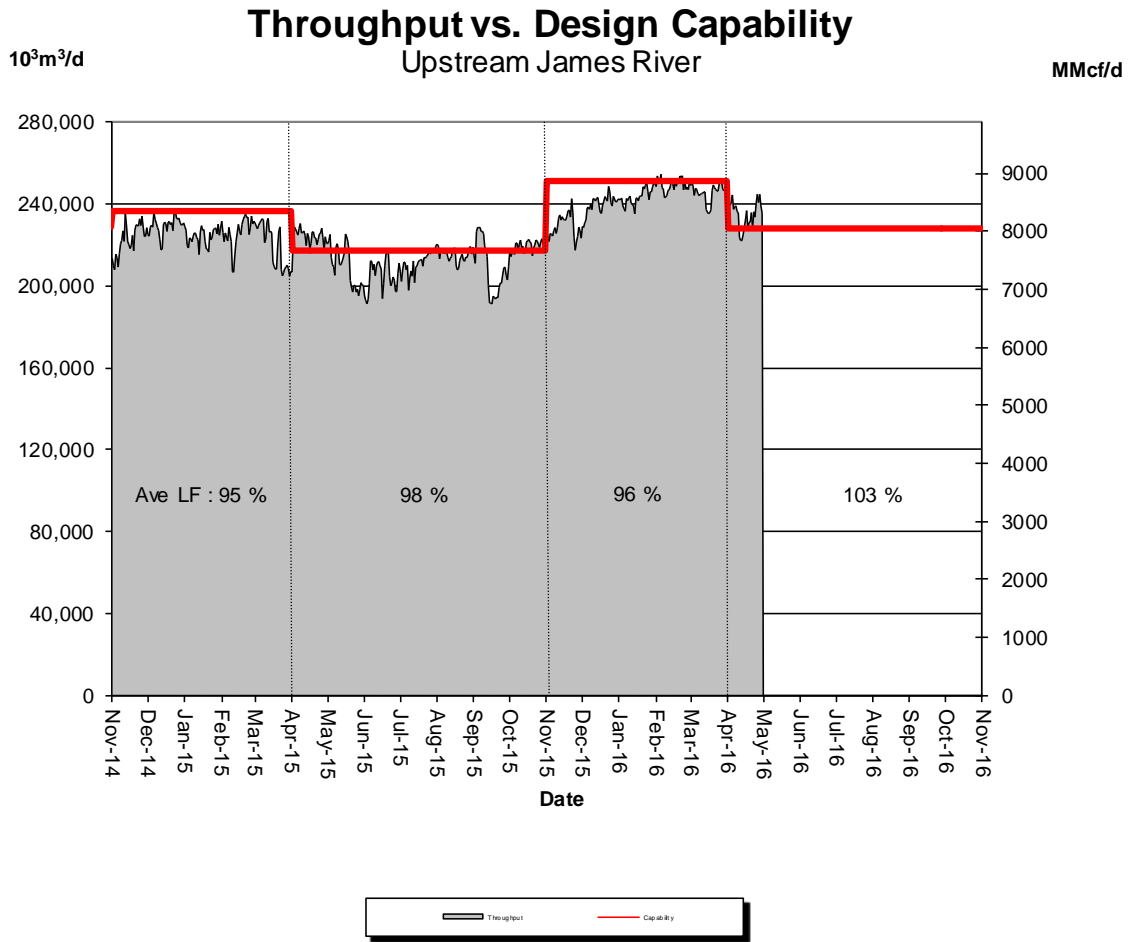
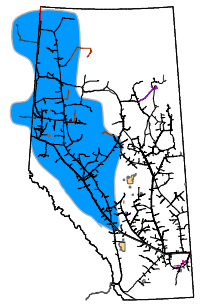
# DESIGN CAPABILITY UTILIZATION PEACE RIVER DESIGN (Upper, Central and Lower Peace River)



% Design Capability Utilization						
Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	85%	88%	88%	91%	90%	94%

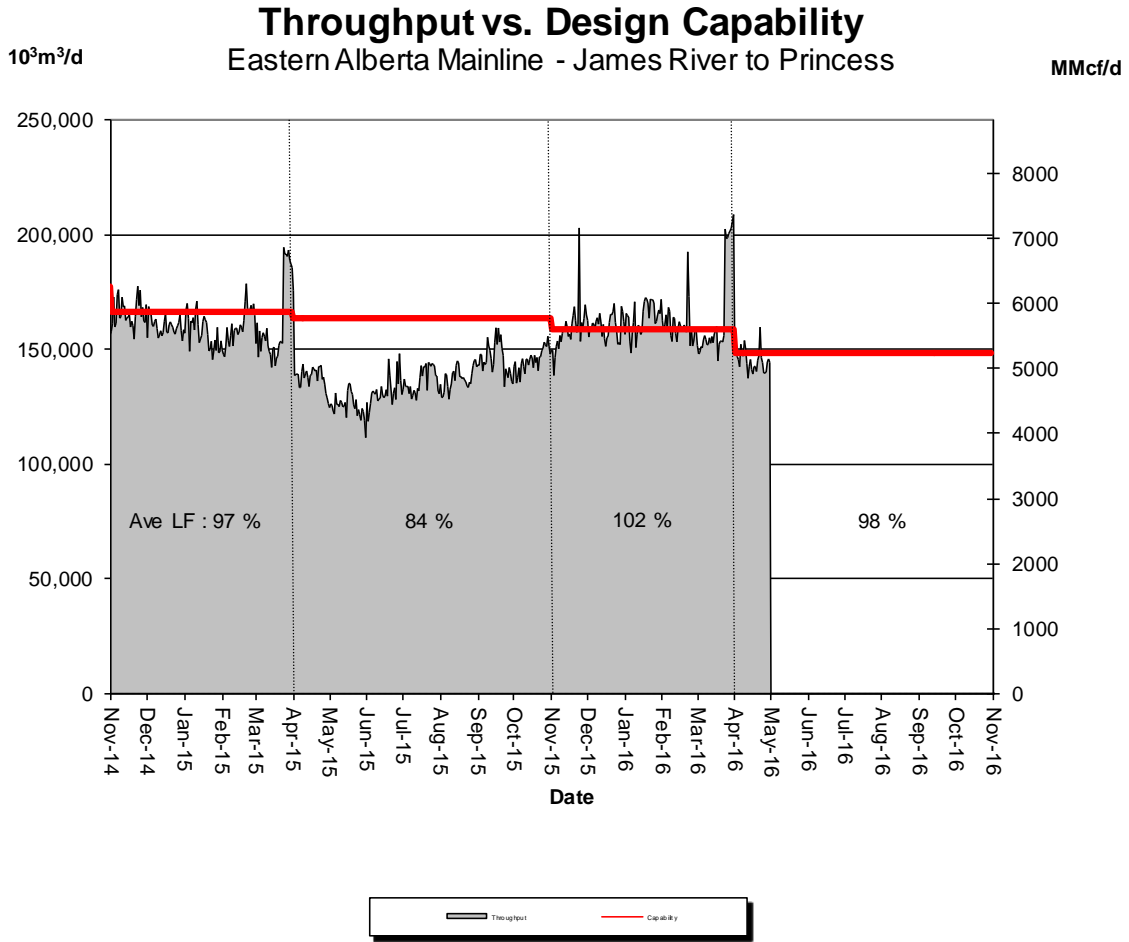
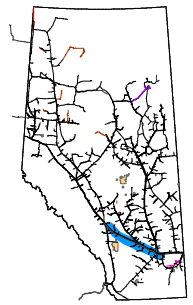
# DESIGN CAPABILITY UTILIZATION UPSTREAM JAMES RIVER

