

SYSTEM UTILIZATION AND RELIABILITY MONTHLY REPORT

for the month ending
April 2014

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

Published date:
June 17th, 2014

Highlights This Month:

- Design capabilities are based on assumptions regarding storage, ambient air and ground temperatures, flow distribution, design area boundary conditions, and local area supply and deliveries. Actual flows on the Eastern Alberta Mainline and the Eastern and Western Gates may exceed the design capability due to flow conditions that deviate from these assumptions.

NOVA Gas Transmission Ltd.

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FIRM TRANSPORTATION SERVICE¹ CONTRACT UTILIZATION³
By NGTL Pipeline Segments
April 2014

Segment	Delivery			Receipt	
	Contract	Utilization	Apr CD (TJ/d)	Utilization	Apr CD (MMcf/d)
UPRM	FT	3%	23.0	98%	55
	FT + IT ²	7%		126%	
PRL	FT	36%	47.0	93%	105
	FT + IT	36%		108%	
NWML	FT	13%	8.0	61%	578
	FT + IT	13%		64%	
GRDL	FT	17%	9.0	75%	1,840
	FT + IT	17%		83%	
WRSY	FT	0%	0.0	91%	17
	FT + IT	0%		122%	
WAEX	FT	16%	13.7	87%	355
	FT + IT	44%		121%	
JUDY	FT	34%	33.8	87%	68
	FT + IT	35%		119%	
GPML	FT	32%	168.3	89%	2,948
	FT + IT	36%		102%	
CENT	FT	87%	1.3	92%	907
	FT + IT	87%		125%	
LPOL	FT	31%	76.9	96%	621
	FT + IT	40%		128%	
WGAT	FT	61%	3,449.5	99%	328
	FT + IT	63%		125%	
ALEG	FT	45%	341.9	96%	794
	FT + IT	48%		125%	
SLAT	FT	25%	179.0	95%	212
	FT + IT	25%		119%	
MLAT	FT	72%	262.8	76%	197
	FT + IT	80%		95%	
BLEG	FT	14%	138.5	94%	582
	FT + IT	15%		107%	
EGAT	FT	92%	4,516.1	75%	35
	FT + IT	100%		99%	
MRTN	FT	17%	36.4	81%	64
	FT + IT	22%		124%	
LIEG	FT	84%	1,226.4	46%	31
	FT + IT	95%		183%	
KIRB	FT	71%	1,119.2	71%	37
	FT + IT	73%		140%	
SMHI	FT	56%	12.0	86%	33
	FT + IT	56%		139%	
REDL	FT	42%	10.0	89%	42
	FT + IT	55%		111%	
COLD	FT	55%	88.6	85%	20
	FT + IT	96%		124%	
EDM	FT	43%	1,746.7	93%	57
	FT + IT	44%		126%	
NLAT	FT	25%	15.9	95%	126
	FT + IT	25%		135%	
WAIN	FT	21%	0.4	76%	7
	FT + IT	21%		174%	
ELAT	FT	78%	268.9	95%	115
	FT + IT	78%		146%	
TOTAL SYSTEM	FT	70%	13,793.4	87%	10,176
	FT + IT	75%		106%	

*NOTE:

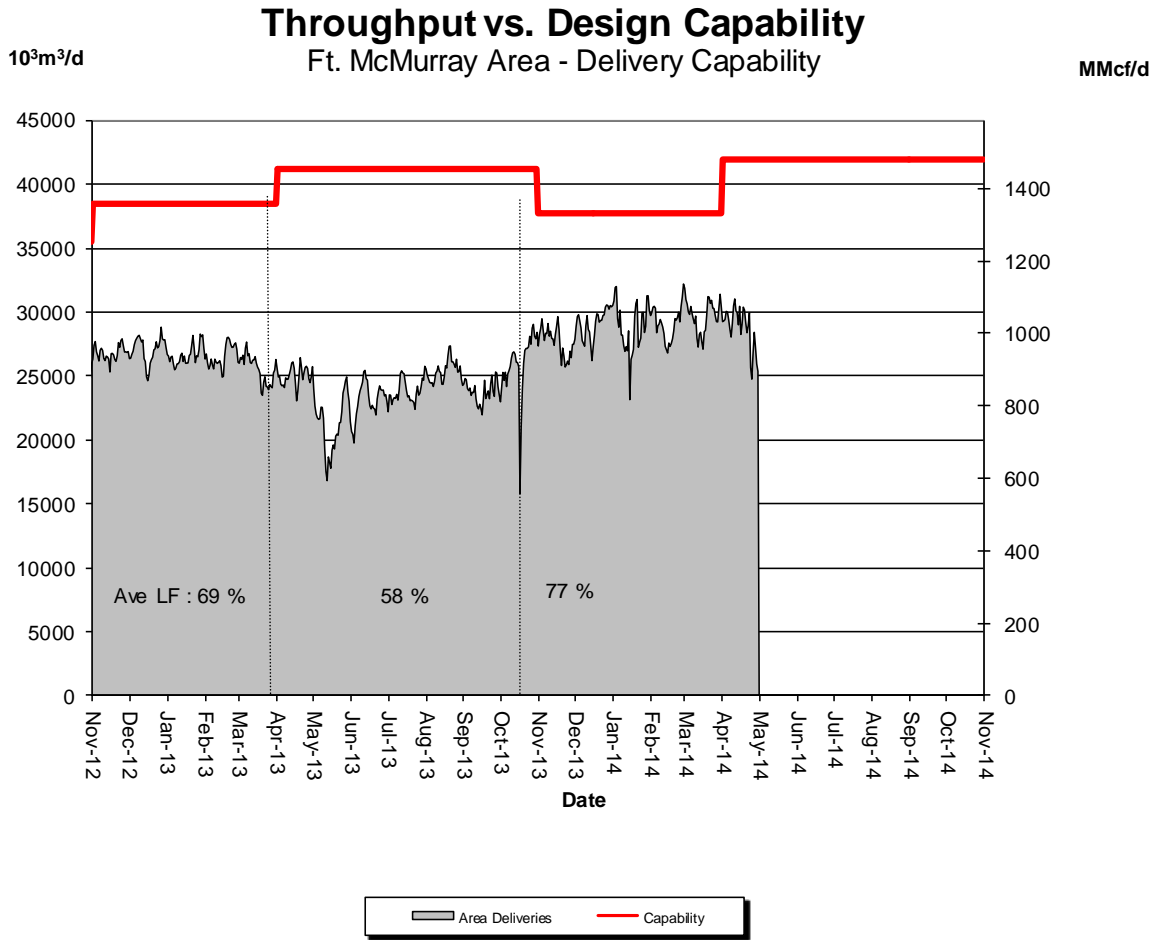
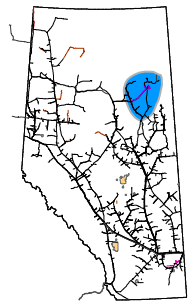
1. FT includes all receipt and delivery Firm Transportation Services: FTR, FTRN, LRS, FTD1, FTD2, FTD3 and FTP.

