

SYSTEM UTILIZATION AND RELIABILITY MONTHLY REPORT

for the month ending
November, 2009

Published date:
August 6, 2010

Highlights This Month:

- Starting with the 2009/10 Gas Year (i.e., this month's report), the average actual flow for the dominant flow condition in each of the Alberta design areas will be compared against the corresponding design capability to obtain a measure of pipeline utilization. Consequently, design capability utilization will be measured as Average Actual Flow / Seasonal Design Capability.
- FT Receipt Availability over a 3 month average from September 1, 2009 – November 30, 2009 was deemed to be 100% available in all pipe segments except UPRM which was deemed to be 72% available.
- Border Availability at Empress/McNeill, Gordondale and Alberta/BC, over a 3 month average from September 1, 2009 – November 30, 2009, were all deemed 100% available.

NOVA Gas Transmission Ltd.

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If you have any questions on the content of this report, contact Bob Haney at (403) 920-5317 or via fax at (403) 920-2380.

FIRM TRANSPORTATION SERVICE¹ CONTRACT UTILIZATION²

By NGTL Pipeline Segments

Segment	Receipt Contract	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Nov CD (mmcf/d)
UPRM ⁴	FT	82%	84%	84%	90%	86%	84%	141
	FT + IT	103%	97%	87%	93%	90%	94%	
LPRM ⁴	FT	93%	92%	94%	93%	90%	88%	19
	FT + IT	143%	116%	131%	116%	107%	106%	
PRLL ⁴	FT	98%	97%	97%	96%	96%	93%	176
	FT + IT	123%	119%	117%	111%	110%	107%	
NWML ⁴	FT	98%	96%	96%	88%	94%	93%	423
	FT + IT	112%	104%	103%	93%	100%	98%	
GRDL ⁴	FT	90%	91%	89%	88%	90%	87%	257
	FT + IT	126%	127%	112%	107%	112%	116%	
WRSY ⁴	FT	97%	97%	97%	96%	96%	94%	33
	FT + IT	150%	154%	139%	122%	121%	132%	
WAEX	FT	91%	96%	93%	79%	82%	92%	260
	FT + IT	183%	168%	138%	112%	121%	144%	
JUDY	FT	97%	96%	97%	97%	97%	96%	110
	FT + IT	149%	145%	147%	121%	120%	119%	
GPML	FT	95%	92%	92%	88%	87%	95%	2,039
	FT + IT	111%	106%	103%	96%	96%	106%	
CENT	FT	95%	97%	97%	95%	95%	94%	949
	FT + IT	122%	124%	119%	115%	114%	117%	
LPOL	FT	95%	94%	95%	95%	96%	96%	444
	FT + IT	123%	119%	117%	117%	119%	121%	
WGAT	FT	86%	91%	93%	90%	91%	93%	325
	FT + IT	112%	116%	121%	104%	119%	124%	
ALEG	FT	96%	96%	96%	95%	95%	95%	1,002
	FT + IT	127%	128%	128%	119%	118%	120%	
SLAT	FT	96%	97%	97%	97%	96%	96%	259
	FT + IT	125%	128%	128%	117%	114%	121%	
MLAT	FT	94%	96%	97%	97%	98%	97%	257
	FT + IT	111%	111%	108%	110%	110%	116%	
BLEG	FT	97%	97%	98%	97%	97%	96%	615
	FT + IT	115%	115%	115%	110%	107%	105%	
EGAT	FT	94%	96%	95%	96%	96%	97%	49
	FT + IT	130%	129%	133%	131%	139%	300%	
MRTN	FT	89%	88%	89%	83%	88%	87%	132
	FT + IT	115%	110%	108%	96%	103%	113%	
LIEG	FT	80%	80%	78%	84%	83%	54%	99
	FT + IT	114%	111%	111%	106%	107%	90%	
KIRB	FT	83%	85%	86%	84%	87%	83%	100
	FT + IT	107%	106%	100%	94%	97%	105%	
SMHI	FT	72%	74%	78%	82%	87%	73%	80
	FT + IT	131%	134%	133%	116%	119%	117%	
REDL	FT	84%	86%	87%	86%	83%	84%	63
	FT + IT	147%	155%	158%	140%	146%	158%	
COLD	FT	73%	78%	75%	81%	80%	79%	45
	FT + IT	119%	124%	125%	110%	115%	126%	
NLAT	FT	93%	91%	91%	90%	91%	94%	241
	FT + IT	126%	120%	118%	118%	117%	122%	
WAIN	FT	90%	89%	89%	86%	85%	83%	20
	FT + IT	124%	120%	121%	115%	116%	110%	
ELAT	FT	94%	94%	95%	92%	94%	95%	156
	FT + IT	144%	142%	139%	132%	134%	140%	
TOTAL SYSTEM	FT	94%	93%	94%	91%	92%	93%	8,295
	FT + IT	121%	119%	115%	108%	109%	115%	
Segment	Delivery Contract	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Nov CD (GJ/d)
Empress	FT	95%	95%	94%	94%	96%	97%	3,319,644
	FT + IT	112%	104%	104%	106%	112%	107%	
McNeill	FT	93%	100%	97%	92%	82%	96%	859,736
	FT + IT	162%	139%	127%	108%	110%	121%	
ABC	FT	49%	81%	89%	92%	86%	94%	2,600,432
	FT + IT	49%	88%	96%	99%	86%	97%	

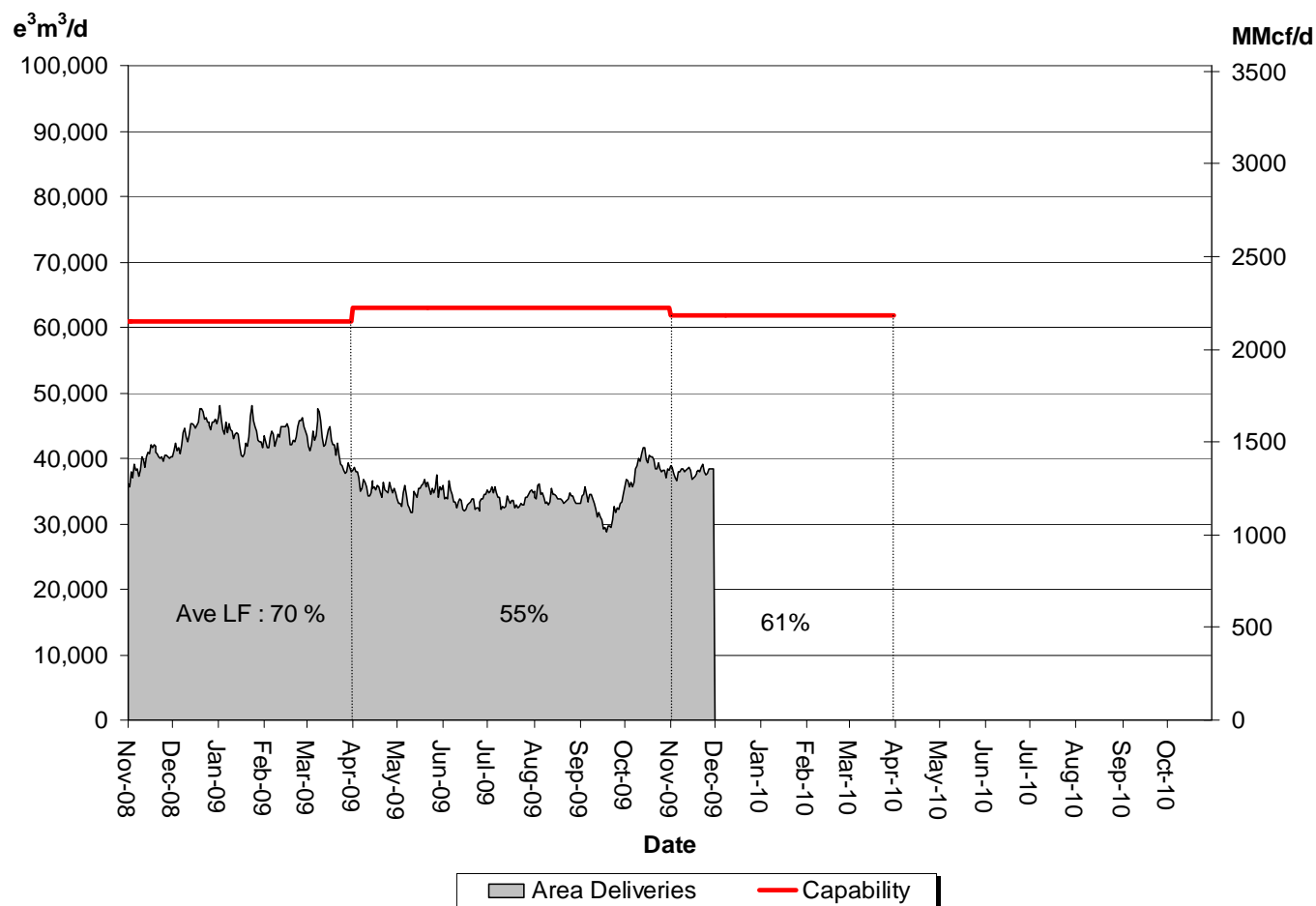
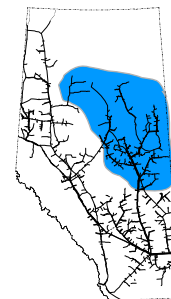
*NOTE:

1. FT includes all receipt and export delivery Firm Transportation Services: FTR, LRS, FTD.

2. IT includes all receipt and border delivery Interruptible Services: ITR, FRO, ITD, FDO.

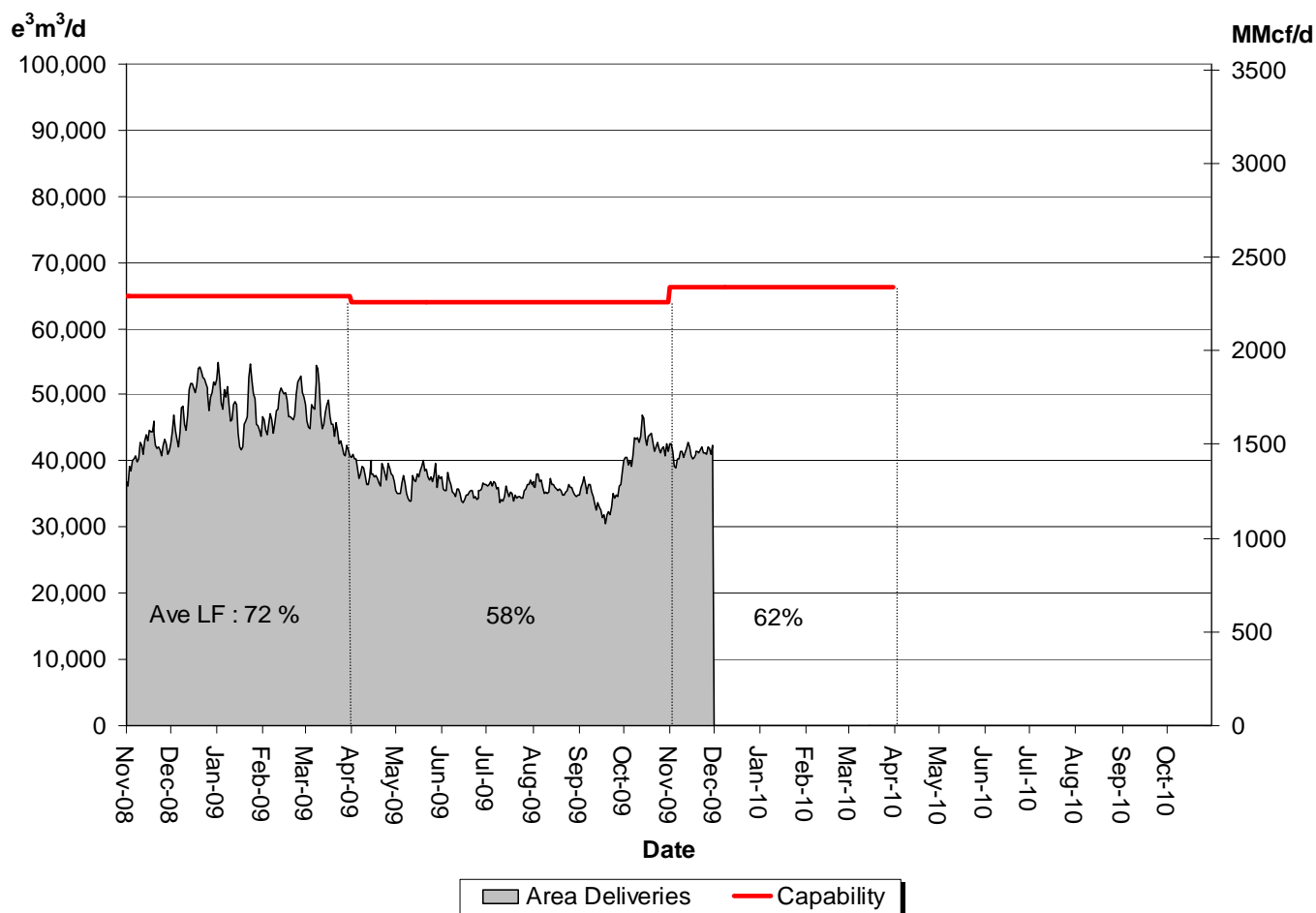
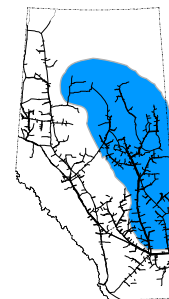
3. Utilization data is based on billed monthly volumes. Percent utilization calculated as FT and FT + IT billed Volumes divided by applicable receipt or delivery Contract level.

DESIGN CAPABILITY UTILIZATION NORTH OF BENS LAKE – FLOW WITHIN



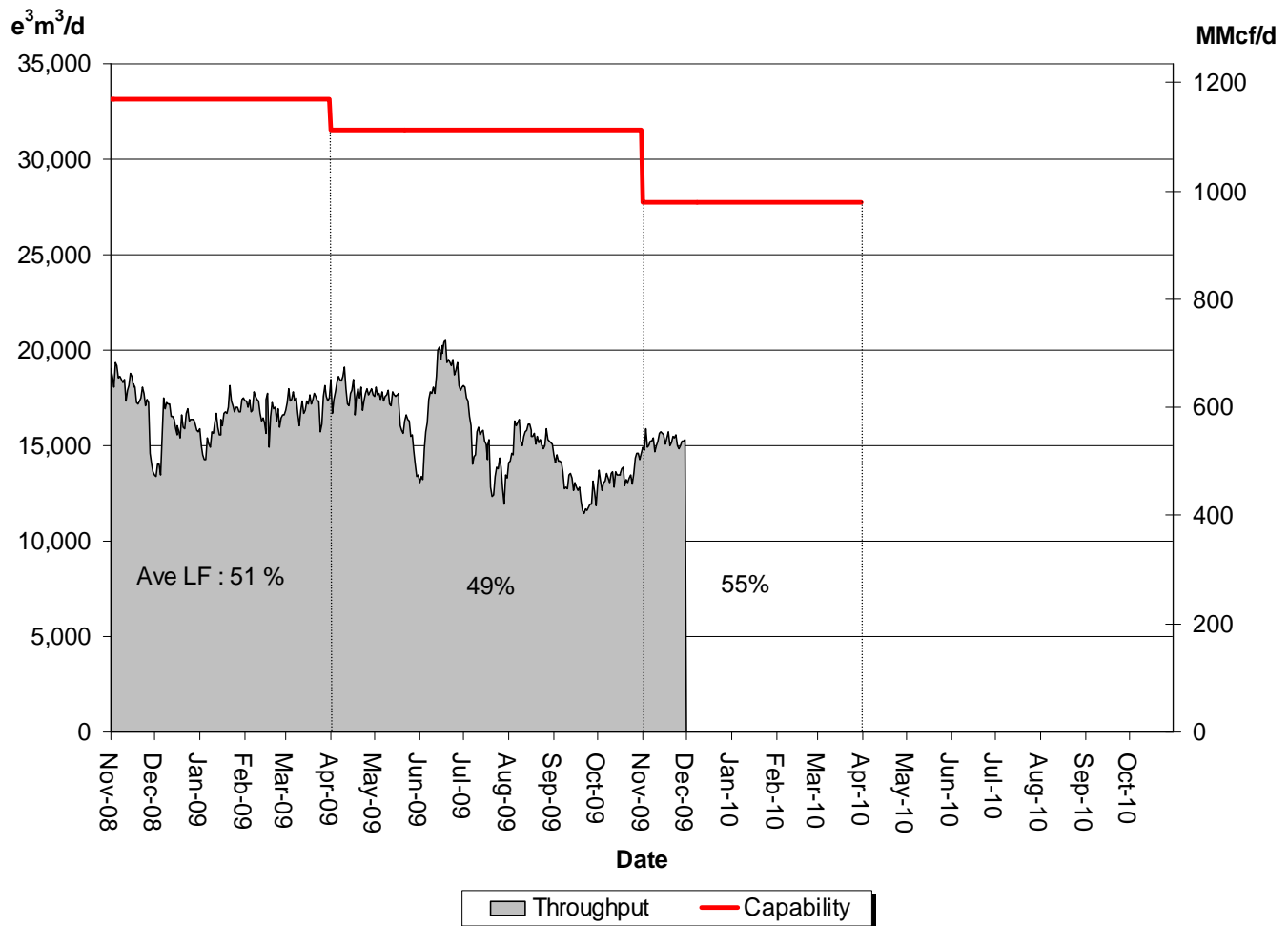
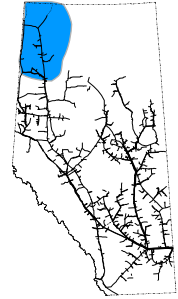
% Design Capability Utilization						
Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	Jun	Jul	Aug	Sep	Oct	Nov
	53	54	54	51	61	61