(Edson Mainline, Peace River Design and Marten Hills)



% Design Capability Utilization						
Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	91%	95%	97%	99%	98%	103%

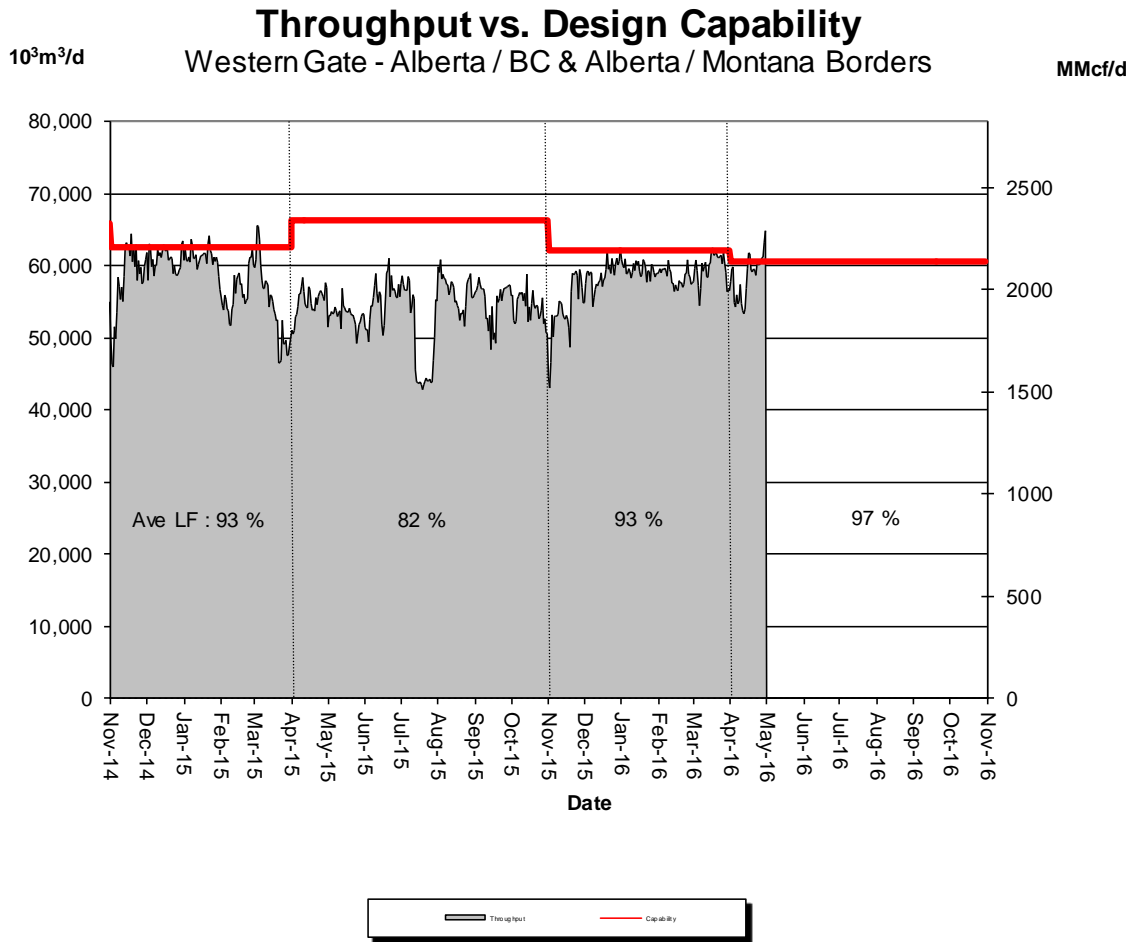
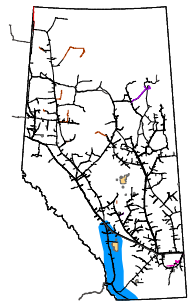
# DESIGN CAPABILITY UTILIZATION EASTERN ALBERTA MAINLINE (James River to Princess)



% Design Capability Utilization						
Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	100%	101%	103%	101%	105%	98%