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

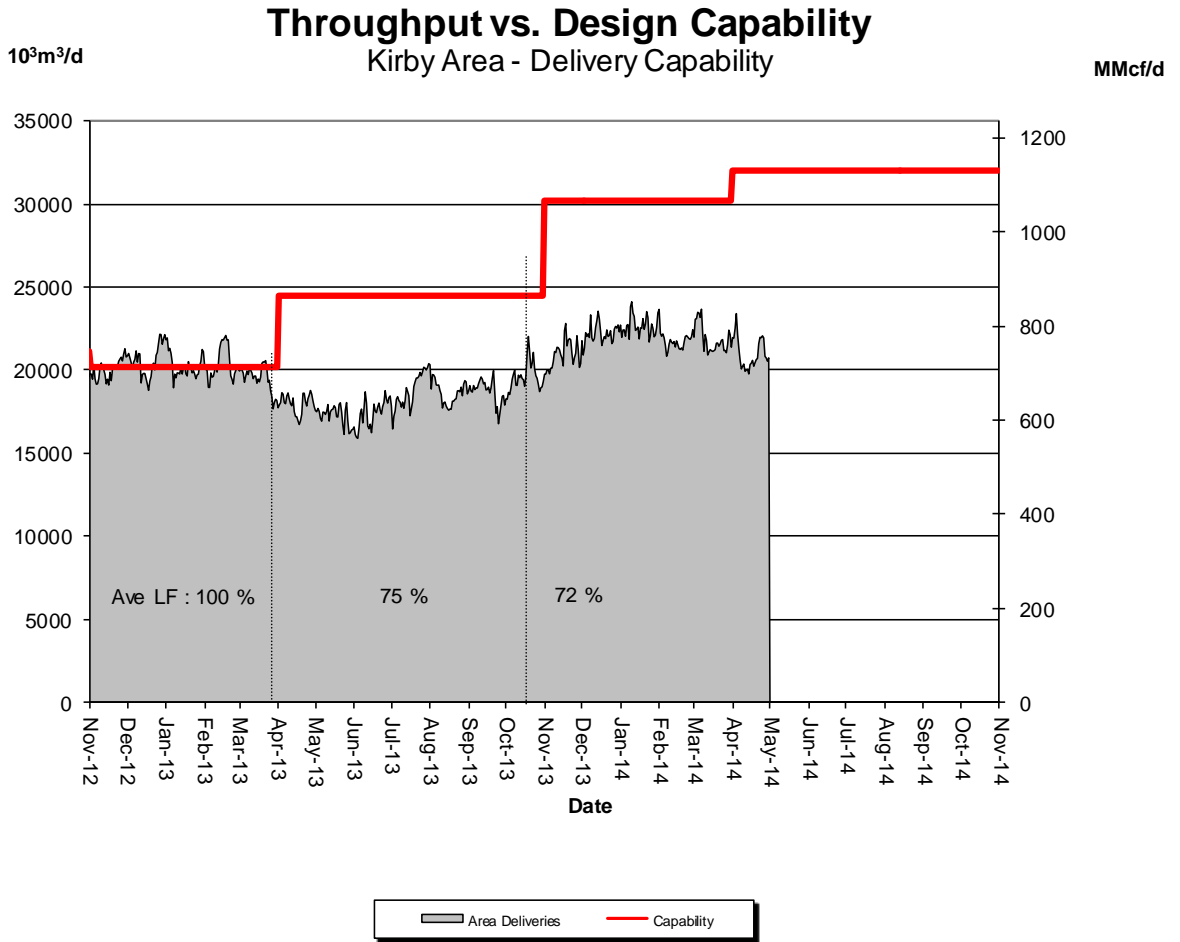
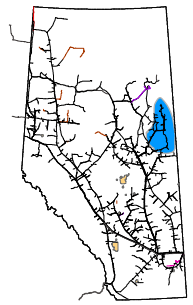
billed volumes divided by applicable receipt or delivery Contract level.

DESIGN CAPABILITY UTILIZATION FT. McMURRAY AREA – FLOW WITHIN



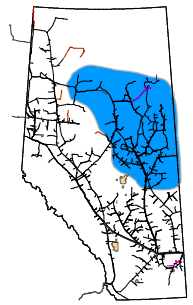
% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	73	77	77	77	79	69

DESIGN CAPABILITY UTILIZATION KIRBY AREA – FLOW WITHIN



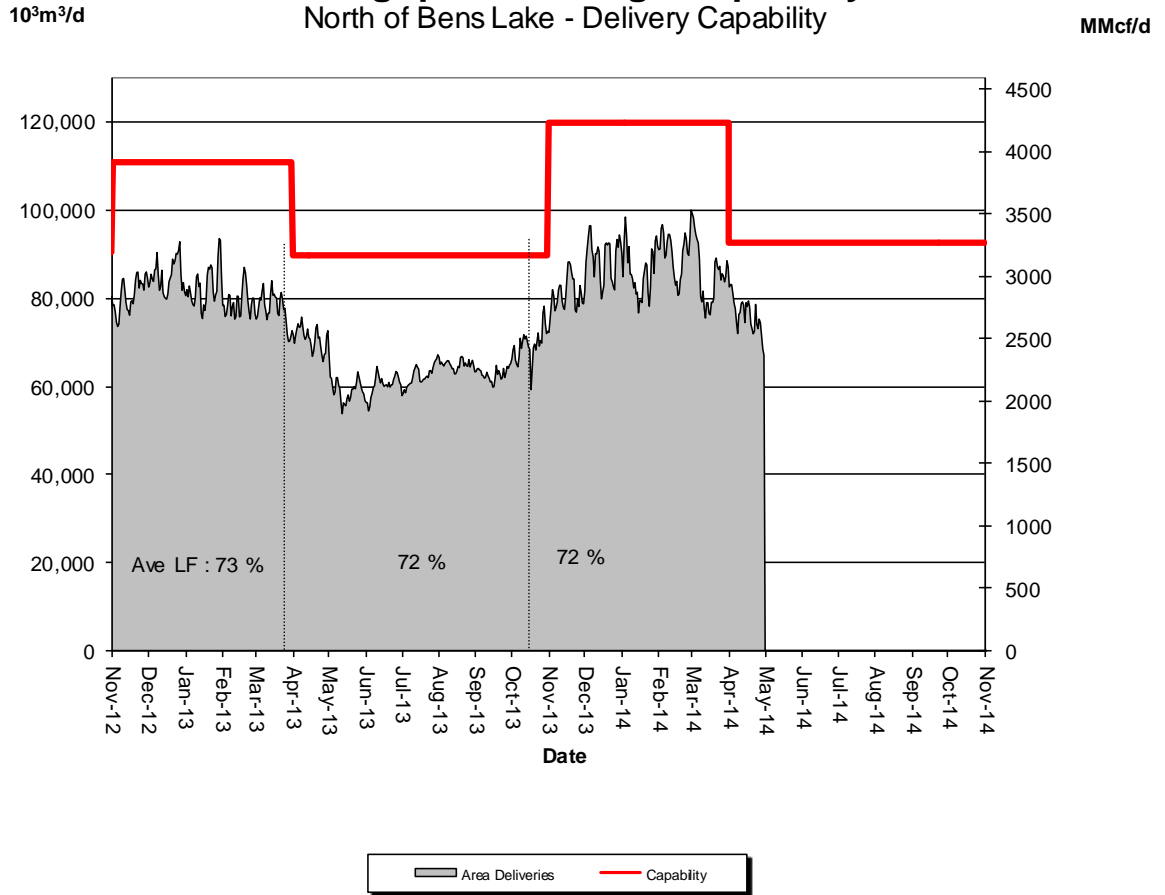
% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	69	73	75	72	72	66

