

SYSTEM UTILIZATION MONTHLY REPORT

for the month ending

October 2016

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

Published date:

December 15th, 2016

Highlights This Month:

- No highlights this month

NOVA Gas Transmission Ltd.

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If you have any questions on the content of this report, contact Winston Cao at (403) 920-5315 or via fax at (403) 920-2357.

FIRM TRANSPORTATION SERVICE¹ CONTRACT UTILIZATION³

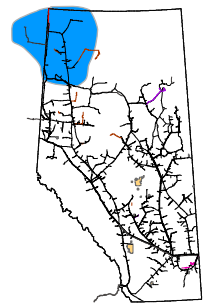
By NGTL Pipeline Segments
October 2016

Segment	Contract	Delivery		Receipt	
		Utilization	Oct CD (TJ/d)	Utilization	Oct CD (MMcf/d)
UPRM	FT	0%	3.3	89%	67
	FT + IT ²	34%		90%	
PRLL	FT	36%	41.9	82%	94
	FT + IT	38%		86%	
NWML	FT	57%	7.4	87%	382
	FT + IT	57%		88%	
GRDL	FT	28%	8.9	87%	2,166
	FT + IT	38%		89%	
WRSY	FT	0%	0.0	75%	23
	FT + IT	0%		85%	
WAEX	FT	17%	13.9	77%	766
	FT + IT	39%		78%	
JUDY	FT	48%	21.3	78%	62
	FT + IT	76%		87%	
GPML	FT	37%	162.6	85%	4,013
	FT + IT	58%		87%	
CENT	FT	0%	0.0	85%	1,736
	FT + IT	0%		87%	
LPOL	FT	41%	72.1	81%	829
	FT + IT	70%		86%	
WGAT	FT	73%	3,809.0	92%	312
	FT + IT	74%		97%	
ALEG	FT	46%	405.7	89%	817
	FT + IT	49%		100%	
SLAT	FT	29%	184.7	83%	218
	FT + IT	29%		101%	
MLAT	FT	53%	279.3	76%	196
	FT + IT	55%		84%	
BLEG	FT	61%	132.7	88%	564
	FT + IT	63%		95%	
EGAT	FT	97%	4,159.9	70%	35
	FT + IT	116%		75%	
MRTN	FT	18%	28.7	73%	55
	FT + IT	23%		94%	
LIEG	FT	72%	1,838.2	57%	34
	FT + IT	72%		118%	
KIRB	FT	74%	1,592.5	81%	41
	FT + IT	75%		103%	
SMHI	FT	43%	12.1	88%	28
	FT + IT	43%		117%	
REDL	FT	14%	19.0	54%	31
	FT + IT	21%		108%	
COLD	FT	47%	171.8	59%	20
	FT + IT	57%		90%	
EDM	FT	41%	1,876.6	81%	38
	FT + IT	42%		103%	
NLAT	FT	31%	14.9	96%	122
	FT + IT	32%		125%	
WAIN	FT	21%	0.4	76%	10
	FT + IT	21%		94%	
ELAT	FT	80%	270.4	90%	119
	FT + IT	85%		105%	
TOTAL SYSTEM	FT	73%	15,127.2	85%	12,775
	FT + IT	79%		89%	

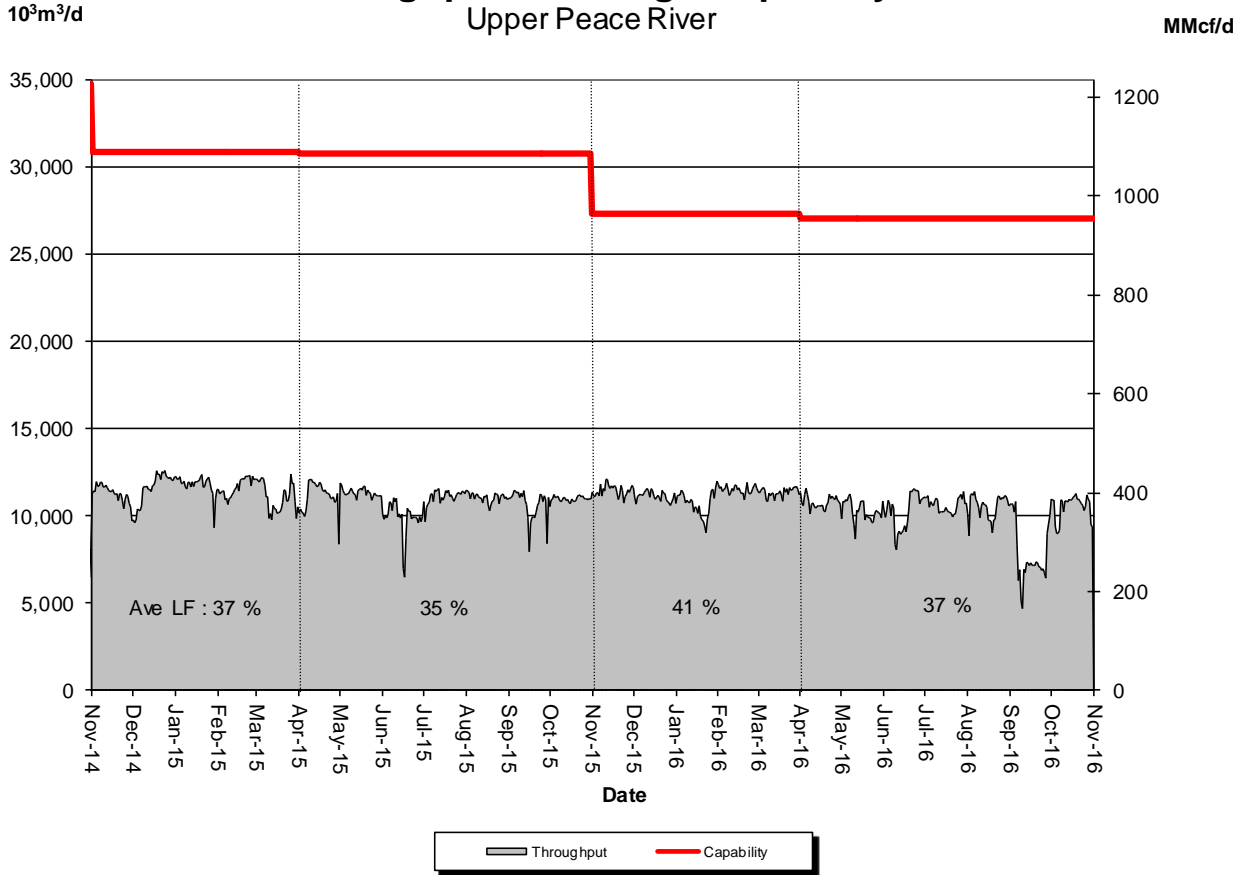
*NOTE:

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

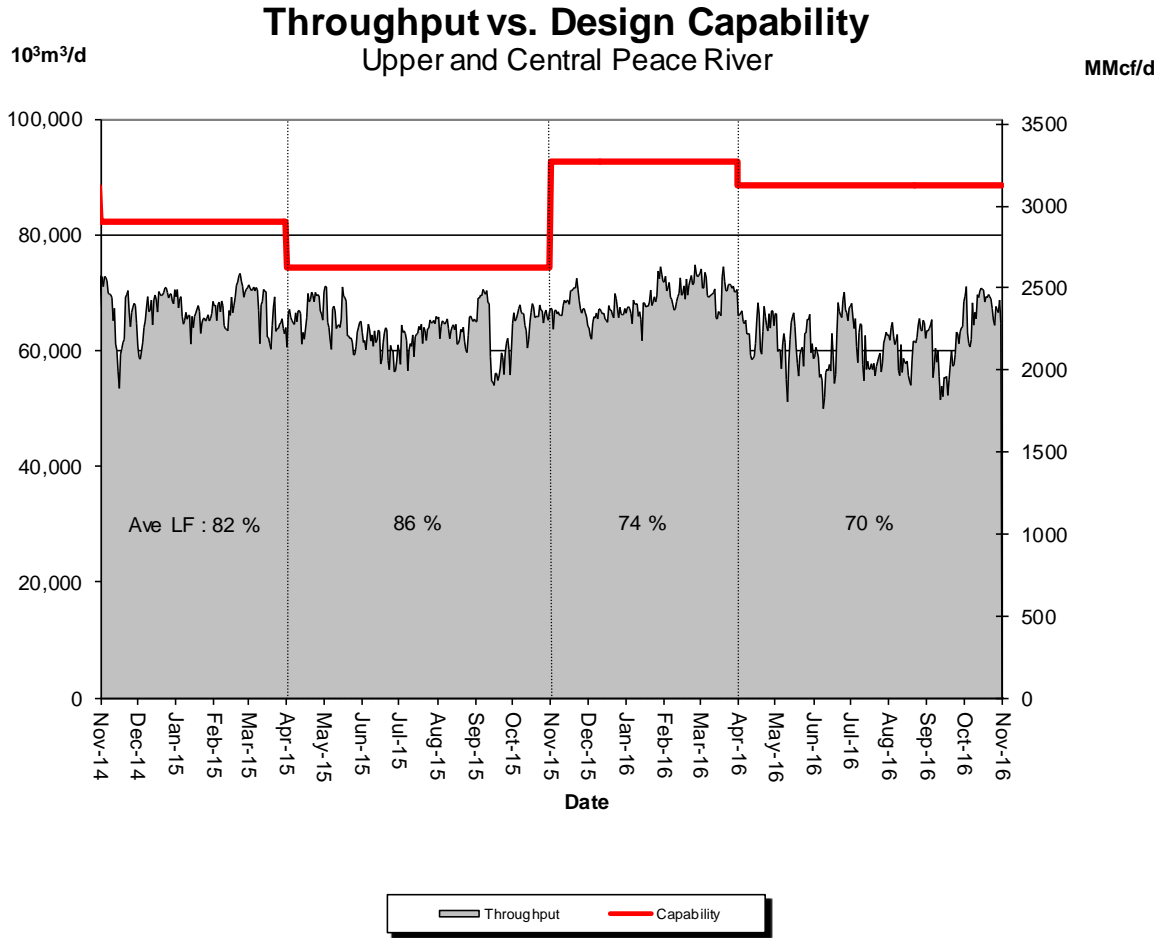
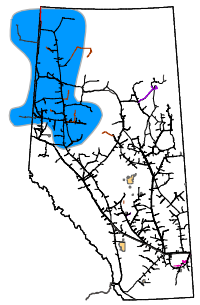


Throughput vs. Design Capability Upper Peace River



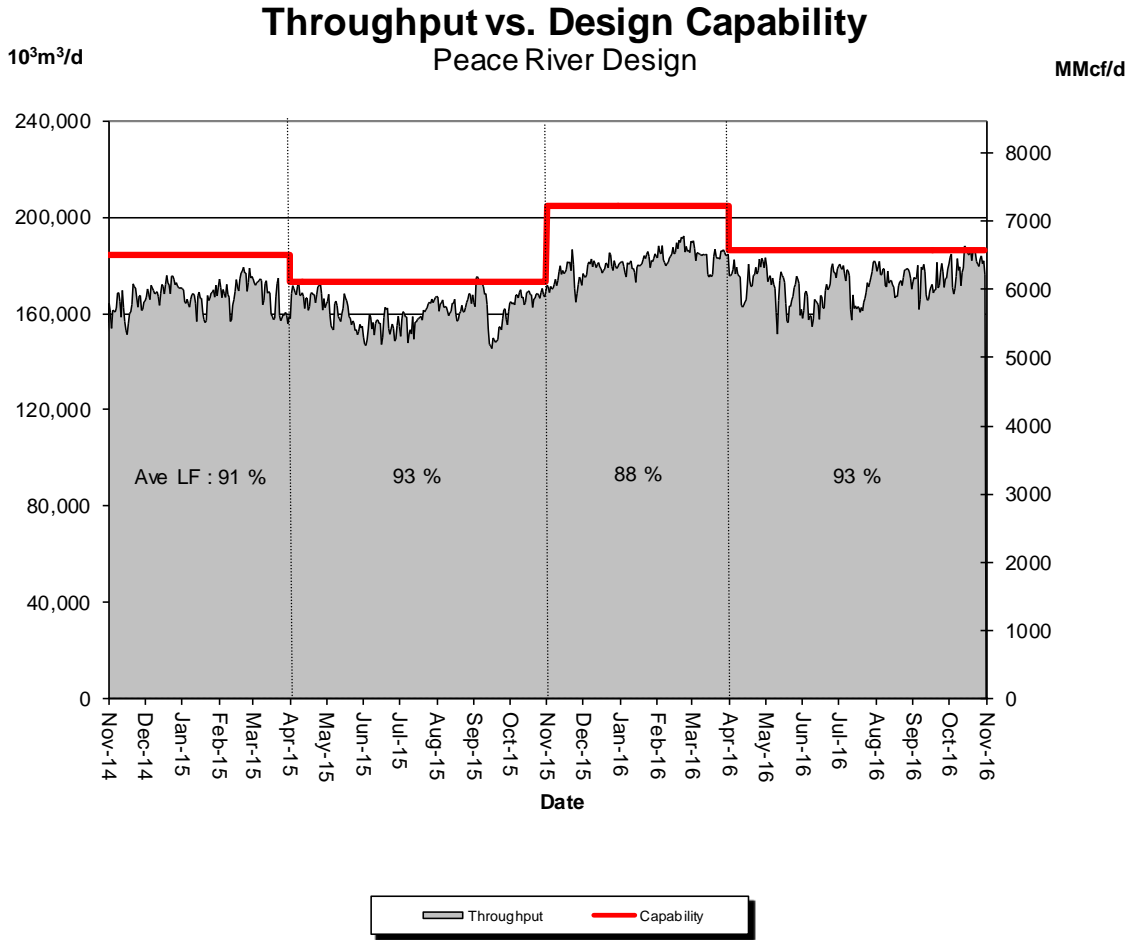
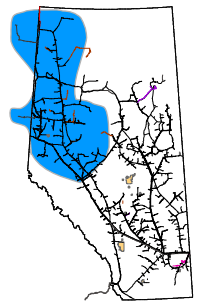
% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	38%	38%	39%	39%	29%	39%