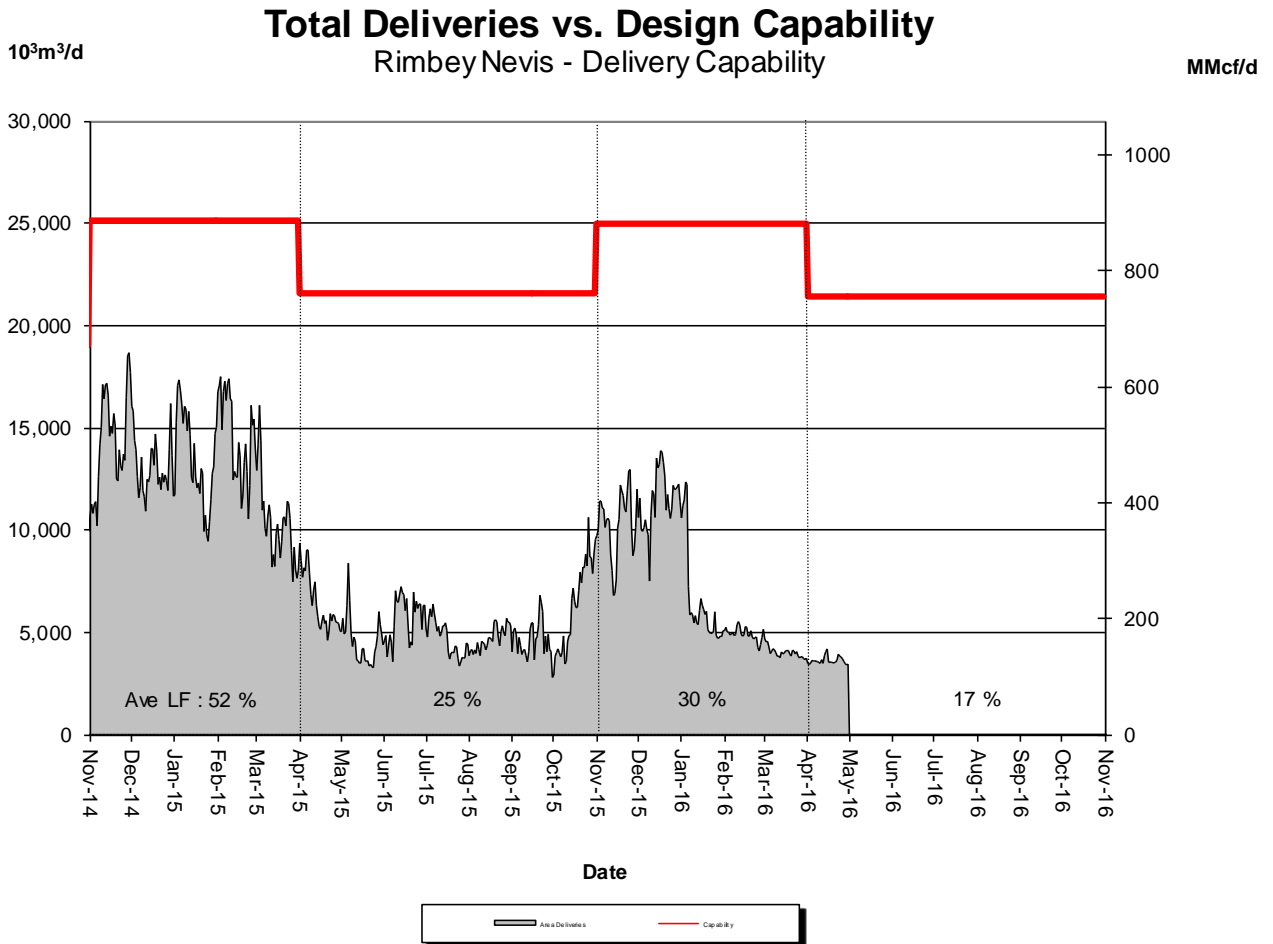
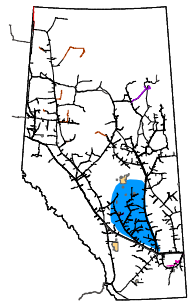


# DESIGN CAPABILITY UTILIZATION WESTERN ALBERTA MAINLINE (Alberta/B.C. and Alberta/Montana Borders)



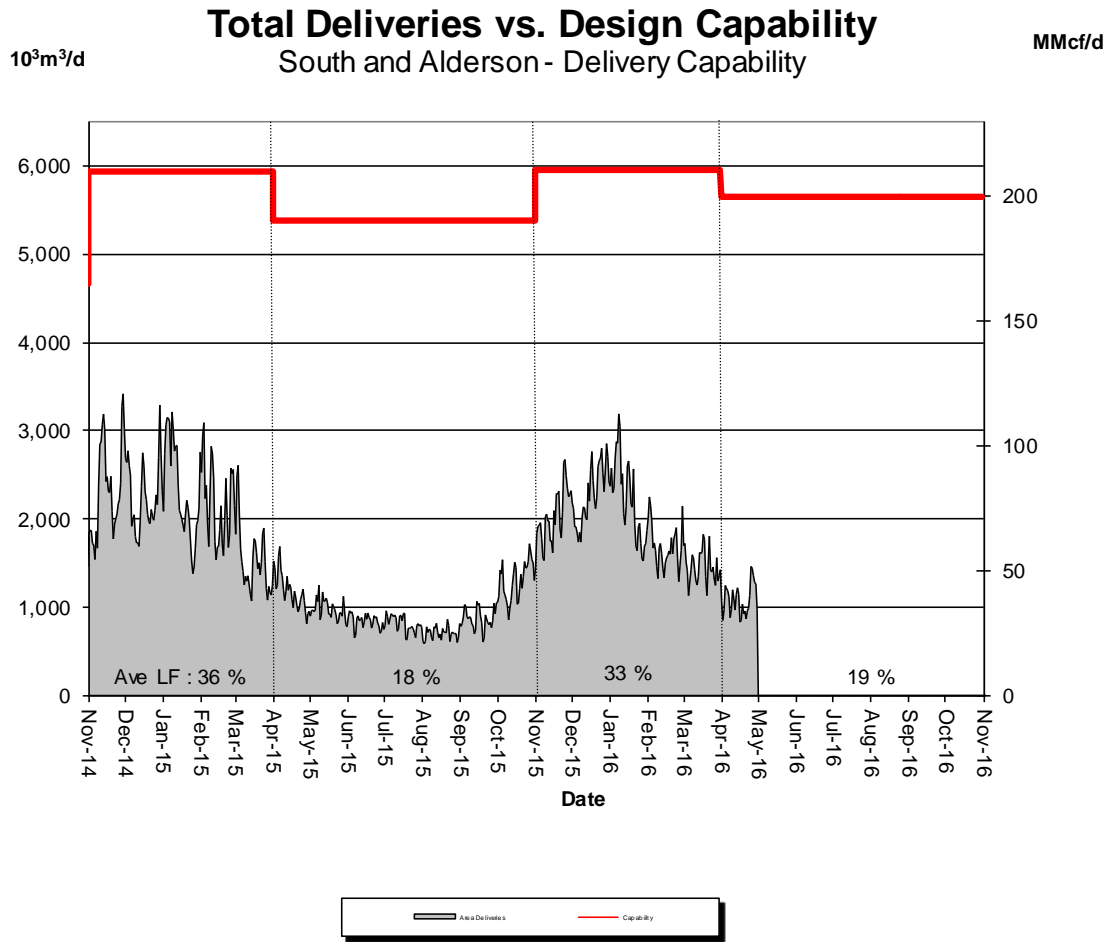
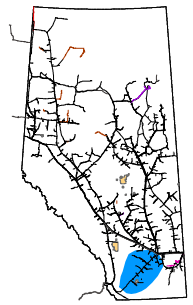
% Design Capability Utilization						
Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	87%	94%	96%	94%	96%	97%

