

# SYSTEM UTILIZATION MONTHLY REPORT

for the month ending

October 2015

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

*Published date:*

**December 18<sup>th</sup>, 2015**

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## Highlights This Month:

- No new highlights for October 2015

NOVA Gas Transmission Ltd.

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

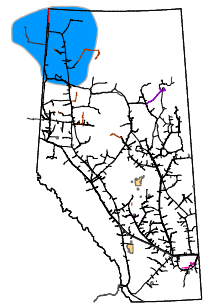
By NGTL Pipeline Segments  
October 2015

Segment	Contract	Delivery		Receipt	
		Utilization	Oct CD (TJ/d)	Utilization	Oct CD (MMcf/d)
UPRM	FT	1%	24.7	80%	72
	FT + IT <sup>2</sup>	4%		80%	
PRL	FT	33%	41.9	89%	97
	FT + IT	33%		95%	
NWML	FT	42%	8.0	74%	472
	FT + IT	44%		74%	
GRDL	FT	36%	9.1	88%	2,073
	FT + IT	36%		89%	
WRSY	FT	0%	0.0	83%	14
	FT + IT	0%		100%	
WAEX	FT	11%	13.7	87%	454
	FT + IT	37%		88%	
JUDY	FT	42%	29.6	88%	60
	FT + IT	45%		94%	
GPML	FT	27%	158.6	87%	3,614
	FT + IT	38%		89%	
CENT	FT	0%	0.0	87%	1,351
	FT + IT	0%		91%	
LPOL	FT	35%	77.2	88%	849
	FT + IT	42%		97%	
WGAT	FT	66%	3,555.5	95%	296
	FT + IT	68%		109%	
ALEG	FT	43%	350.0	93%	842
	FT + IT	48%		112%	
SLAT	FT	24%	181.6	90%	205
	FT + IT	24%		111%	
MLAT	FT	74%	264.2	73%	197
	FT + IT	83%		81%	
BLEG	FT	56%	134.3	91%	570
	FT + IT	58%		102%	
EGAT	FT	96%	3,591.2	76%	31
	FT + IT	128%		92%	
MRTN	FT	21%	35.7	68%	62
	FT + IT	26%		105%	
LIEG	FT	66%	1,749.2	49%	32
	FT + IT	66%		125%	
KIRB	FT	73%	1,370.0	62%	42
	FT + IT	74%		109%	
SMHI	FT	55%	12.0	83%	28
	FT + IT	55%		128%	
REDL	FT	25%	15.0	61%	40
	FT + IT	31%		99%	
COLD	FT	42%	119.5	68%	11
	FT + IT	75%		172%	
EDM	FT	37%	1,779.7	92%	39
	FT + IT	39%		121%	
NLAT	FT	21%	14.8	95%	131
	FT + IT	24%		116%	
WAIN	FT	15%	0.4	88%	8
	FT + IT	15%		122%	
ELAT	FT	74%	272.2	94%	118
	FT + IT	80%		130%	
TOTAL SYSTEM	FT	69%	13,808.2	87%	11,706
	FT + IT	79%		94%	

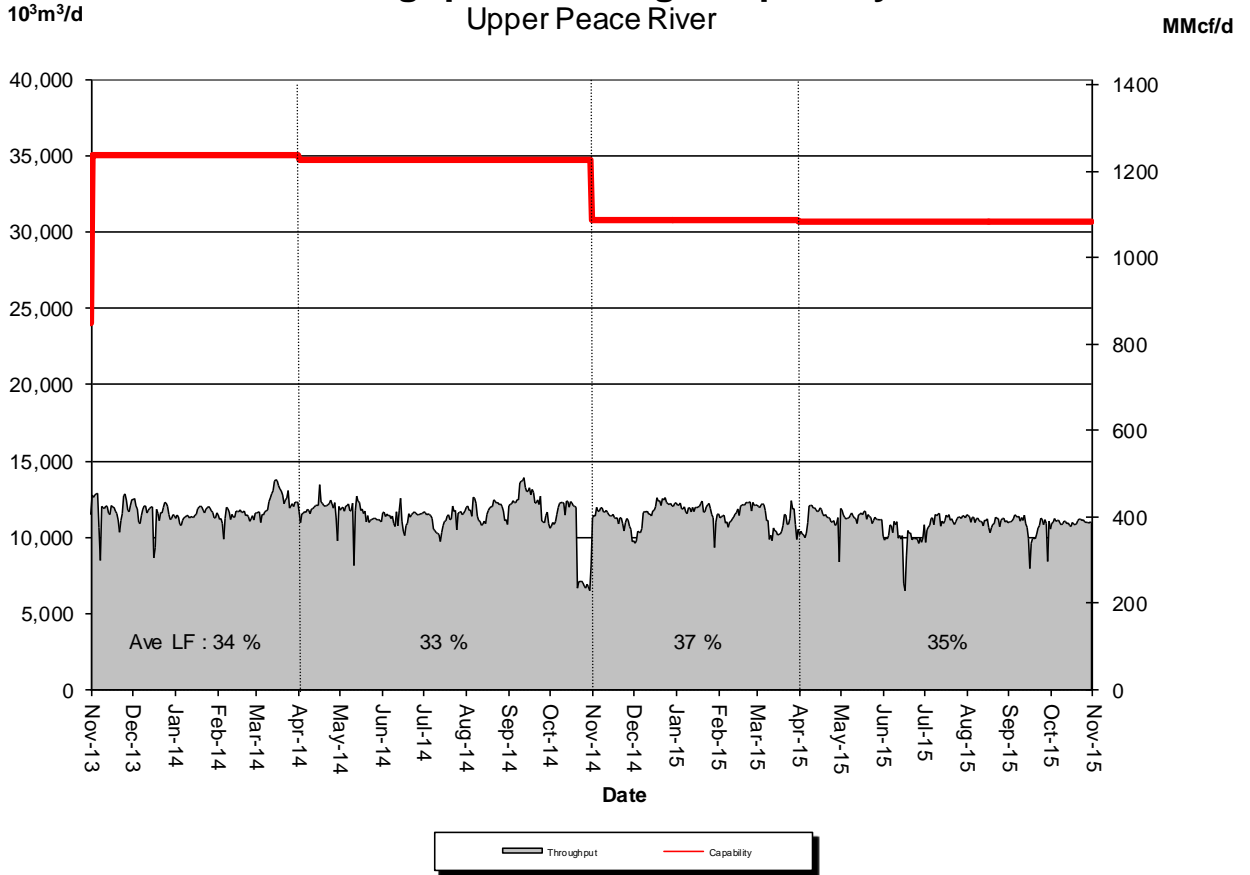
\*NOTE:

