SYSTEM UTILIZATION AND RELIABILITY MONTHLY REPORT

for the month ending
April, 2010

Published date:
October 19, 2010

Highlights This Month:

- Starting with the 2009/10 Gas Year, 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 March 1, 2010 – May 31, 2010 was deemed to be 100% available in all pipe segments.

- Border Availability at Empress/McNeill, Gordondale and Alberta/BC, over a 3 month average from March 1, 2010 – May 31, 2010, were all deemed 100% available.

TABLE OF CONTENTS

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 SERVICE[1] CONTRACT UTILIZATION[2]

By NGTL Pipeline Segments

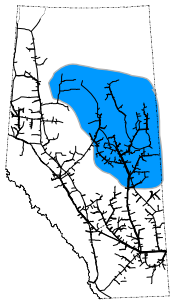
Segment	Receipt Contract	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	May CD (mmcf/d)
UPRM [4]	FT	80%	84%	68%	85%	92%	94%	140
	FT + IT	89%	90%	71%	90%	99%	100%	
LPRM [4]	FT	86%	86%	86%	86%	86%	93%	16
	FT + IT	101%	107%	110%	109%	124%	127%	
PRLL [4]	FT	91%	91%	92%	93%	94%	94%	161
	FT + IT	103%	106%	108%	110%	118%	118%	
NWML [4]	FT	91%	95%	97%	97%	97%	96%	400
	FT + IT	94%	101%	103%	102%	105%	104%	
GRDL [4]	FT	92%	94%	95%	76%	76%	76%	292
	FT + IT	112%	121%	119%	94%	107%	108%	
WRSY [4]	FT	95%	97%	98%	96%	95%	95%	32
	FT + IT	123%	137%	134%	130%	135%	150%	
WAEX	FT	85%	94%	94%	94%	93%	93%	254
	FT + IT	117%	133%	144%	151%	186%	169%	
JUDY	FT	93%	94%	97%	98%	99%	99%	93
	FT + IT	111%	108%	118%	119%	132%	130%	
GPML	FT	88%	93%	95%	96%	97%	97%	2,187
	FT + IT	97%	104%	110%	111%	118%	115%	
CENT	FT	95%	92%	97%	98%	96%	97%	900
	FT + IT	112%	117%	119%	121%	129%	122%	
LPOL	FT	90%	84%	91%	96%	98%	99%	428
	FT + IT	112%	111%	118%	125%	137%	126%	
WGAT	FT	94%	96%	95%	94%	92%	91%	355
	FT + IT	127%	129%	125%	123%	115%	118%	
ALEG	FT	94%	96%	96%	98%	97%	96%	932
	FT + IT	115%	120%	122%	124%	125%	124%	
SLAT	FT	95%	96%	98%	97%	96%	97%	245
	FT + IT	116%	117%	124%	126%	127%	127%	
MLAT	FT	95%	95%	95%	97%	96%	95%	246
	FT + IT	106%	106%	107%	111%	114%	111%	
BLEG	FT	94%	96%	96%	98%	94%	97%	597
	FT + IT	102%	105%	107%	109%	106%	111%	
EGAT	FT	92%	94%	94%	96%	94%	94%	47
	FT + IT	268%	117%	118%	122%	113%	114%	
MRTN	FT	83%	82%	87%	85%	89%	87%	137
	FT + IT	101%	102%	108%	110%	110%	105%	
LIEG	FT	47%	49%	66%	67%	68%	71%	81
	FT + IT	90%	92%	95%	100%	104%	104%	
KIRB	FT	78%	80%	78%	78%	79%	83%	92
	FT + IT	94%	100%	106%	108%	107%	107%	
SMHI	FT	81%	78%	83%	82%	87%	90%	63
	FT + IT	118%	121%	128%	133%	144%	155%	
REDL	FT	77%	81%	82%	83%	90%	90%	61
	FT + IT	147%	156%	149%	147%	152%	155%	
COLD	FT	77%	78%	87%	76%	85%	86%	44
	FT + IT	116%	117%	120%	124%	115%	119%	
NLAT	FT	92%	95%	95%	96%	97%	96%	217
	FT + IT	113%	118%	119%	123%	131%	128%	
WAIN	FT	72%	84%	83%	86%	93%	94%	15
	FT + IT	100%	109%	108%	116%	127%	135%	
ELAT	FT	93%	93%	94%	95%	96%	95%	136
	FT + IT	128%	132%	131%	136%	143%	143%	
TOTAL SYSTEM	FT	90%	92%	94%	94%	95%	95%	8,171
	FT + IT	108%	112%	115%	116%	122%	119%	