# DESIGN CAPABILITY UTILIZATION RIMBEY-NEVIS – FLOW WITHIN



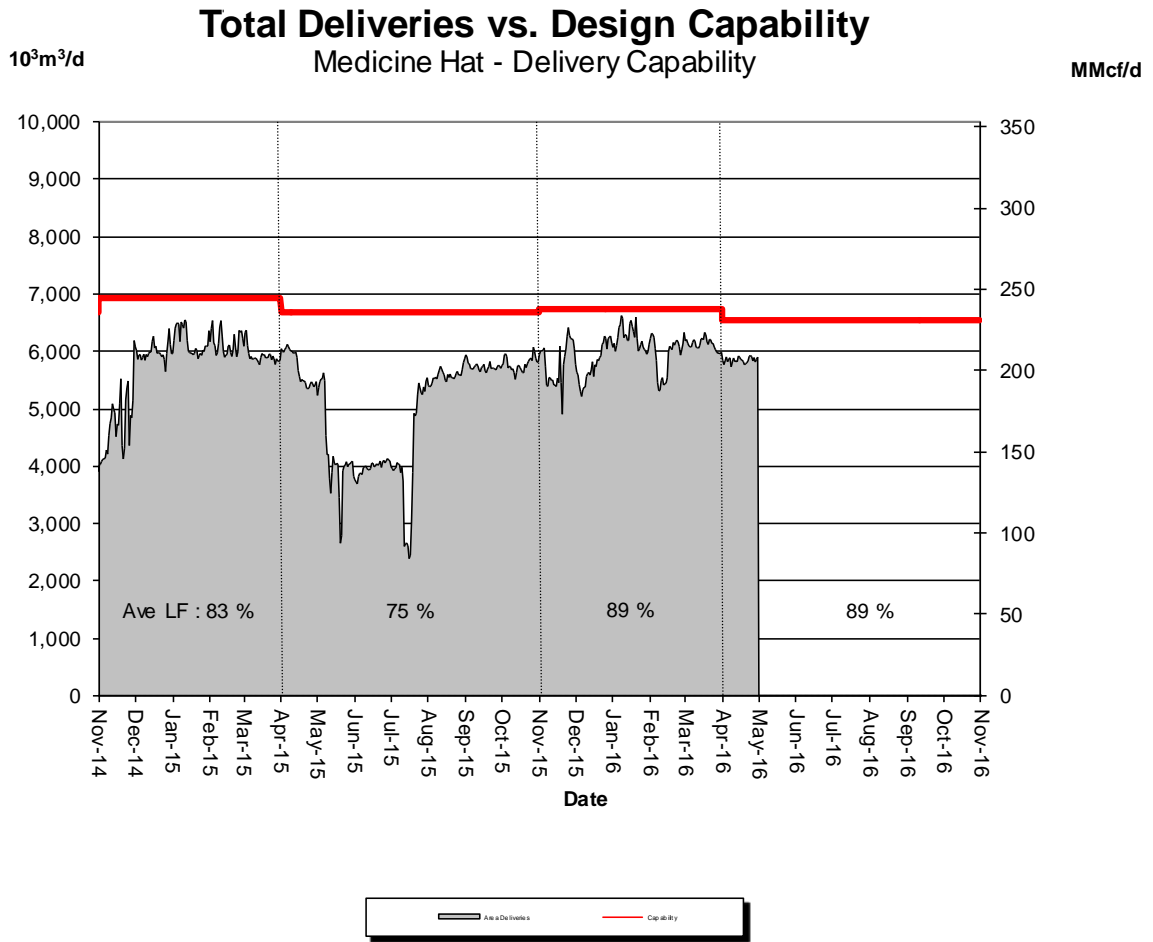
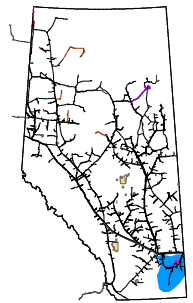
% Design Capability Utilization						
Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	41%	46%	26%	20%	16%	17%

# DESIGN CAPABILITY UTILIZATION SOUTH and ALDERSON – FLOW WITHIN



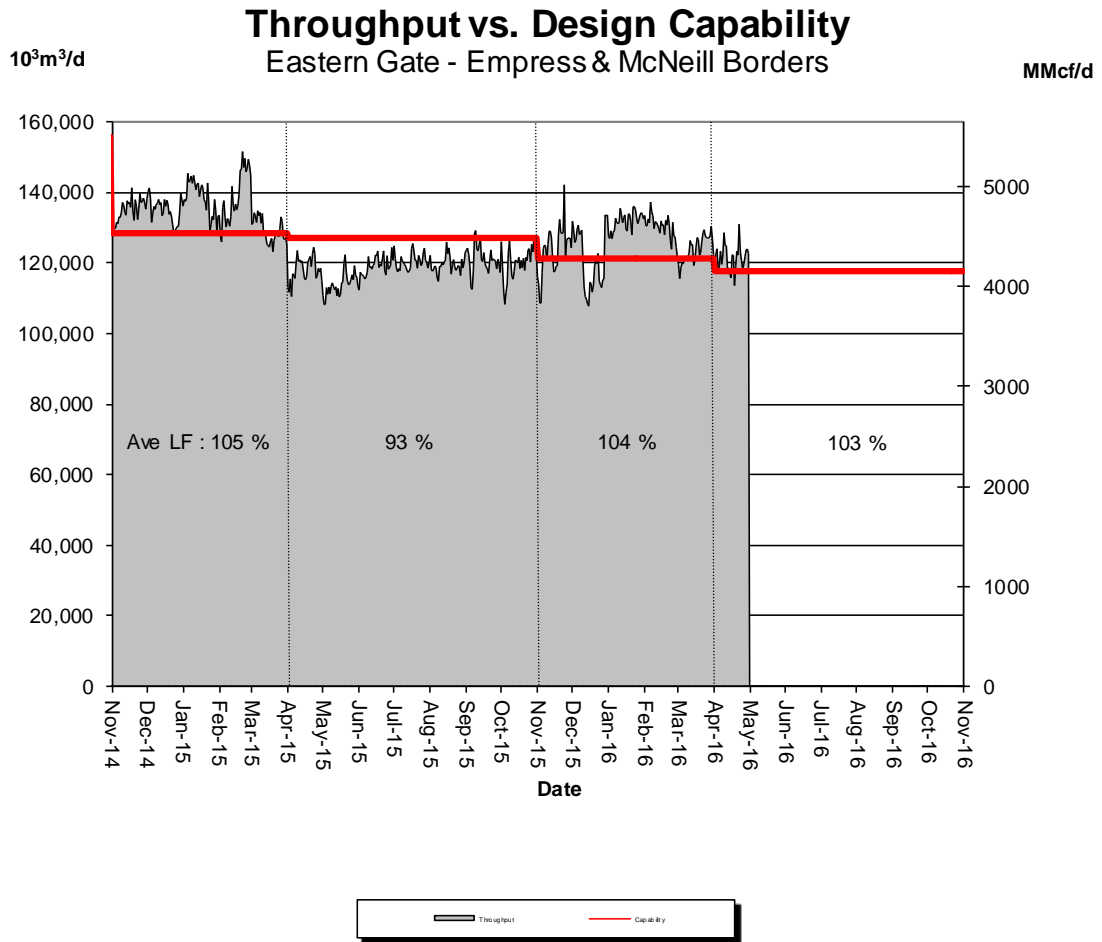
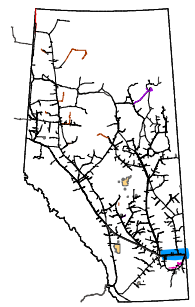
% Design Capability Utilization						
Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	34%	38%	37%	28%	25%	19%