DESIGN CAPABILITY UTILIZATION NORTH OF BENS LAKE – FLOW WITHIN



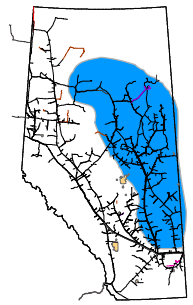
Throughput vs. Design Capability

North of Bens Lake - Delivery Capability



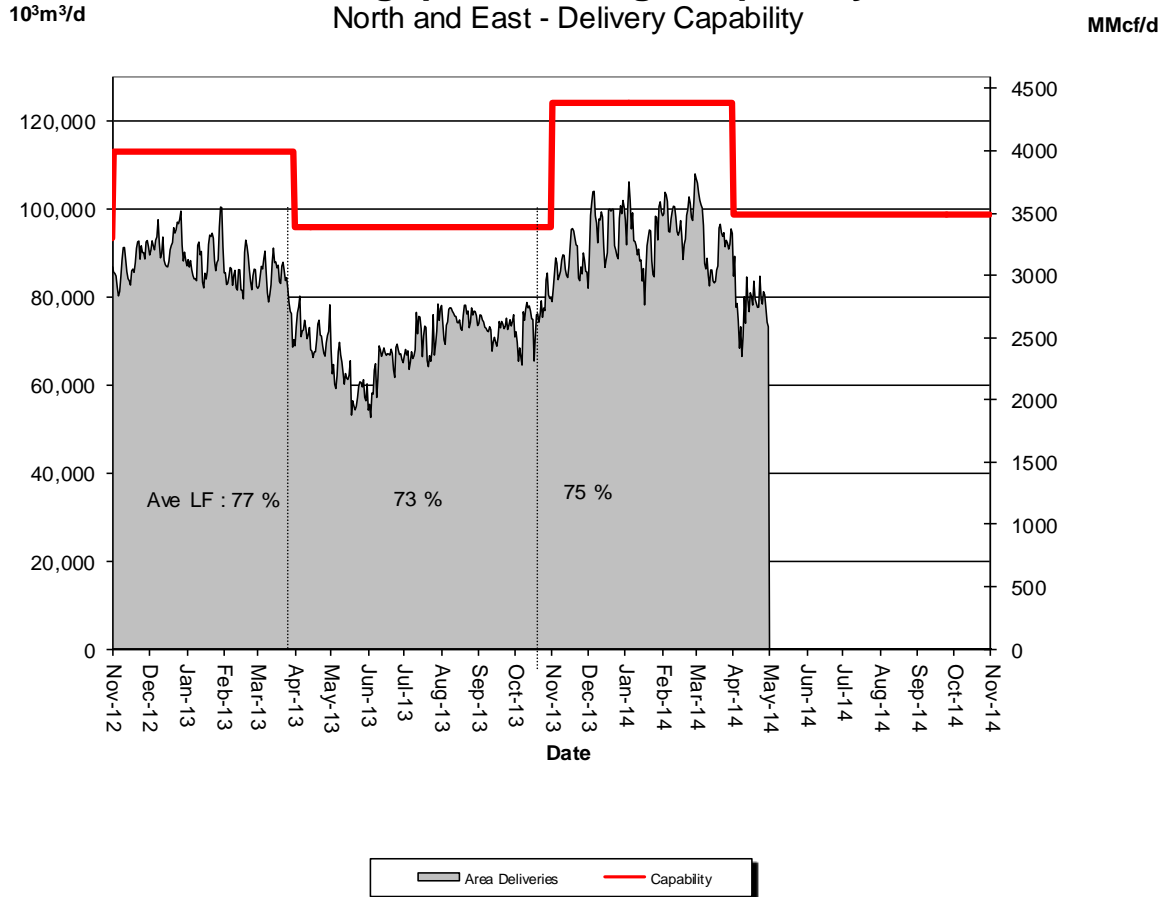
% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	67	74	72	75	71	82

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



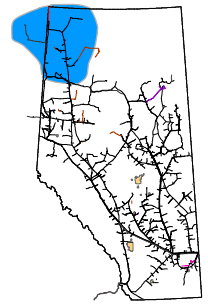
Throughput vs. Design Capability

North and East - Delivery Capability

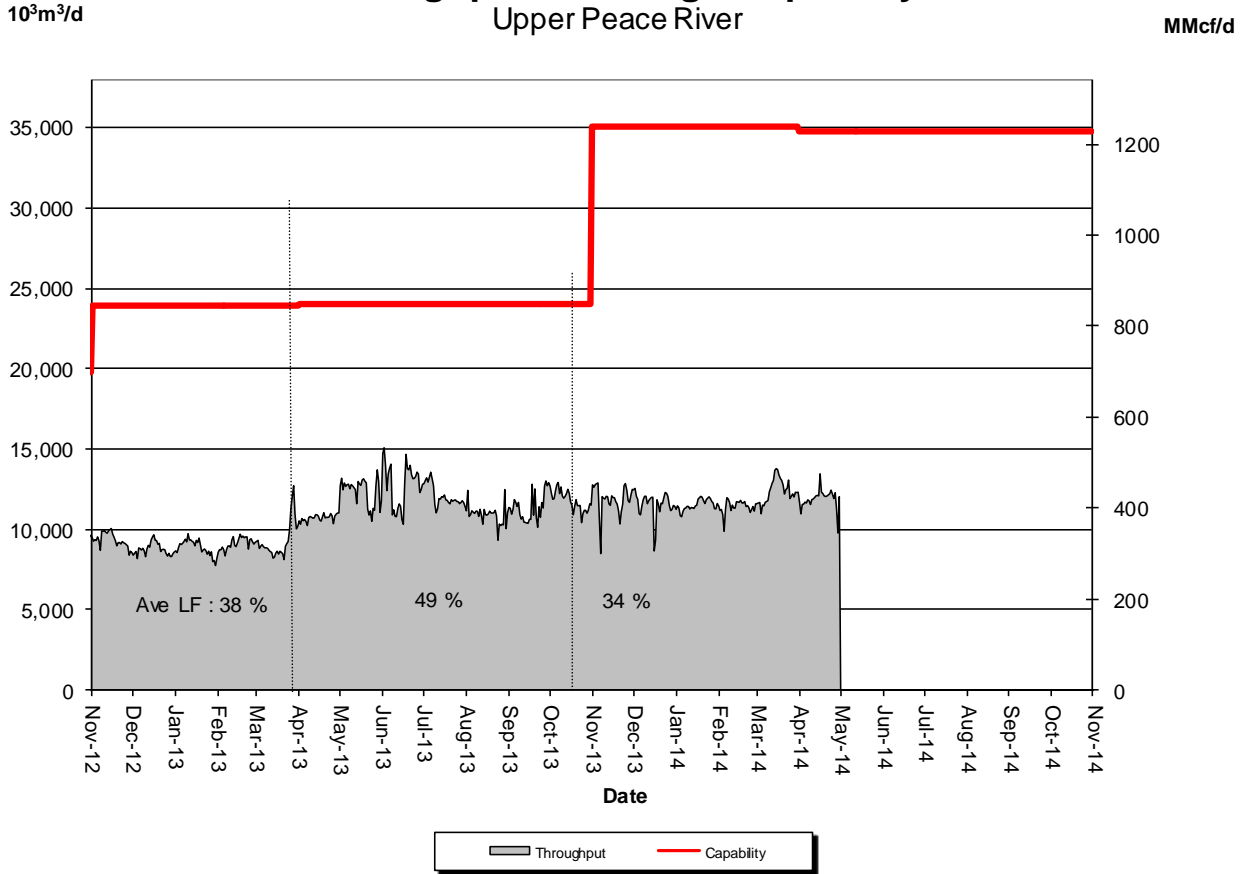


% Design Capability Utilization						
Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	71	77	75	79	74	79