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



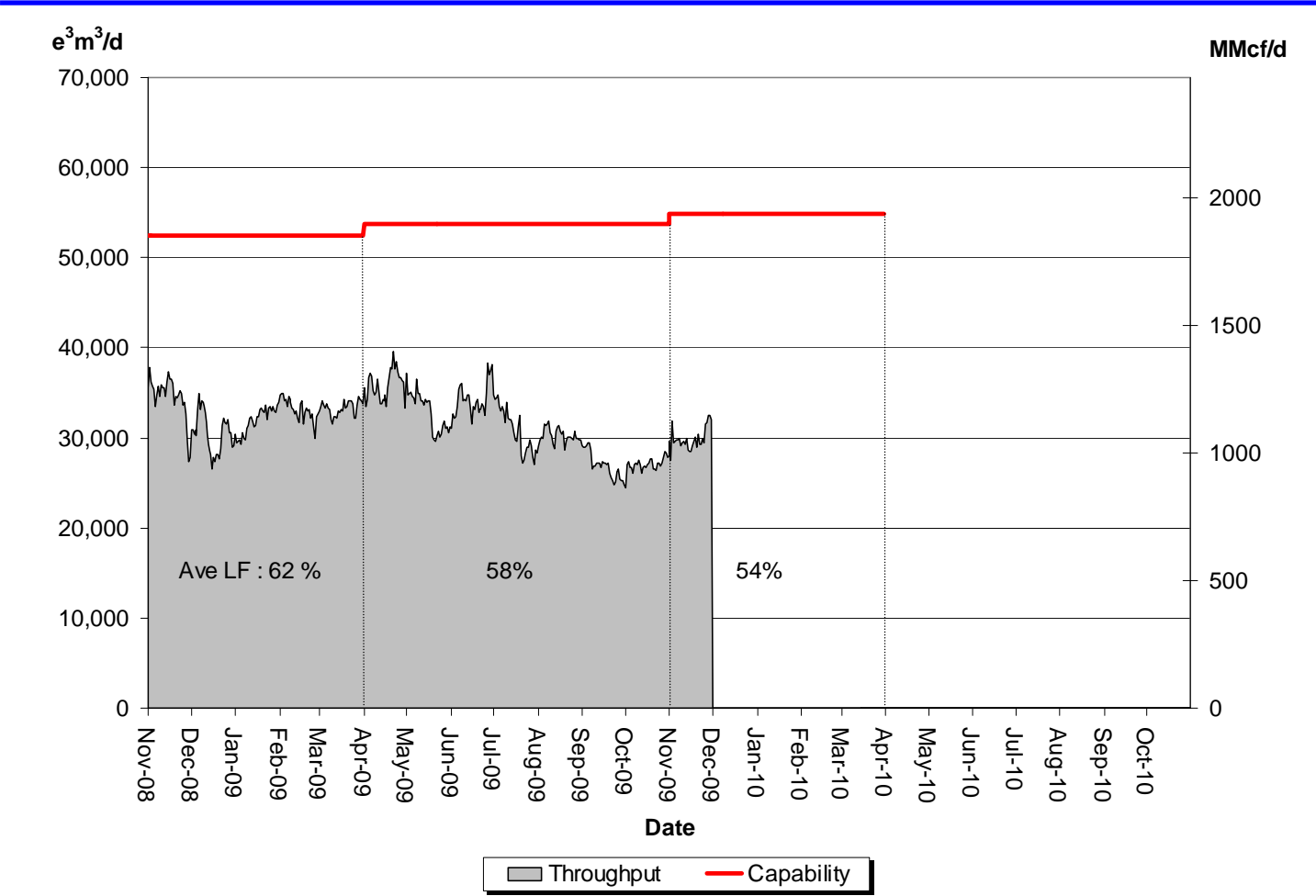
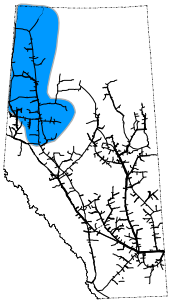
% Design Capability Utilization						
Monthly Average Actual Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	Jun	Jul	Aug	Sep	Oct	Nov
	55	55	56	54	66	62

DESIGN CAPABILITY UTILIZATION UPPER PEACE RIVER



% Design Capability Utilization						
Monthly Average Actual Flow as a Percentage of Design Capability						
Average Flow/ Design Capability	Jun	Jul	Aug	Sep	Oct	Nov
	57	47	49	41	43	55

DESIGN CAPABILITY UTILIZATION UPPER and CENTRAL PEACE RIVER

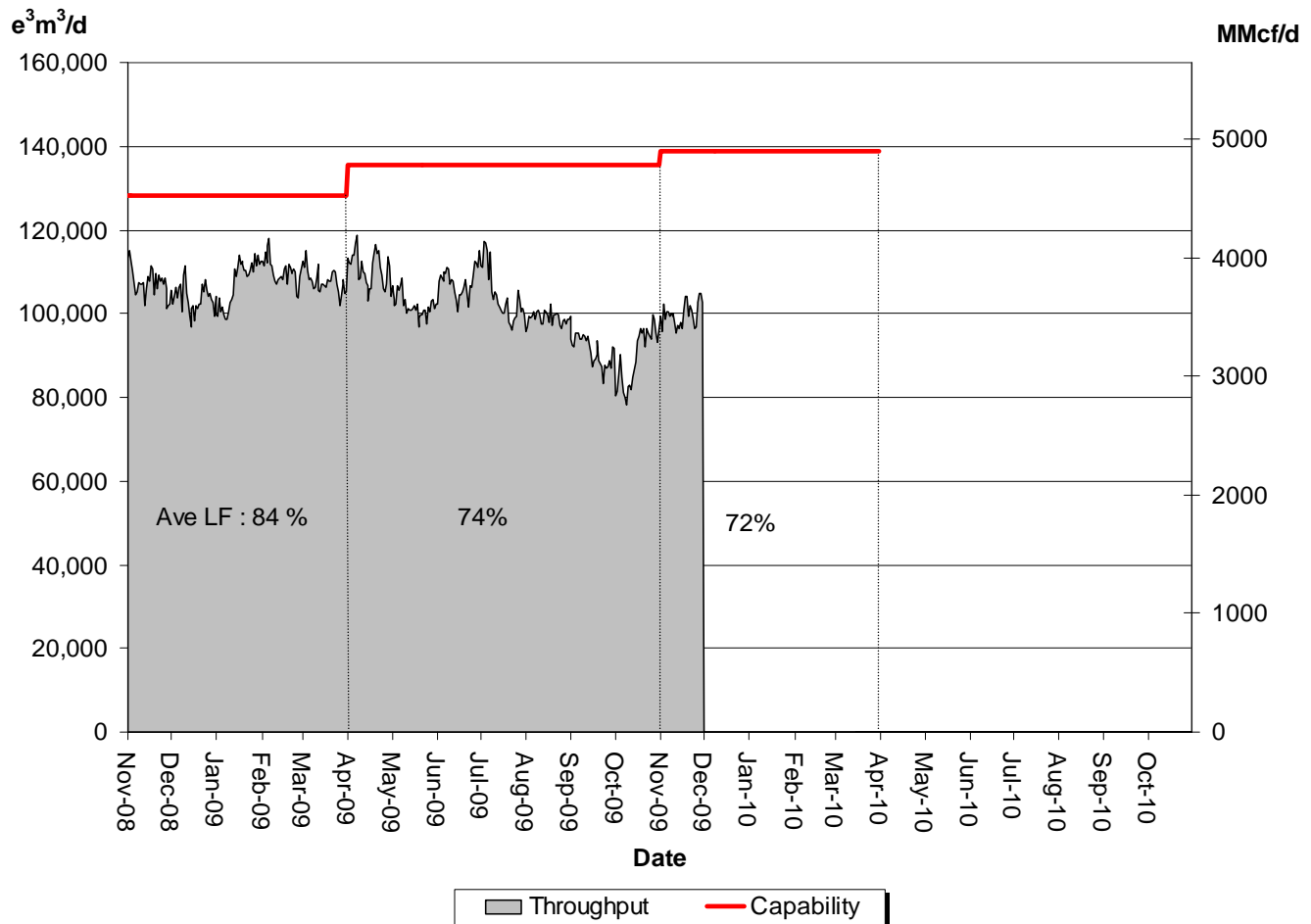
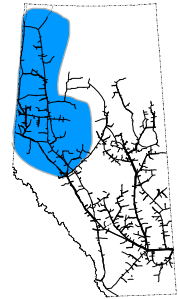


% Design Capability Utilization						
Monthly Average Actual Flow as a Percentage of Capability						
Average Flow/ Design Capability	Jun	Jul	Aug	Sep	Oct	Nov
	64	58	57	52	49	54