DESIGN CAPABILITY UTILIZATION UPPER and CENTRAL PEACE RIVER



% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	69%	68%	68%	69%	67%	76%

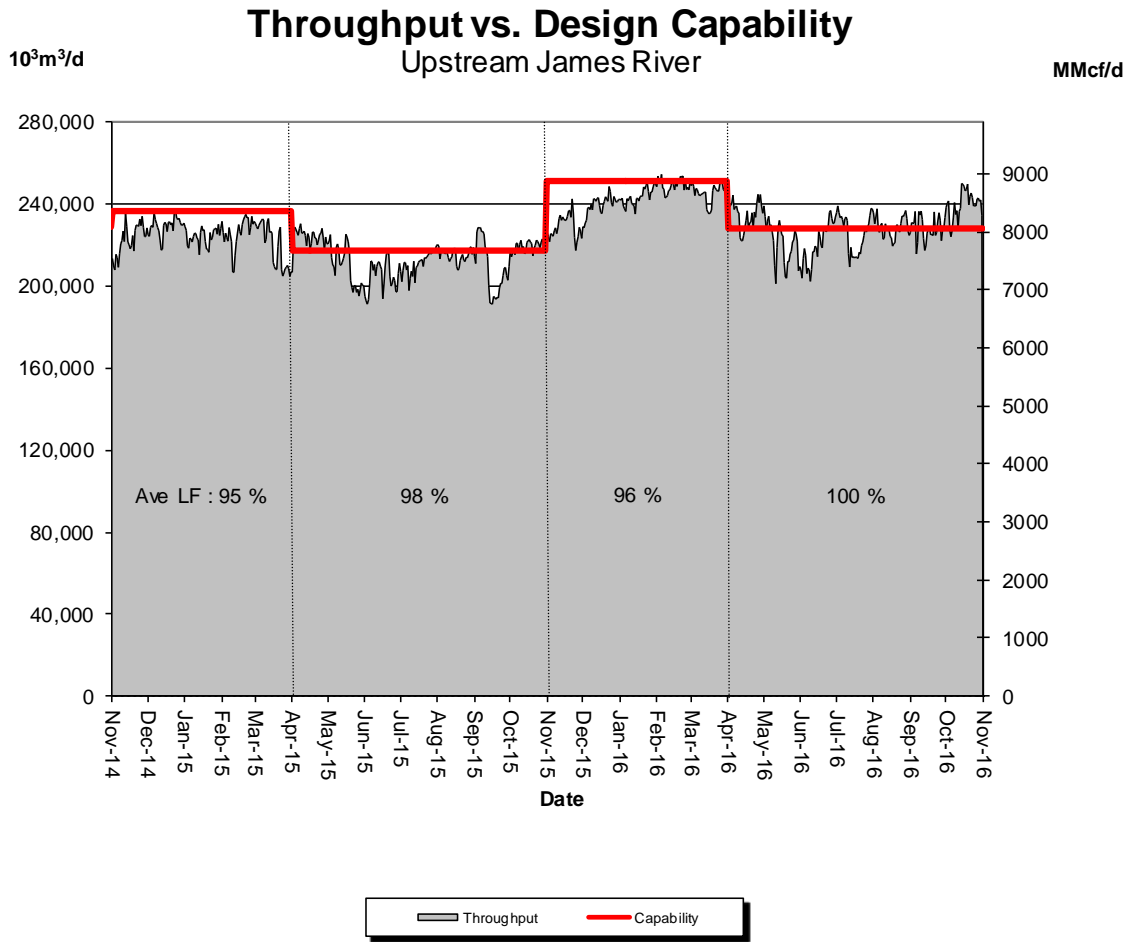
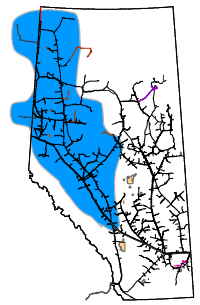
DESIGN CAPABILITY UTILIZATION PEACE RIVER DESIGN (Upper, Central and Lower Peace River)



% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	91%	90%	92%	94%	93%	97%

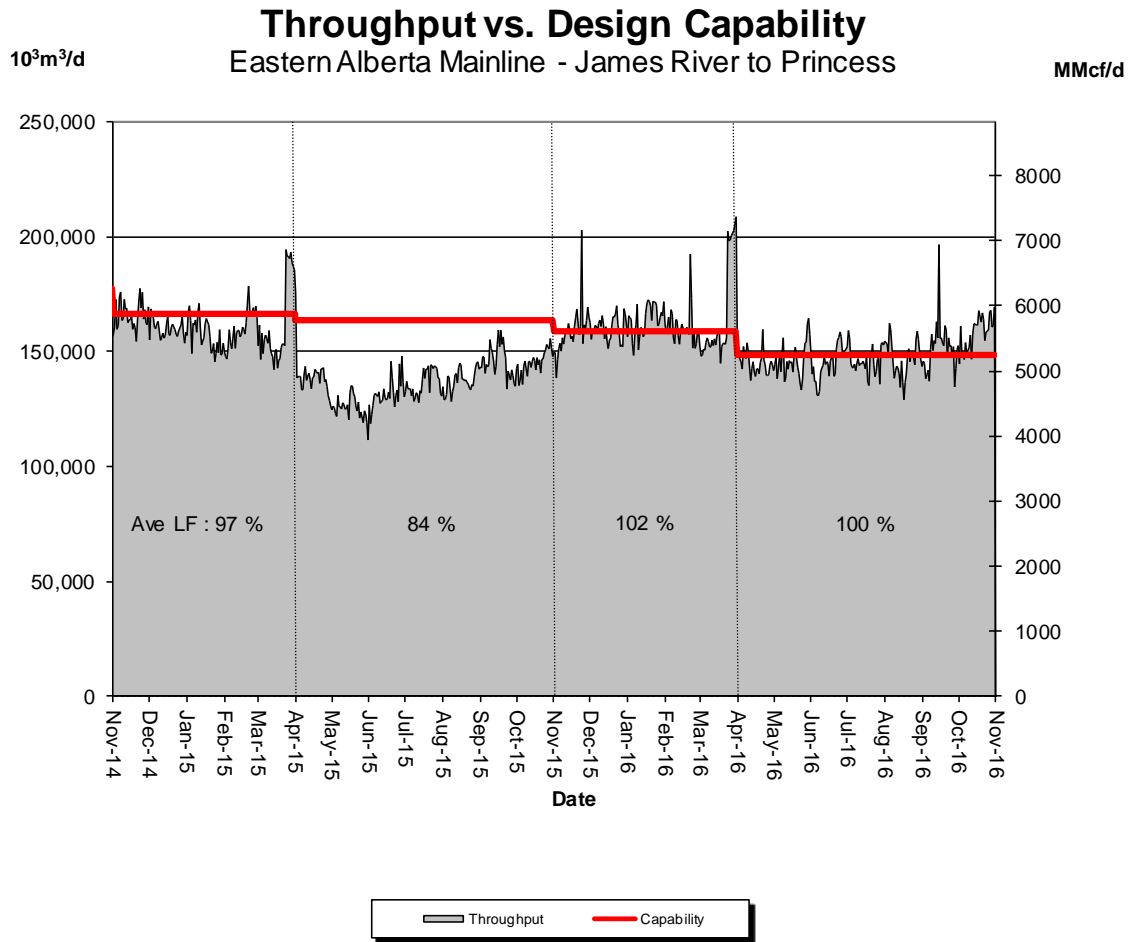
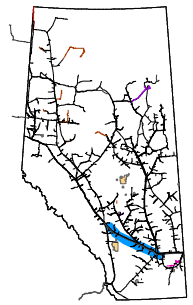
DESIGN CAPABILITY UTILIZATION UPSTREAM JAMES RIVER

(Edson Mainline, Peace River Design and Marten Hills)



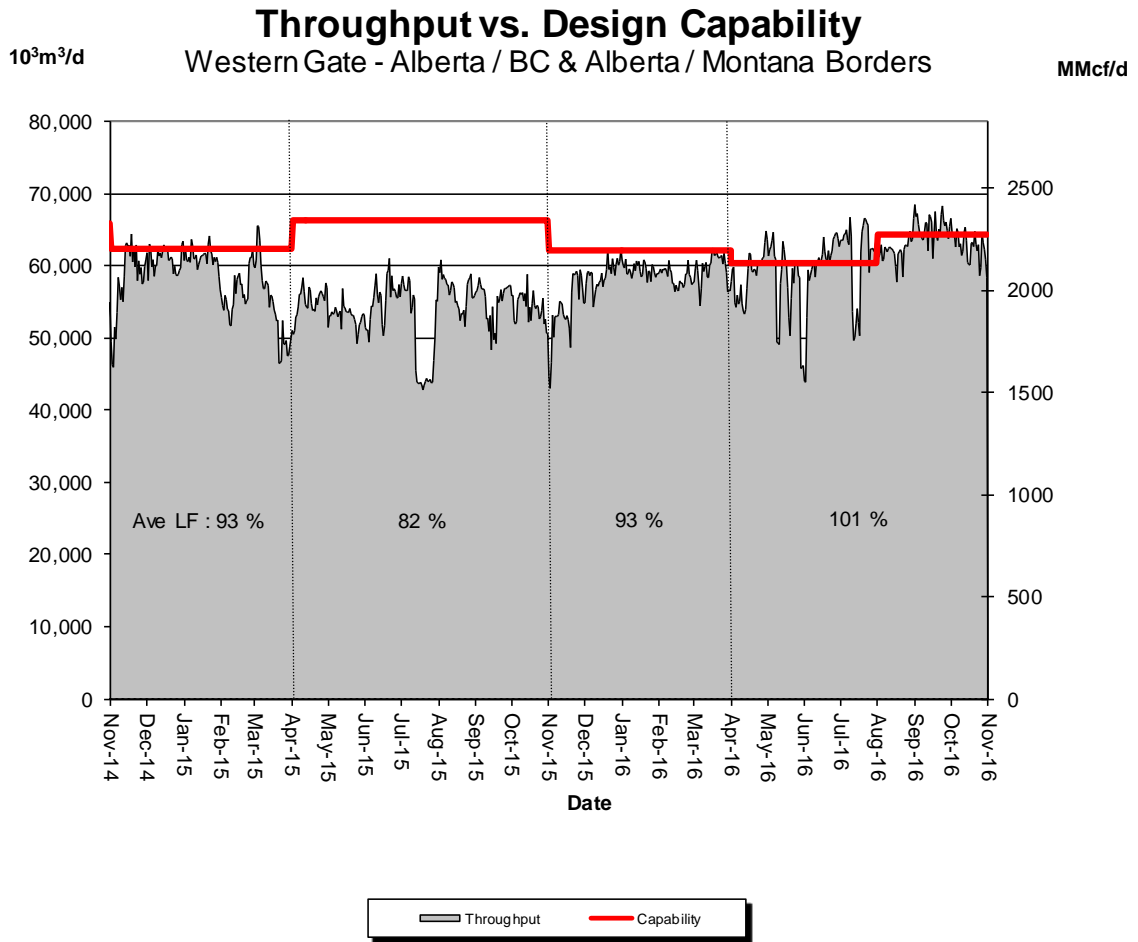
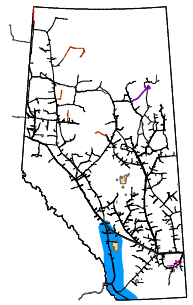
% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	97%	97%	99%	100%	100%	105%