DESIGN CAPABILITY UTILIZATION UPPER PEACE RIVER

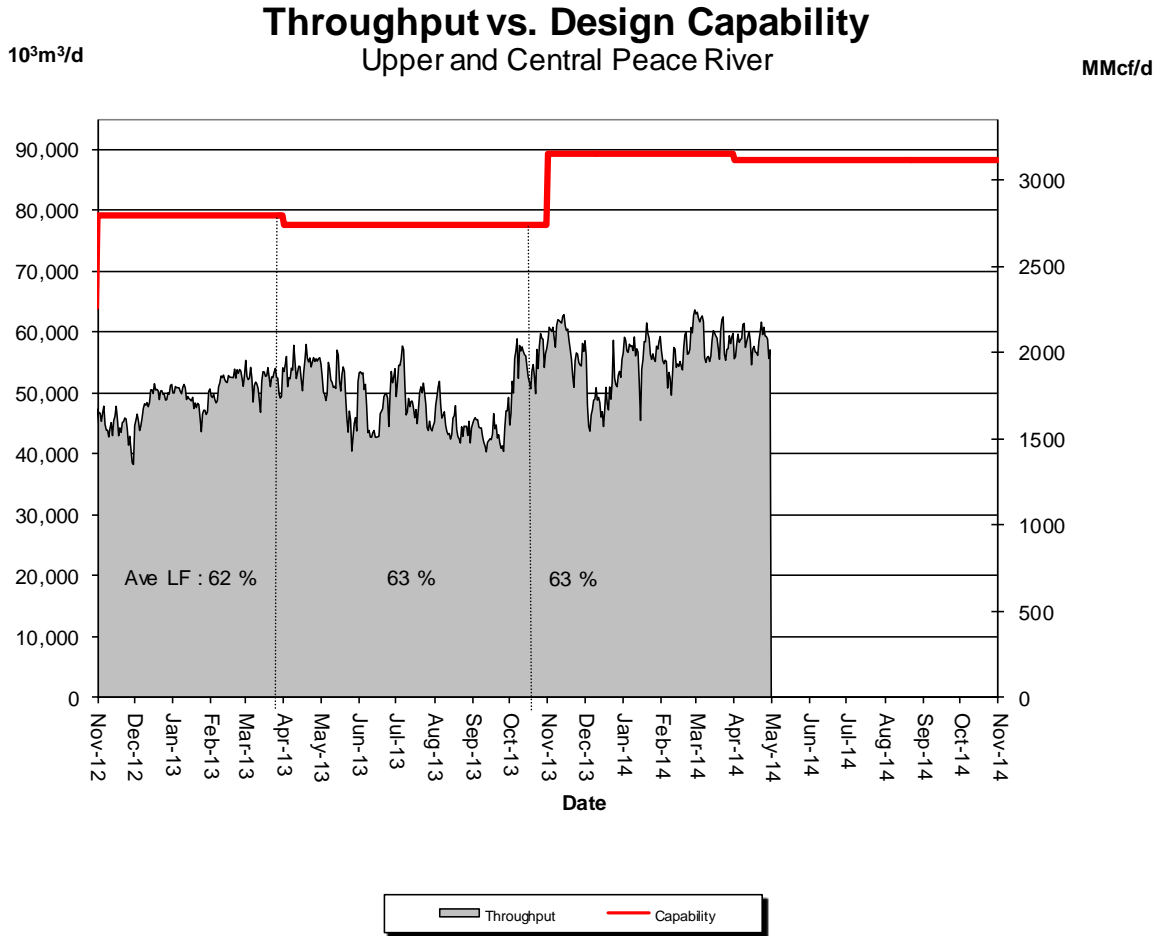
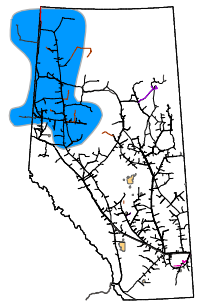


Throughput vs. Design Capability Upper Peace River



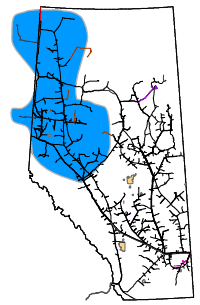
% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	34	33	33	33	35	34

DESIGN CAPABILITY UTILIZATION UPPER and CENTRAL PEACE RIVER

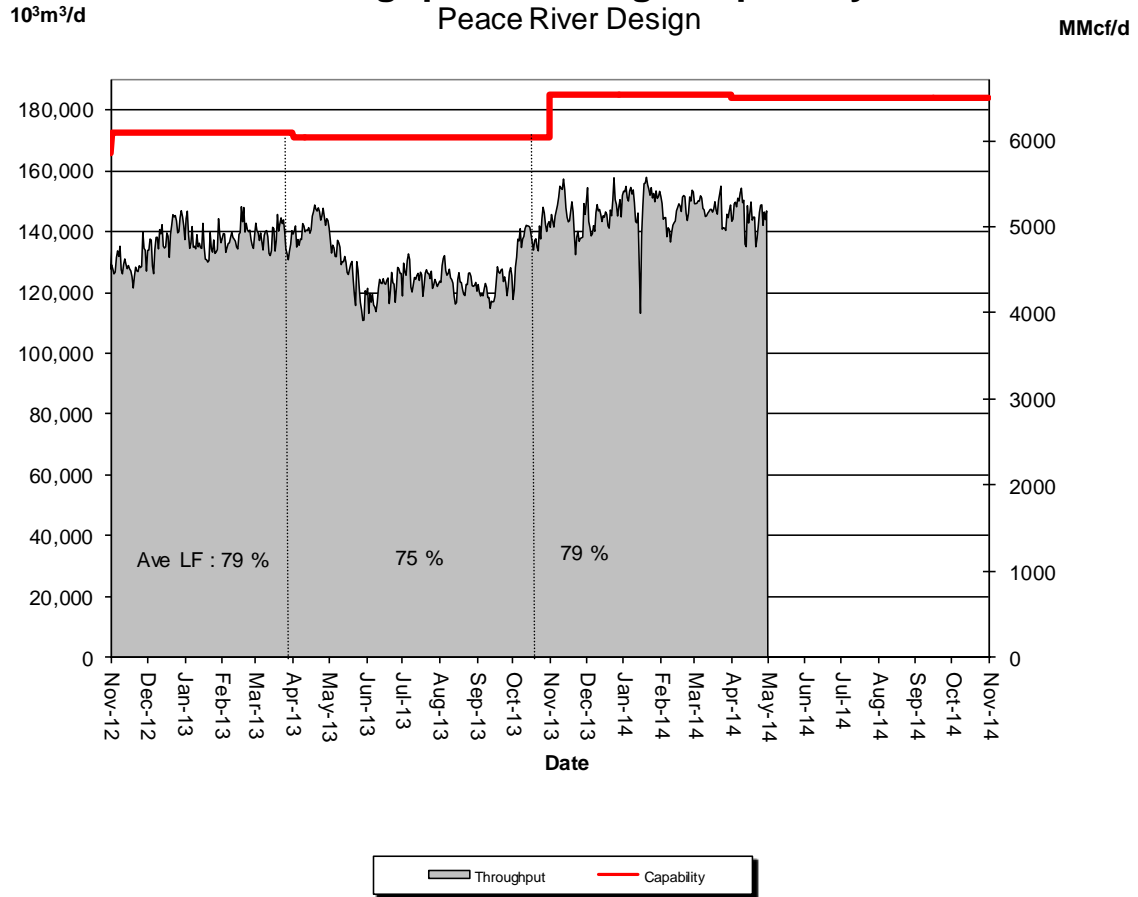


% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	66	56	64	63	66	66

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



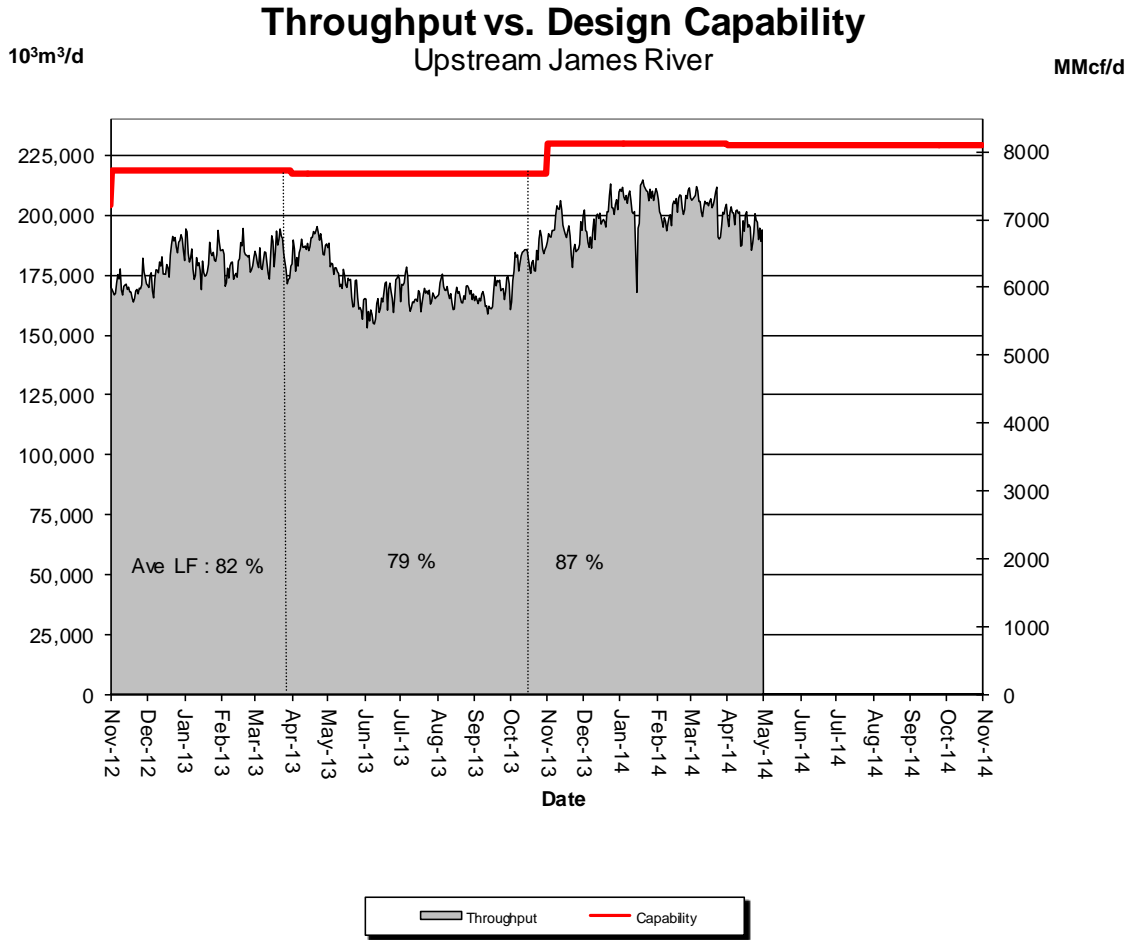
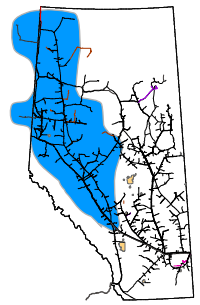
Throughput vs. Design Capability Peace River Design



% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	78	79	81	79	80	79

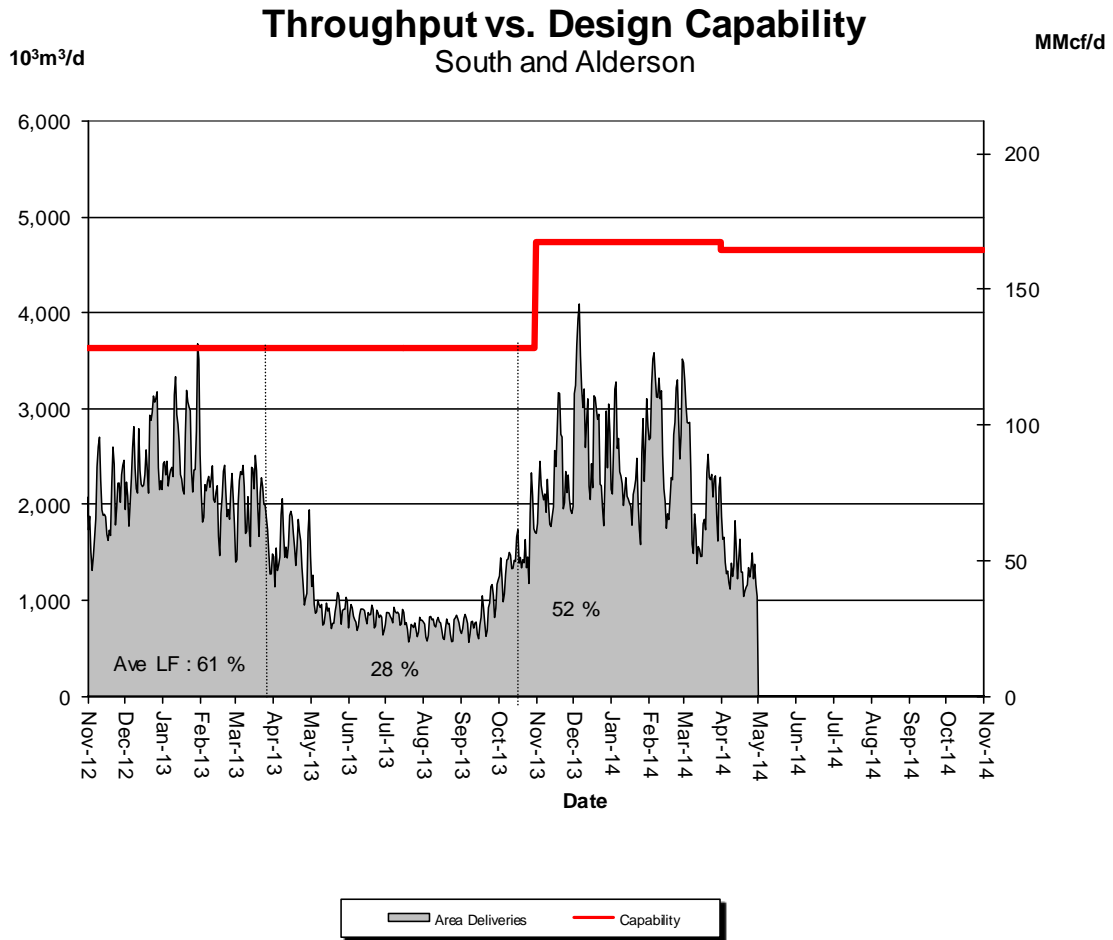
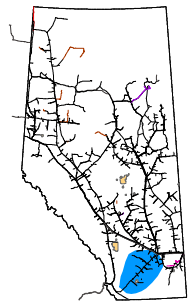
DESIGN CAPABILITY UTILIZATION UPSTREAM JAMES RIVER

(Edson Mainline, Peace River Design and Marten Hills)



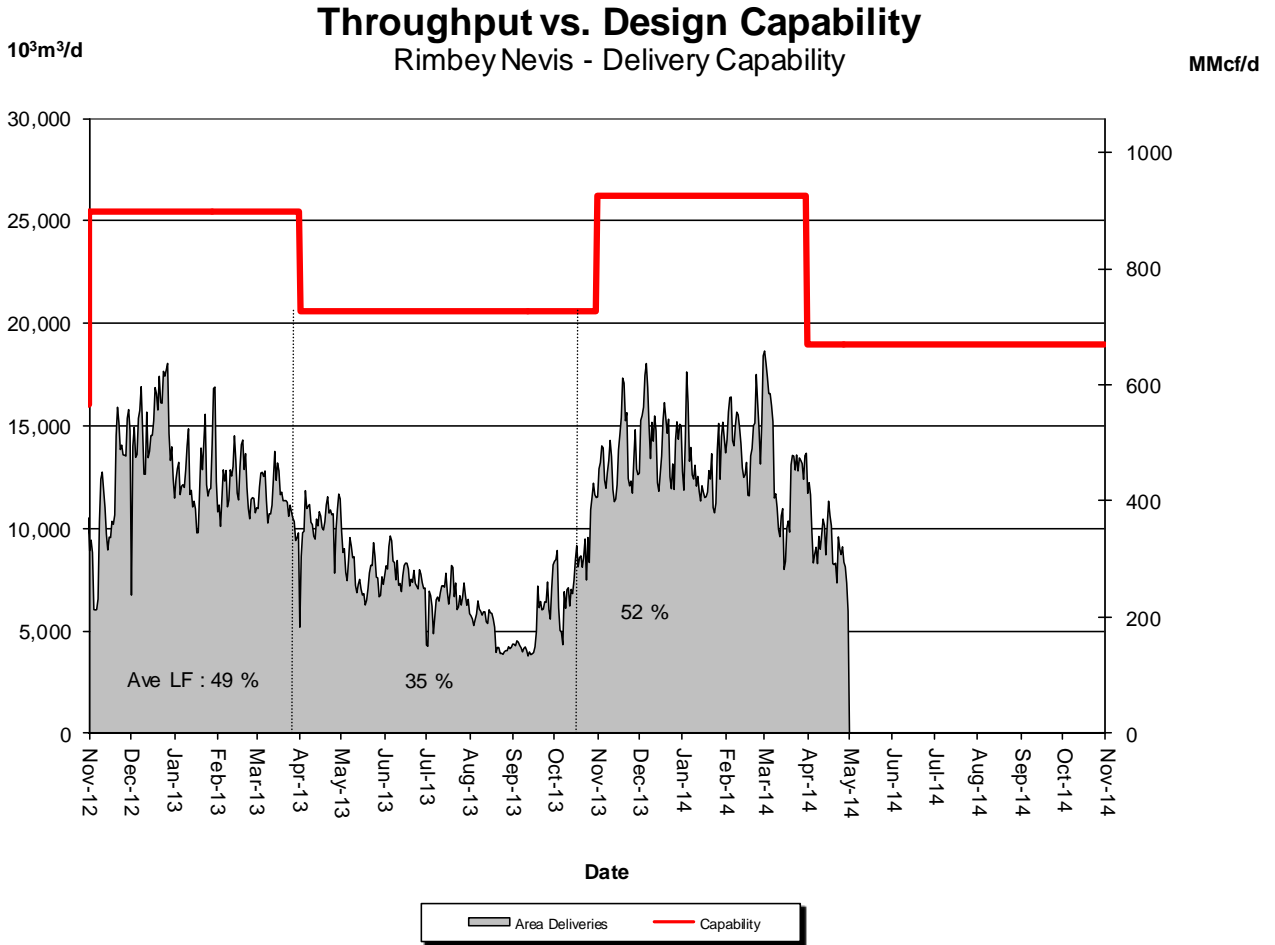
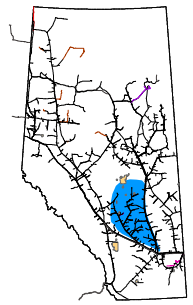
% Design Capability Utilization						
Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	84	86	90	88	89	86