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

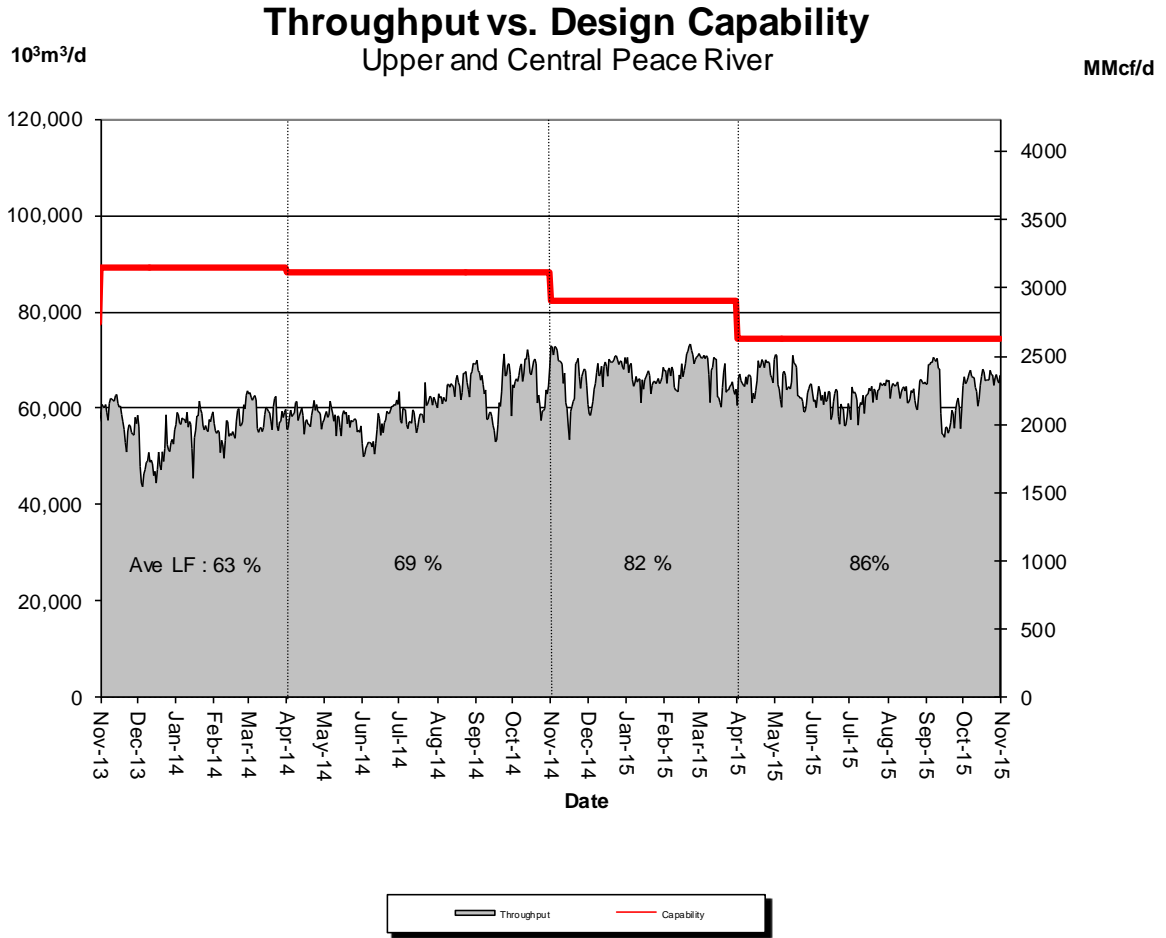
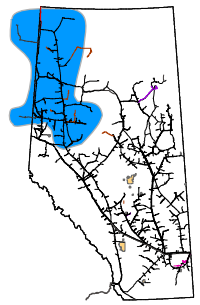


## Throughput vs. Design Capability Upper Peace River



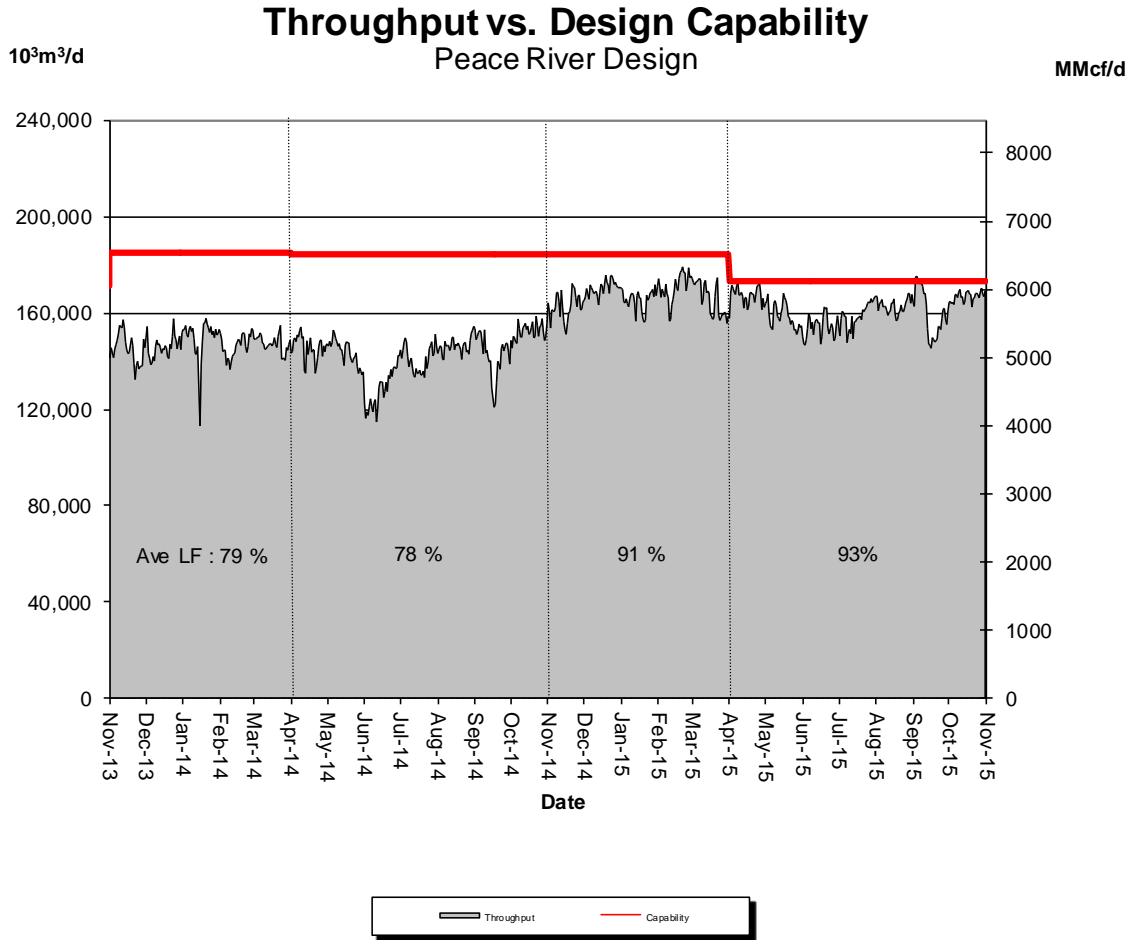
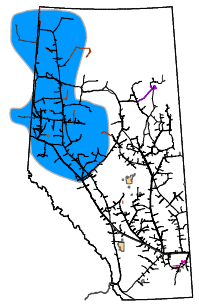
% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	37%	32%	36%	36%	35%	36%

# DESIGN CAPABILITY UTILIZATION UPPER and CENTRAL PEACE RIVER



% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	87%	82%	84%	86%	83%	88%

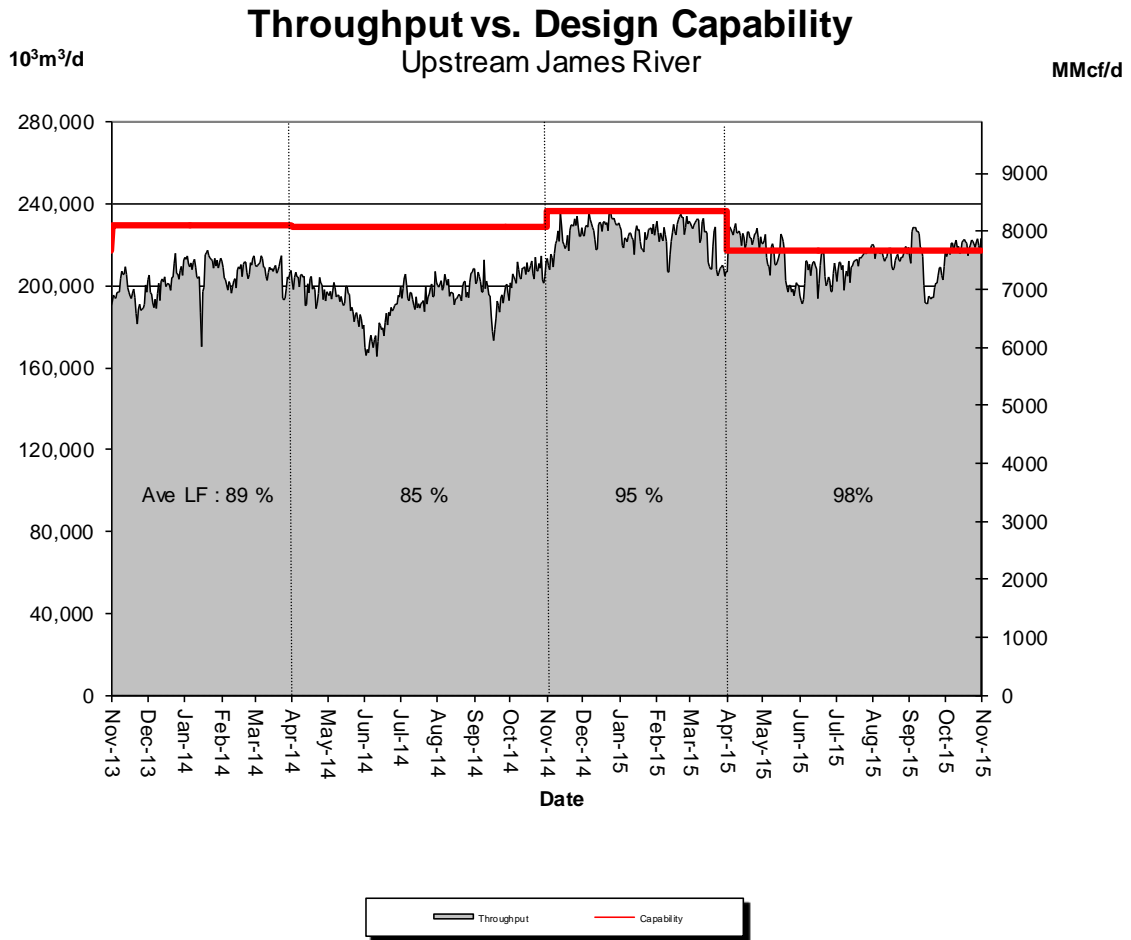
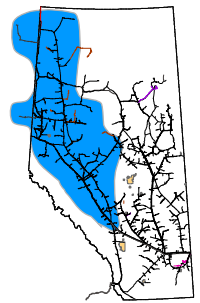
# DESIGN CAPABILITY UTILIZATION PEACE RIVER DESIGN (Upper, Central and Lower Peace River)



% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	92%	89%	91%	94%	92%	96%

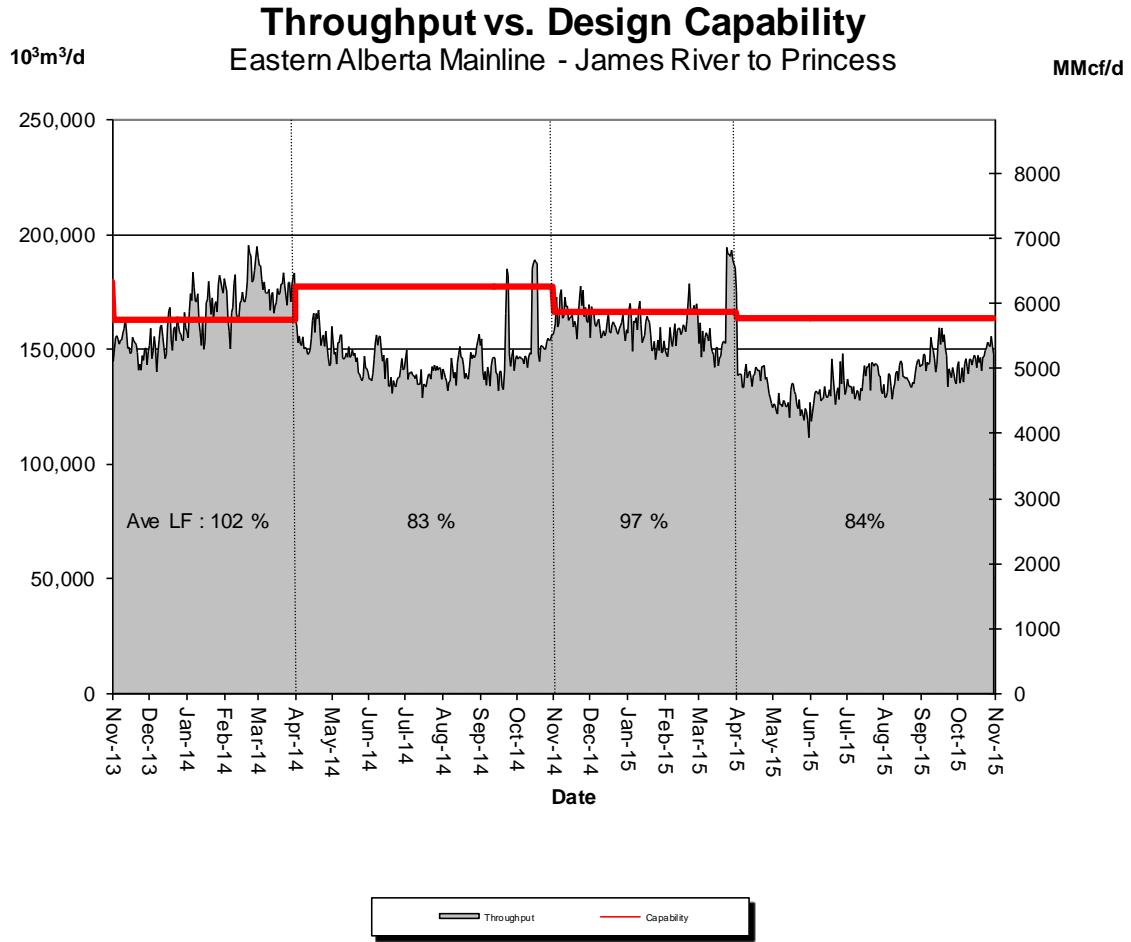
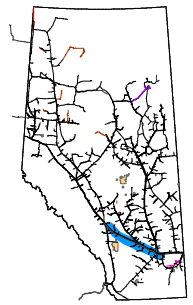
# DESIGN CAPABILITY UTILIZATION UPSTREAM JAMES RIVER

(Edson Mainline, Peace River Design and Marten Hills)



% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	97%	94%	97%	99%	96%	101%

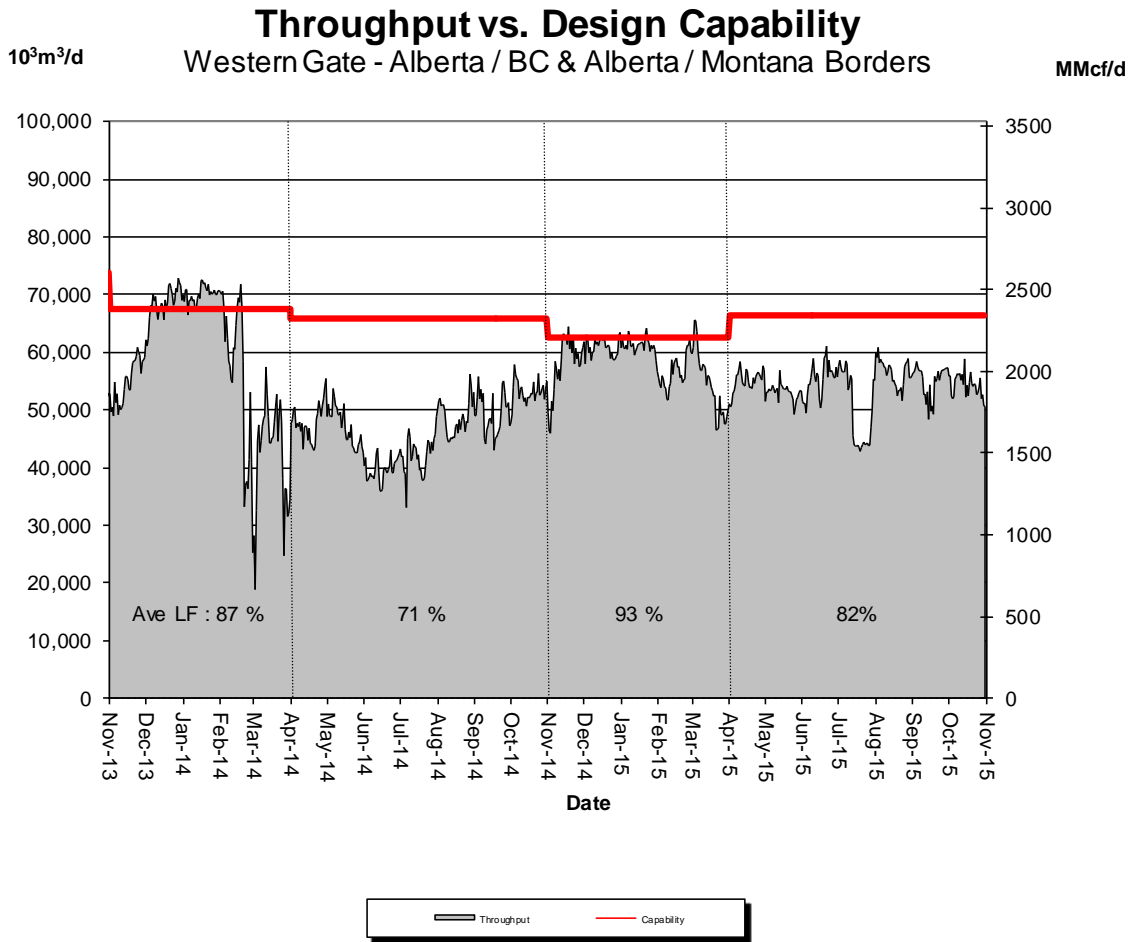
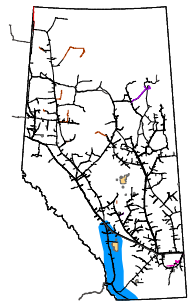
# DESIGN CAPABILITY UTILIZATION EASTERN ALBERTA MAINLINE (James River to Princess)



% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	77%	80%	83%	84%	89%	89%

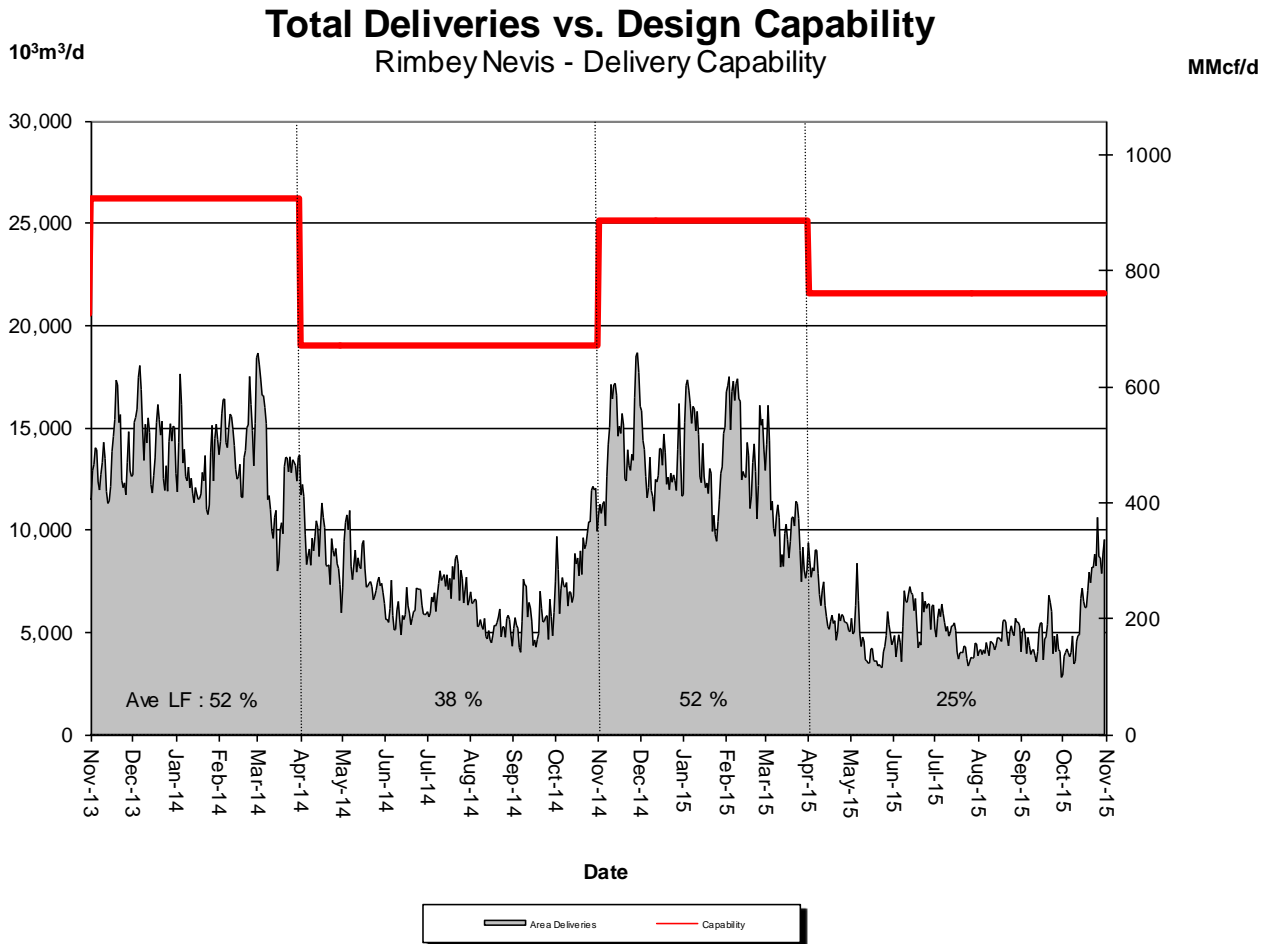
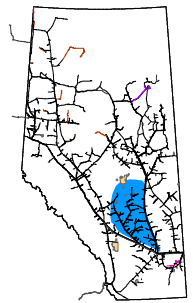


# DESIGN CAPABILITY UTILIZATION WESTERN ALBERTA MAINLINE (Alberta/B.C. and Alberta/Montana Borders)



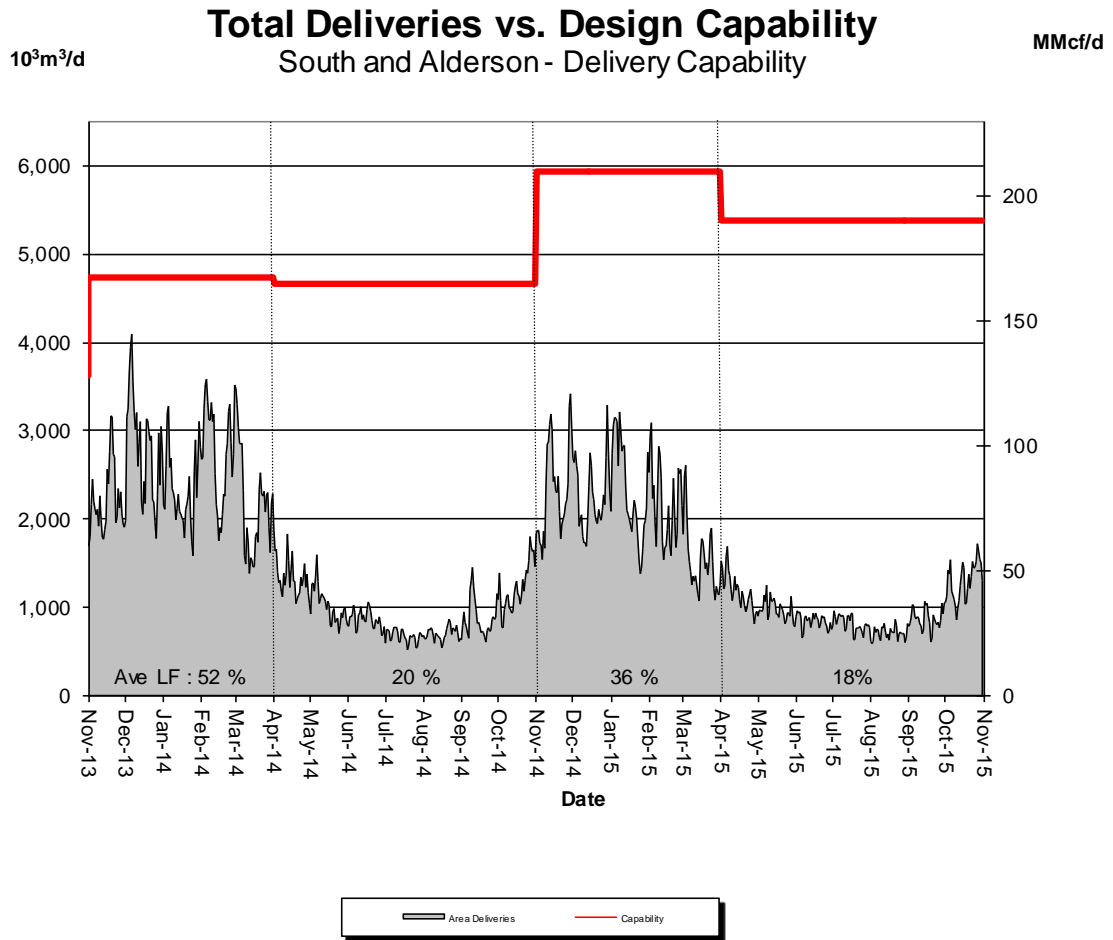
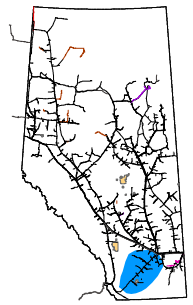
% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	80%	83%	75%	85%	83%	82%

