

SYSTEM UTILIZATION AND RELIABILITY MONTHLY REPORT

for the month ending
October 2014

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

Published date:
November 26th, 2014

Highlights This Month:

- Medicine Hat Deliveries dropped from approximately 5500 10³m³/day to 4000 10³m³/day on account of customer maintenance

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 2014

Segment	Contract	Delivery		Receipt	
		Utilization	Oct CD (TJ/d)	Utilization	Oct CD (MMcf/d)
UPRM	FT	2%	22.8	93%	56
	FT + IT ²	4%		118%	
PRLL	FT	33%	47.2	95%	96
	FT + IT	33%		118%	
NWML	FT	51%	8.1	53%	564
	FT + IT	53%		55%	
GRDL	FT	26%	9.0	80%	1,910
	FT + IT	28%		97%	
WRSY	FT	0%	0.0	85%	17
	FT + IT	0%		118%	
WAEX	FT	12%	13.7	86%	415
	FT + IT	41%		131%	
JUDY	FT	28%	32.3	91%	63
	FT + IT	35%		127%	
GPML	FT	34%	168.0	85%	3,076
	FT + IT	40%		95%	
CENT	FT	92%	1.3	90%	1,032
	FT + IT	93%		121%	
LPOL	FT	36%	76.9	91%	754
	FT + IT	46%		107%	
WGAT	FT	66%	3,394.1	90%	311
	FT + IT	69%		110%	
ALEG	FT	42%	345.7	94%	807
	FT + IT	46%		130%	
SLAT	FT	22%	179.0	91%	215
	FT + IT	23%		113%	
MLAT	FT	52%	262.8	86%	217
	FT + IT	56%		98%	
BLEG	FT	55%	138.5	94%	573
	FT + IT	56%		106%	
EGAT	FT	96%	4,316.7	90%	34
	FT + IT	108%		111%	
MRTN	FT	21%	37.6	81%	63
	FT + IT	22%		126%	
LIEG	FT	81%	1,279.8	59%	36
	FT + IT	89%		143%	
KIRB	FT	69%	1,276.1	73%	43
	FT + IT	73%		118%	
SMHI	FT	49%	12.0	90%	33
	FT + IT	49%		135%	
REDL	FT	0%	10.0	86%	41
	FT + IT	10%		114%	
COLD	FT	38%	119.5	93%	17
	FT + IT	57%		139%	
EDM	FT	36%	1,746.5	89%	48
	FT + IT	37%		127%	
NLAT	FT	19%	15.9	95%	124
	FT + IT	19%		136%	
WAIN	FT	15%	0.4	73%	6
	FT + IT	15%		195%	
ELAT	FT	66%	268.9	93%	118
	FT + IT	67%		144%	
TOTAL SYSTEM	FT	70%	13,782.8	85%	10,670
	FT + IT	77%		105%	

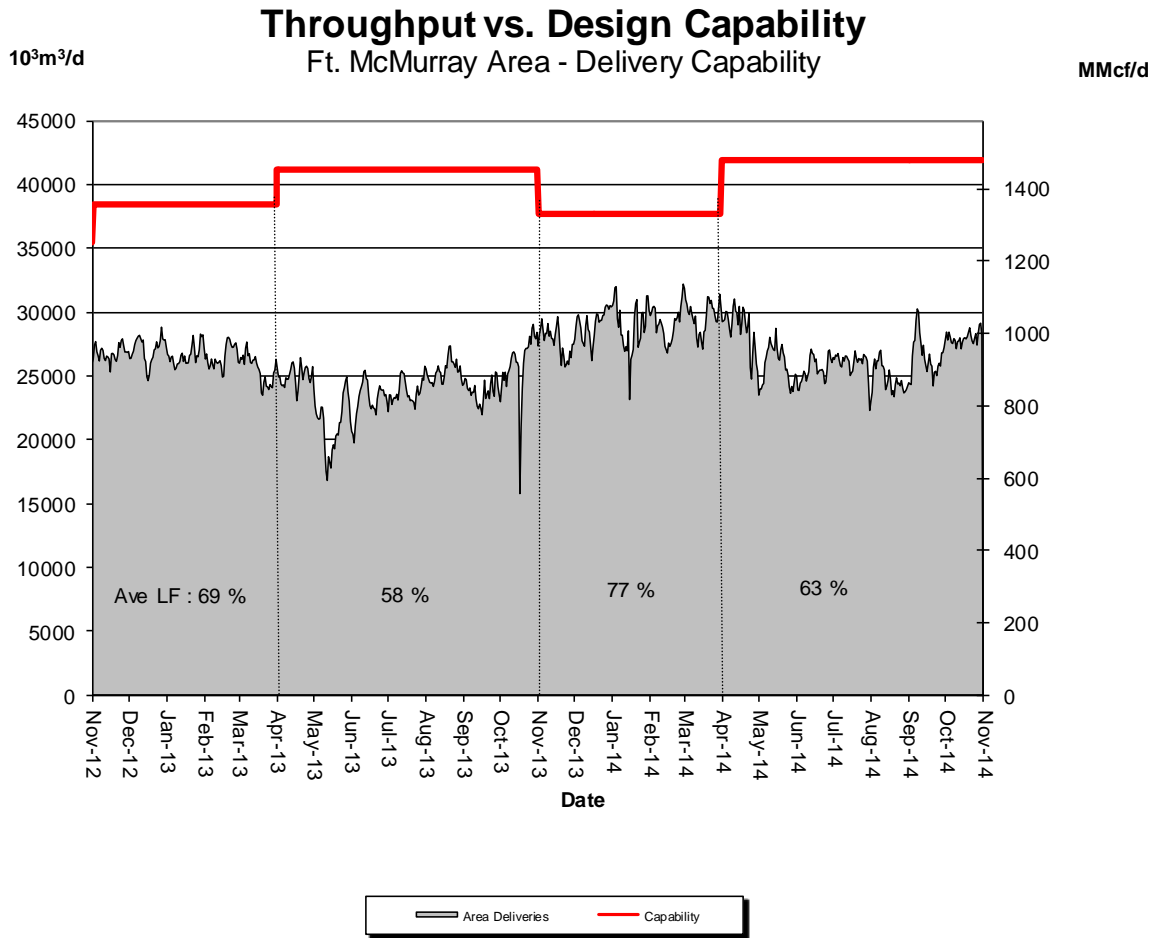
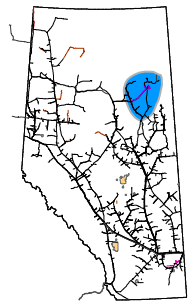
*NOTE:

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.