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



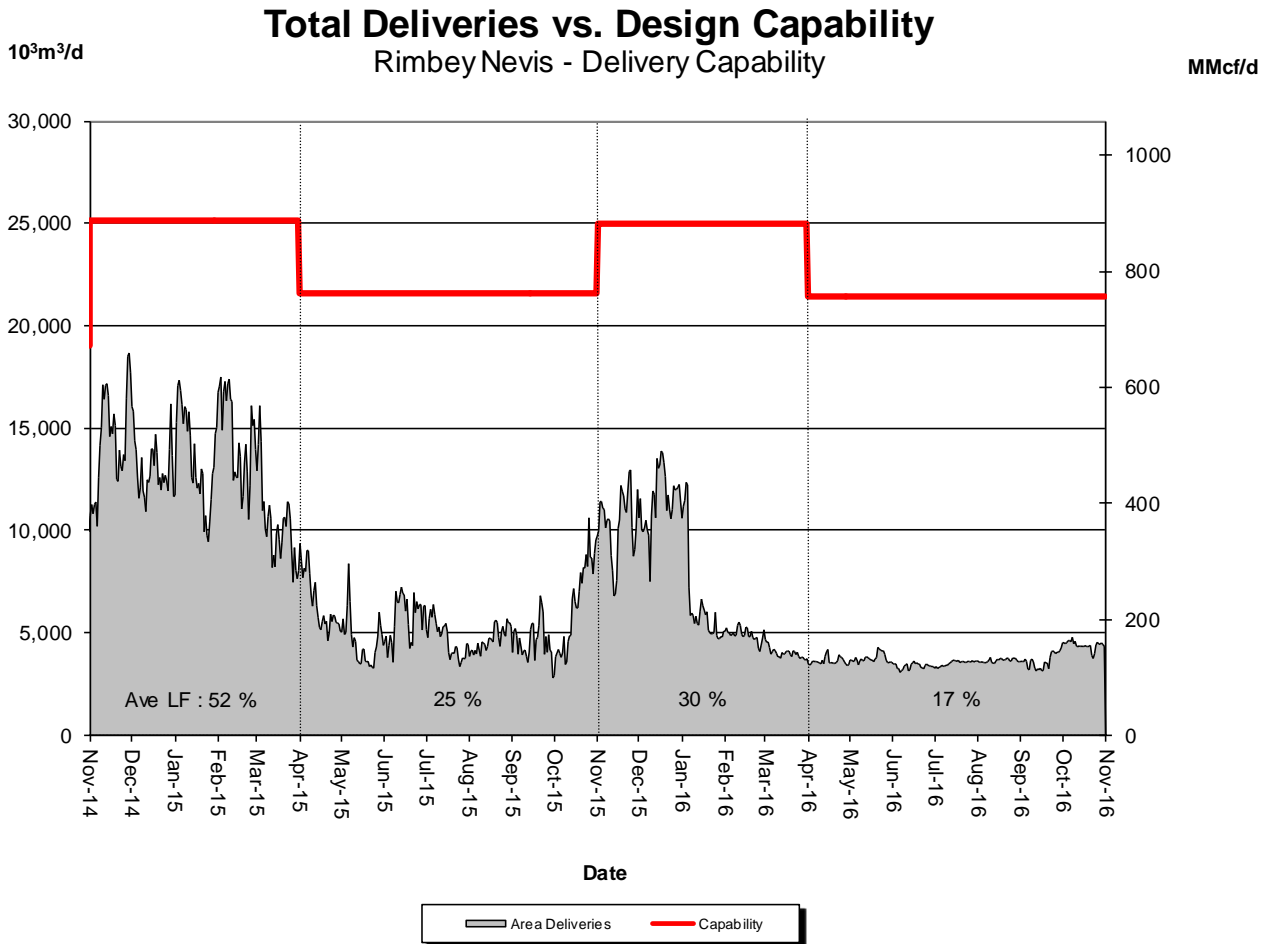
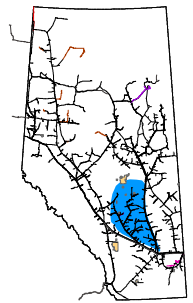
% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	98%	98%	98%	99%	102%	107%

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



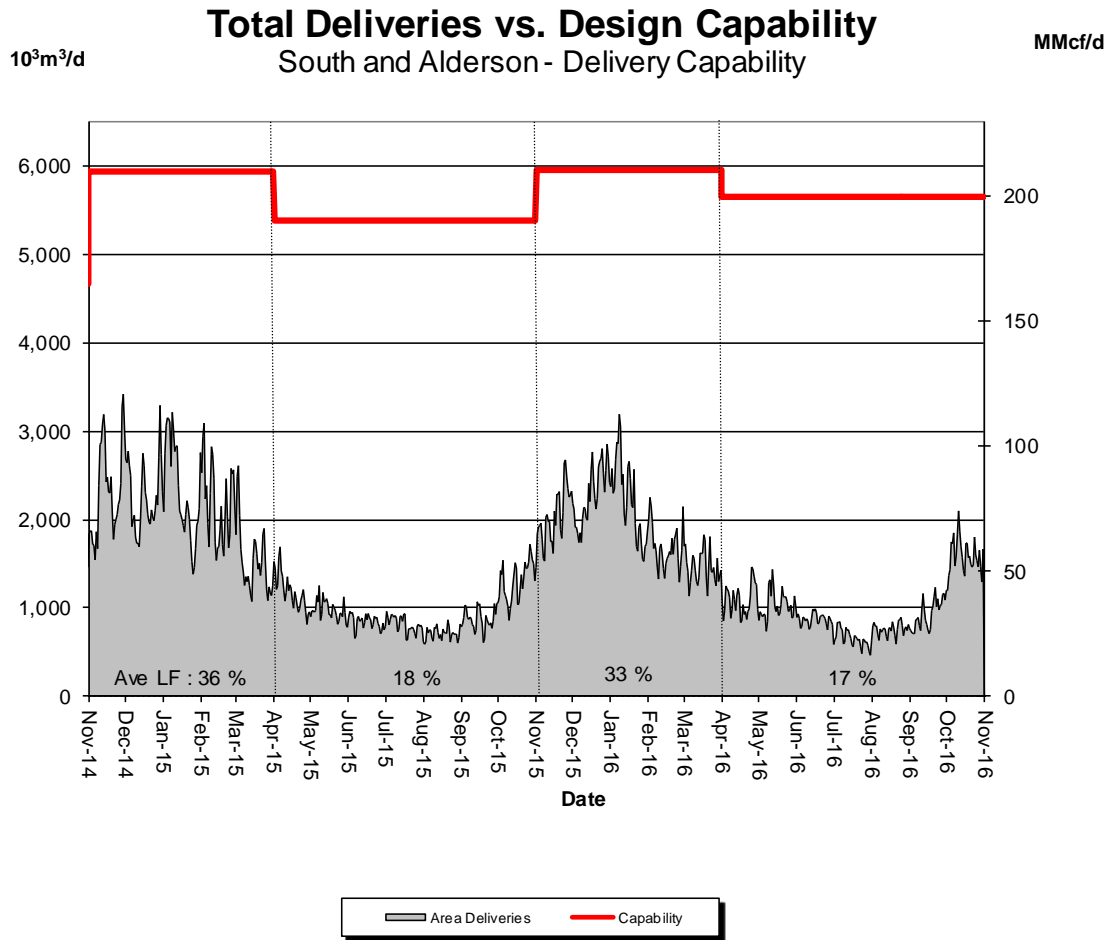
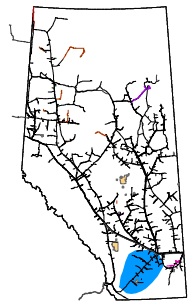
% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	95%	99%	101%	97%	102%	98%