# DESIGN CAPABILITY UTILIZATION RIMBEY-NEVIS – FLOW WITHIN



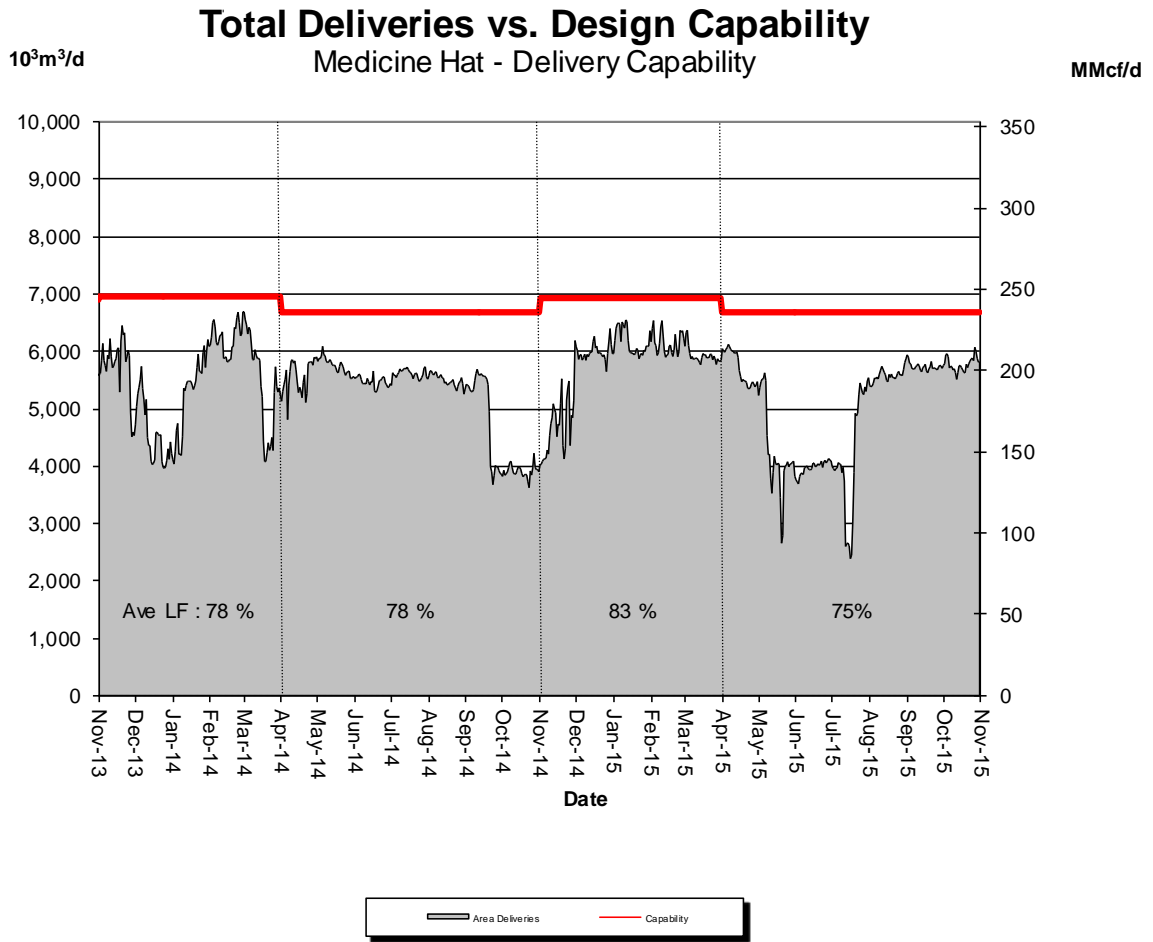
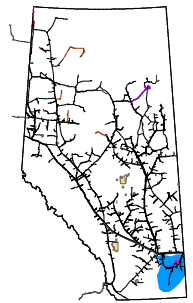
% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	21%	26%	22%	22%	21%	29%

# DESIGN CAPABILITY UTILIZATION SOUTH and ALDERSON – FLOW WITHIN



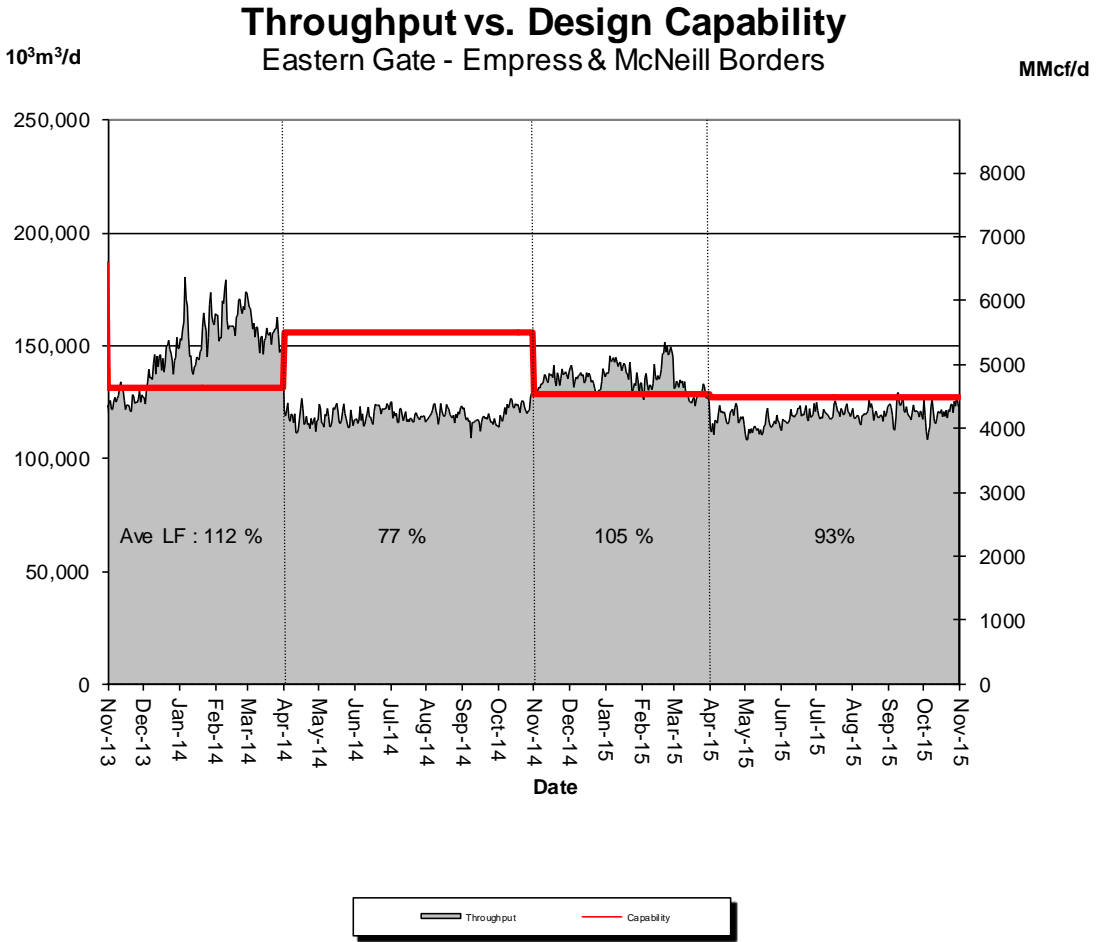
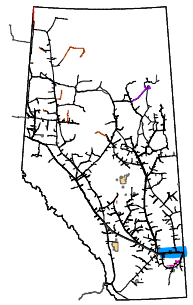
% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	18%	16%	15%	13%	16%	24%

