

SYSTEM UTILIZATION AND RELIABILITY MONTHLY REPORT

for the month ending

March 2015

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

Published date:
May 20th, 2015

Highlights This Month:

- Updated comments on page 19 and 22
- Updated map on page 21

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
March 2015

Segment	Contract	Utilization	Delivery	Utilization	Receipt
			Mar CD (TJ/d)		Mar CD (MMcf/d)
UPRM	FT	2%	22.9	91%	63
	FT + IT ²	4%		101%	
PRLL	FT	46%	41.9	95%	103
	FT + IT	52%		105%	
NWML	FT	56%	8.0	64%	534
	FT + IT	57%		66%	
GRDL	FT	34%	9.1	85%	2,051
	FT + IT	35%		91%	
WRSY	FT	0%	0.0	79%	15
	FT + IT	0%		103%	
WAEX	FT	25%	13.7	86%	412
	FT + IT	54%		101%	
JUDY	FT	37%	29.2	94%	62
	FT + IT	40%		122%	
GPML	FT	39%	168.2	93%	3,215
	FT + IT	46%		99%	
CENT	FT	0%	0.0	93%	1,139
	FT + IT	0%		106%	
LPOL	FT	41%	77.2	93%	739
	FT + IT	45%		110%	
WGAT	FT	71%	3,482.6	98%	307
	FT + IT	73%		118%	
ALEG	FT	49%	351.9	95%	767
	FT + IT	56%		131%	
SLAT	FT	28%	181.5	90%	209
	FT + IT	29%		111%	
MLAT	FT	81%	262.5	71%	217
	FT + IT	85%		78%	
BLEG	FT	63%	134.3	94%	557
	FT + IT	65%		107%	
EGAT	FT	93%	4,769.3	75%	31
	FT + IT	103%		93%	
MRTN	FT	24%	37.6	69%	63
	FT + IT	26%		113%	
LIEG	FT	80%	1,448.9	49%	37
	FT + IT	83%		113%	
KIRB	FT	74%	1,338.0	72%	48
	FT + IT	76%		99%	
SMHI	FT	47%	12.0	83%	28
	FT + IT	47%		145%	
REDL	FT	3%	15.0	61%	40
	FT + IT	13%		106%	
COLD	FT	46%	119.5	81%	15
	FT + IT	58%		157%	
EDM	FT	46%	1,772.6	95%	41
	FT + IT	48%		126%	
NLAT	FT	30%	14.8	95%	132
	FT + IT	32%		120%	
WAIN	FT	27%	0.4	93%	8
	FT + IT	27%		138%	
ELAT	FT	81%	272.2	94%	116
	FT + IT	82%		136%	
TOTAL SYSTEM	FT	74%	14,583.3	89%	10,948
	FT + IT	79%		102%	

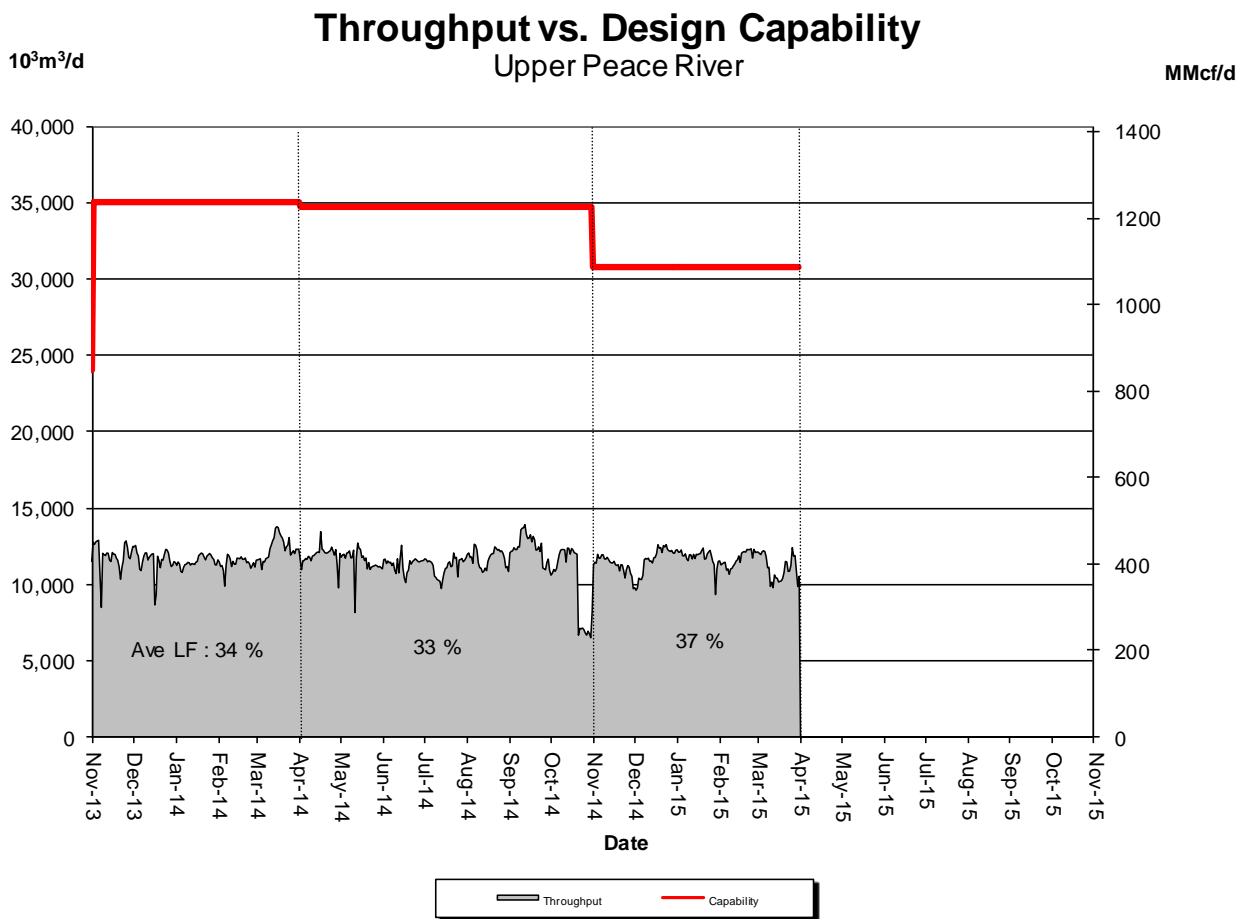
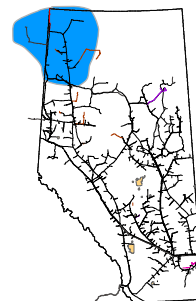
*NOTE:

1. FT includes all receipt and delivery Firm Transportation Services: FTR, FTRN, LRS, FTD1,

2. IT includes receipt and delivery Interruptible Services: IT-R and IT-D respectively.

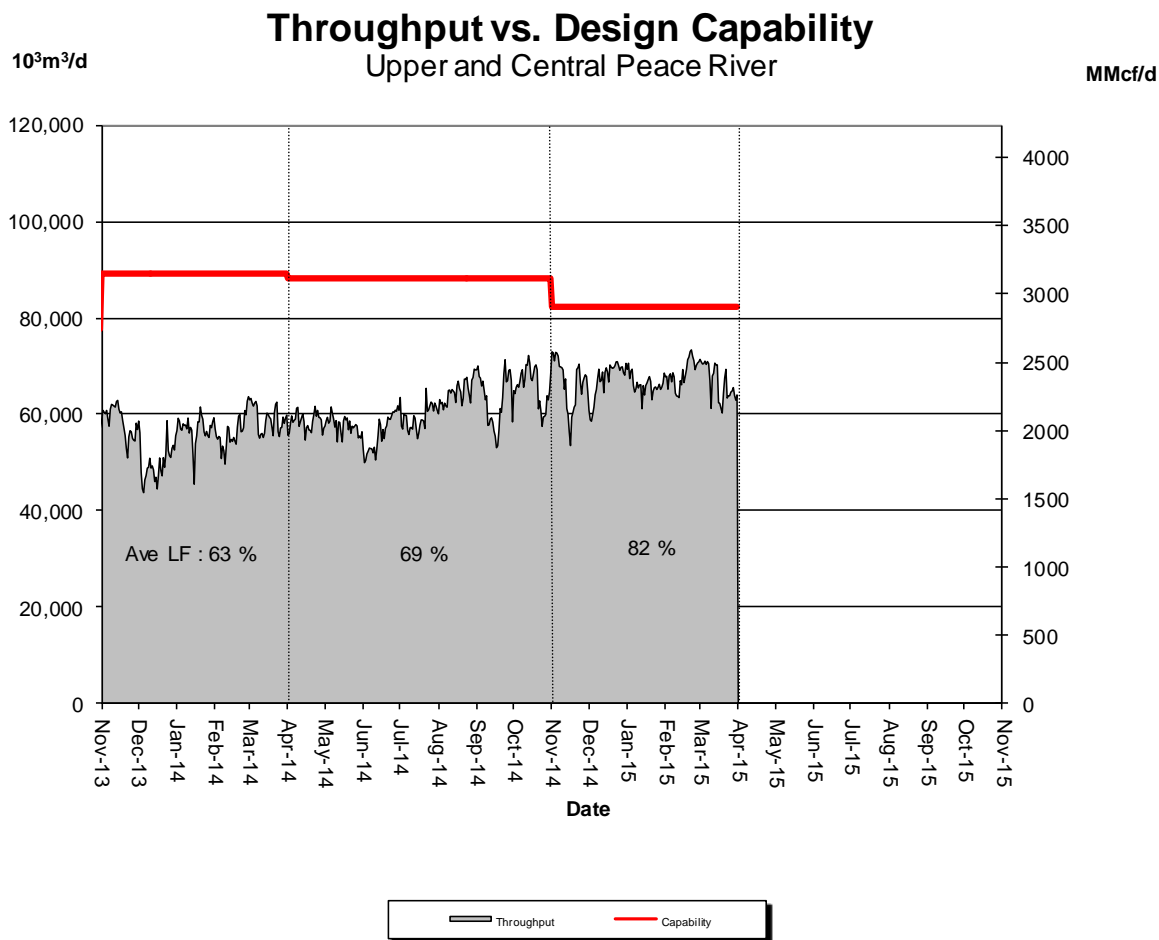
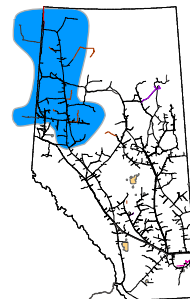
3. Utilization data is based on billed monthly volumes. Percent utilization calculated as FT and FT + IT billed volumes divided by applicable receipt or delivery Contract level.

DESIGN CAPABILITY UTILIZATION UPPER PEACE RIVER



% Design Capability Utilization						
Design Capability	Oct	Nov	Dec	Jan	Feb	Mar
	29%	37%	38%	38%	38%	36%

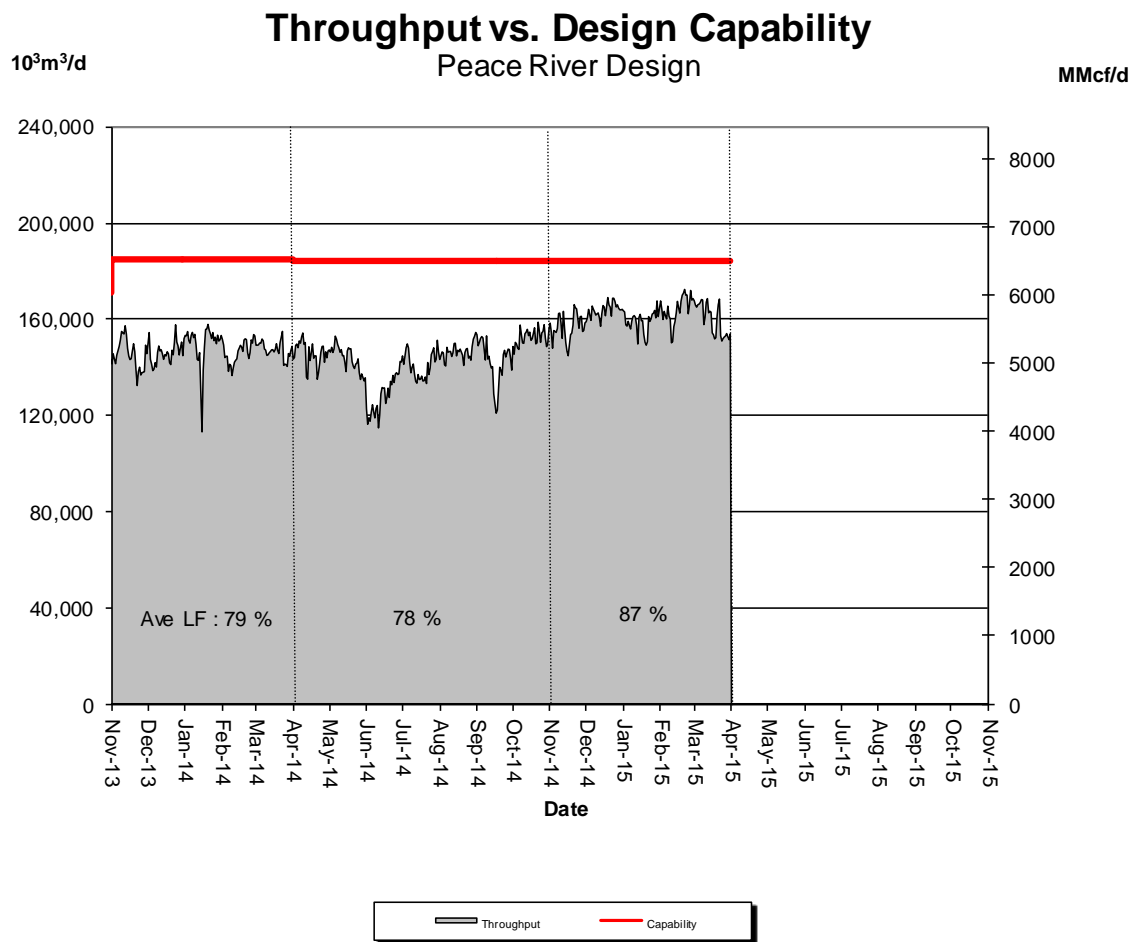
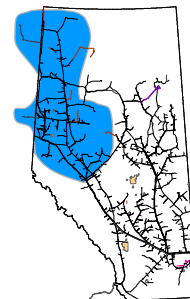
DESIGN CAPABILITY UTILIZATION UPPER and CENTRAL PEACE RIVER



% Design Capability Utilization						
Design Capability	Oct	Nov	Dec	Jan	Feb	Mar
	75%	81%	82%	81%	83%	81%

DESIGN CAPABILITY UTILIZATION PEACE RIVER DESIGN

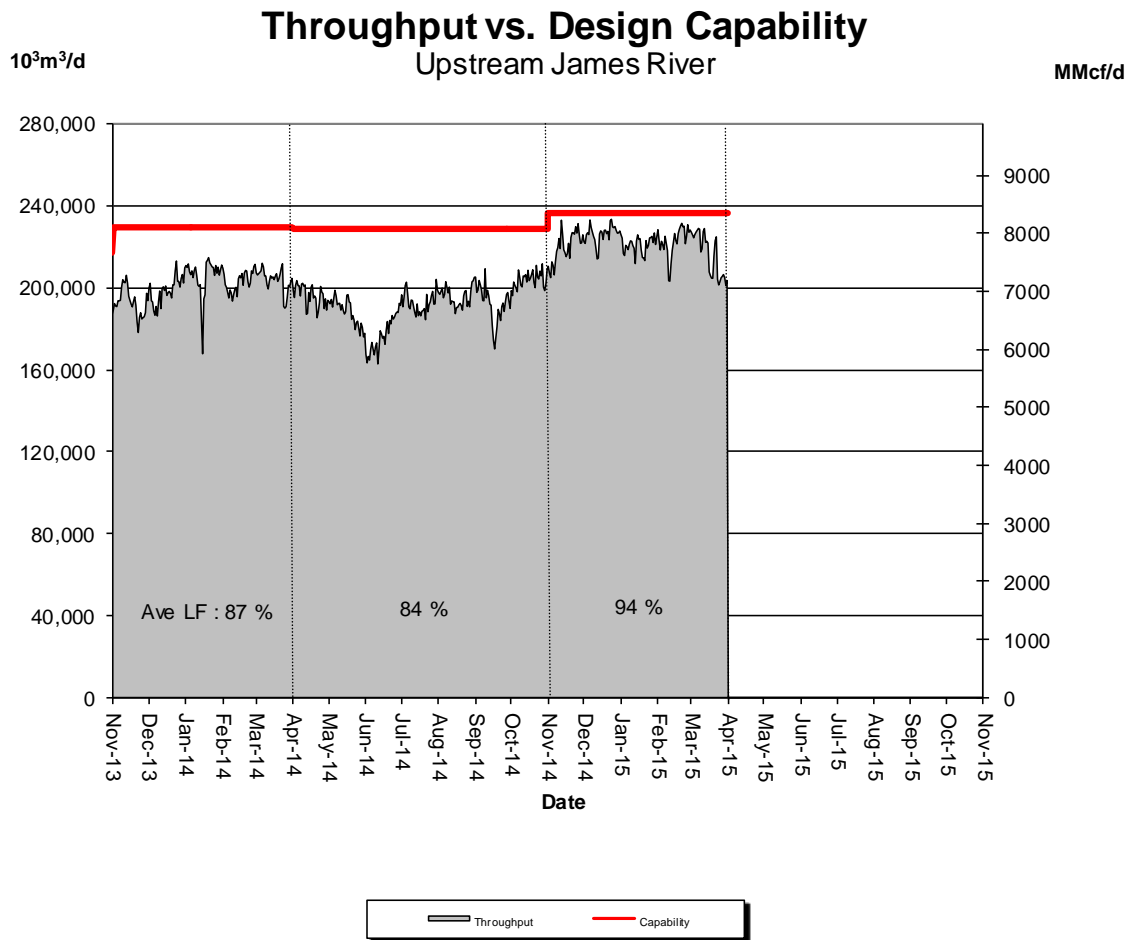
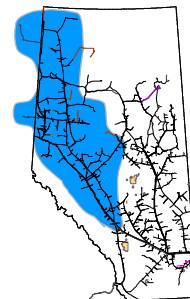
(Upper, Central and Lower Peace River)