DESIGN CAPABILITY UTILIZATION RIMBEY-NEVIS – FLOW WITHIN



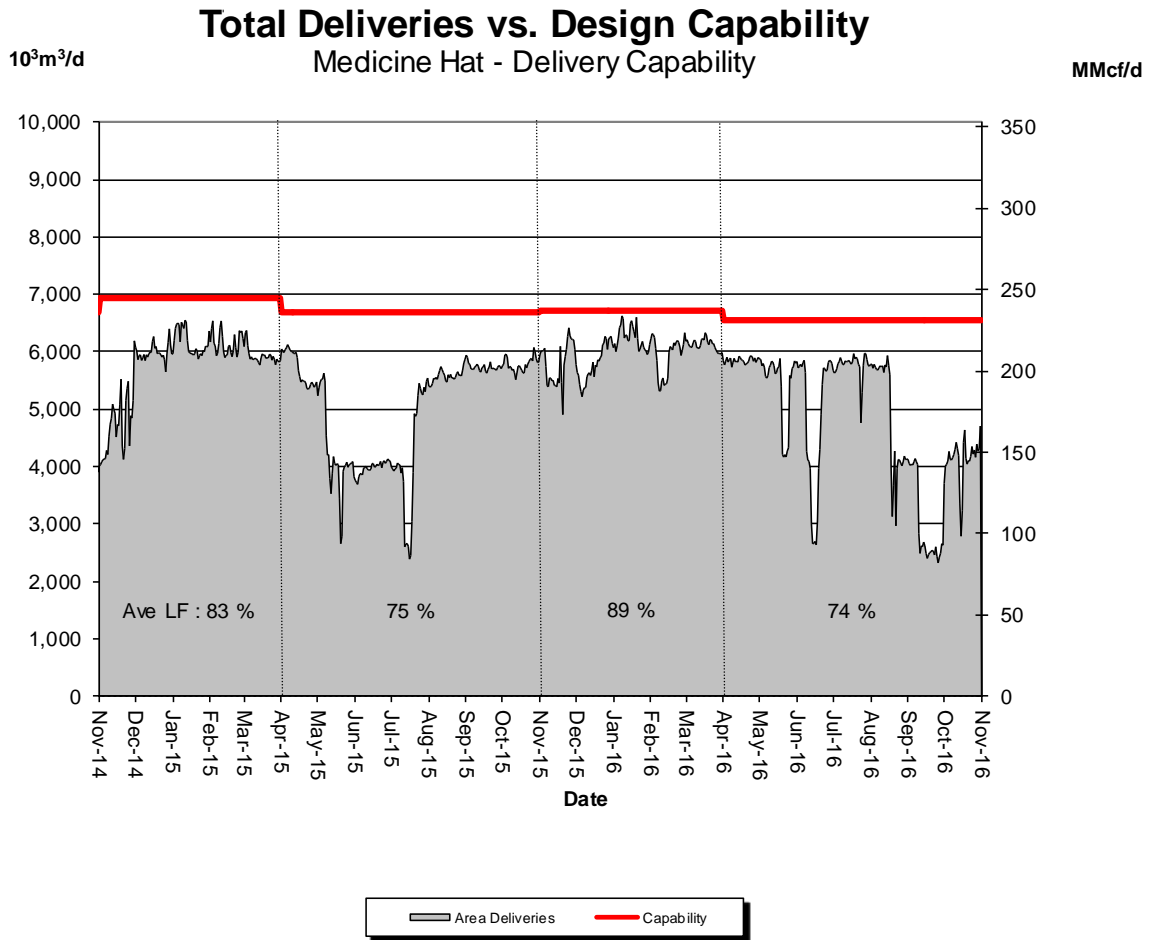
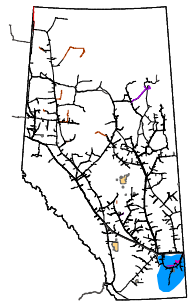
% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	18%	16%	16%	17%	17%	21%

DESIGN CAPABILITY UTILIZATION SOUTH and ALDERSON – FLOW WITHIN



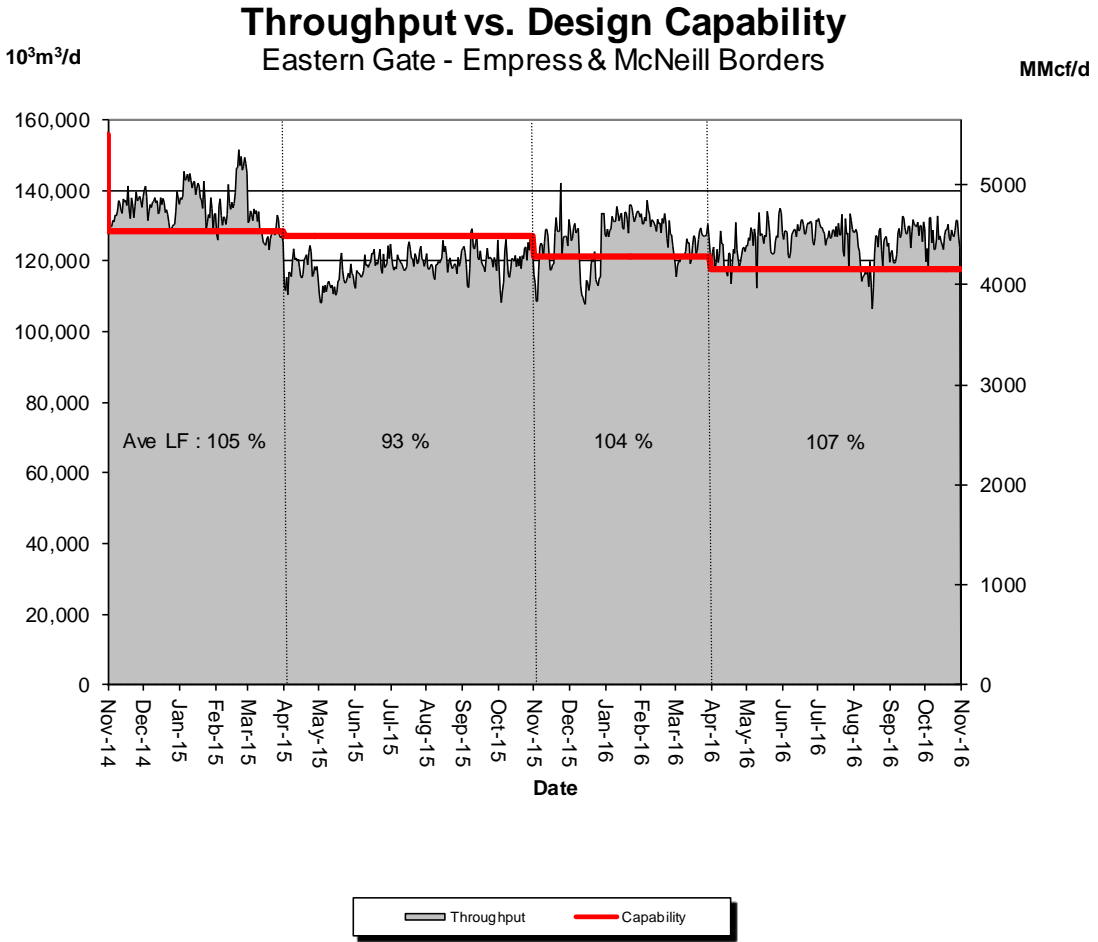
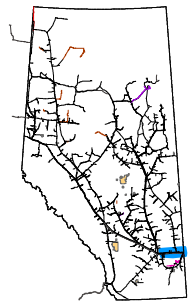
% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	18%	15%	12%	13%	16%	28%