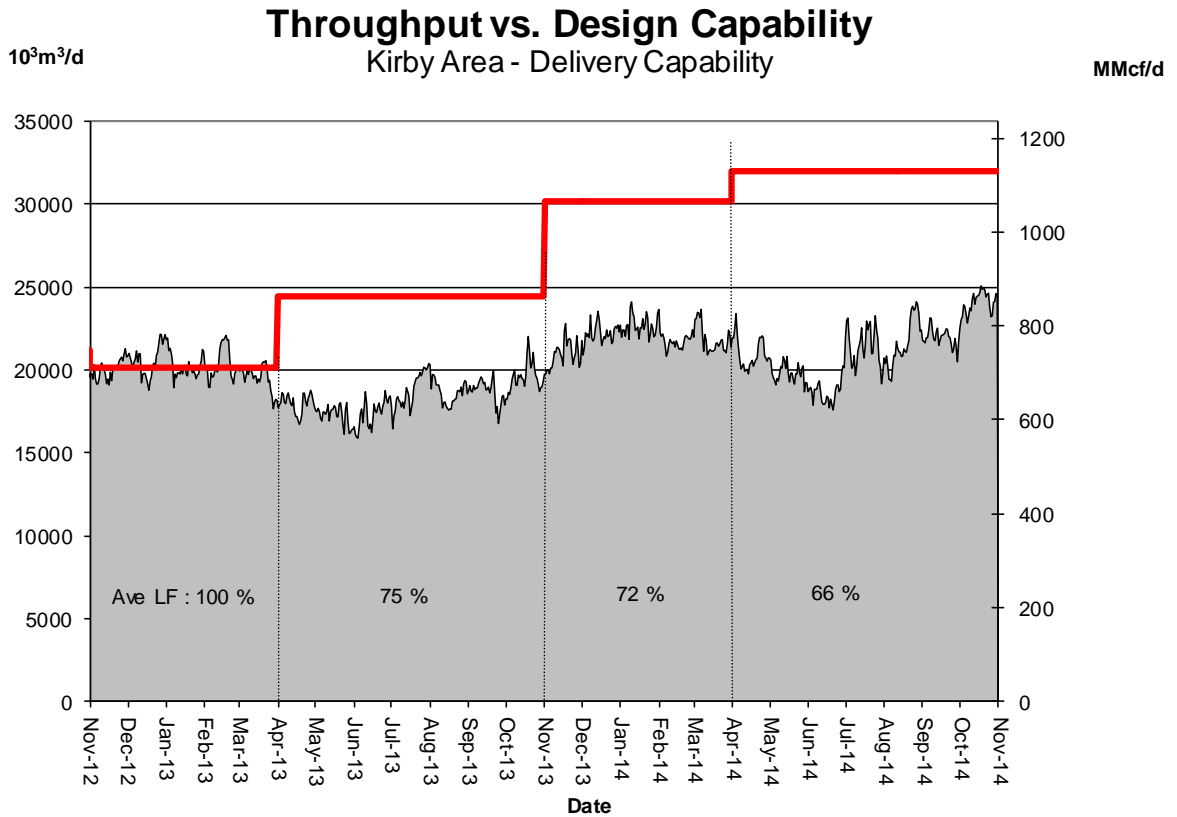
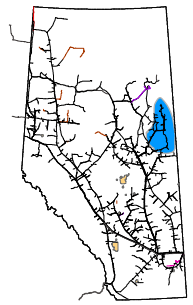
3. Utilization data is based on billed monthly volumes. Percent utilization calculated as FT and FT + IT billed volumes divided by applicable receipt or delivery Contract level.

DESIGN CAPABILITY UTILIZATION FT. McMURRAY AREA – FLOW WITHIN



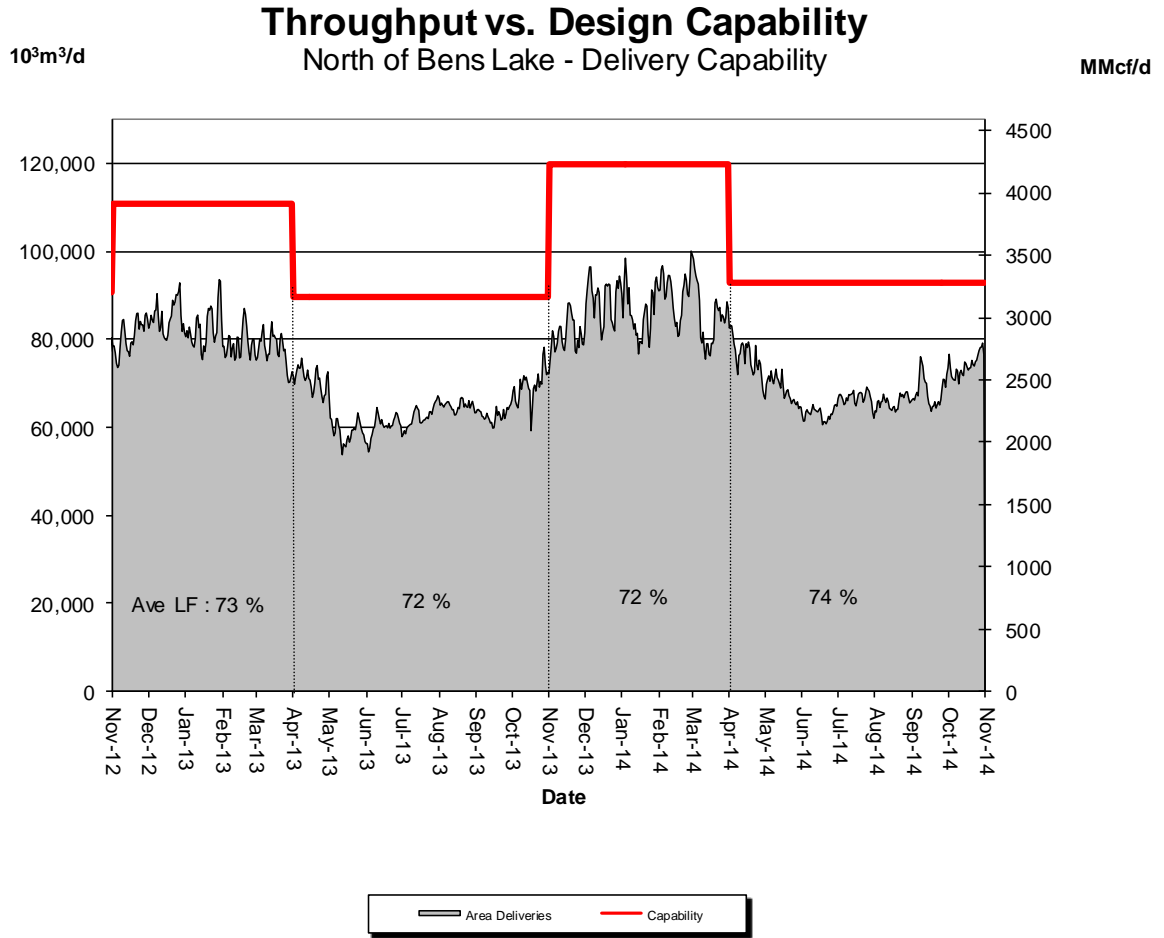
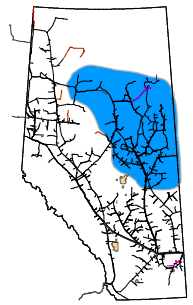
% Design Capability Utilization						
Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	May	Jun	Jul	Aug	Sep	Oct
	62%	61%	62%	59%	63%	67%

DESIGN CAPABILITY UTILIZATION KIRBY AREA – FLOW WITHIN



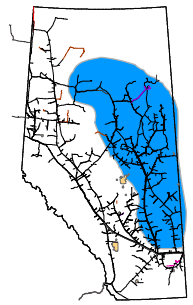
% Design Capability Utilization						
Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	May	Jun	Jul	Aug	Sep	Oct
	62%	58%	67%	68%	69%	75%