# DESIGN CAPABILITY UTILIZATION MEDICINE HAT – FLOW WITHIN

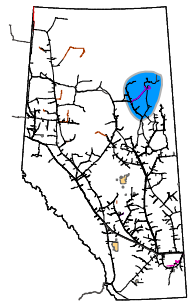


% Design Capability Utilization						
Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	86%	86%	93%	88%	91%	89%

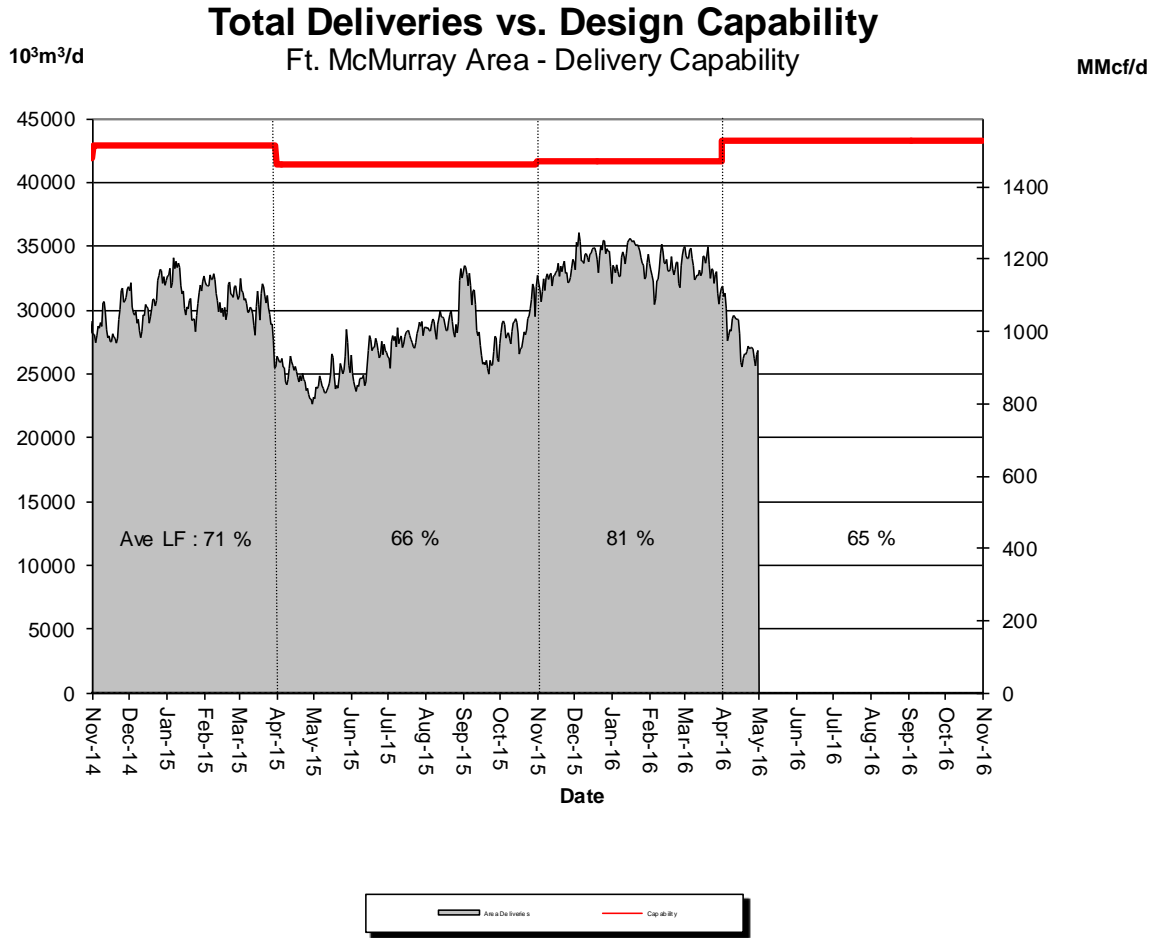
# DESIGN CAPABILITY UTILIZATION EASTERN ALBERTA MAINLINE (Princess to Empress / McNeill)



% Design Capability Utilization						
Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	102%	99%	109%	107%	102%	103%