DESIGN CAPABILITY UTILIZATION

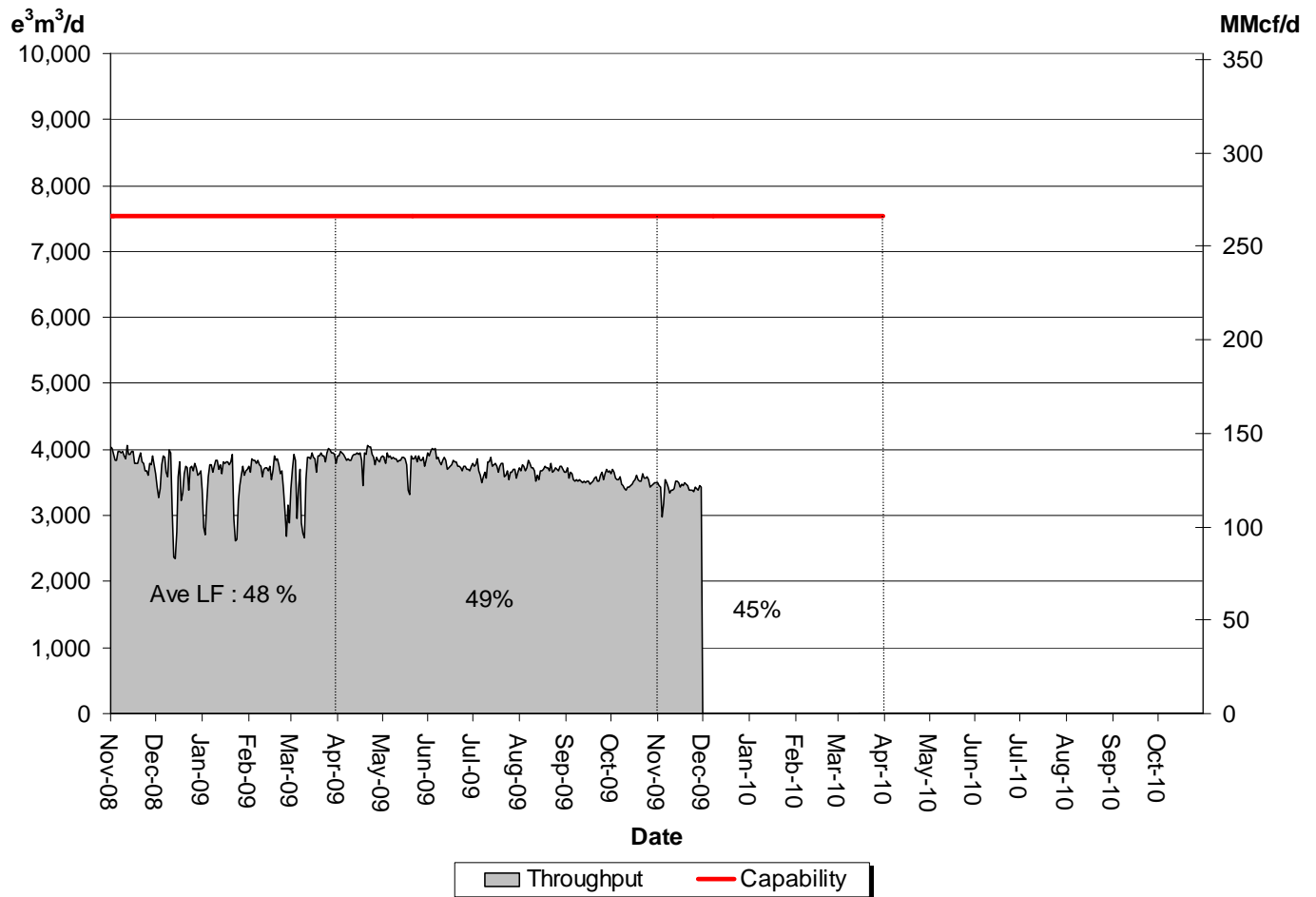
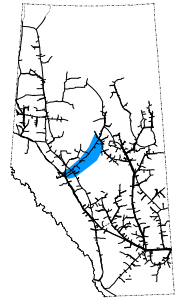
PEACE RIVER DESIGN

(Upper, Central and Lower Peace River)



% Design Capability Utilization						
Monthly Average Actual Flow as a Percentage of Design Capability						
Average Flow/ Design Capability	Jun	Jul	Aug	Sep	Oct	Nov
	79	77	73	67	65	72

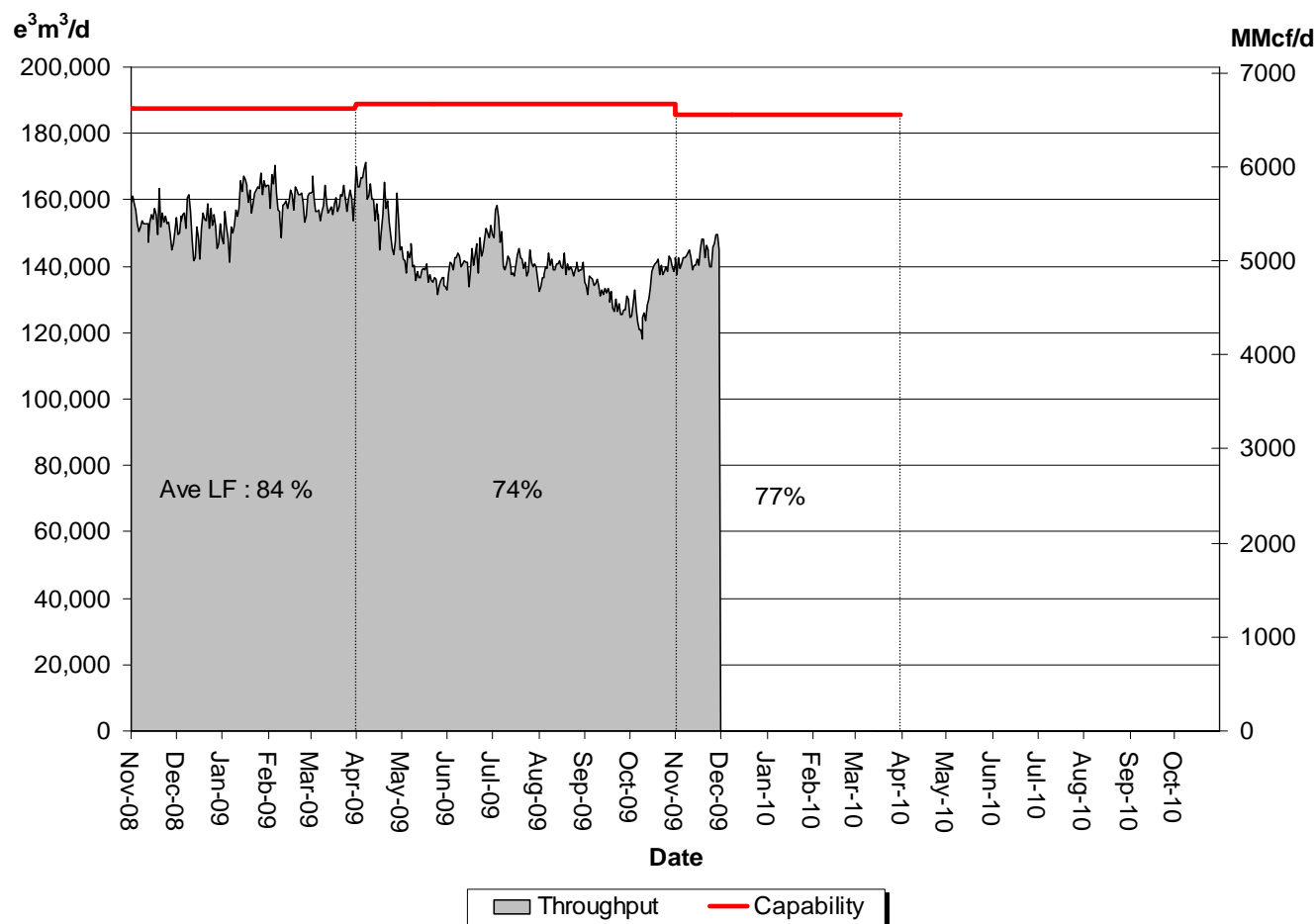
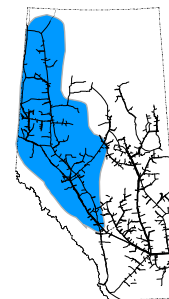
DESIGN CAPABILITY UTILIZATION MARTEN HILLS



% Design Capability Utilization						
Monthly Average Actual Flow as a Percentage of Design Capability						
Average Flow/ Design Capability	Jun	Jul	Aug	Sep	Oct	Nov
	51	49	49	47	47	45