# DESIGN CAPABILITY UTILIZATION MEDICINE HAT – FLOW WITHIN

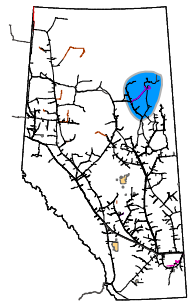


% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	64%	59%	62%	83%	86%	86%

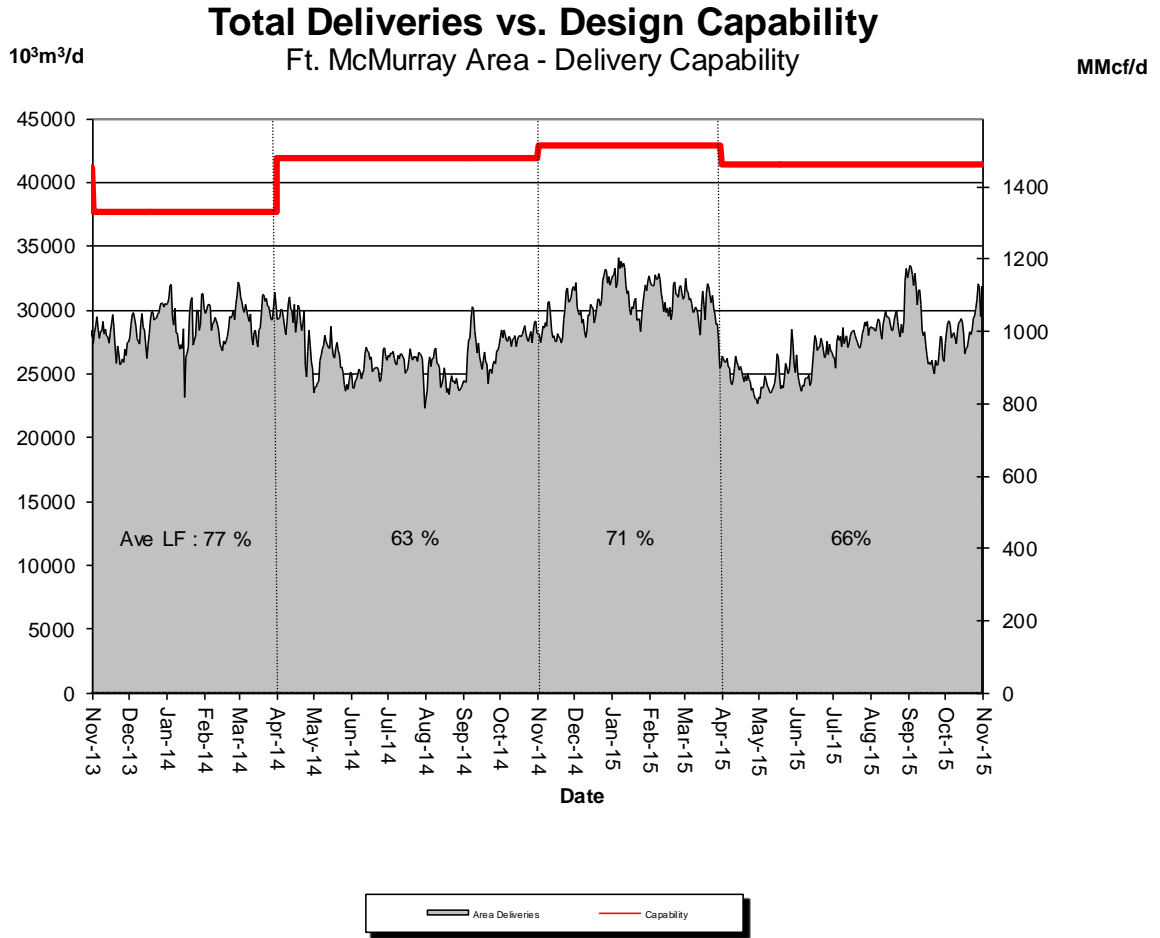
# DESIGN CAPABILITY UTILIZATION EASTERN ALBERTA MAINLINE (Princess to Empress / McNeill)



% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	90%	94%	95%	94%	95%	94%

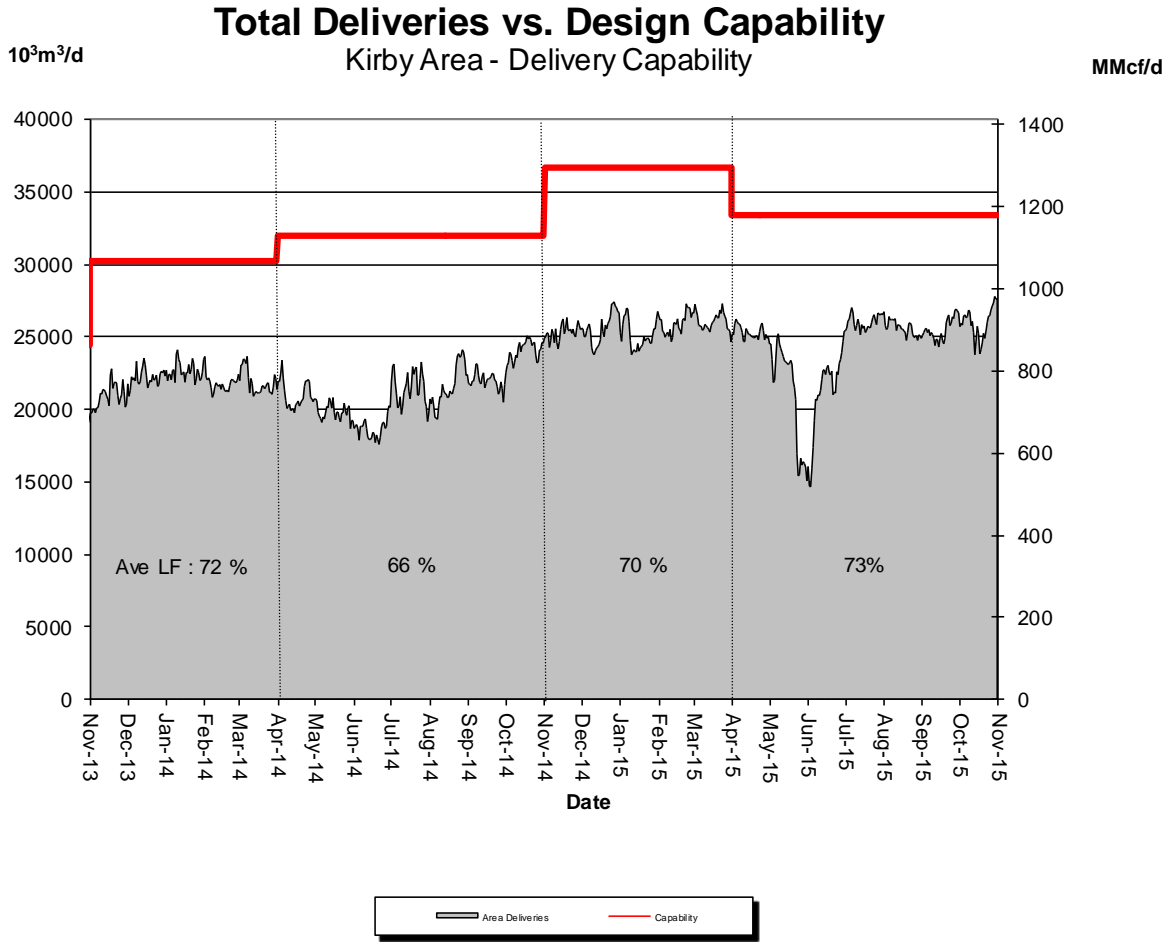
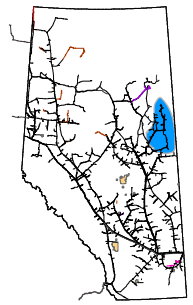