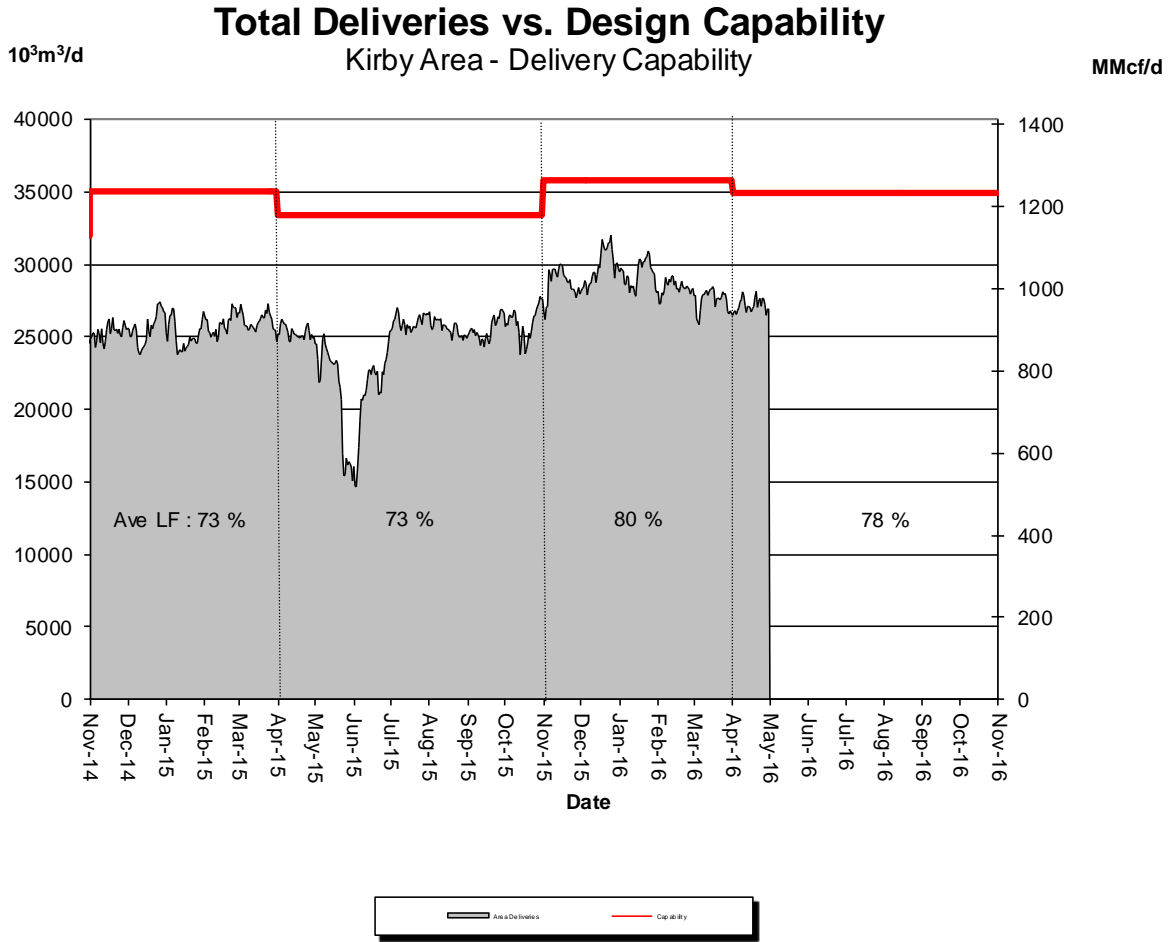
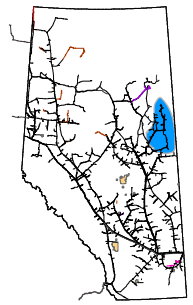


# DESIGN CAPABILITY UTILIZATION FT. McMURRAY AREA – FLOW WITHIN



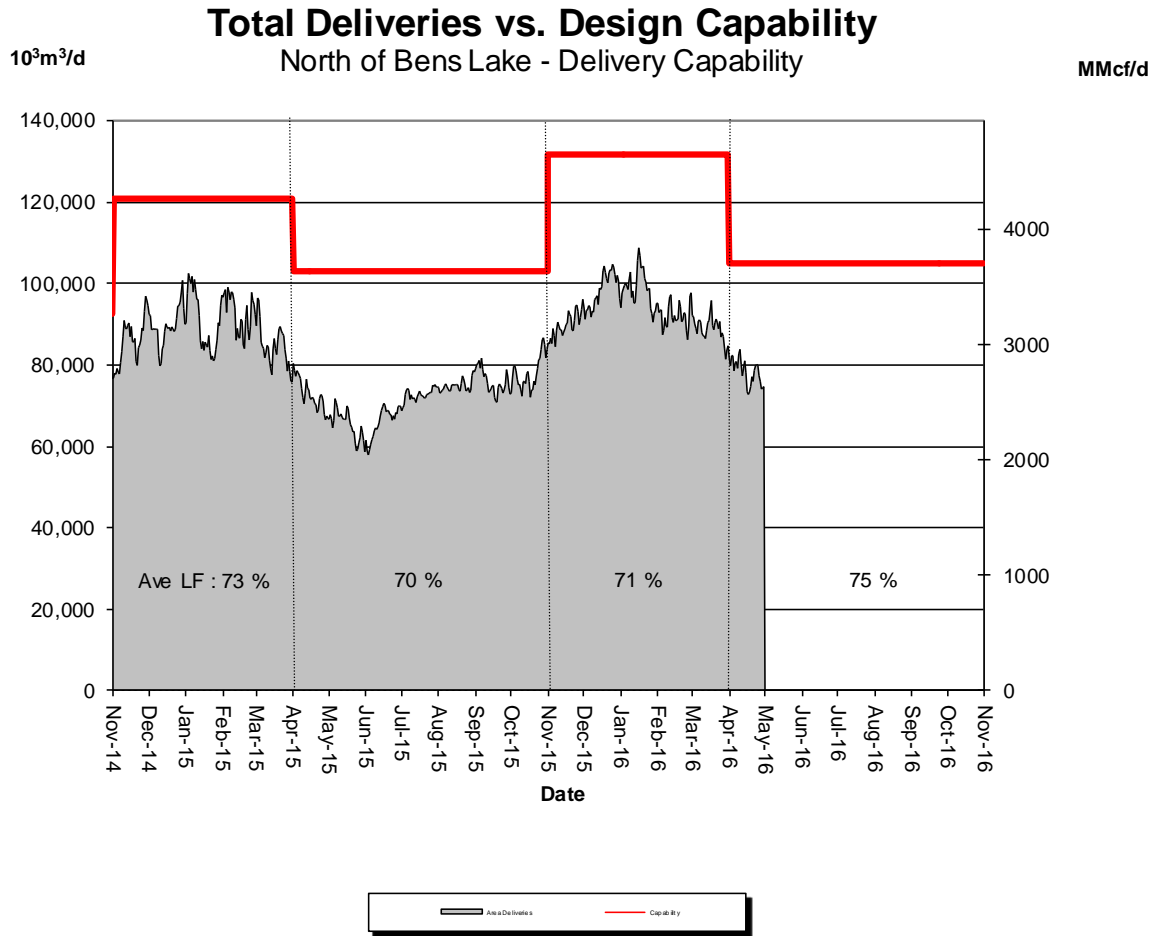
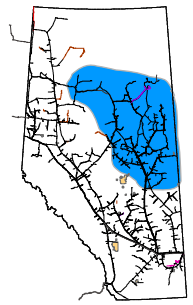
% Design Capability Utilization						
Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	78%	83%	82%	80%	80%	65%