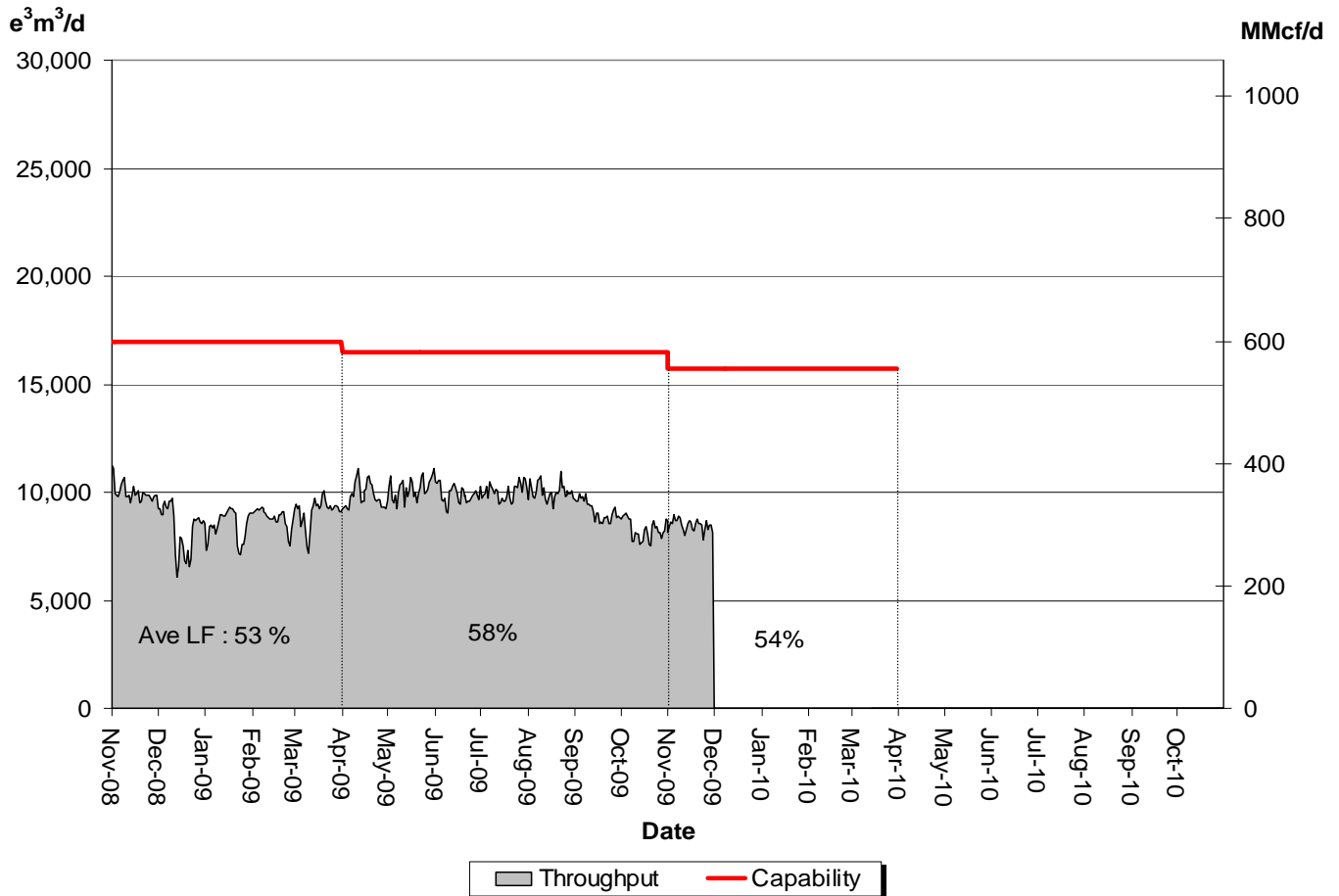
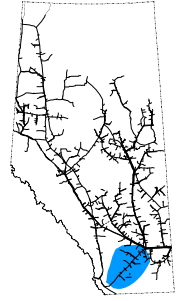
DESIGN CAPABILITY UTILIZATION UPSTREAM JAMES RIVER

(Edson Mainline, Peace River Design and Marten Hills)



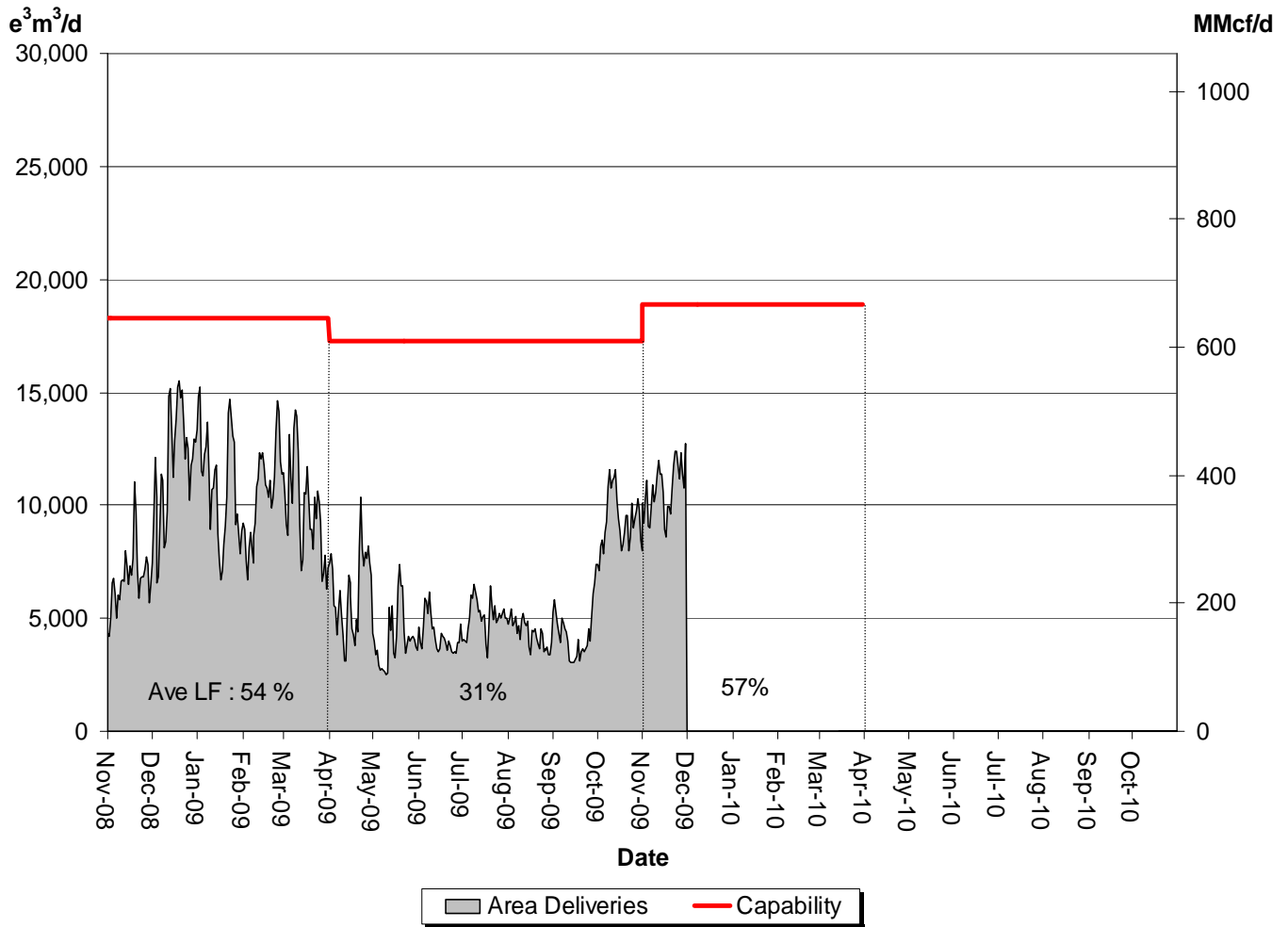
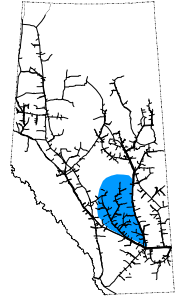
% Design Capability Utilization Monthly Average Actual Flow as a Percentage of Design Capability						
Average Flow/ Design Capability	Jun	Jul	Aug	Sep	Oct	Nov
	76	76	74	69	70	77

DESIGN CAPABILITY UTILIZATION SOUTH and ALDERSON



% Design Capability Utilization						
Monthly Average Actual Flow as a Percentage of Design Capability						
Average Flow/ Design Capability	Jun	Jul	Aug	Sep	Oct	Nov
	60	61	61	55	50	54