DESIGN CAPABILITY UTILIZATION NORTH OF BENS LAKE – FLOW WITHIN

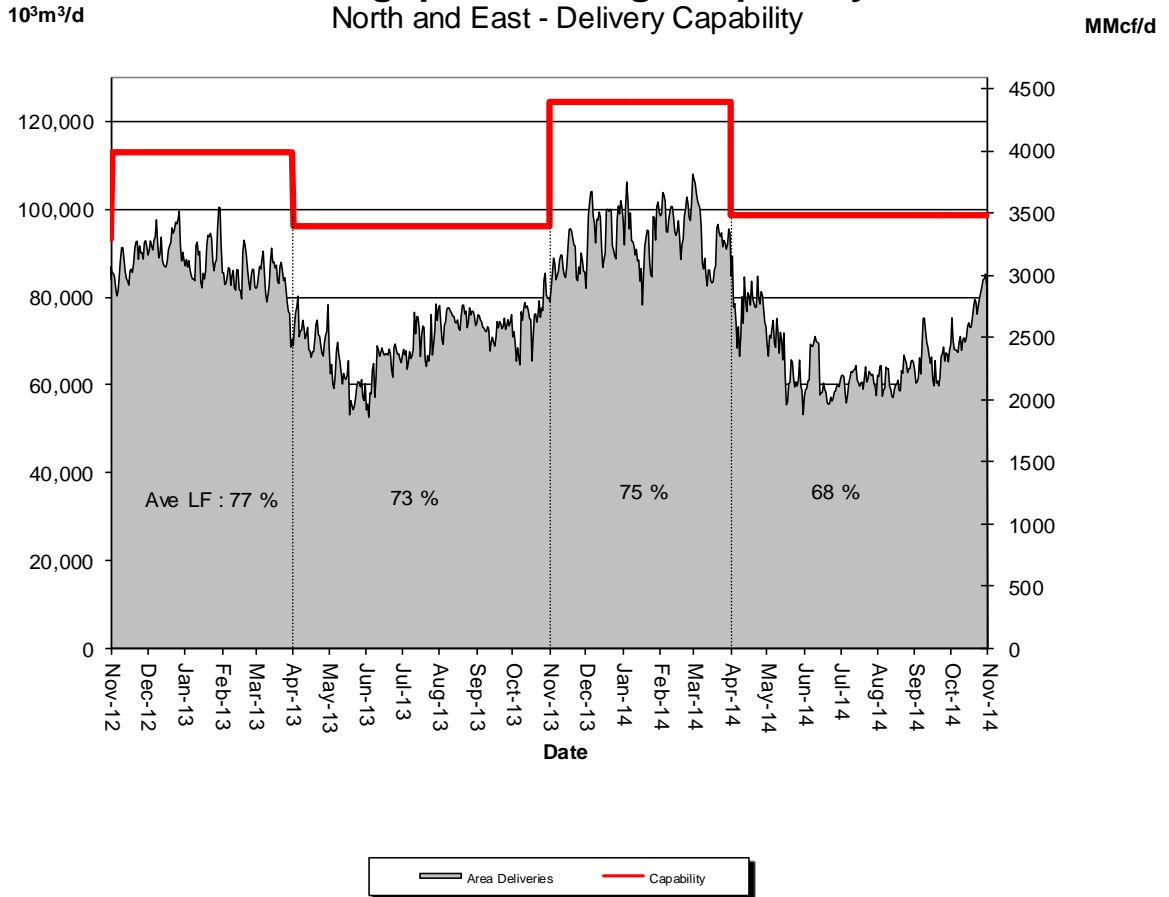


% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	May	Jun	Jul	Aug	Sep	Oct
	74%	68%	72%	71%	73%	80%

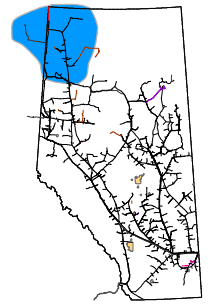
DESIGN CAPABILITY UTILIZATION NORTH & SOUTH OF BENS LAKE – FLOW WITHIN



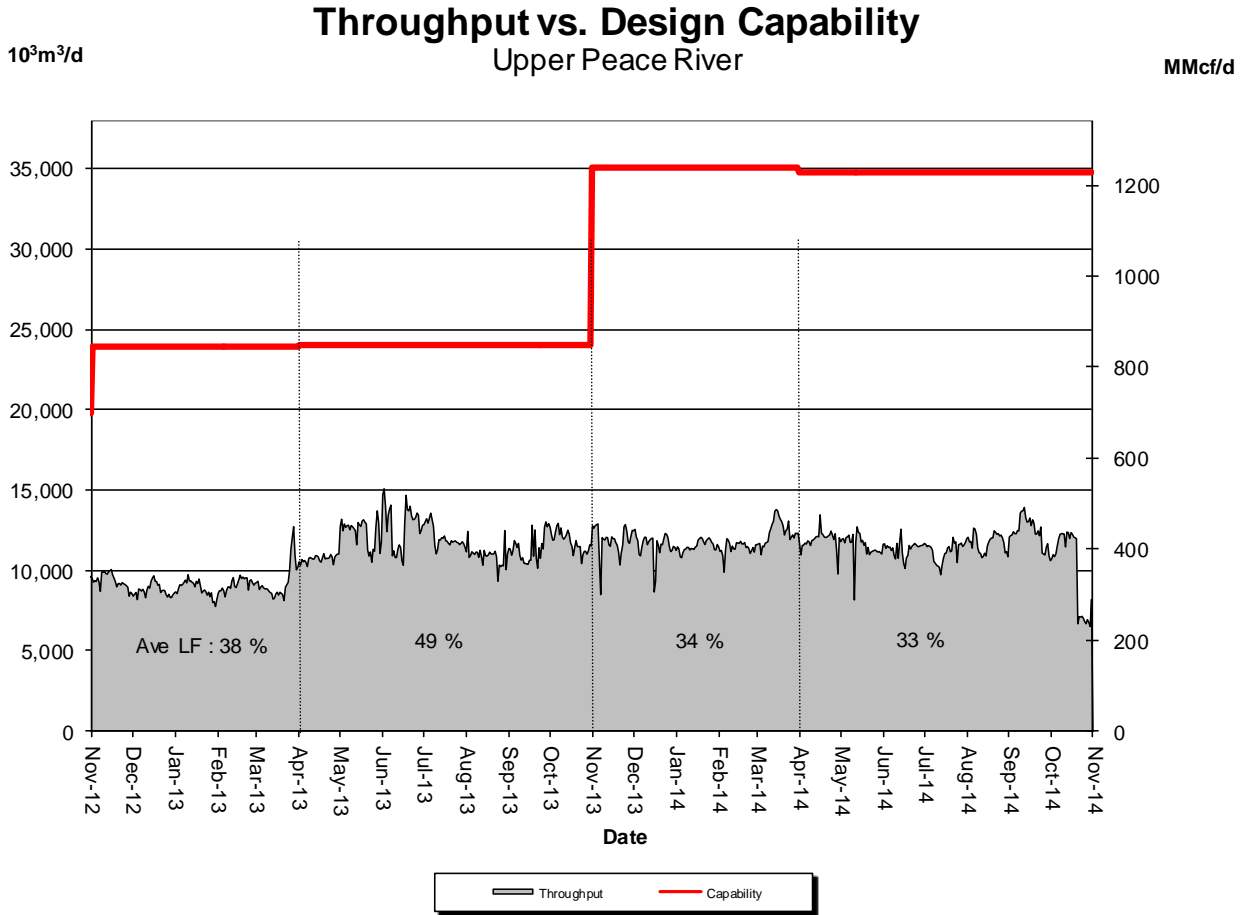
Throughput vs. Design Capability



% Design Capability Utilization						
Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	May	Jun	Jul	Aug	Sep	Oct
	66%	62%	62%	63%	66%	76%