% Design Capability Utilization						
Design Capability	Oct	Nov	Dec	Jan	Feb	Mar
	83%	85%	89%	86%	89%	87%

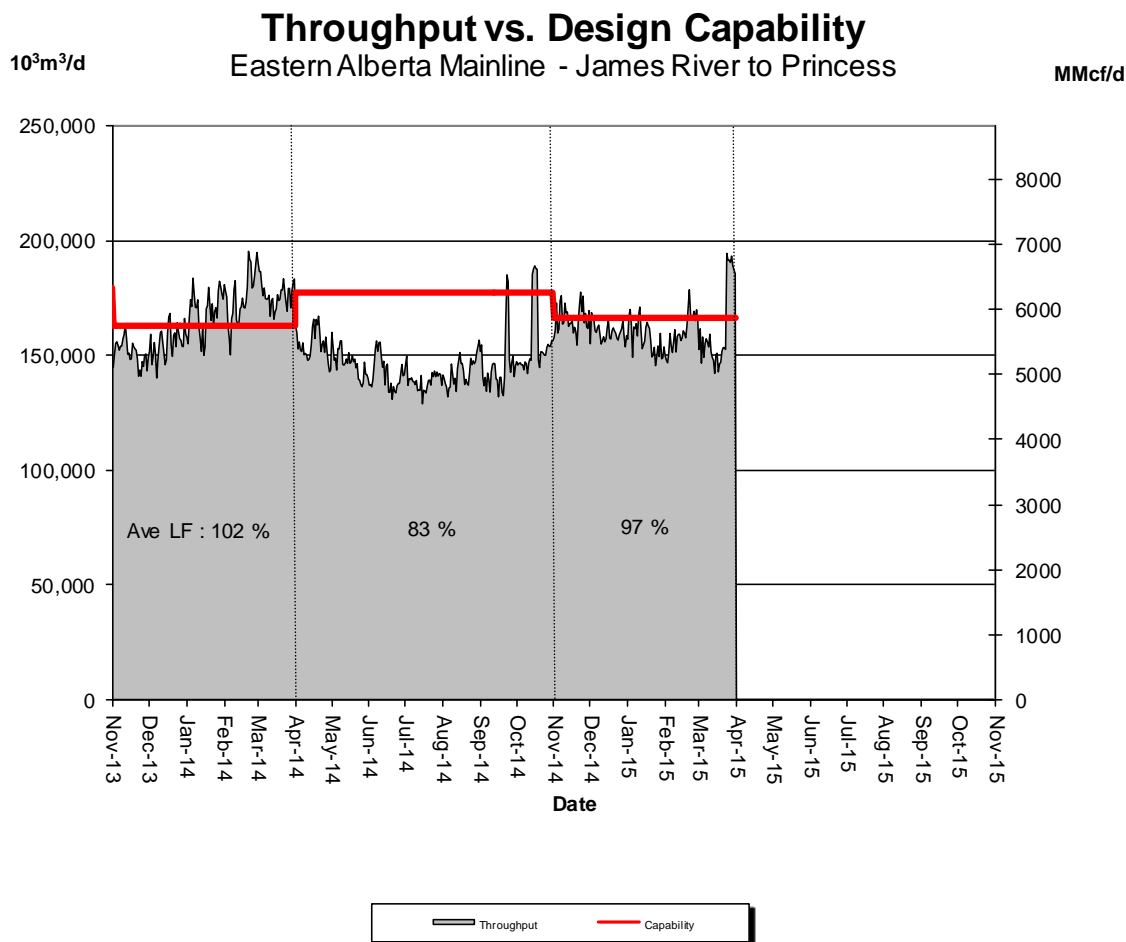
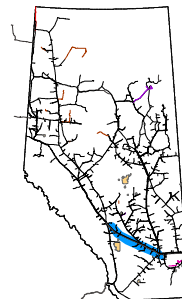
DESIGN CAPABILITY UTILIZATION UPSTREAM JAMES RIVER

(Edson Mainline, Peace River Design and Marten Hills)



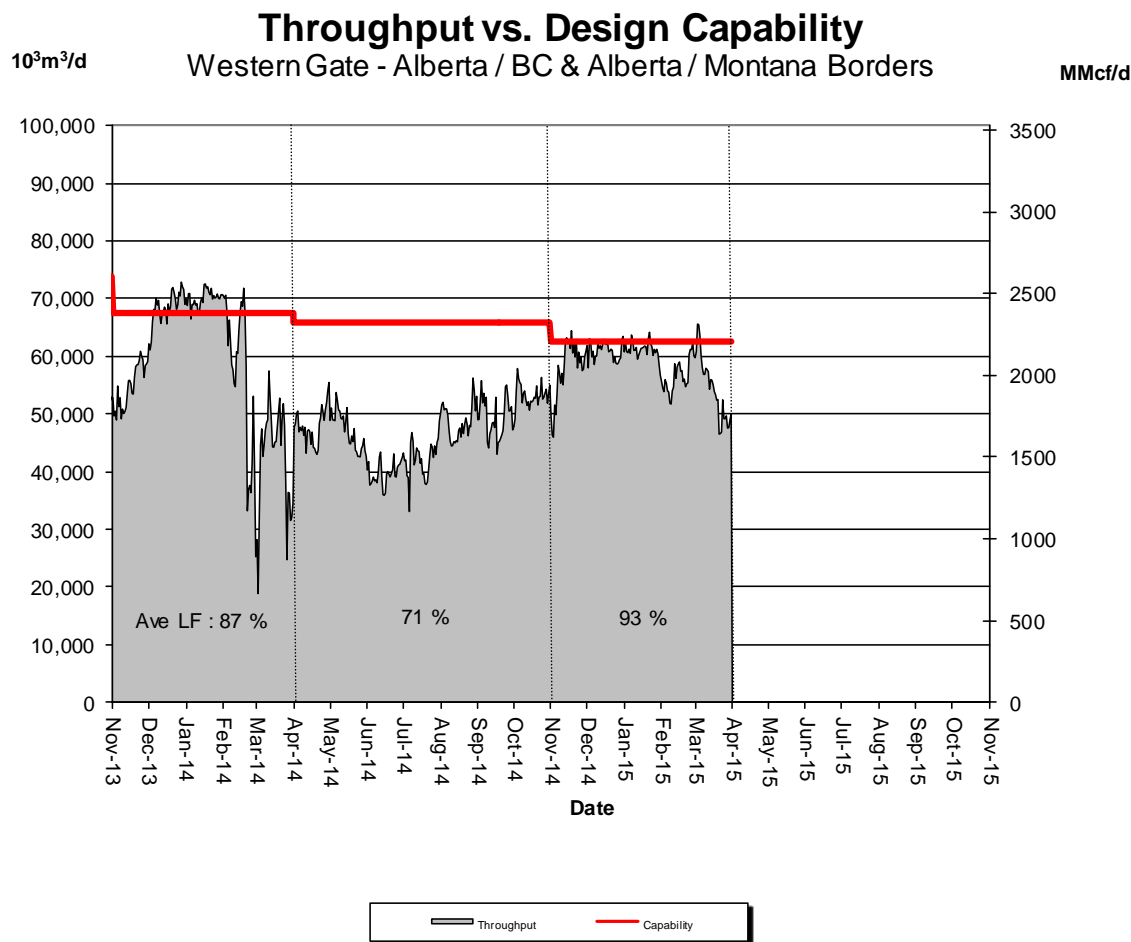
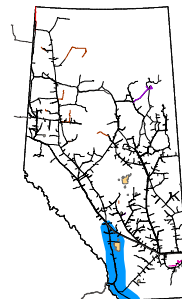
% Design Capability Utilization						
Design Capability	Oct	Nov	Dec	Jan	Feb	Mar
	89%	93%	96%	93%	94%	91%