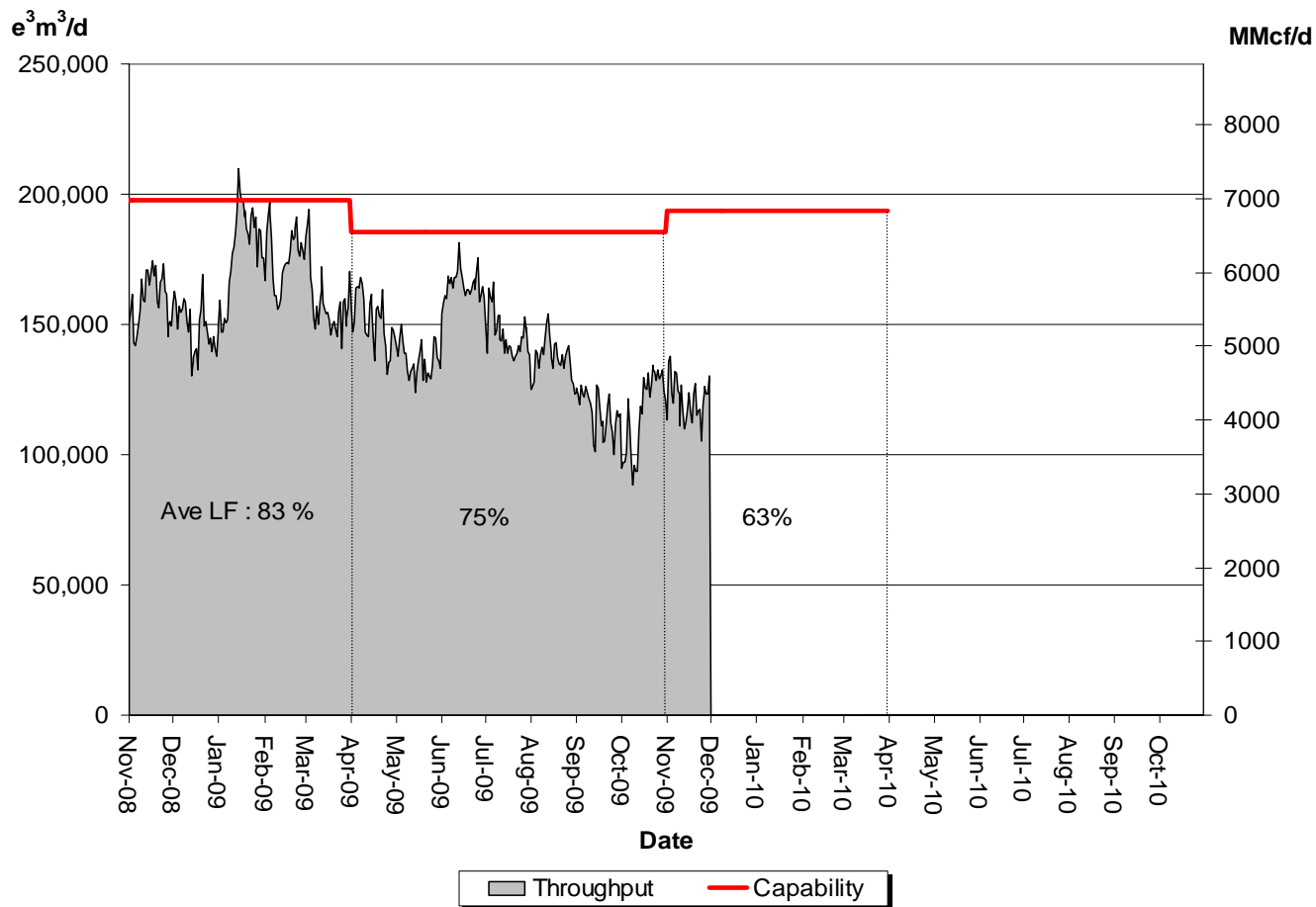
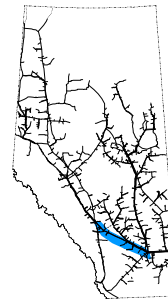
DESIGN CAPABILITY UTILIZATION RIMBEY-NEVIS – FLOW WITHIN



% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	Jun	Jul	Aug	Sep	Oct	Nov
	25	29	25	25	54	57

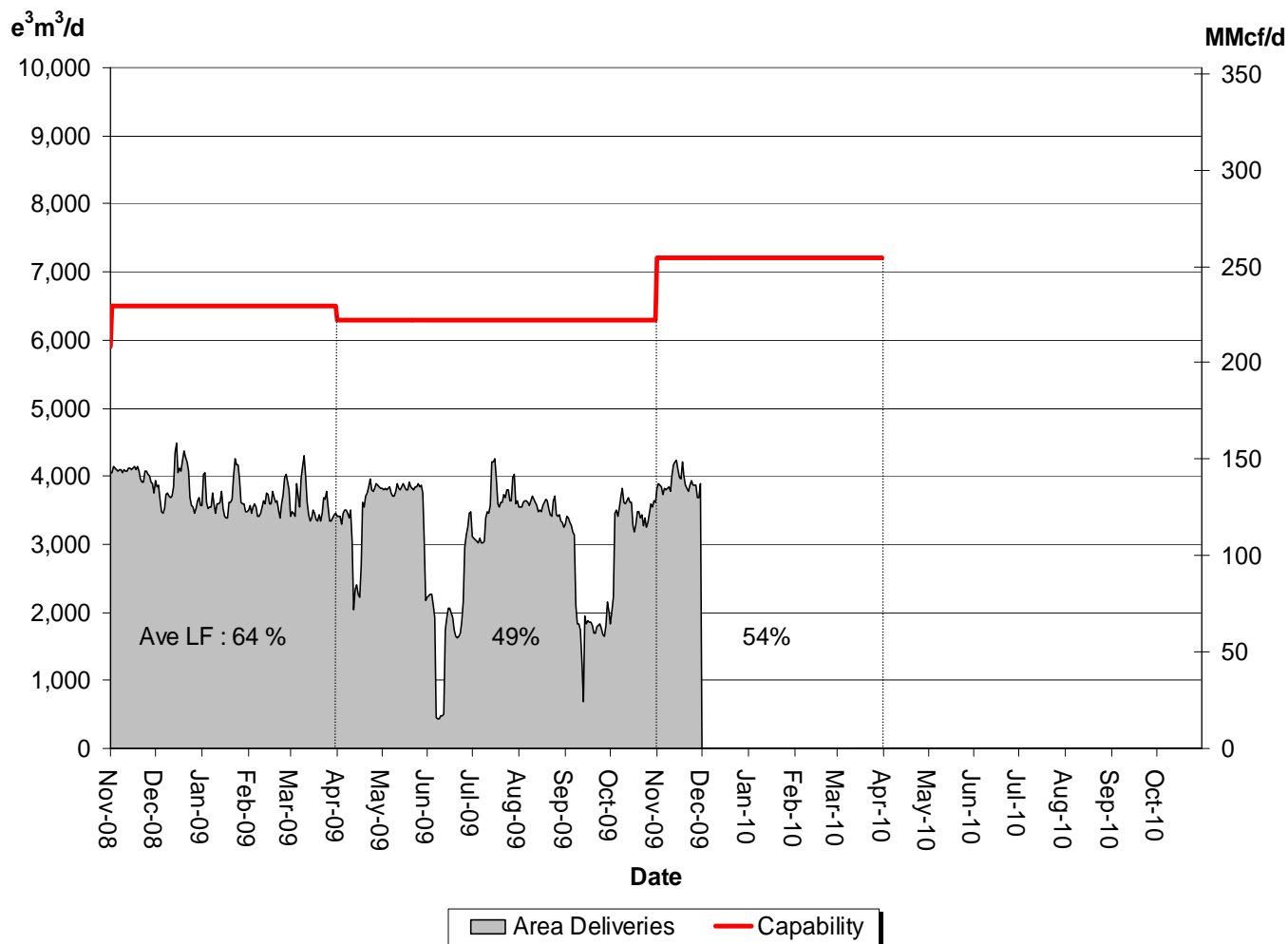
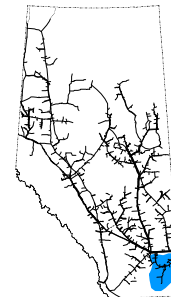
DESIGN CAPABILITY UTILIZATION EASTERN ALBERTA MAINLINE

(James River to Princess)



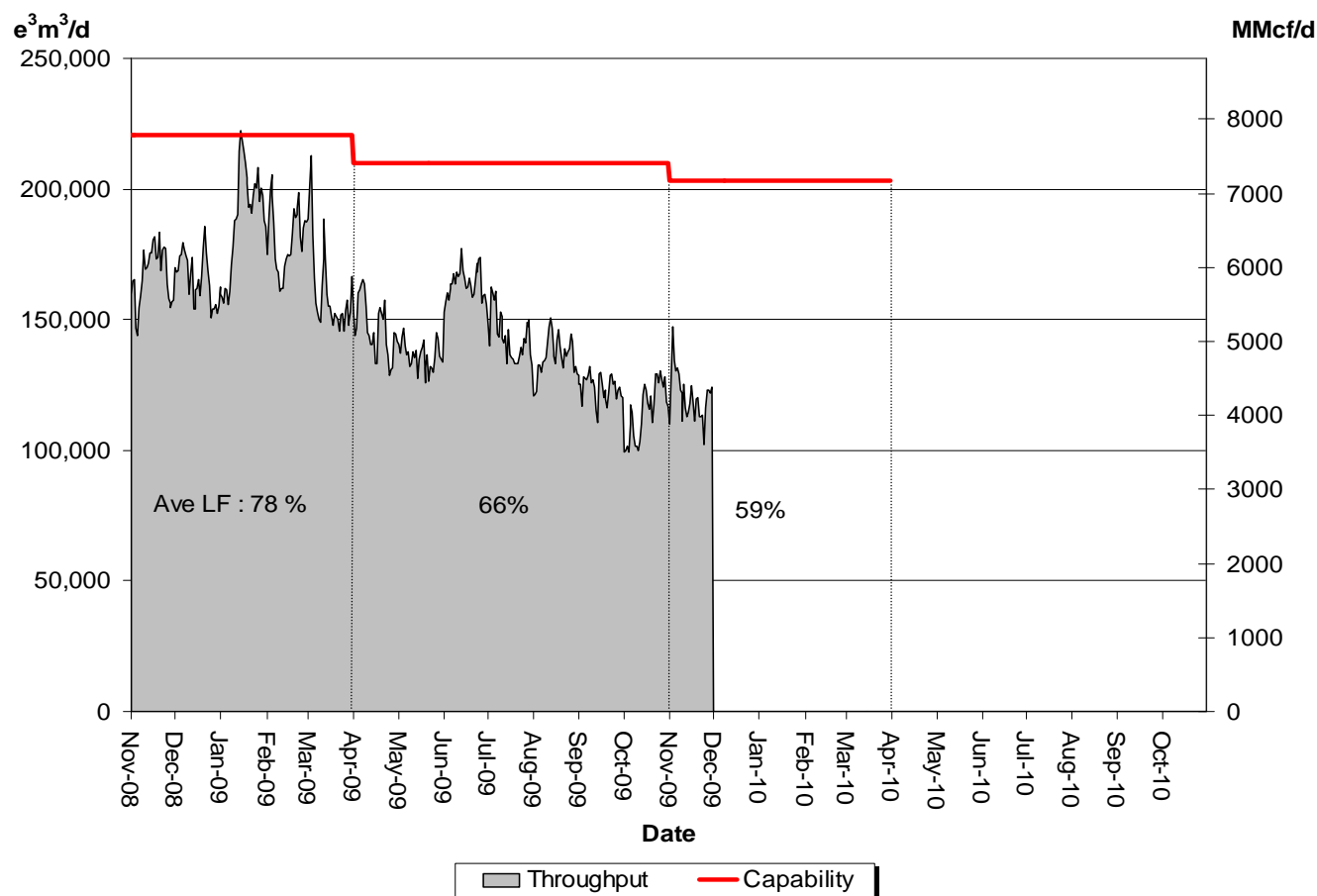
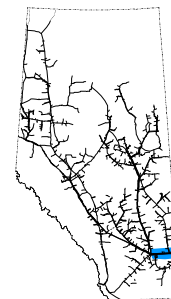
% Design Capability Utilization						
Monthly Average Actual Flow as a Percentage of Design Capability						
Average Flow/ Design Capability	Jun	Jul	Aug	Sep	Oct	Nov
	89	79	74	63	63	63