DESIGN CAPABILITY UTILIZATION MEDICINE HAT – FLOW WITHIN



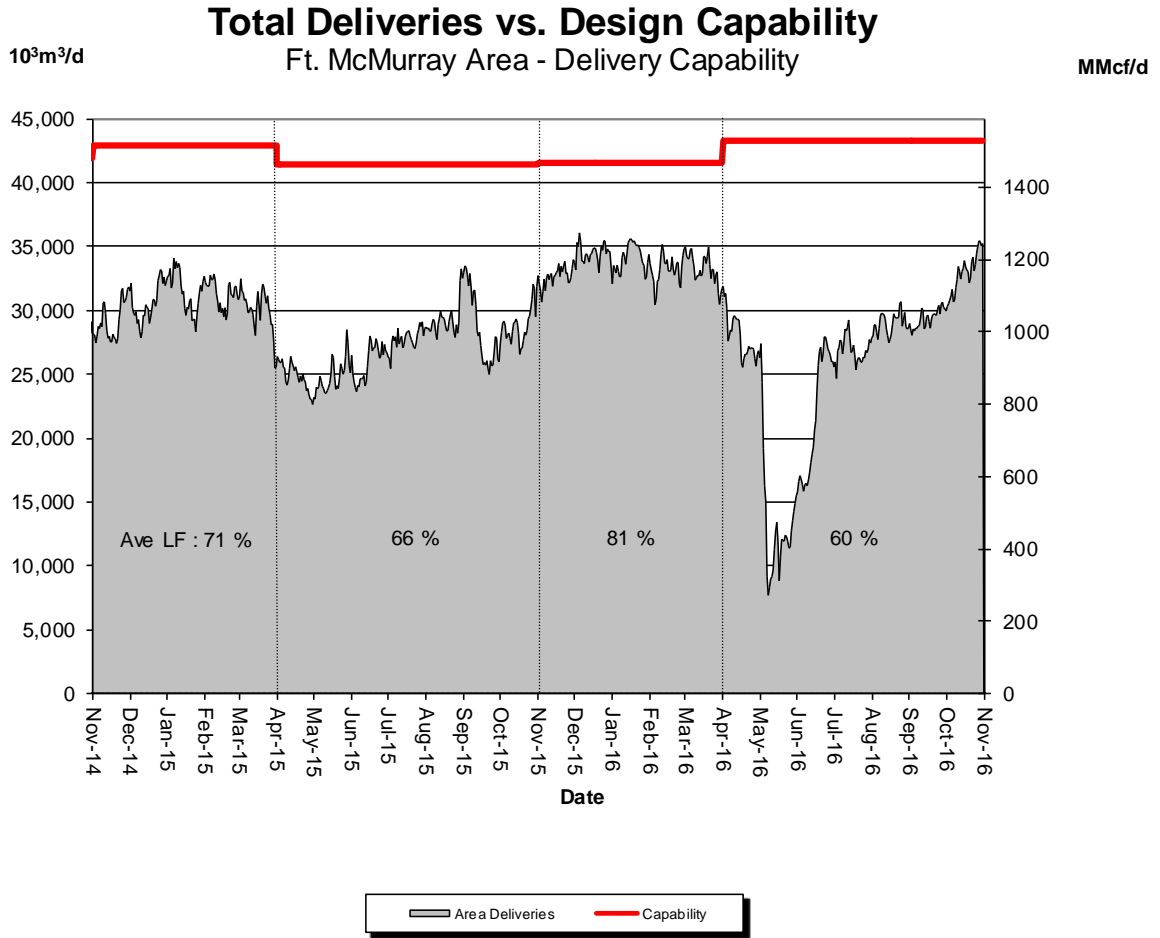
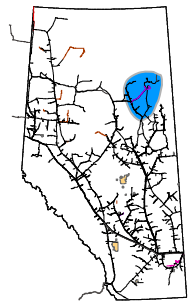
% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	83%	73%	88%	75%	46%	63%

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



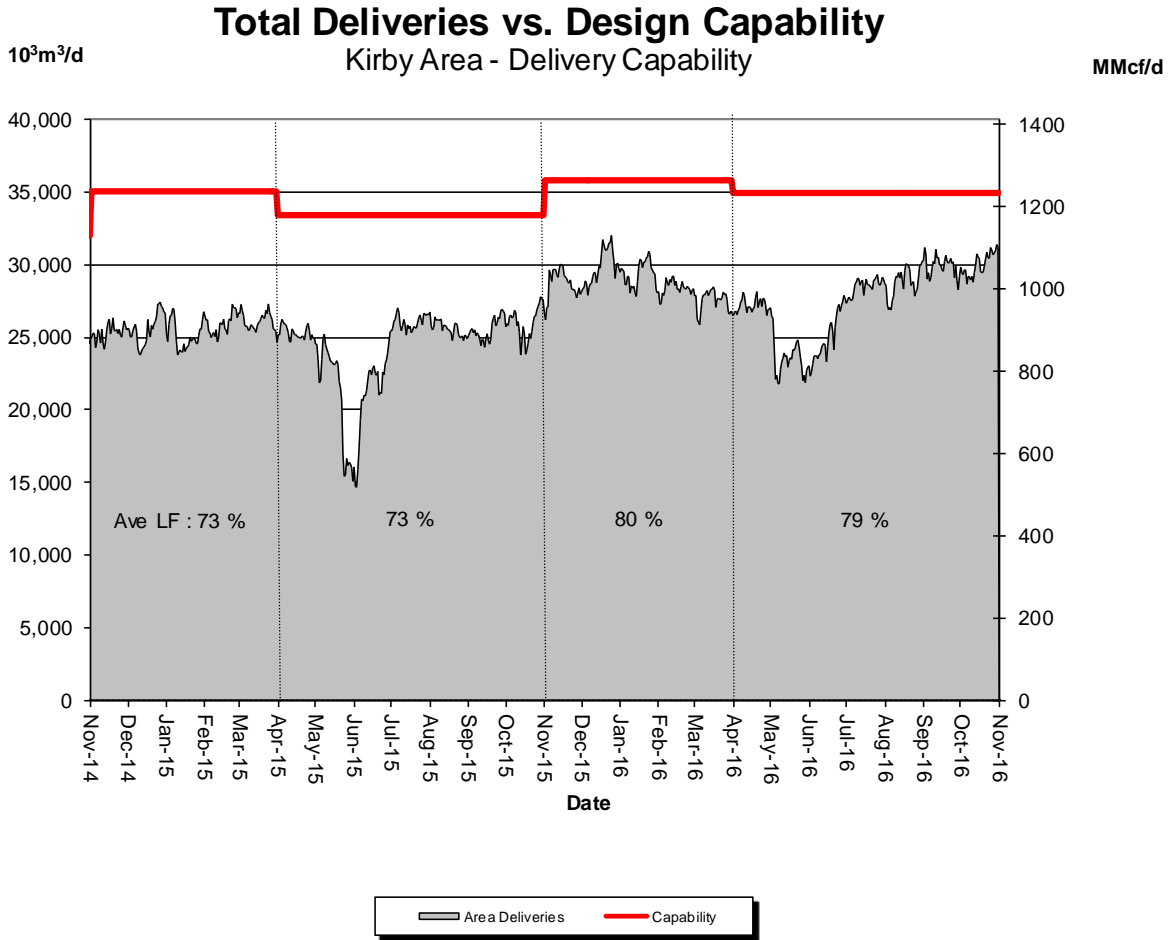
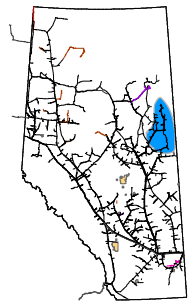
% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	108%	109%	109%	103%	108%	108%