# DESIGN CAPABILITY UTILIZATION KIRBY AREA – FLOW WITHIN



% Design Capability Utilization						
Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	80%	83%	82%	79%	77%	78%

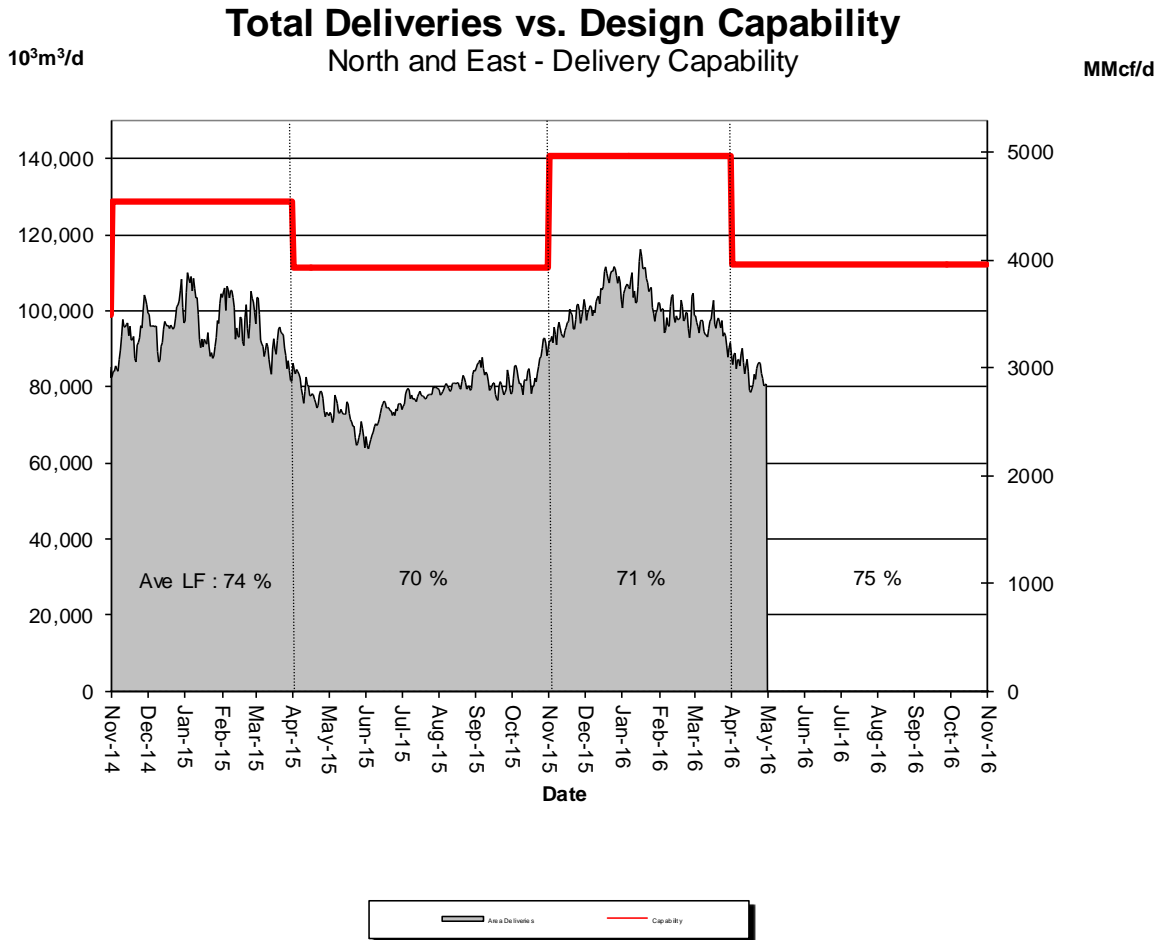
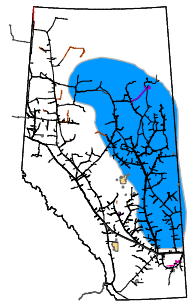
# DESIGN CAPABILITY UTILIZATION NORTH OF BENS LAKE – FLOW WITHIN



% Design Capability Utilization						
Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	68%	75%	75%	70%	67%	75%



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



% Design Capability Utilization						
Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	69%	75%	75%	70%	68%	75%

# 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.transcanada.com/customerexpress/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* (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.