DESIGN CAPABILITY UTILIZATION MEDICINE HAT – FLOW WITHIN



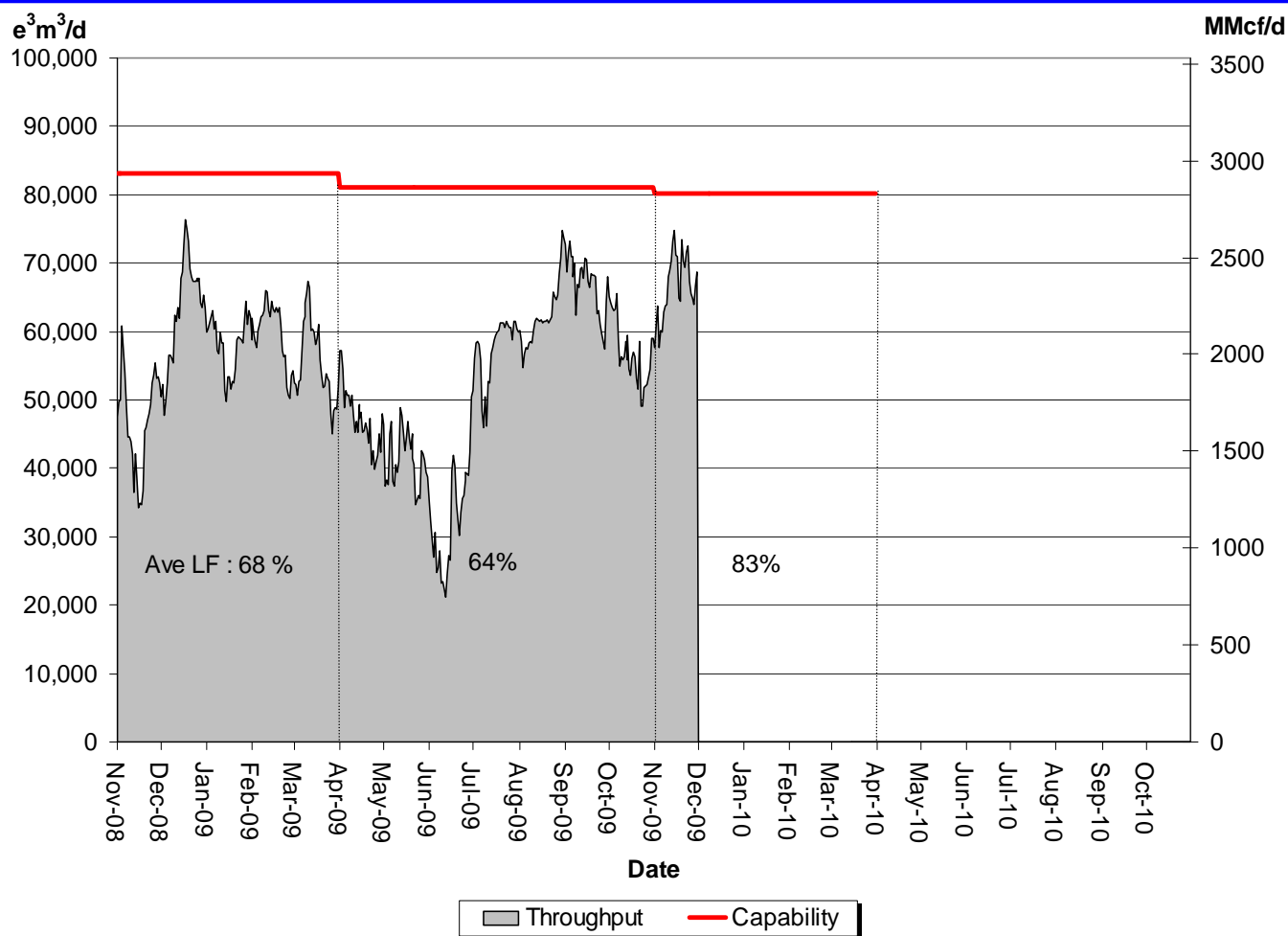
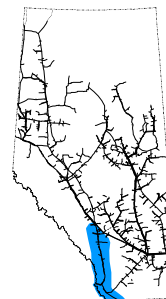
% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	Jun	Jul	Aug	Sep	Oct	Nov
	30	56	56	34	53	54

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



% Design Capability Utilization Average Actual Flow as a Percentage of Design Capability						
	Jun	Jul	Aug	Sep	Oct	Nov
Average Flow / Design Capability	78	68	65	59	55	59

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



% Design Capability Utilization Average Actual Flow as a Percentage of Design Capability						
	Jun	Jul	Aug	Sep	Oct	Nov
Average Flow / Design Capability	40	71	77	83	70	83

HISTORICAL TRANSPORTATION SERVICE AVAILABILITY

September 1, 2009 to November 30, 2009 (3 Month Average)

Receipt Area		IT-R Service	Firm Service	Firm Service	% CD		Causes/Comments ⁽³⁾
		Available	Available	Restriction	Restricted ⁽¹⁾		
	Segment	(% of time)	(% of time)	(% of time)	Max	Average	
Peace River	UPRM 1	0	87	13	8	5	NPS 20 Peace River Mainline Incident and Inspection
	PRLL 2	100	100	0	0	0	
	NWML 3	100	100	0	0	0	
	GRDL 4	100	100	0	0	0	
	WAEX 5	100	100	0	0	0	
	JUDY 24	100	100	0	0	0	
	WRSY 26	100	100	0	0	0	
	LPRM 27	100	100	0	0	0	
	GPML 7	100	100	0	0	0	
Central	CENT 8	100	100	0	0	0	
	LPOL 9	100	100	0	0	0	
North & East Upstream of Bens Lake	LIEG 10	100	100	0	0	0	
	KIRB 11	100	100	0	0	0	
	MRTN 6	100	100	0	0	0	
	SMHI 12	100	100	0	0	0	
	REDL 13	100	100	0	0	0	
	COLD 14	100	100	0	0	0	
Downstream of Bens Lake	NLAT 15	100	100	0	0	0	
	ELAT 16	100	100	0	0	0	
	WAIN 23	100	100	0	0	0	
Rimbey/Nevis	ALEG 17	100	100	0	0	0	
Eastern Mainline	BLEG 18	100	100	0	0	0	
	EGAT 19	100	100	0	0	0	
	MLAT 20	100	100	0	0	0	
	SLAT 22	100	100	0	0	0	
Western Mainline	WGAT 21	100	100	0	0	0	

Borders		IT-D Service	Firm Service	Firm Service	% CD Restricted ⁽¹⁾		Causes/Comments ⁽³⁾
	Available ⁽²⁾	Available ⁽²⁾	Available	Restriction			
	(% of time)	(% of time)	(% of time)	(% of time)	Max	Average	
Empress/McNeill		100	100	0	0	0	
Alberta-BC		100	100	0	0	0	
Gordondale		100	100	0	0	0	

(1) Percentage of CD restricted during periods of restriction.

(2) Represents percent of time full IT-D nominated available, does not include availability during partial restrictions.

(3) Pertains to FS Restrictions.

FUTURE FIRM TRANSPORTATION SERVICE AVAILABILITY (MAINLINE RESTRICTIONS)

Export Firm Transportation Guidelines

Firm Transportation Service Type	Authorize Firm Transportation Service By	To Ensure Firm Transportation Service By
Export Delivery	November 2010	November 2012

Estimated Firm Transportation Service Availability

**Please refer to the following web site for
current FT-R Availability Map:**

http://www.transcanada.com/customerexpress/docs/ab_ftr_availability_map/external_map.pdf

Receipt Firm Transportation Guidelines

Firm Transportation Service Type	Authorize Firm Transportation Service By	To Ensure Firm Transportation Service By
Receipt - Summer construction (generally south of Edmonton)	November 2010	November 2012
Receipt - Winter construction (generally north of Edmonton)	November 2010	April 2013

➤ 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 for each season. Data used in these reports lags the current date by 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.