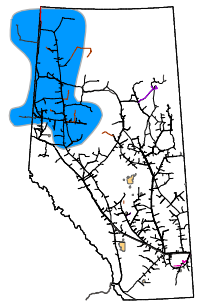


DESIGN CAPABILITY UTILIZATION UPPER PEACE RIVER

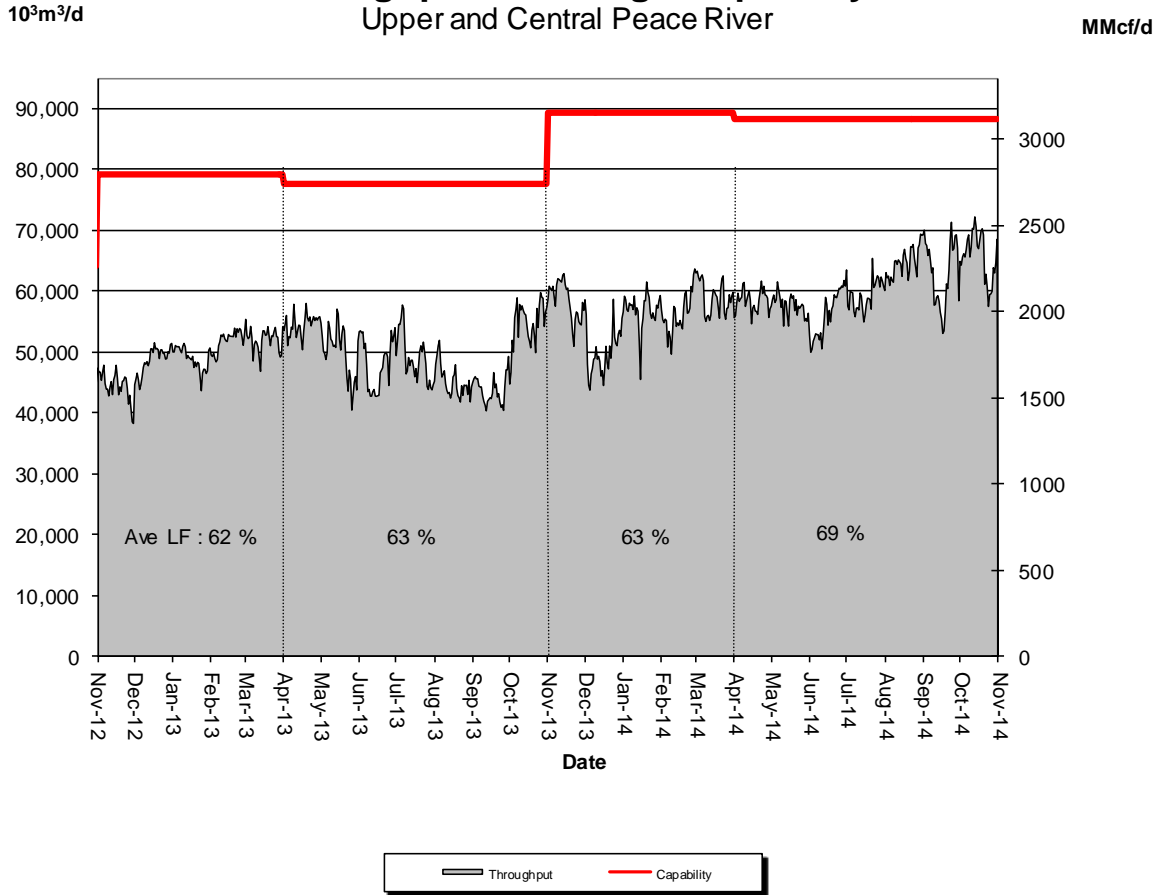


% Design Capability Utilization						
Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	May	Jun	Jul	Aug	Sep	Oct
	33%	33%	32%	34%	36%	29%

DESIGN CAPABILITY UTILIZATION UPPER and CENTRAL PEACE RIVER

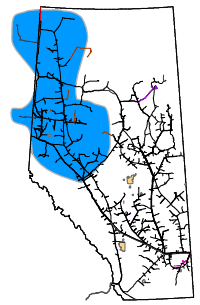


Throughput vs. Design Capability Upper and Central Peace River

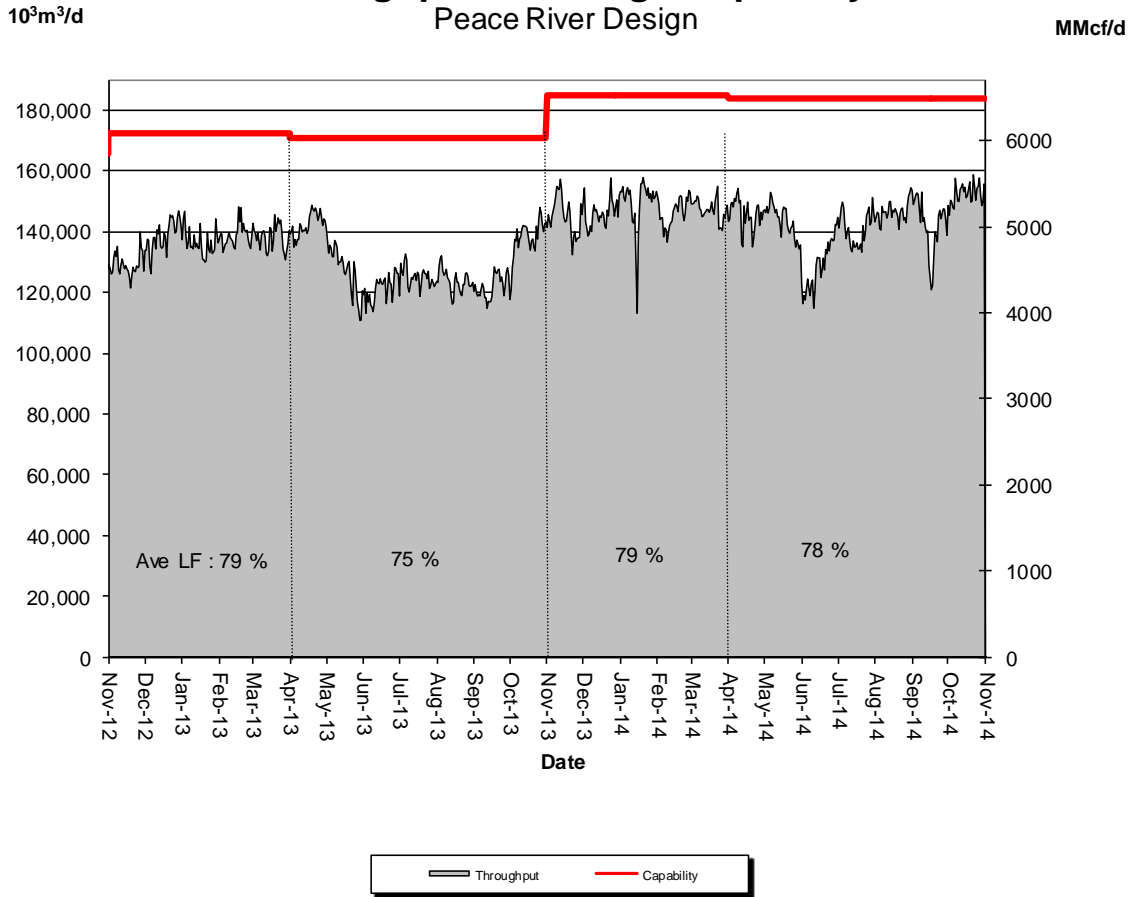


% Design Capability Utilization						
Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	May	Jun	Jul	Aug	Sep	Oct
	65%	63%	67%	73%	71%	75%

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



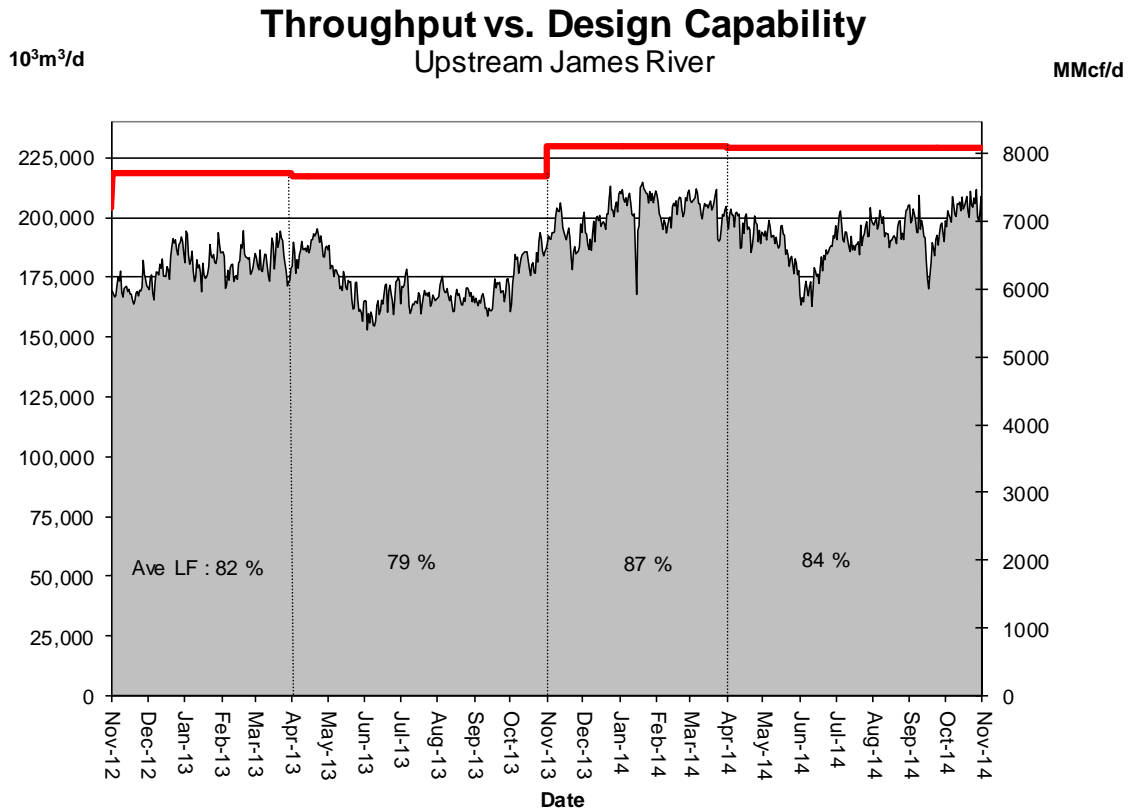
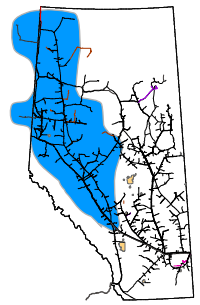
Throughput vs. Design Capability Peace River Design



% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	May	Jun	Jul	Aug	Sep	Oct
	78%	70%	76%	80%	77%	83%

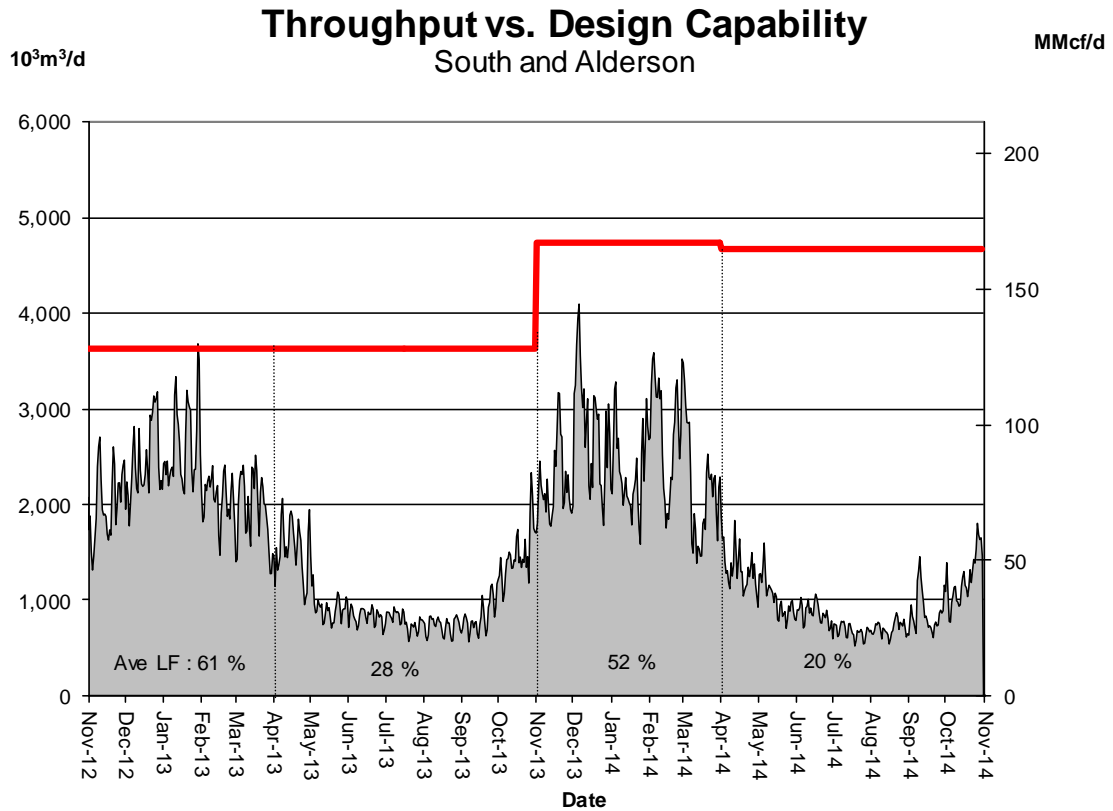
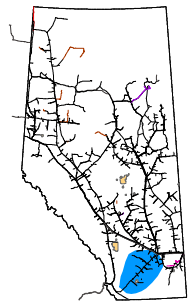
DESIGN CAPABILITY UTILIZATION UPSTREAM JAMES RIVER

(Edson Mainline, Peace River Design and Marten Hills)



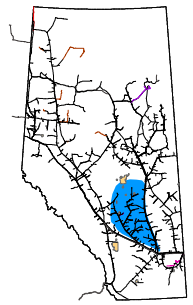
% Design Capability Utilization						
Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	May	Jun	Jul	Aug	Sep	Oct
	82%	77%	84%	85%	84%	89%

DESIGN CAPABILITY UTILIZATION SOUTH and ALDERSON – FLOW WITHIN



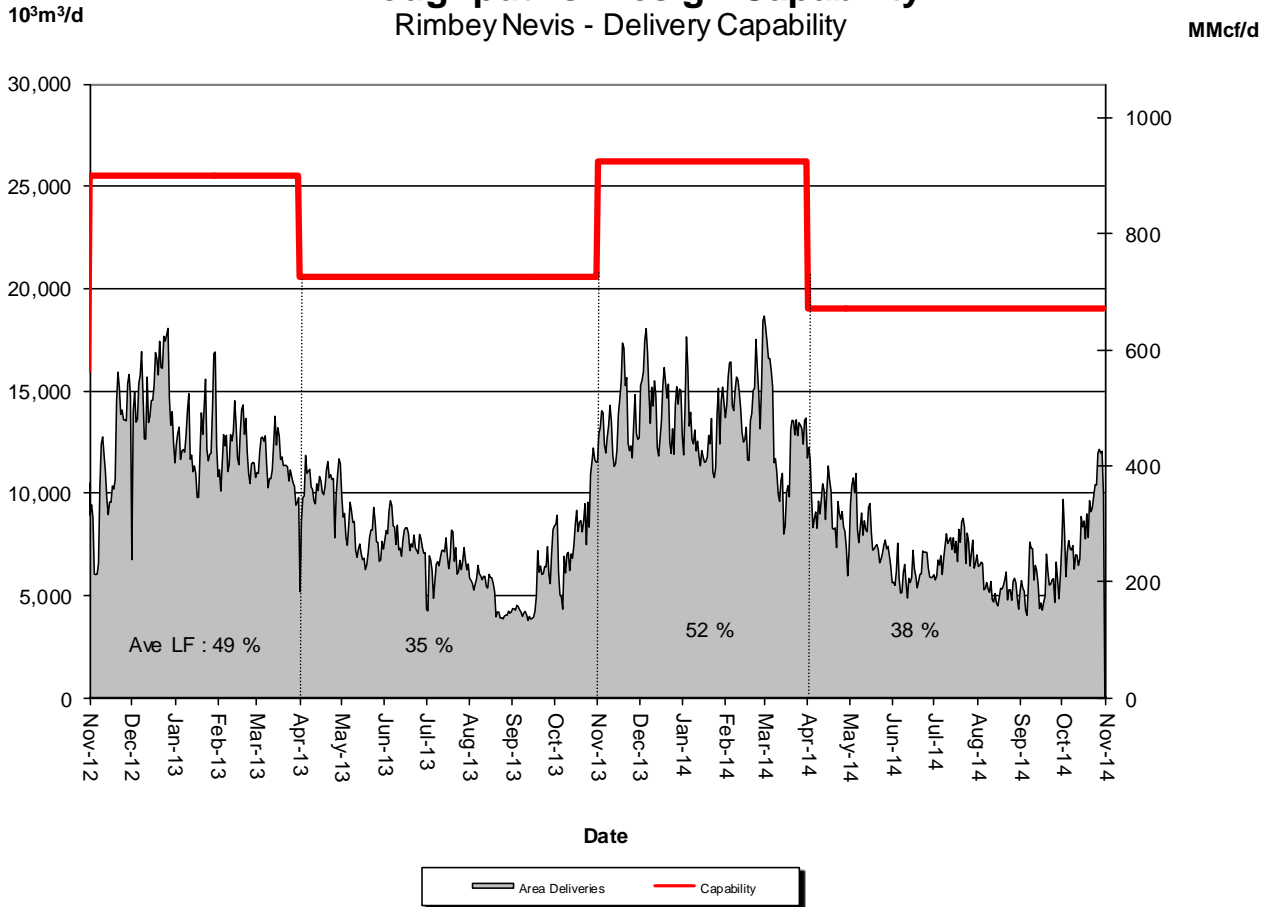
% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	May	Jun	Jul	Aug	Sep	Oct
	22%	19%	14%	15%	19%	26%