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



% Design Capability Utilization						
Design Capability	Oct	Nov	Dec	Jan	Feb	Mar
	88%	100%	96%	95%	96%	97%

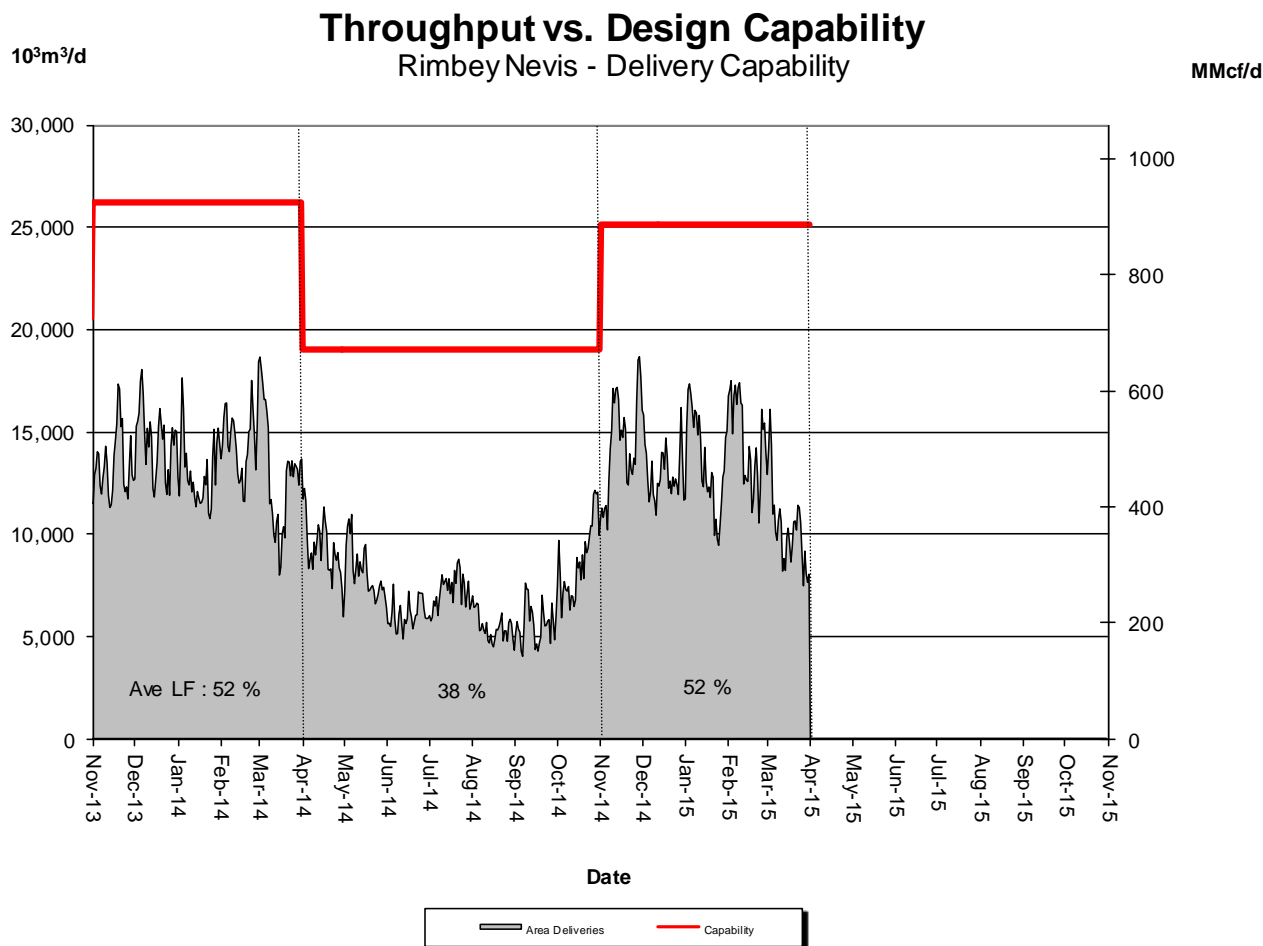
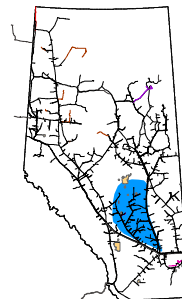
DESIGN CAPABILITY UTILIZATION WESTERN ALBERTA MAINLINE (Alberta/B.C. and Alberta/Montana Borders)



% Design Capability Utilization						
Design Capability	Oct	Nov	Dec	Jan	Feb	Mar
	81%	93%	97%	98%	91%	87%

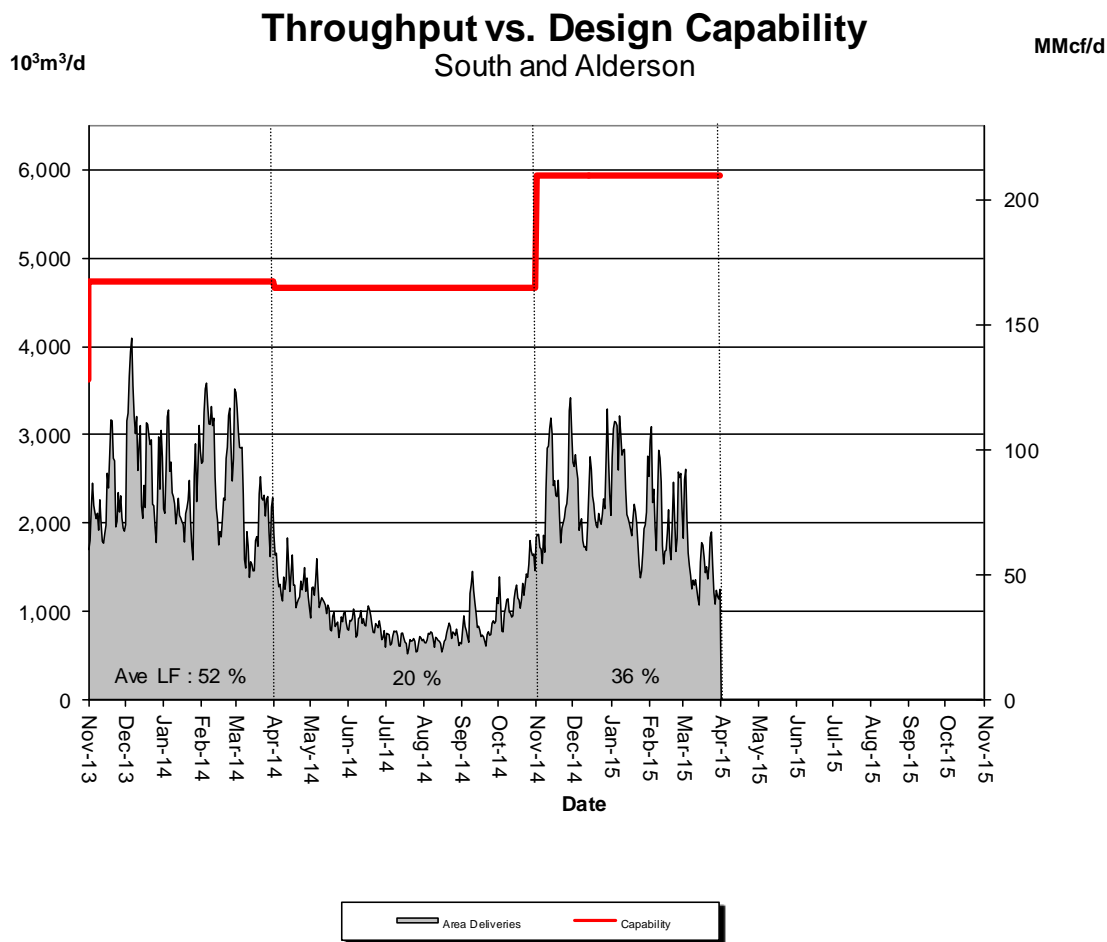
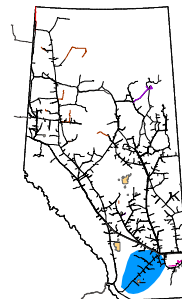
DESIGN CAPABILITY UTILIZATION