# DESIGN CAPABILITY UTILIZATION FT. McMURRAY AREA – FLOW WITHIN



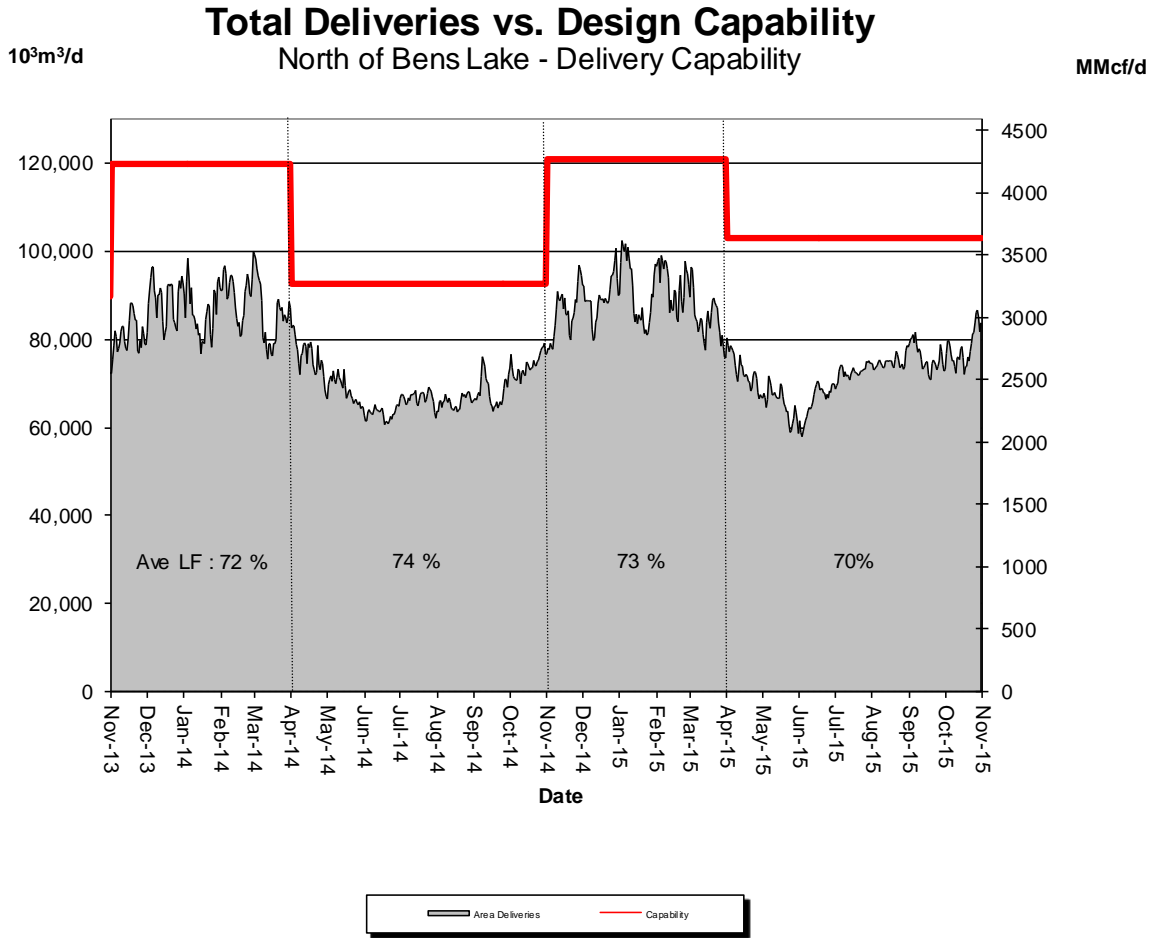
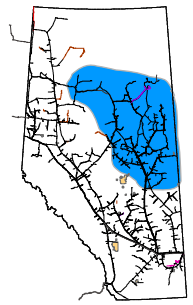
% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	60%	63%	67%	71%	69%	70%

# DESIGN CAPABILITY UTILIZATION KIRBY AREA – FLOW WITHIN



% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	64%	63%	78%	77%	76%	78%

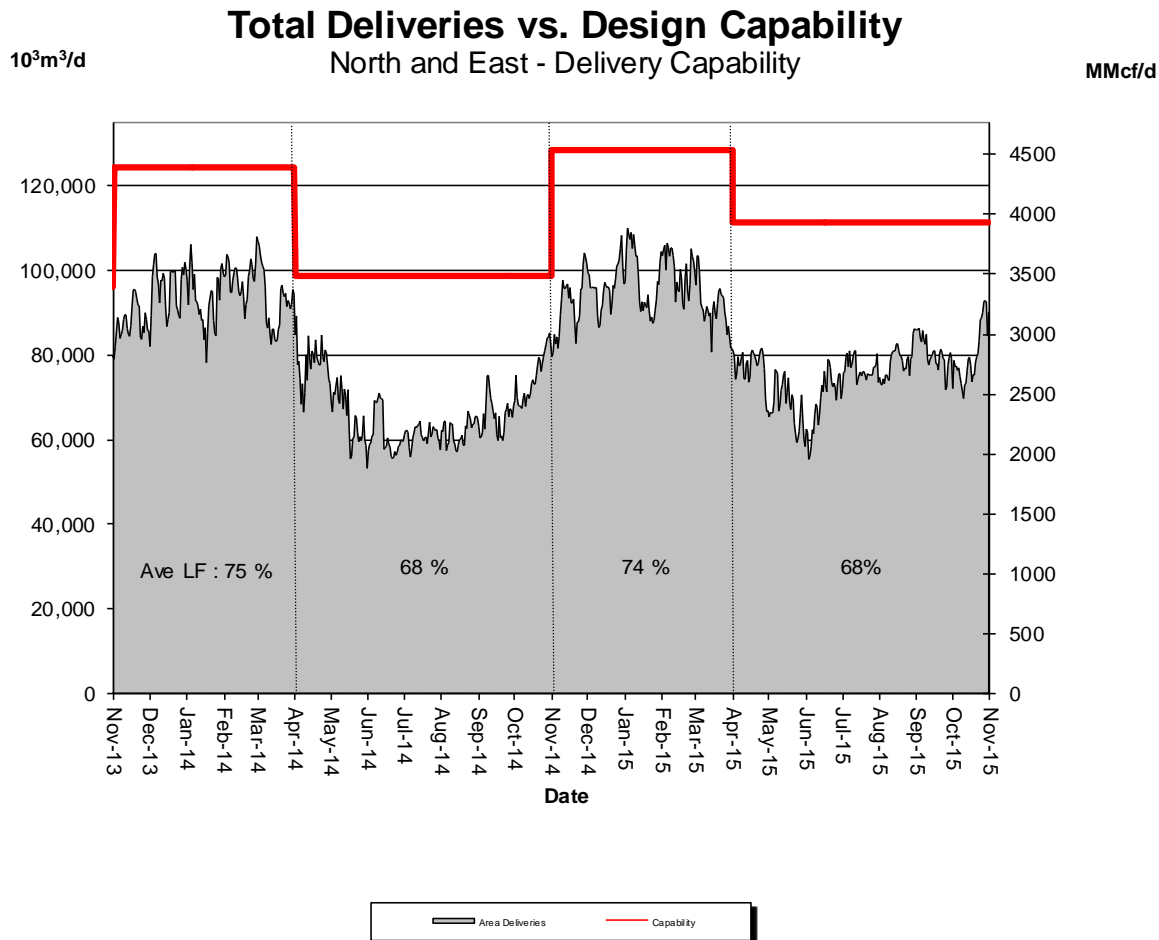
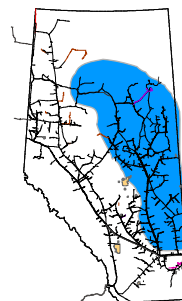
# DESIGN CAPABILITY UTILIZATION NORTH OF BENS LAKE – FLOW WITHIN



% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	63%	64%	70%	73%	74%	76%



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



% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	61%	62%	69%	71%	72%	72%

# FUTURE FIRM TRANSPORTATION SERVICE AVAILABILITY

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*Please consult with your Customer Sales Representative 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.