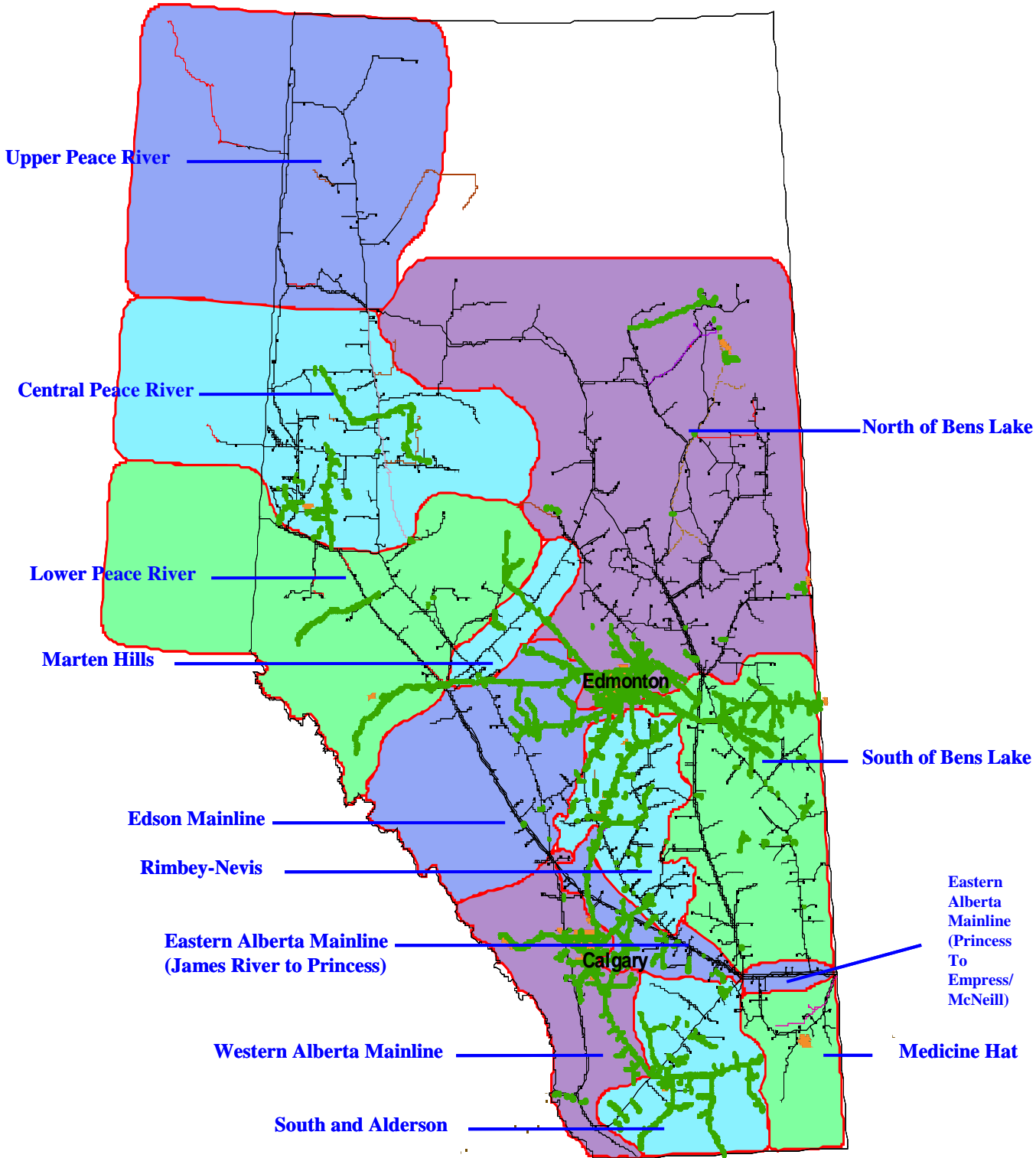
Design Flow Capability utilization is a function of several factors that include:

- 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.

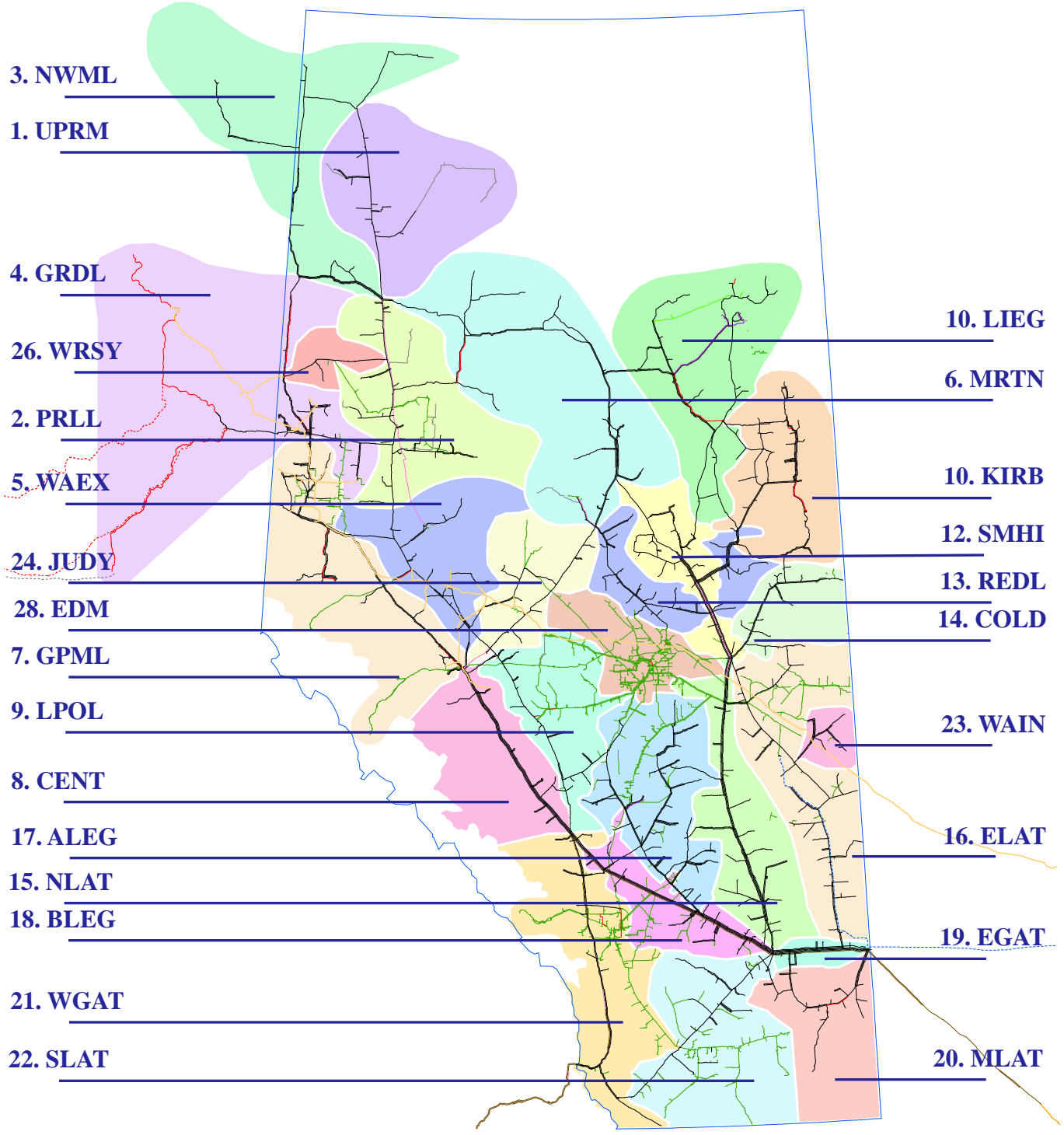
## Future Firm Transportation Service Availability

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

# NGTL Design Areas



(Last updated Nov 2011)



**Last Update May, 2015**

# 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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