RIMBEY-NEVIS – FLOW WITHIN



DESIGN CAPABILITY UTILIZATION

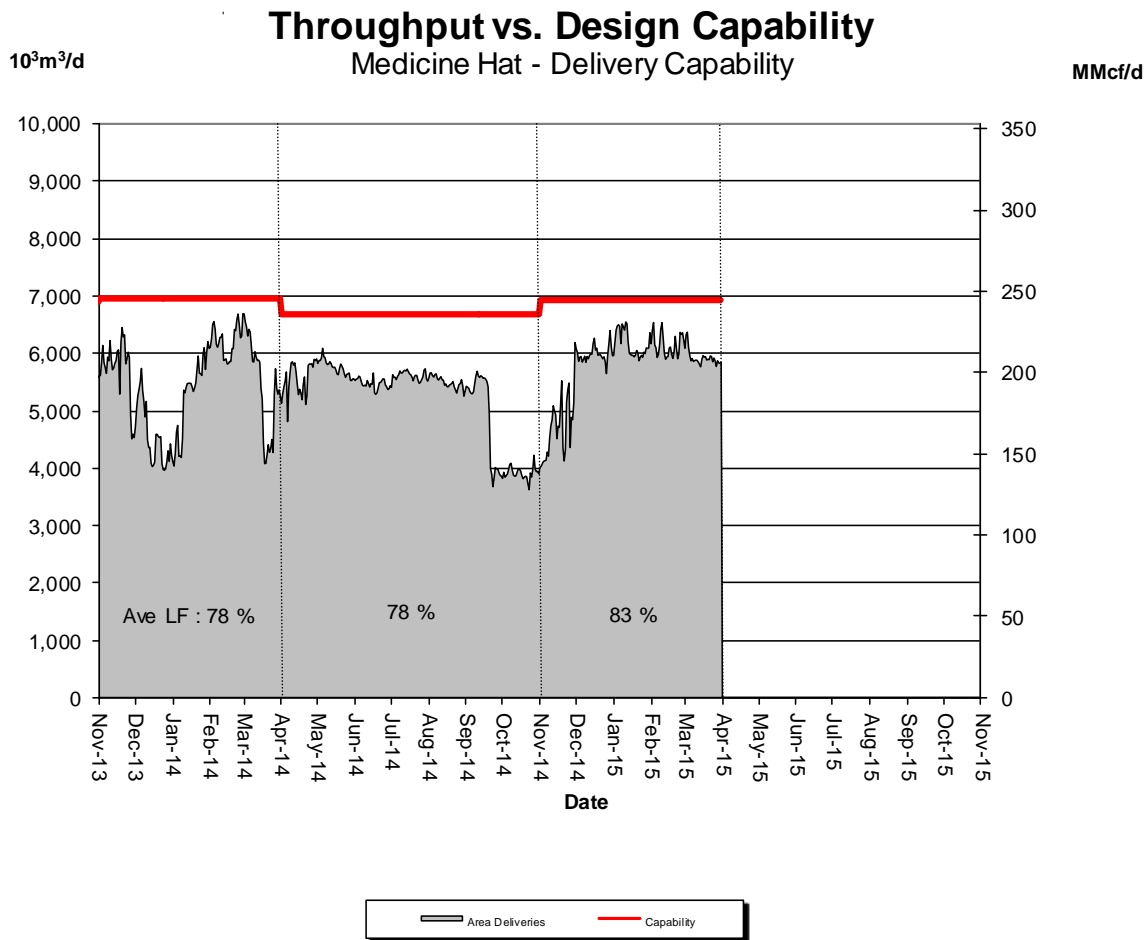
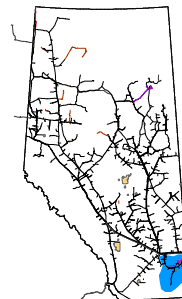
SOUTH and ALDERSON – FLOW WITHIN



% Design Capability Utilization						
Design Capability	Oct	Nov	Dec	Jan	Feb	Mar
	26%	39%	38%	39%	37%	26%

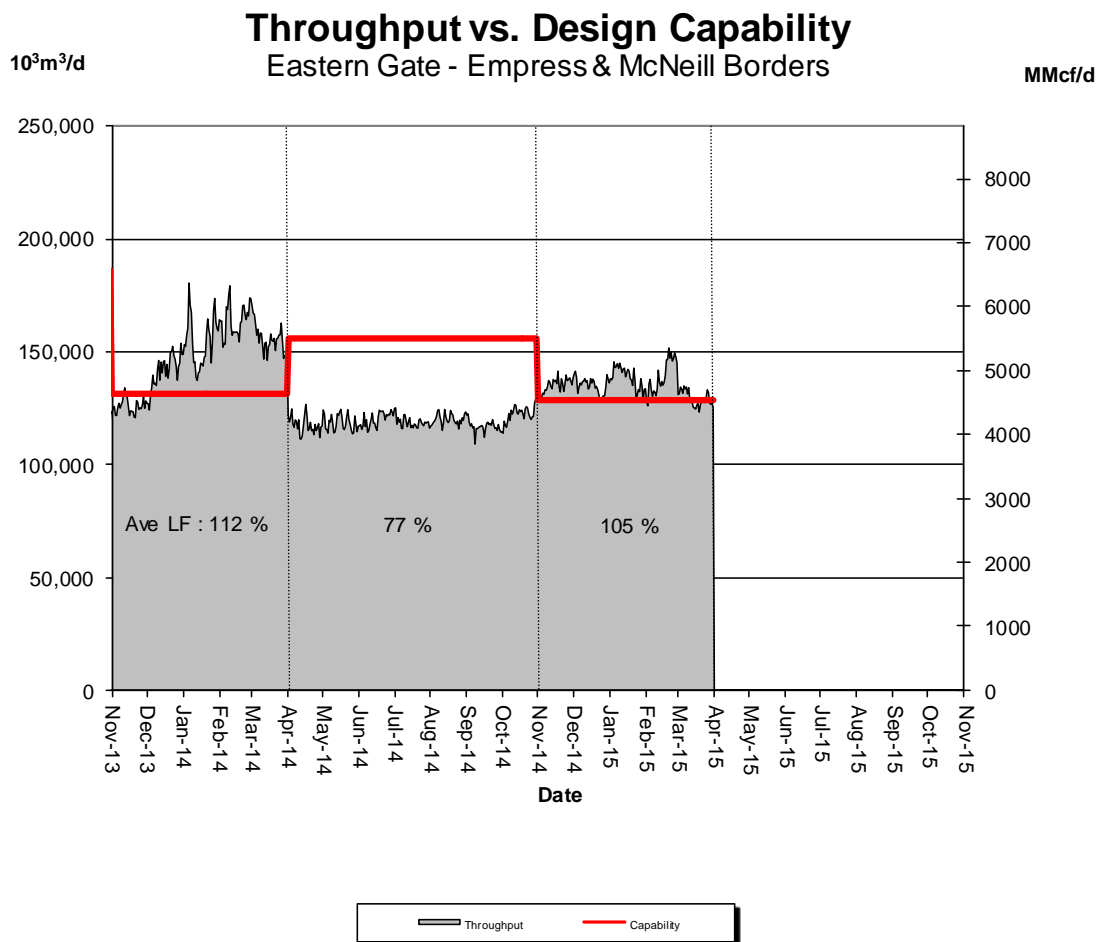
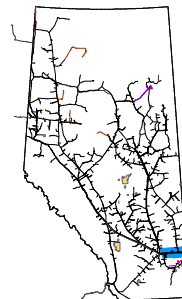
DESIGN CAPABILITY UTILIZATION