DESIGN CAPABILITY UTILIZATION SOUTH and ALDERSON – FLOW WITHIN



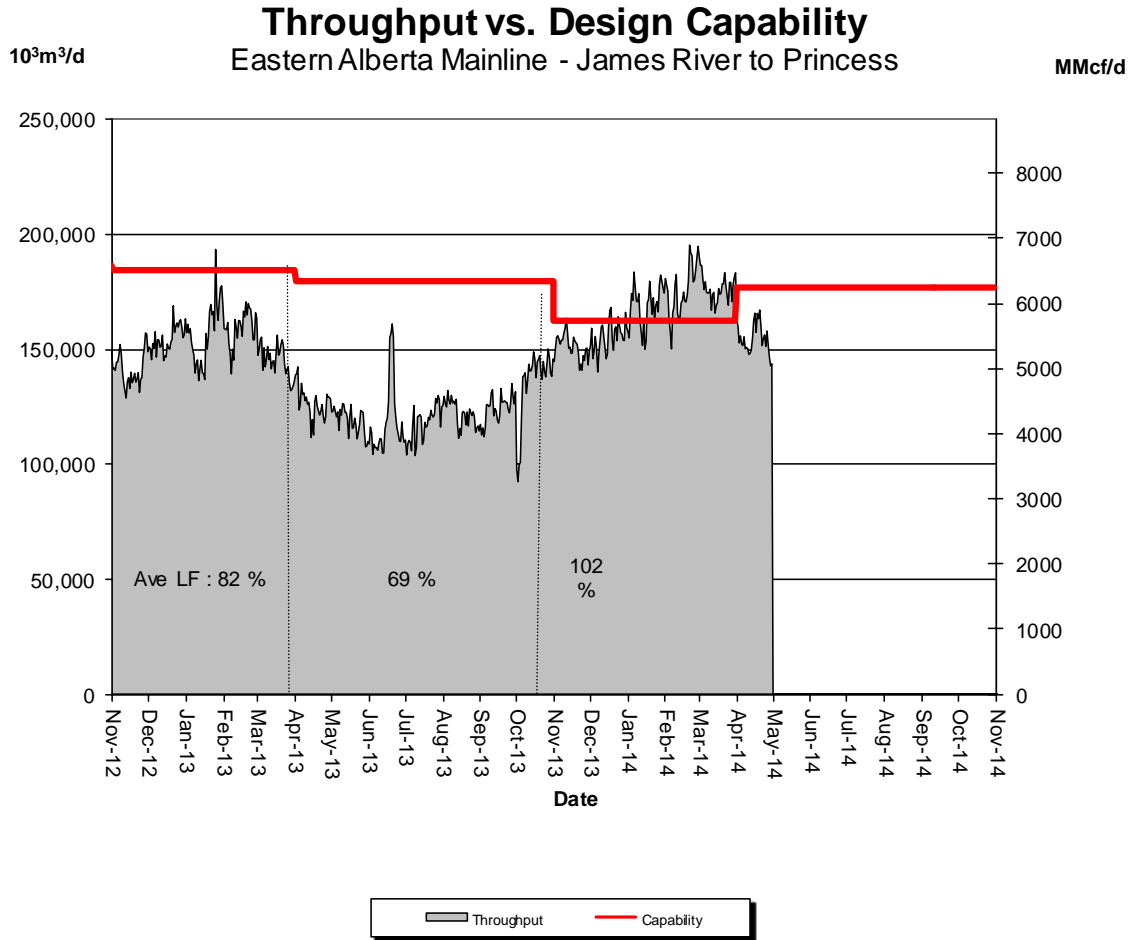
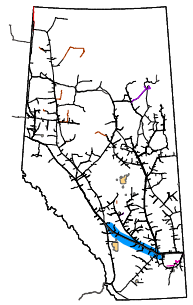
% Design Capability Utilization						
Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	47	59	49	58	45	29

DESIGN CAPABILITY UTILIZATION RIMBEY-NEVIS – FLOW WITHIN



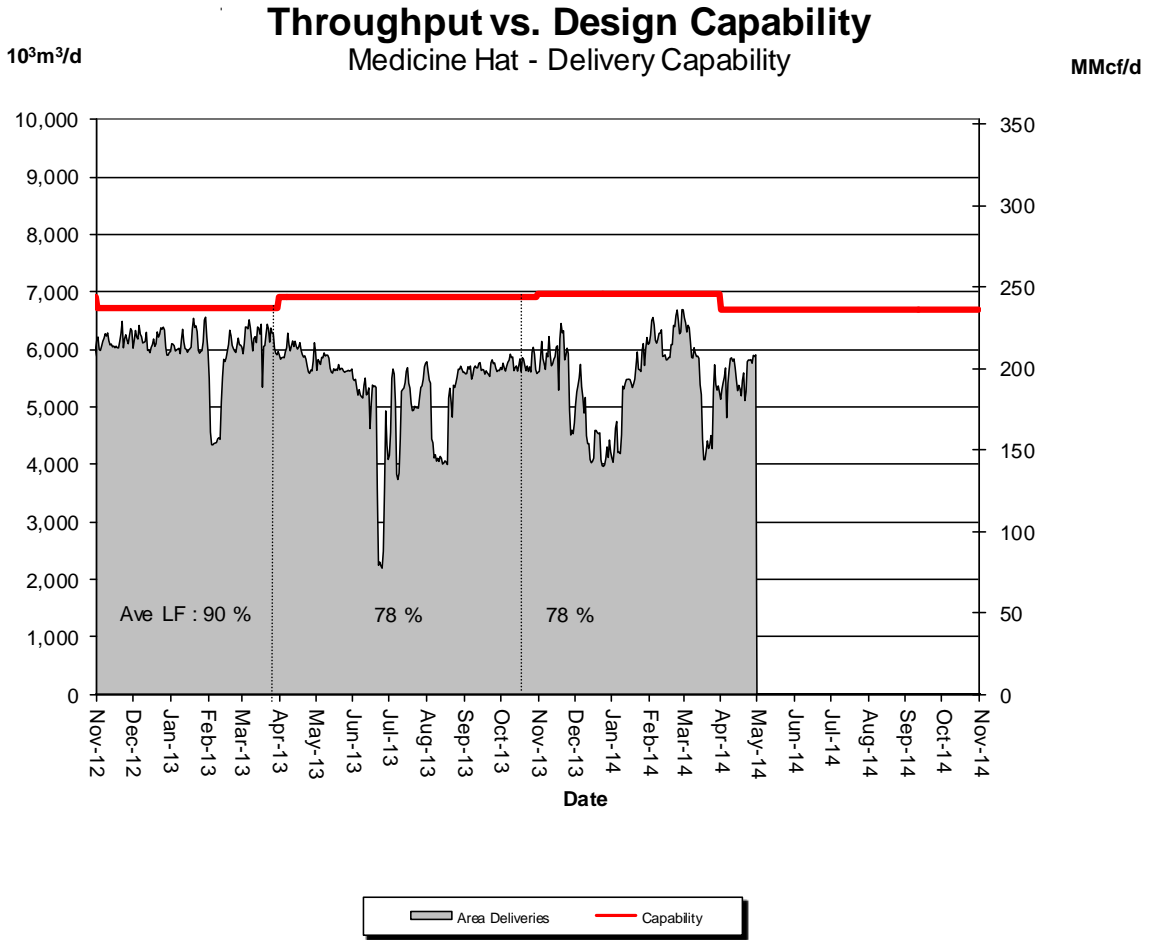
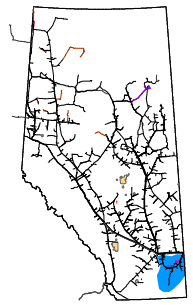
% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	51	55	49	56	49	49