DESIGN CAPABILITY UTILIZATION FT. McMURRAY AREA – FLOW WITHIN



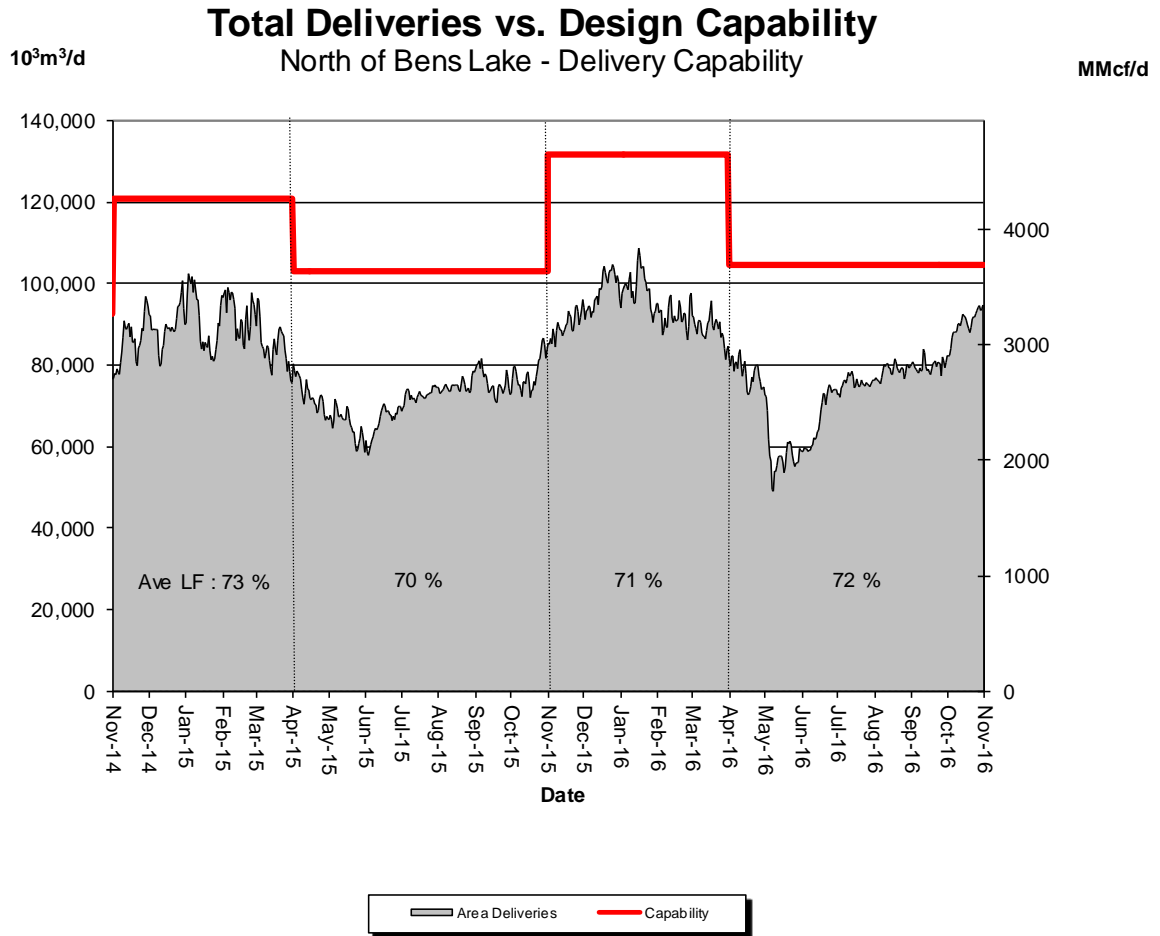
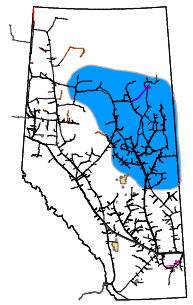
% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	31%	50%	62%	67%	68%	76%

DESIGN CAPABILITY UTILIZATION KIRBY AREA – FLOW WITHIN



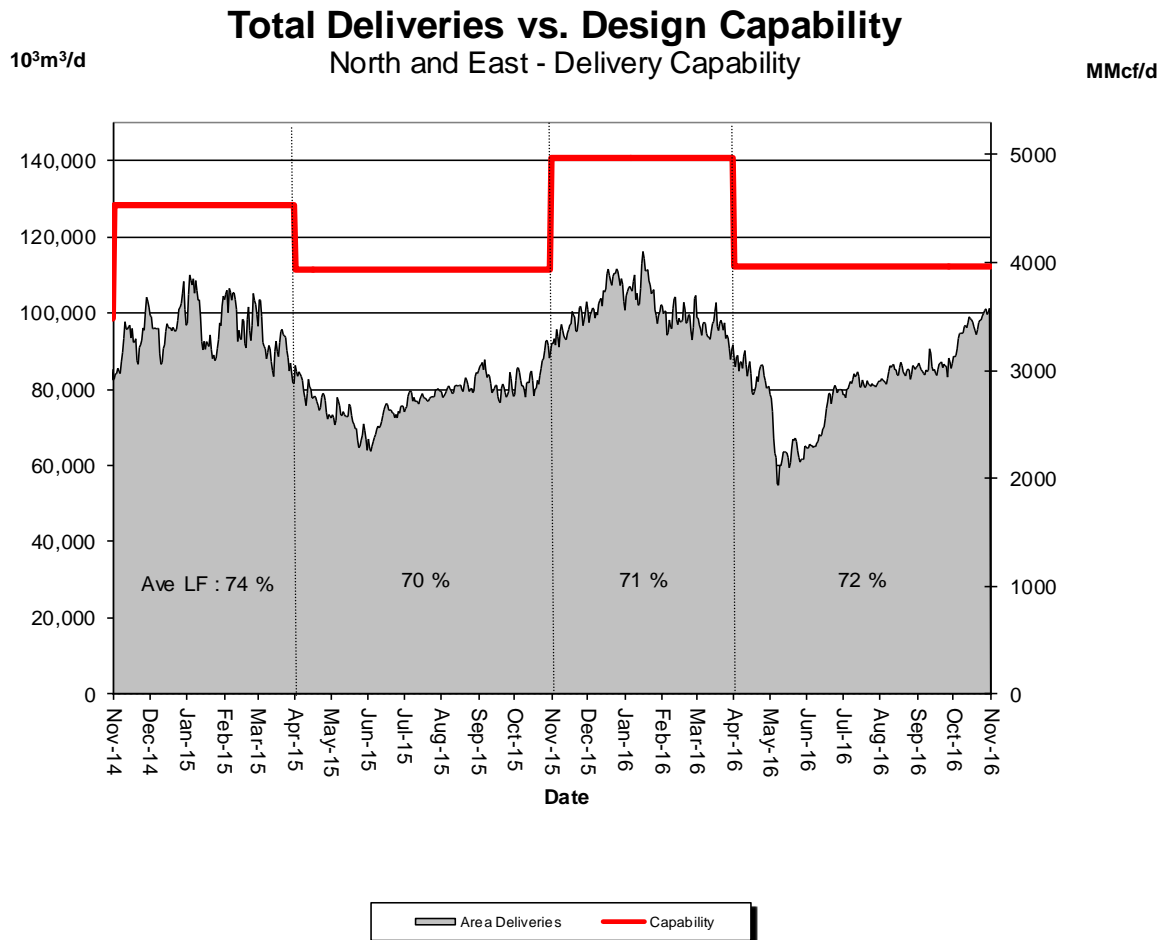
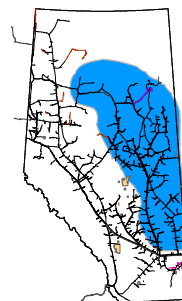
% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	68%	71%	82%	82%	86%	86%

DESIGN CAPABILITY UTILIZATION NORTH OF BENS LAKE – FLOW WITHIN



% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	56%	64%	72%	75%	76%	86%

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



% Design Capability Utilization						
Design Capability	May	Jun	Jul	Aug	Sep	Oct
	57%	64%	72%	75%	76%	86%

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.transcanada.com/customerexpress/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.