MEDICINE HAT – FLOW WITHIN



% Design Capability Utilization						
Design Capability	Oct	Nov	Dec	Jan	Feb	Mar
	58%	68%	86%	89%	89%	85%

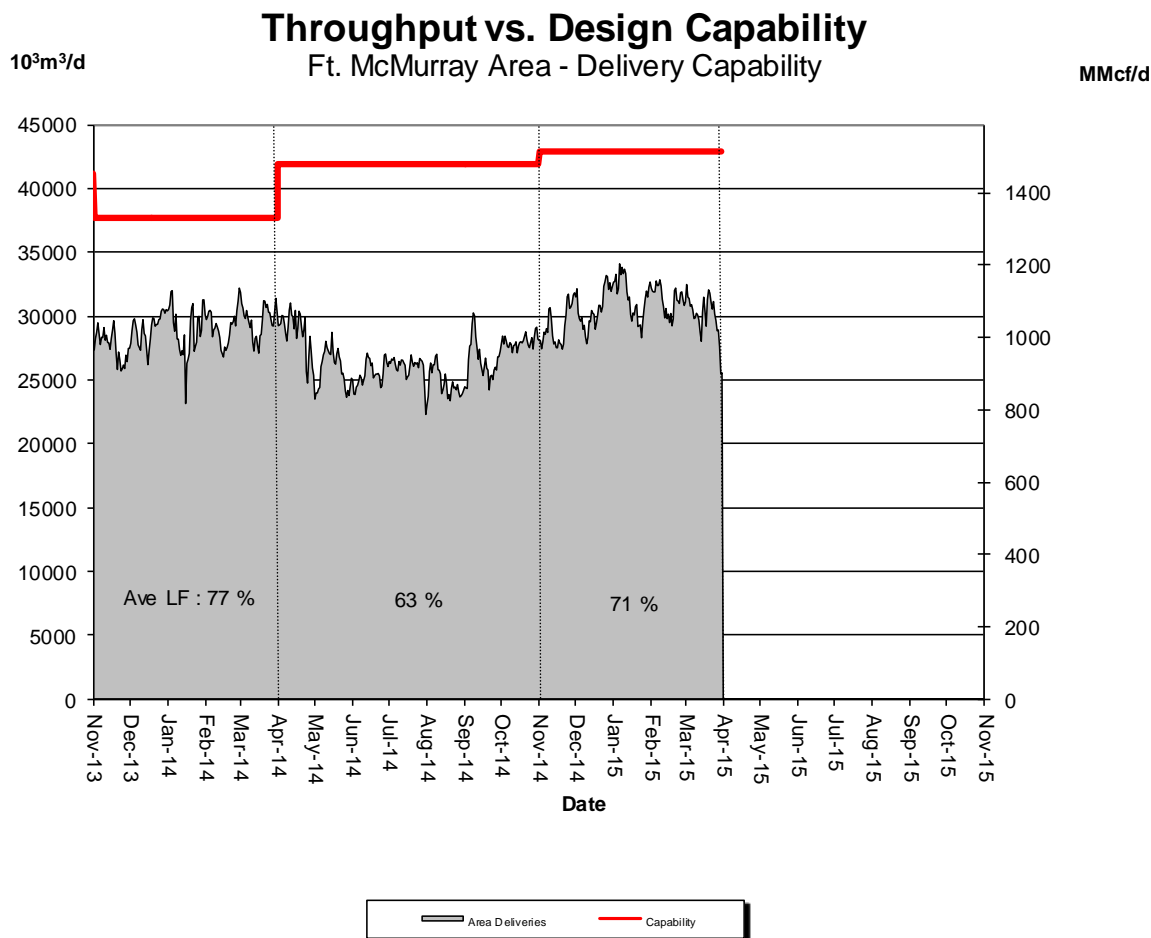
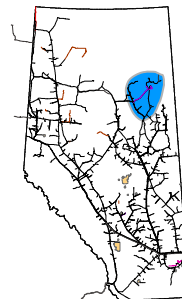
DESIGN CAPABILITY UTILIZATION EASTERN ALBERTA MAINLINE (Princess to Empress / McNeill)



% Design Capability Utilization						
Design Capability	Oct	Nov	Dec	Jan	Feb	Mar
	79%	105%	105%	108%	108%	101%

DESIGN CAPABILITY UTILIZATION

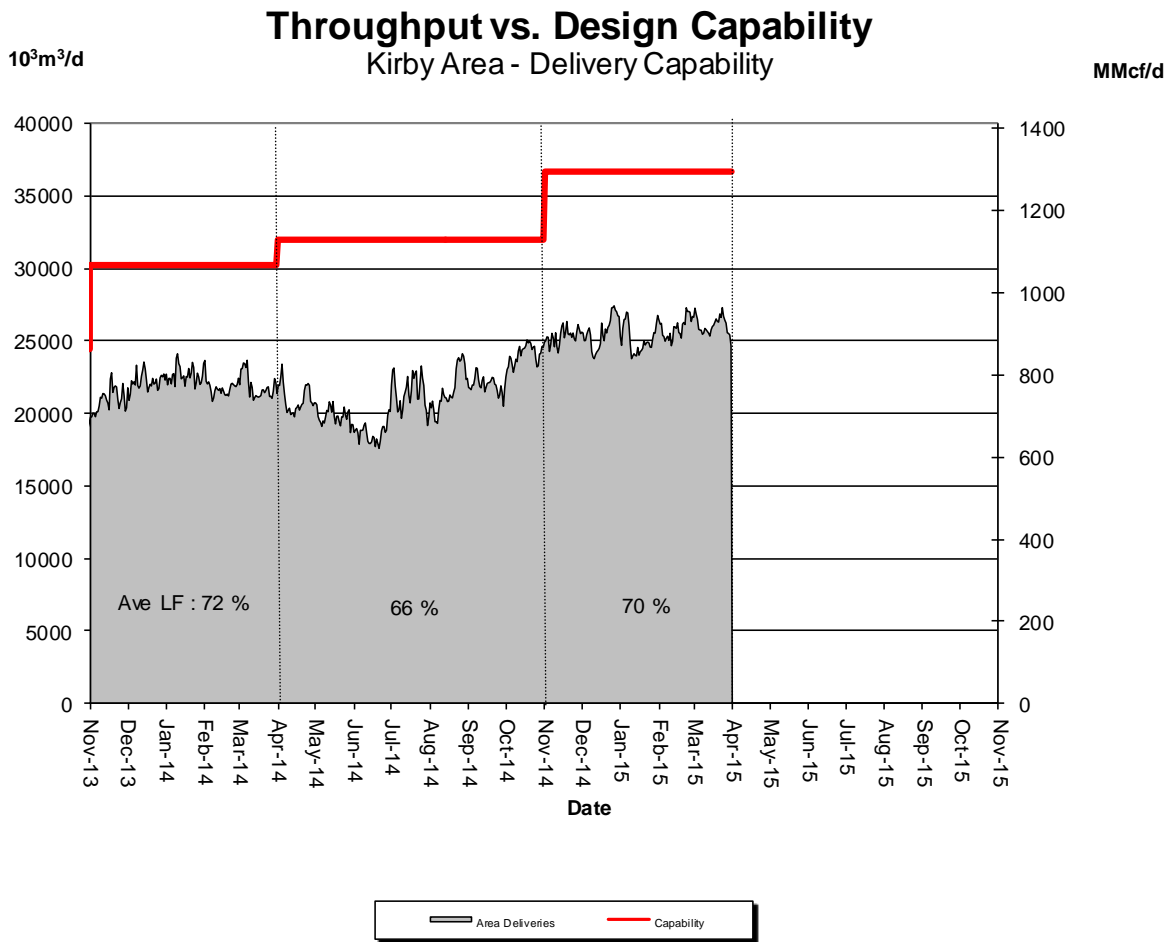
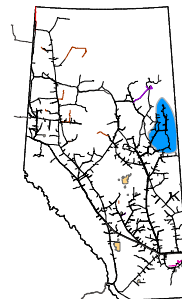
FT. McMURRAY AREA – FLOW WITHIN



% Design Capability Utilization						
Design Capability	Oct	Nov	Dec	Jan	Feb	Mar
	67%	68%	71%	73%	73%	70%