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



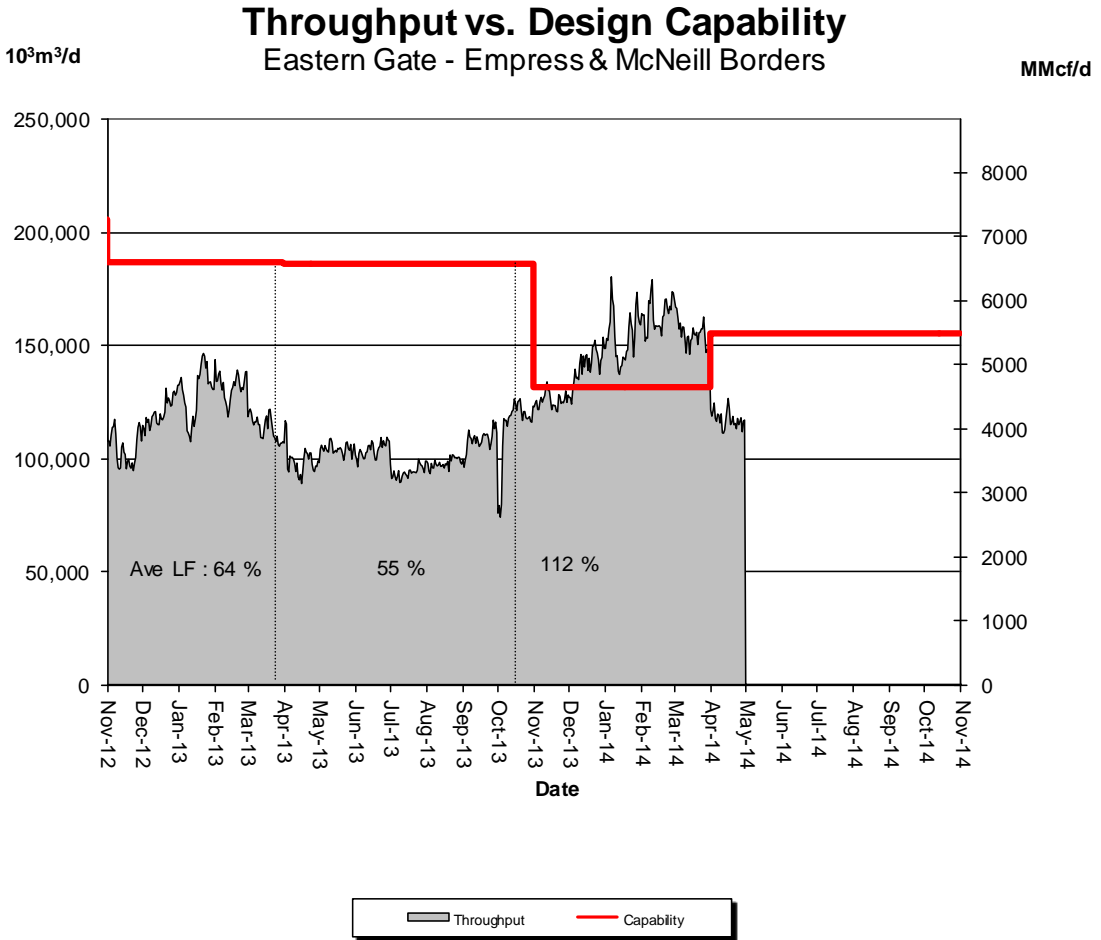
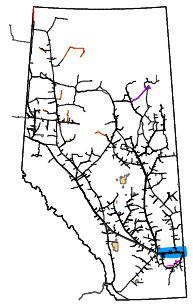
% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	93	96	104	108	109	87

DESIGN CAPABILITY UTILIZATION MEDICINE HAT – FLOW WITHIN



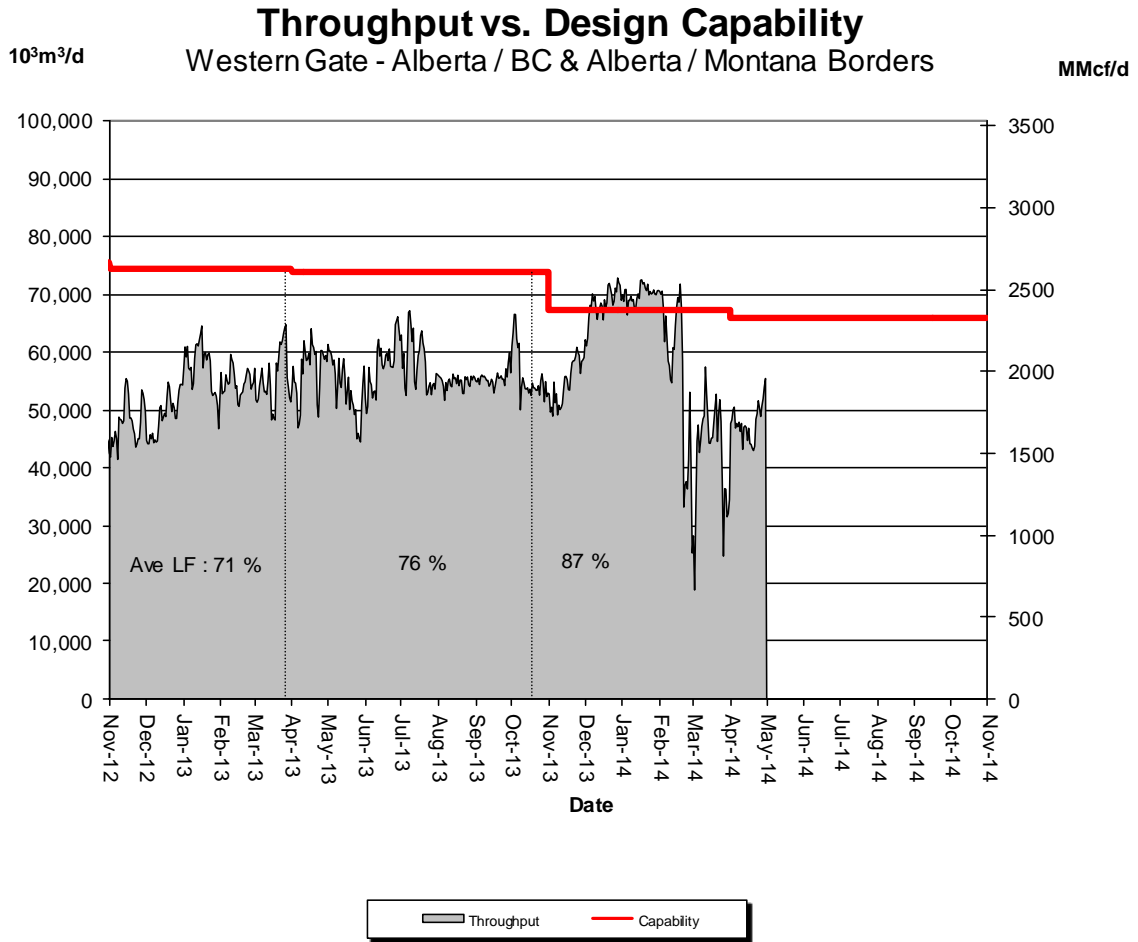
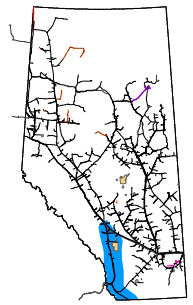
% Design Capability Utilization						
Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	83	66	76	89	78	83

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	Nov	Dec	Jan	Feb	Mar	Apr
	96	107	117	124	118	75

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	Nov	Dec	Jan	Feb	Mar	Apr
	81	102	104	84	63	73

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.