DESIGN CAPABILITY UTILIZATION RIMBEY-NEVIS – FLOW WITHIN



Throughput vs. Design Capability

Rimbey Nevis - Delivery Capability

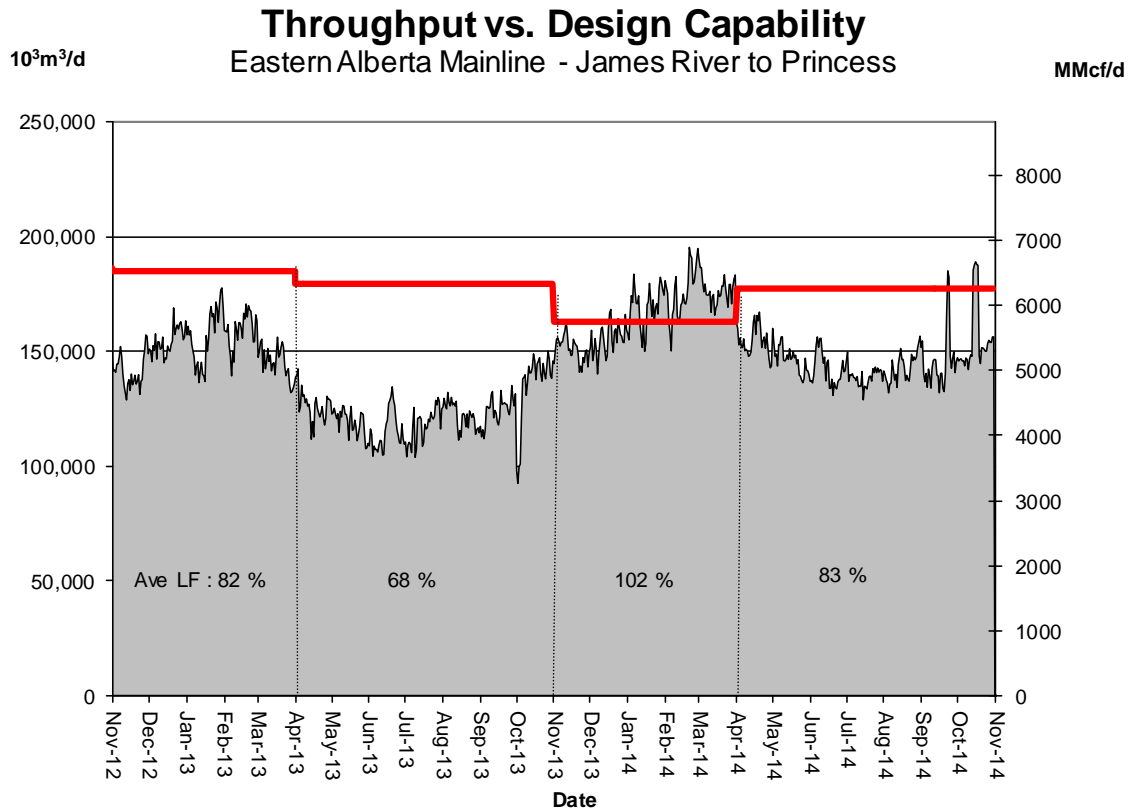
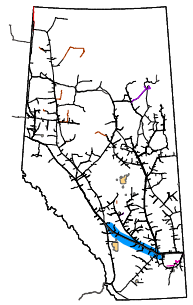


% Design Capability Utilization

Monthly Average Area Deliveries as a Percentage of Design Capability

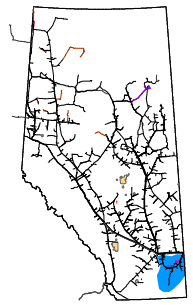
Average Flow/ Design Capability	May	Jun	Jul	Aug	Sep	Oct
	43%	32%	38%	29%	29%	46%

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



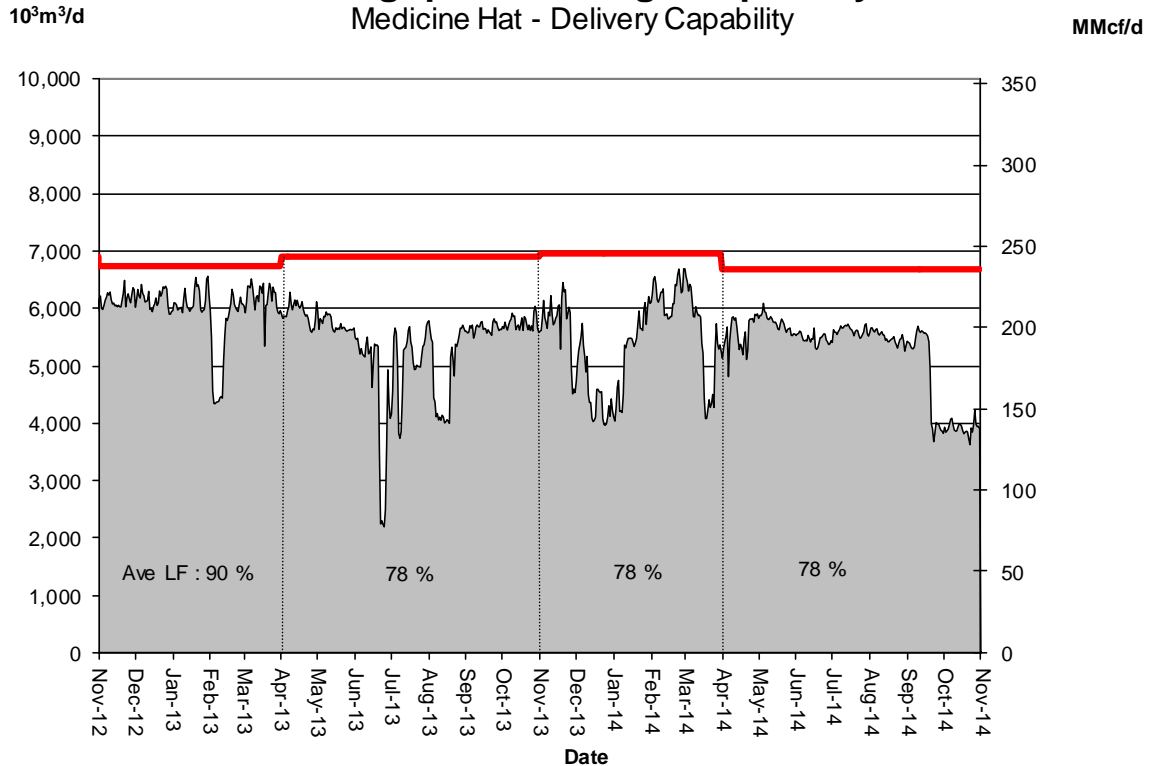
% Design Capability Utilization						
Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	May	Jun	Jul	Aug	Sep	Oct
	83%	80%	78%	81%	82%	88%