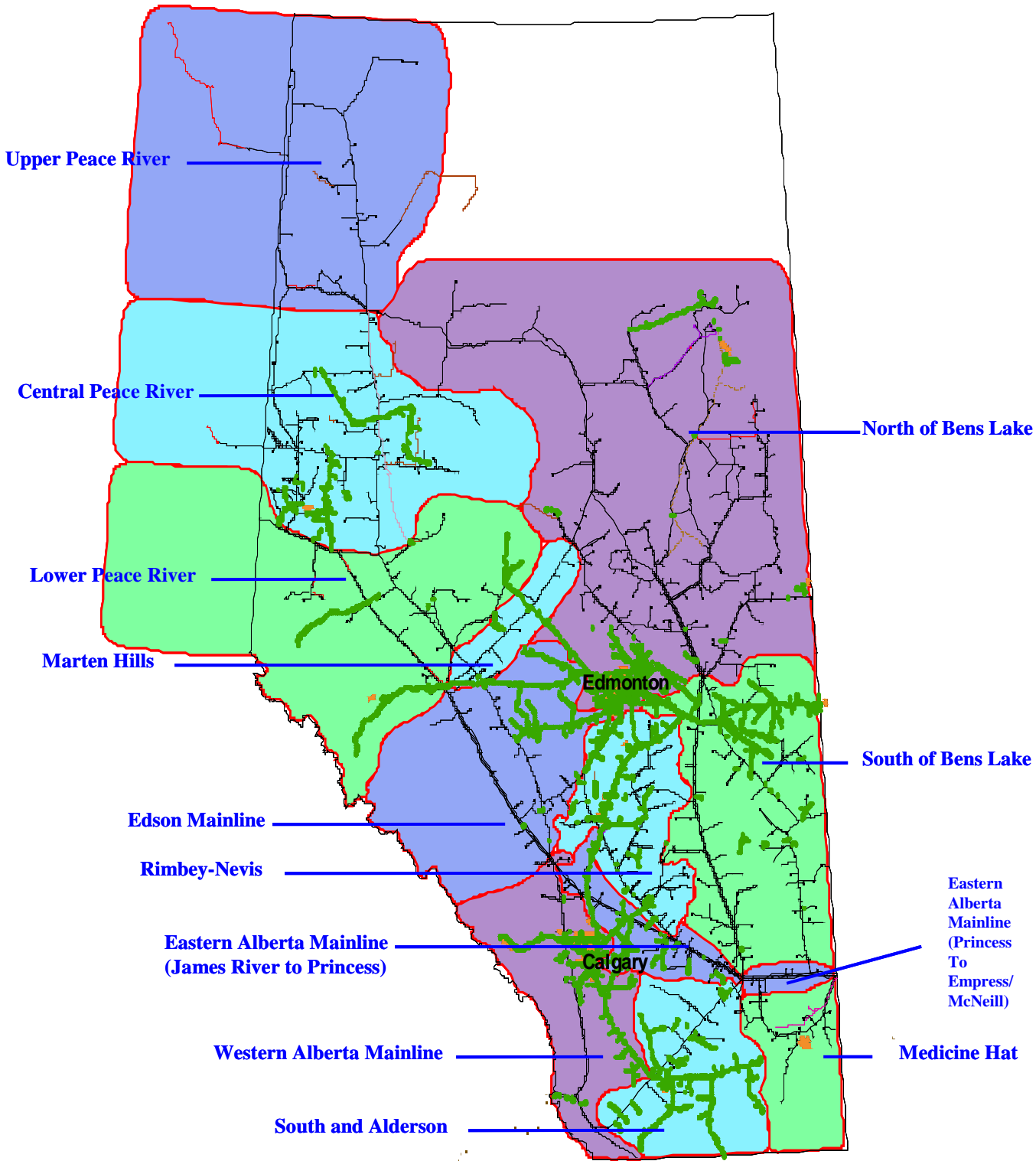
Design Flow Capability utilization is a function of several factors that include:

- 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.

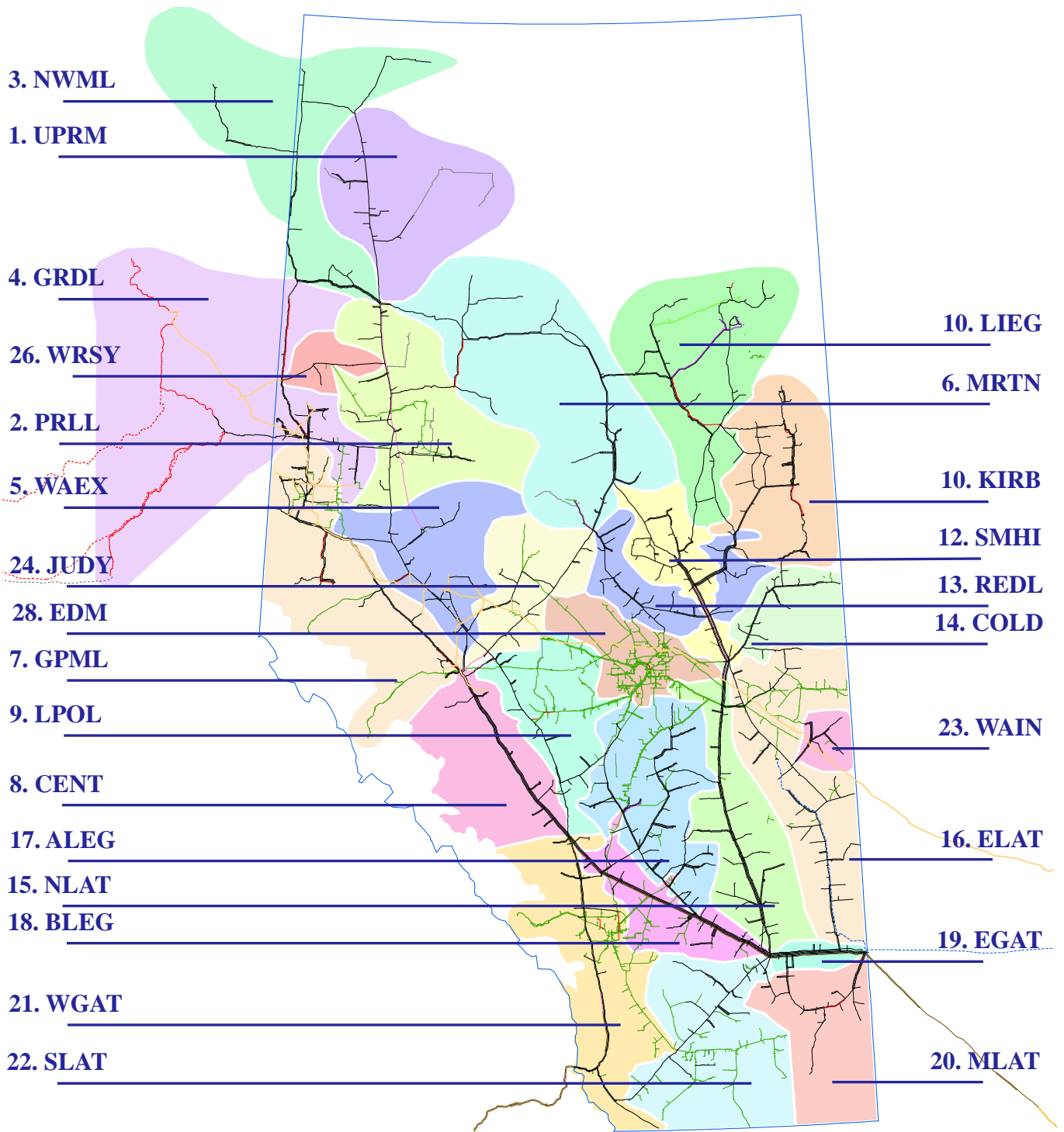
Future Firm Transportation Service Availability

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

NGTL Design Areas



(Last updated Nov 2011)



Last Update May, 2015

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