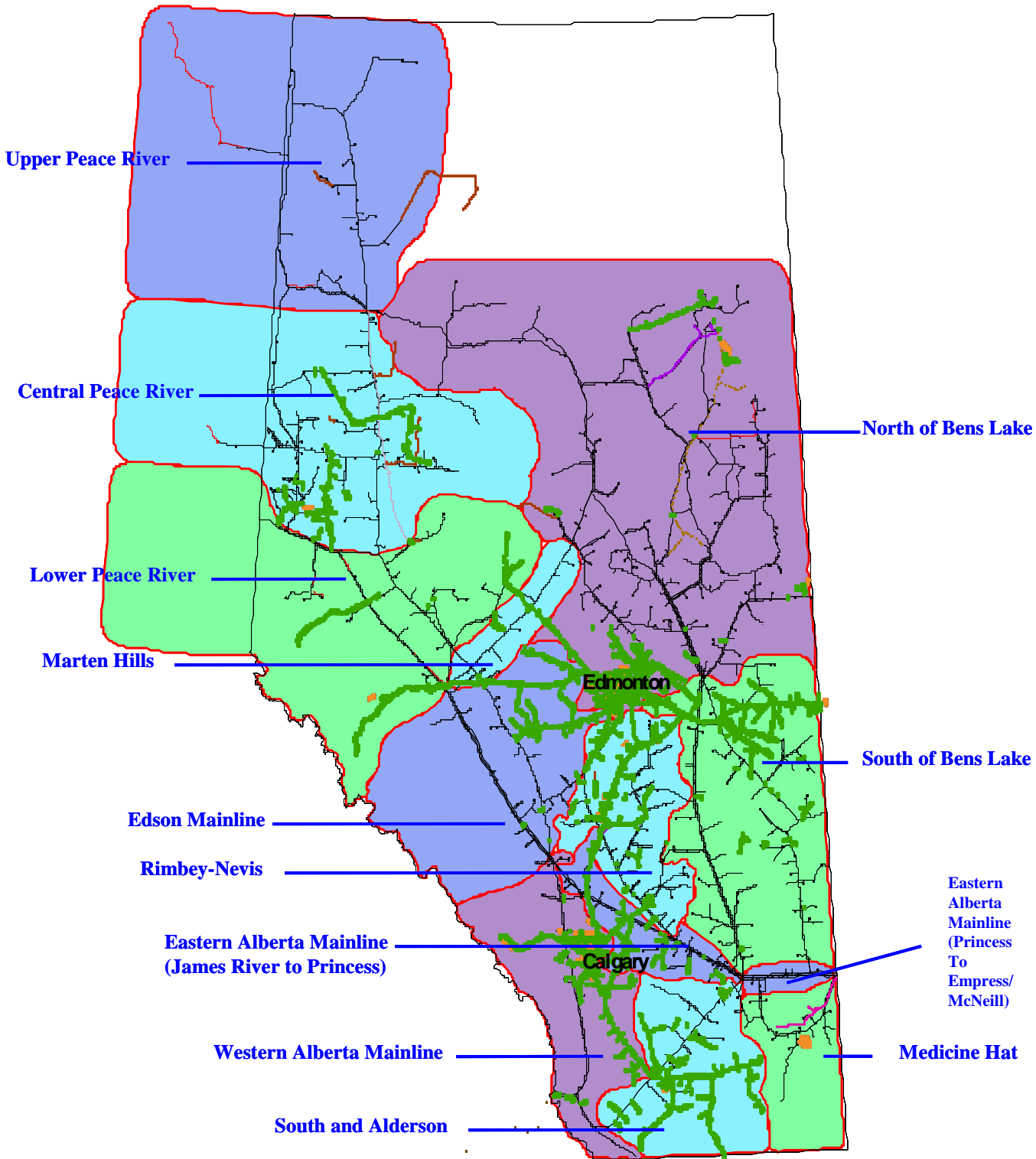
Design Flow Capability utilization is a function of several factors that include:

- 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

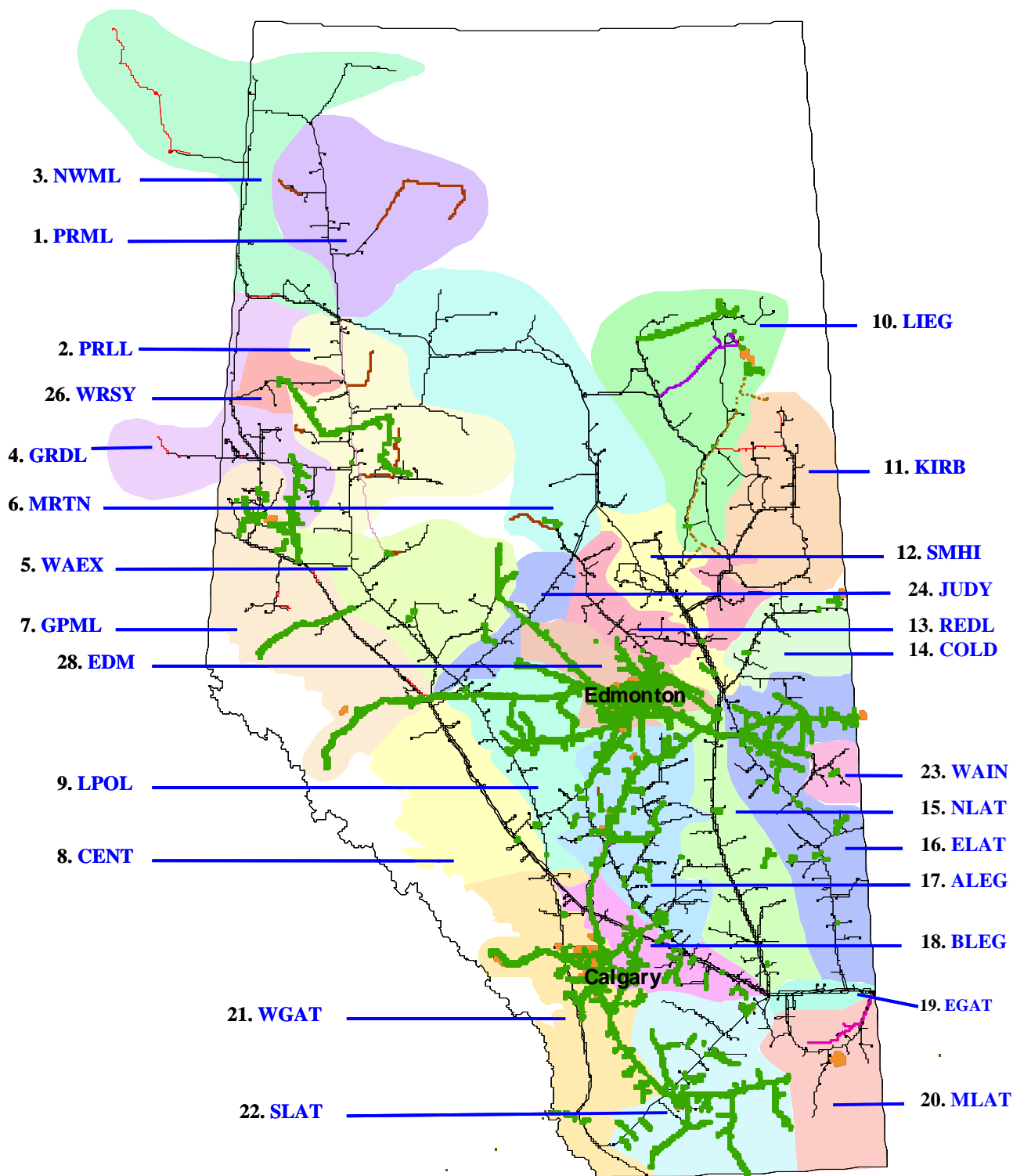
The Future Firm Transportation Service Availability report presents guidelines and timing for all future firm transportation service requests.

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