DESIGN CAPABILITY UTILIZATION MEDICINE HAT – FLOW WITHIN



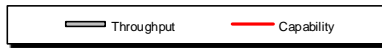
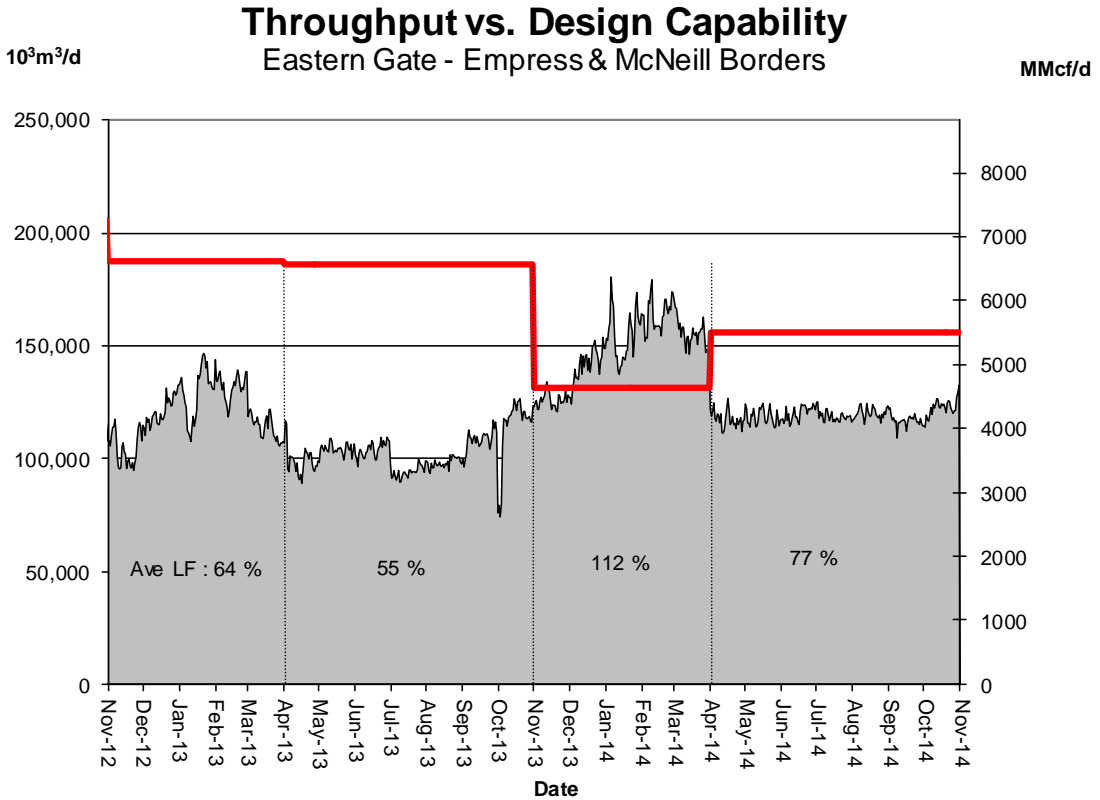
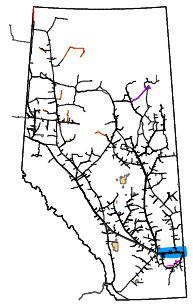
Throughput vs. Design Capability

Medicine Hat - Delivery Capability



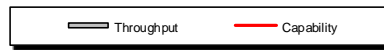
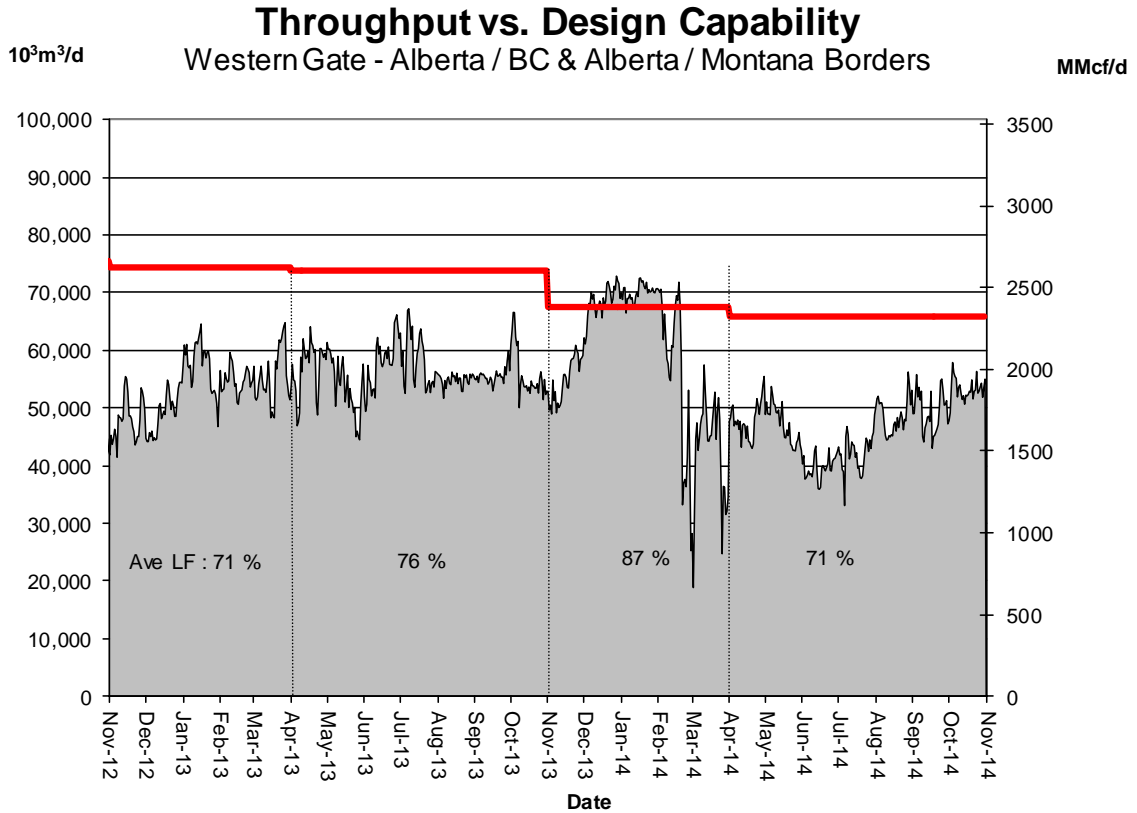
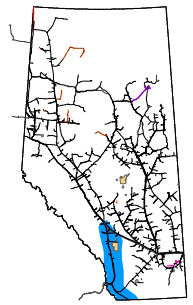
% Design Capability Utilization						
Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	May	Jun	Jul	Aug	Sep	Oct
	86%	82%	84%	82%	74%	58%

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



% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	May	Jun	Jul	Aug	Sep	Oct
	76%	77%	76%	77%	75%	79%

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



% Design Capability Utilization						
Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	May	Jun	Jul	Aug	Sep	Oct
	71%	60%	64%	74%	75%	81%

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, and the availability of transportation services as an indication of system reliability.

Data is reported either by *Pipeline Segment* (26 on the system) or *Design Area* (13 on 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 dominant 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.