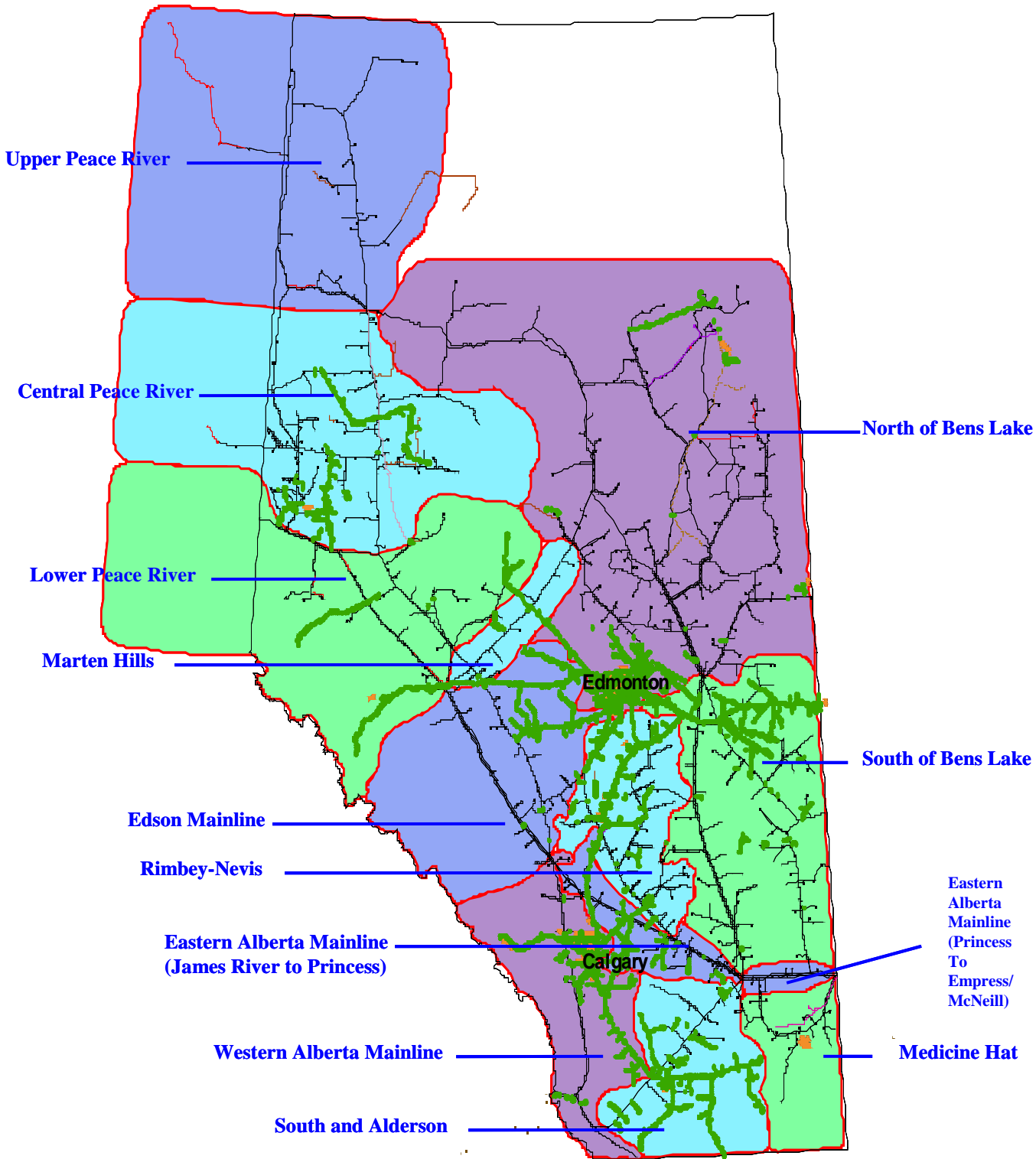
Design Flow Capability utilization is a function of several factors that include:

- 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.

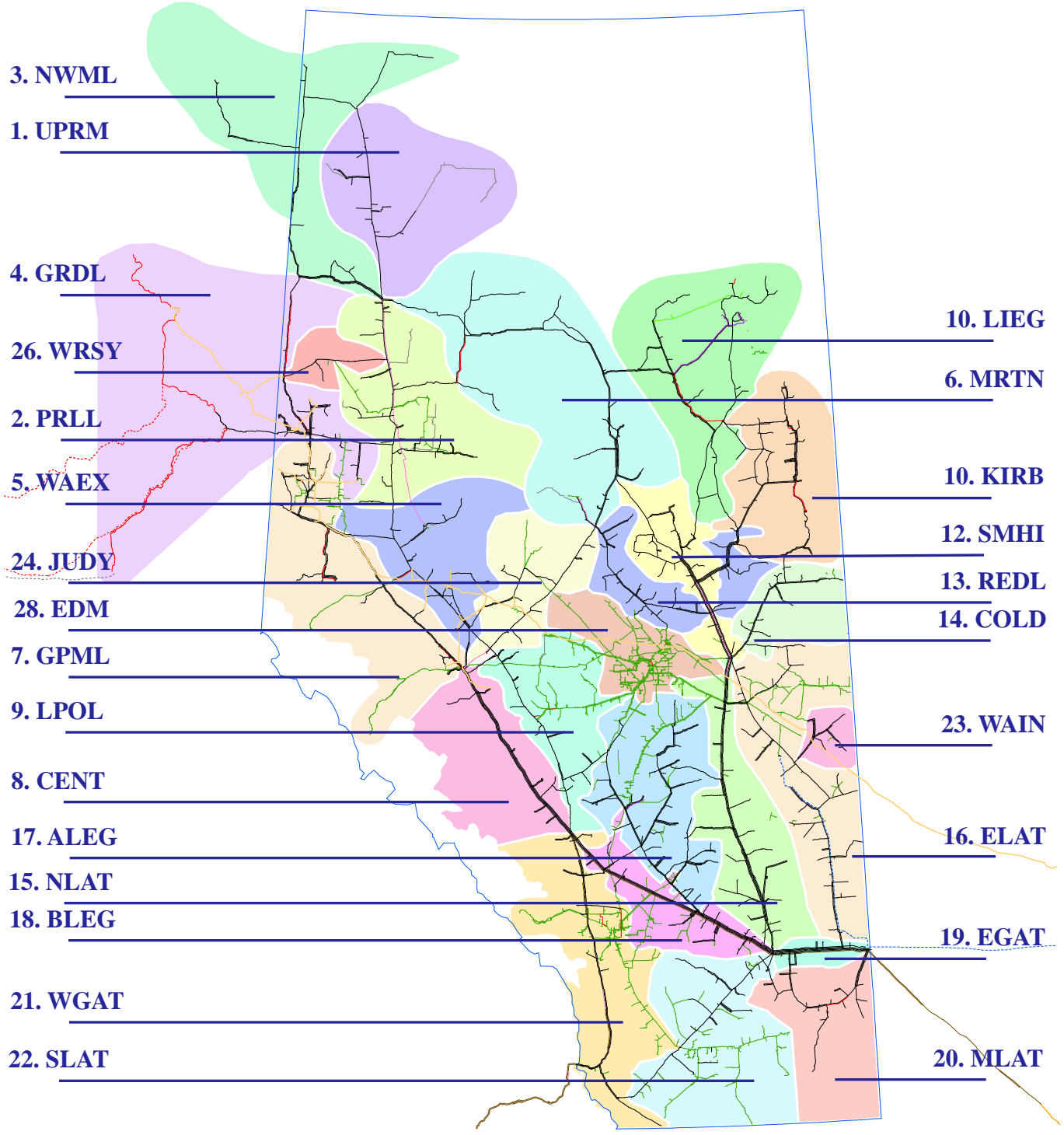
## Future Firm Transportation Service Availability

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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