HOW TO USE THIS REPORT - continued

Historical Transportation Service Availability

Transportation Service Availability is a system utilization measure that identifies the degree to which firm and interruptible transportation services are available on the NGTL system. It includes the historical frequency of service restriction experienced by the gas transmission network by service type and by pipeline segment.

The data shows the percentage of a given time period that a service type was available for a given section of the system. Service availability less than 100 percent means that some level of transportation service has been restricted for a portion of the time period.

Priority of transportation service on the NGTL system is firm transportation service, and then interruptible (IT). If transportation is restricted within a segment, all service within that segment of a lower priority will be affected.

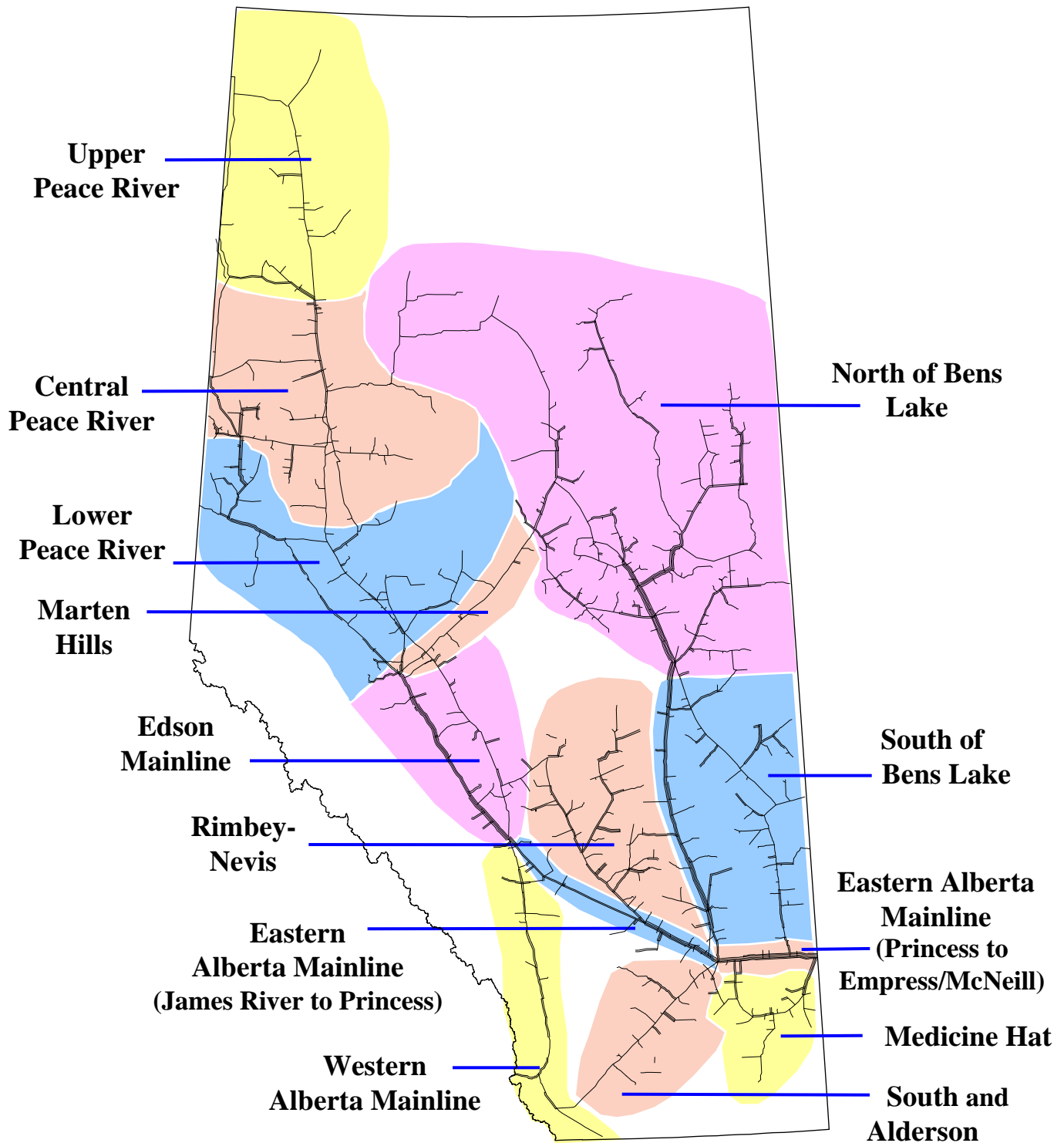
Service availability is affected by a number of factors including scheduled and unscheduled maintenance, construction or other outages.

As a monthly feature the Historical Transportation Service Availability is shown as a three-month rolling average of transportation availability.

Future Firm Transportation Service Availability

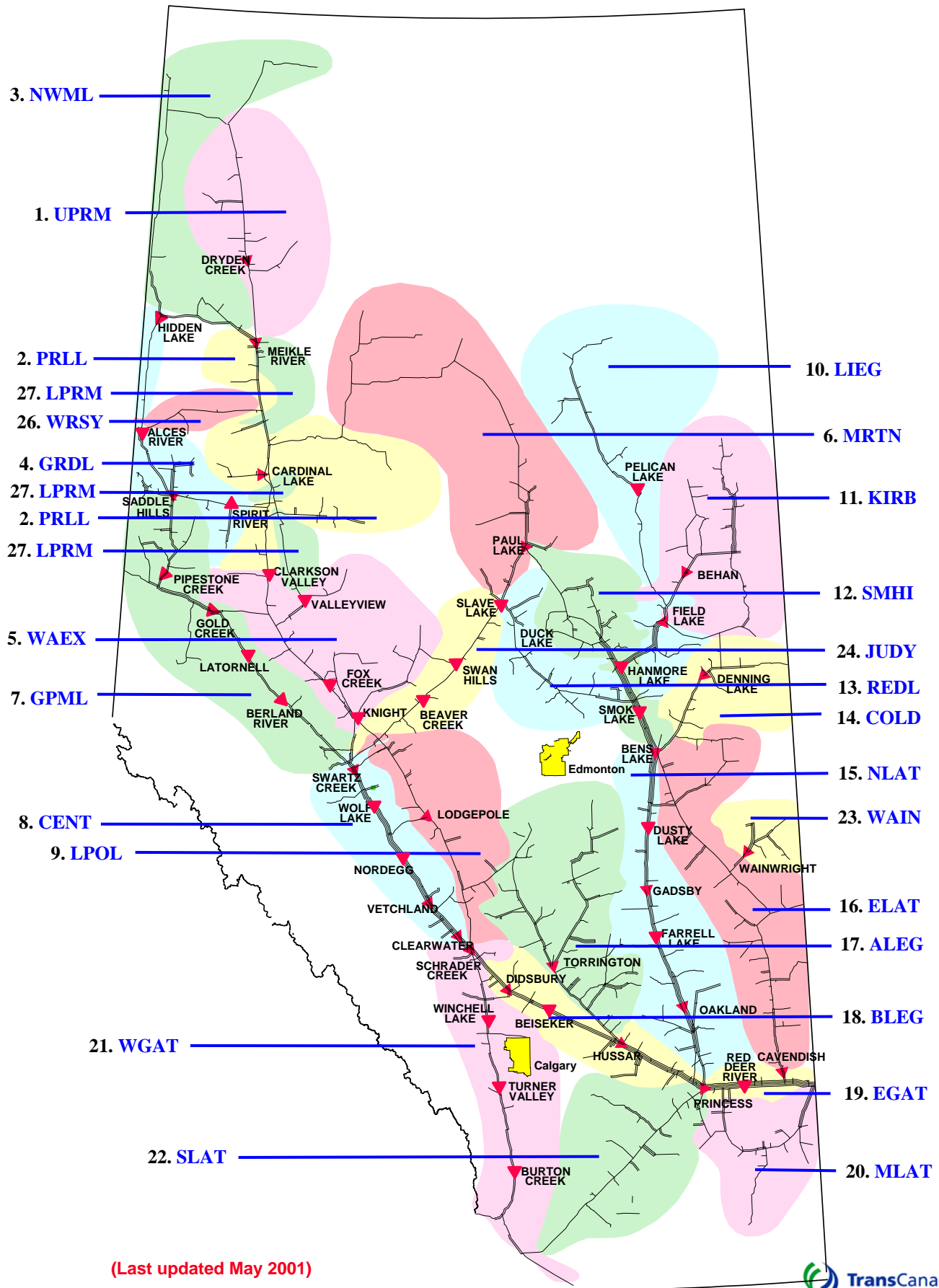
The Future Firm Transportation Service Availability report presents guidelines and timing for all future firm transportation service requests.

NGTL DESIGN AREAS



(Last updated January 2007)

NGTL PIPELINE SEGMENTS



(Last updated May 2001)

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-Alberta 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.

IT-2 Service Available

The percentage of time that IT-2 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