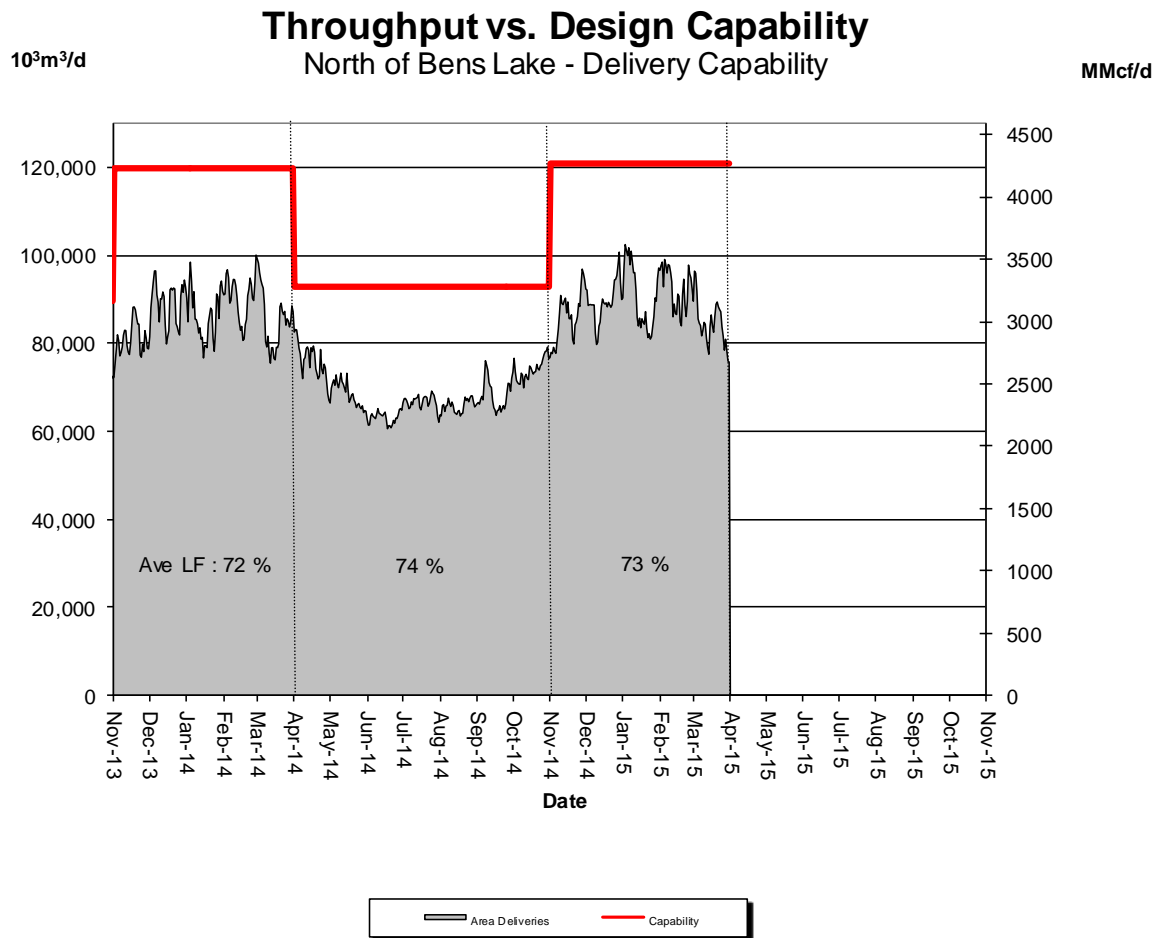
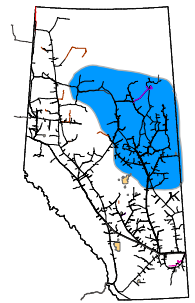
DESIGN CAPABILITY UTILIZATION

KIRBY AREA – FLOW WITHIN



% Design Capability Utilization						
Design Capability	Oct	Nov	Dec	Jan	Feb	Mar
	75%	69%	70%	68%	71%	71%

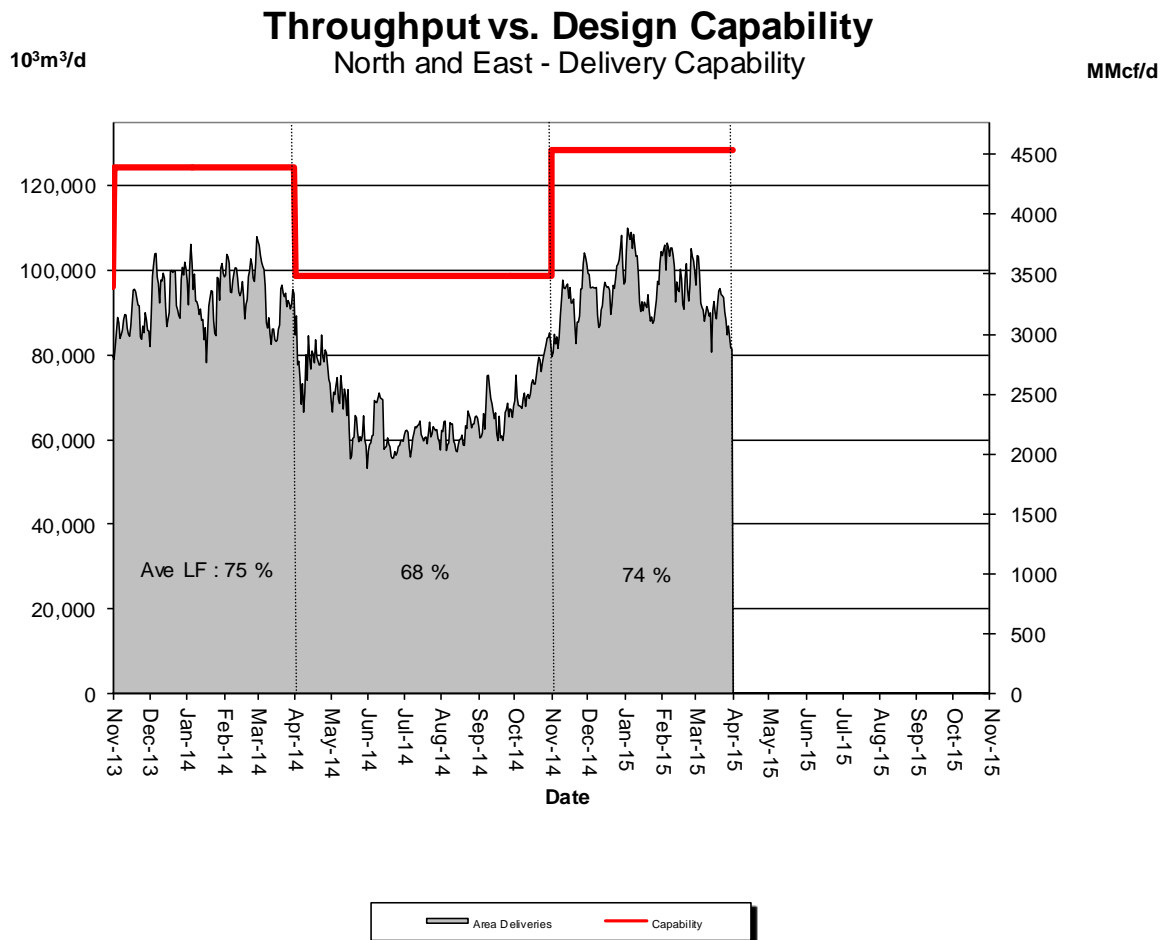
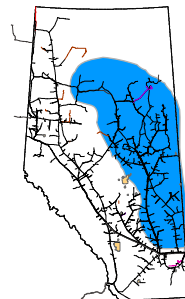
DESIGN CAPABILITY UTILIZATION NORTH OF BENS LAKE – FLOW WITHIN



% Design Capability Utilization						
Design Capability	Oct	Nov	Dec	Jan	Feb	Mar
	80%	71%	74%	75%	77%	70%

DESIGN CAPABILITY UTILIZATION

NORTH & SOUTH OF BENS LAKE – FLOW WITHIN



% Design Capability Utilization						
Design Capability	Oct	Nov	Dec	Jan	Feb	Mar
	76%	71%	75%	76%	78%	71%

FUTURE FIRM TRANSPORTATION SERVICE AVAILABILITY (MAINLINE RESTRICTIONS)

Receipt and Delivery Firm Transportation Guidelines

Firm Transportation Location	Authorize Firm Transportation Service By	To Ensure Firm Transportation Service By
Summer construction (generally south of Edmonton)	November 2014	November 2016
Winter construction (generally north of Edmonton)	November 2014	April 2017

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>

➤ If your needs for firm transportation service arise after the above dates to “Authorize Firm Transportation Service By”, NGTL will evaluate your new receipt firm transportation service or firm service transfer requests on a date-stamped basis.