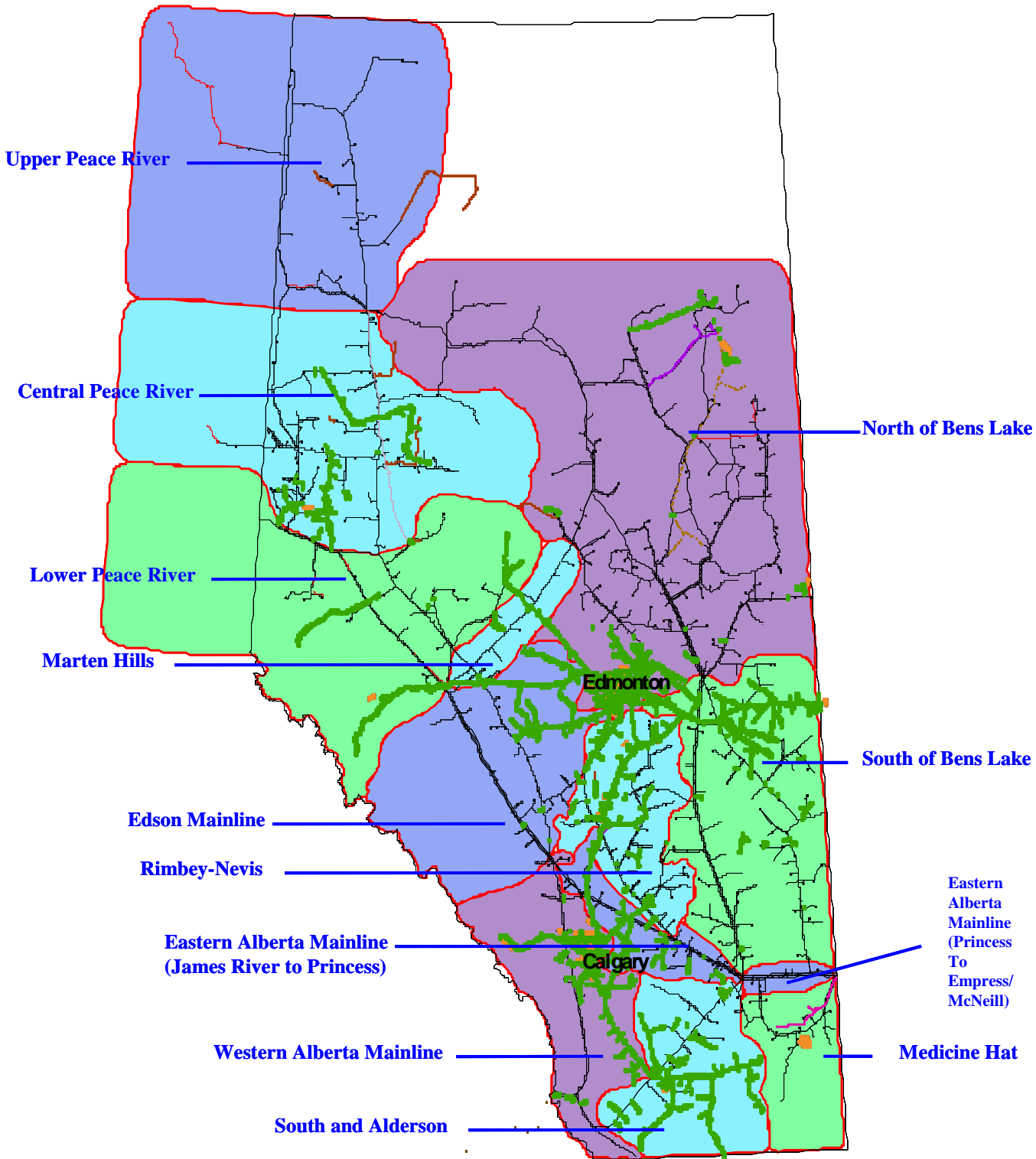
Design Flow Capability utilization is a function of several factors that include:

- 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.
- Effect of scheduled maintenance on 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

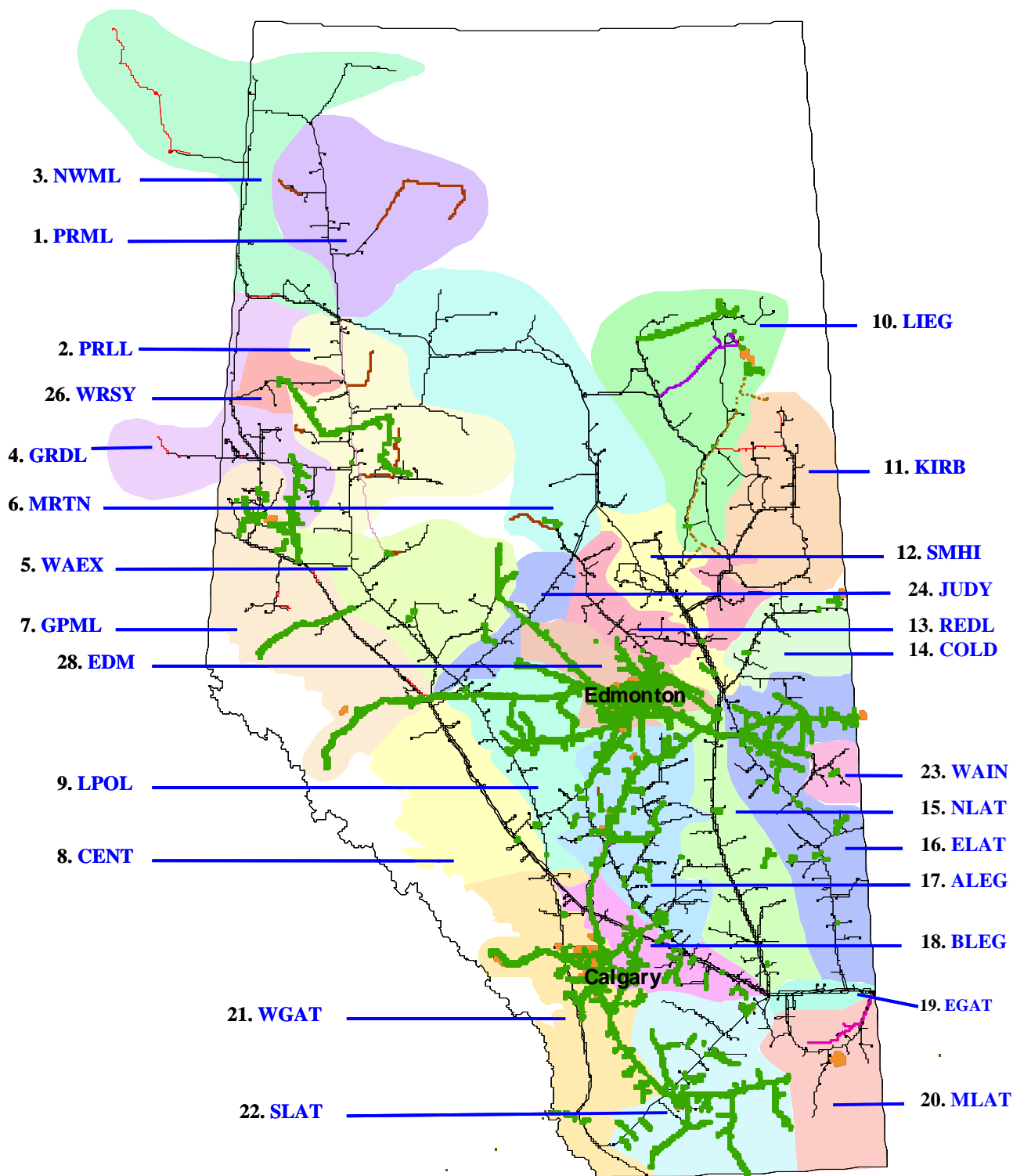
The Future Firm Transportation Service Availability report presents guidelines and timing for all future firm transportation service requests.

NGTL Design Areas



(Last updated Nov 2011)

NGTL Pipeline Segments



(Last updated Nov 2011)

DEFINITION OF TERMS

Design Capability Utilization

Actual Flow

The amount of gas flowing within or out of our design area.

Design Capability

The volume of gas that can be transported at various points on the pipeline system considering 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.

Historical Transportation Service Availability

Average % CD Restricted

The average percentage of the entire segment receipt contract demand restricted during periods of restriction.

Firm Service Available

The percentage of time that all requested firm transportation service requests were transported within a segment.

Firm Service Restriction

Percentage of time firm service is restricted.

Interruptible Service Available

The percentage of time that interruptible service requests were transported.

Max % CD Restricted

The maximum percentage to which the entire segment contract demand was restricted.

Other

System Load Factor

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