Please consult with your Customer Sales Representative to discuss your Firm Transportation Service needs.

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.

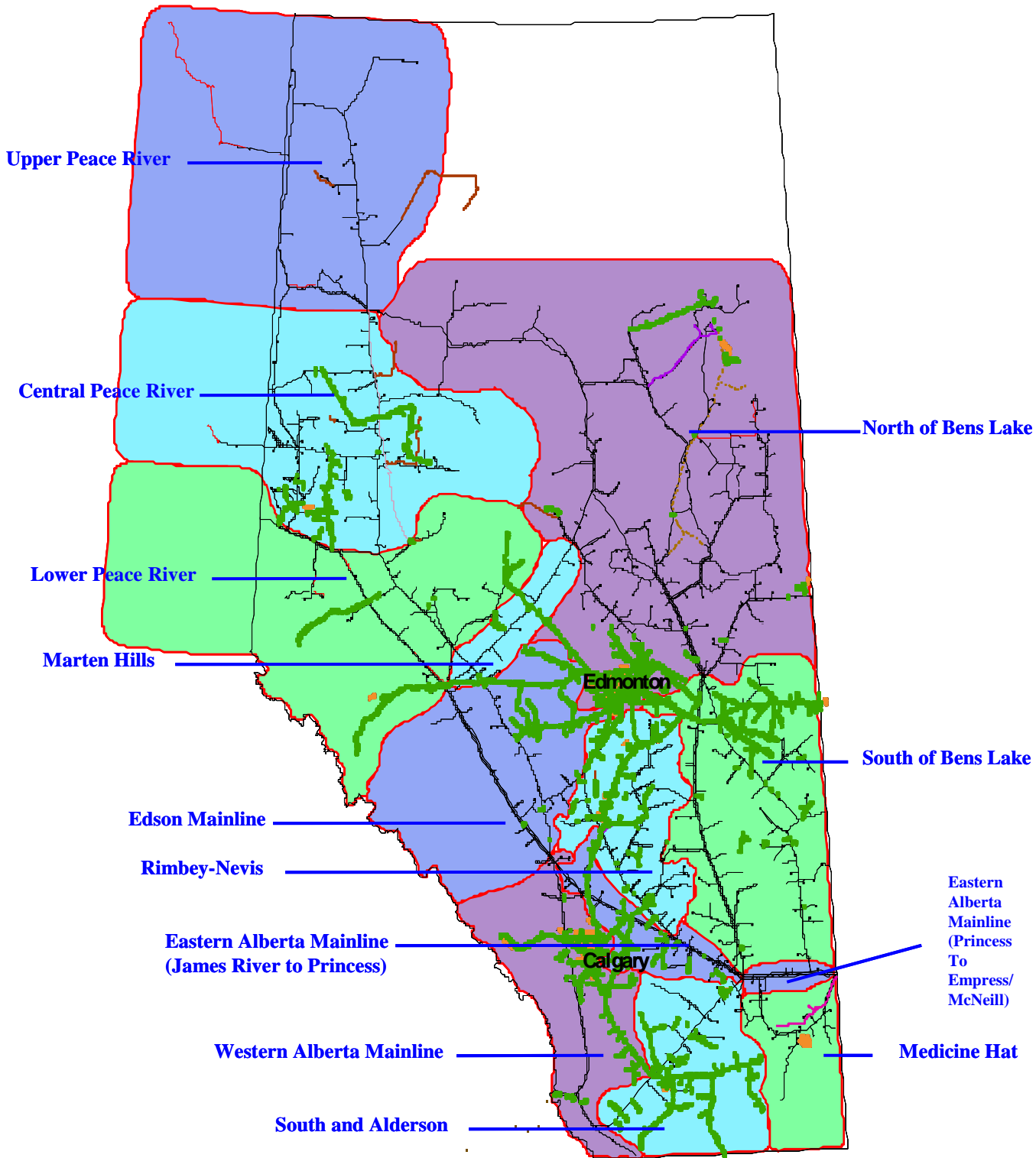
Design Flow Capability utilization is a function of several factors that include:

- 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.

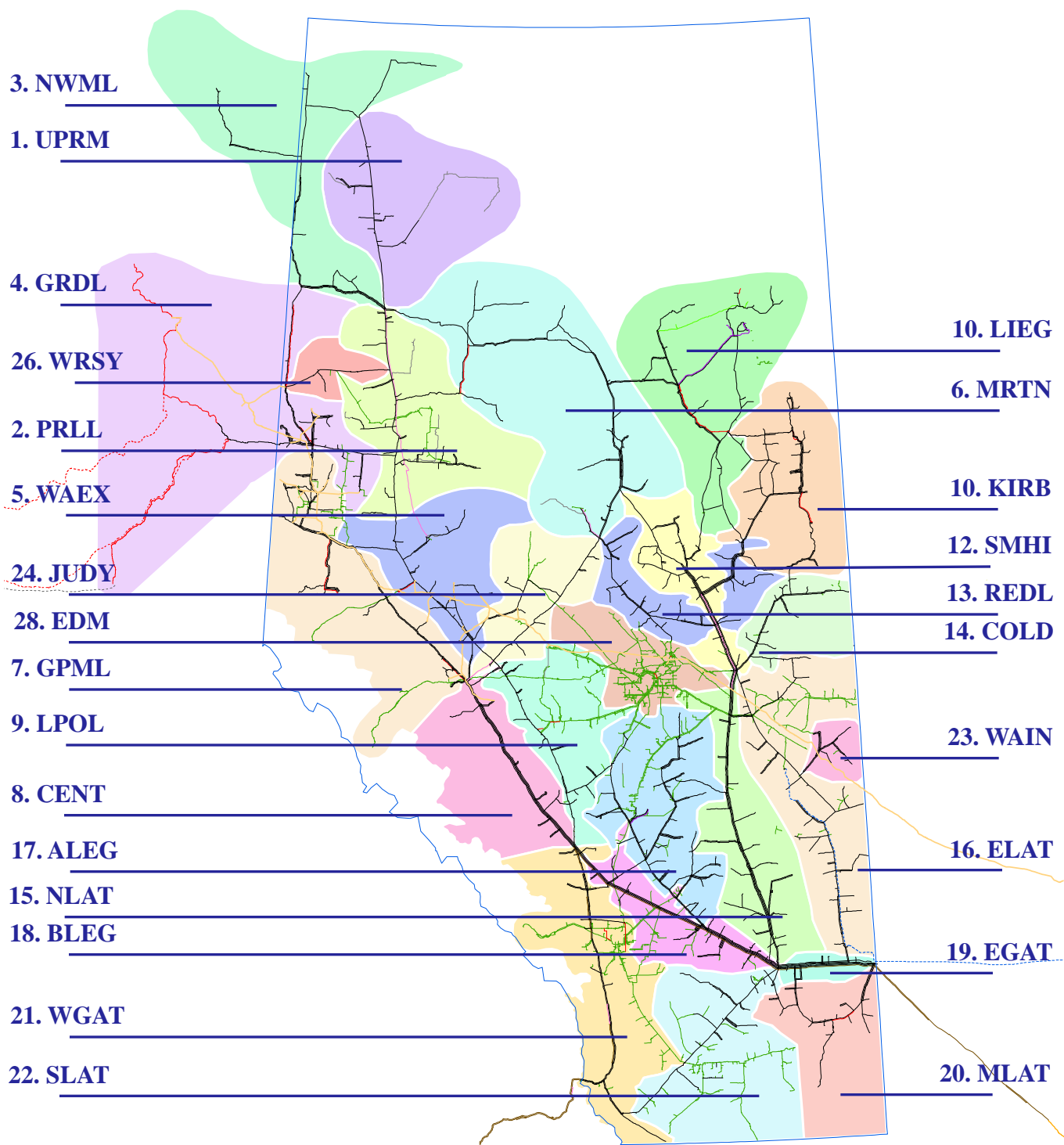
Future Firm Transportation Service Availability

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