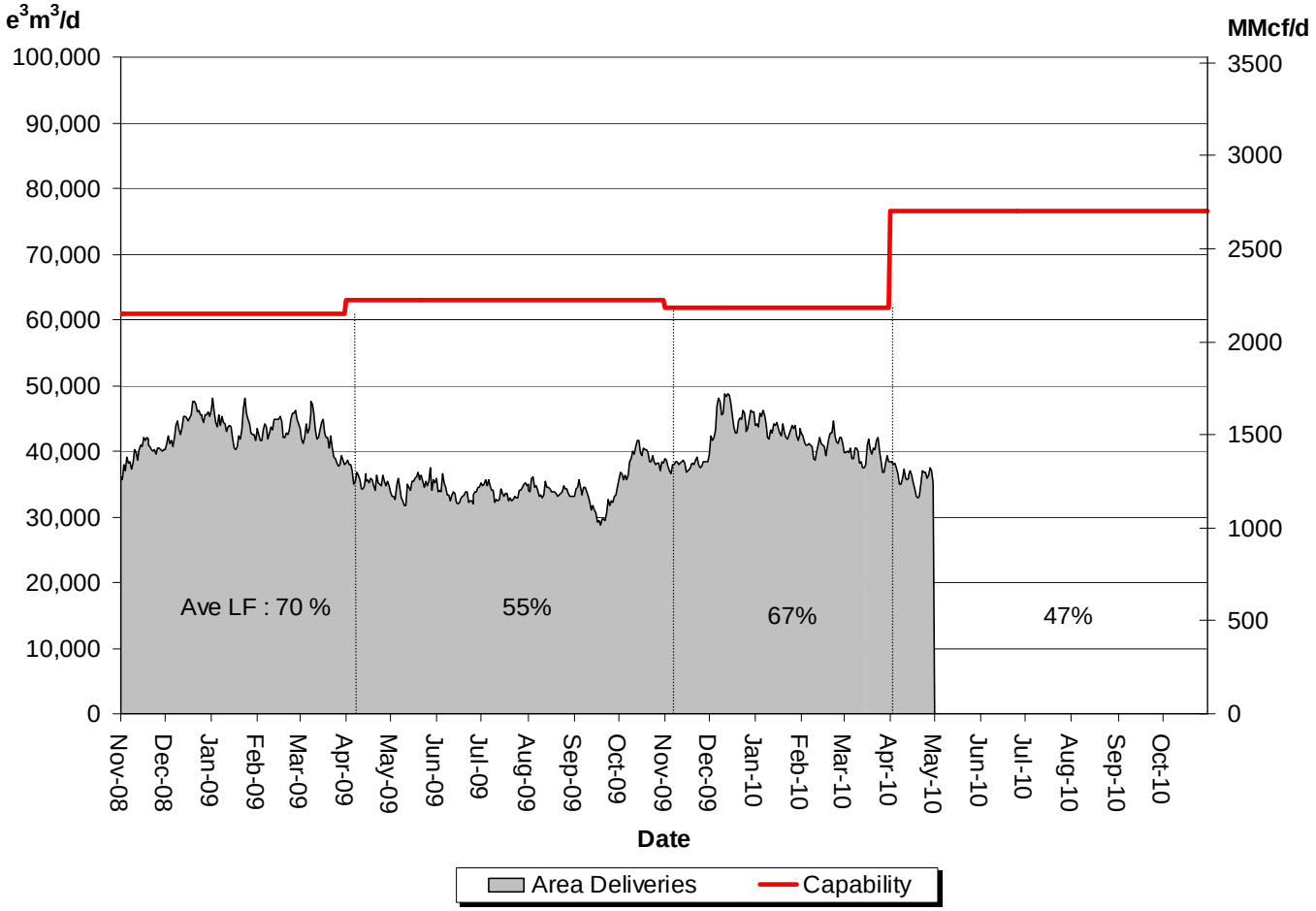
Segment	Delivery Contract	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	May CD (GJ/d)
Empress	FT	96%	98%	96%	97%	87%	87%	2,788,974
	FT + IT	106%	113%	111%	102%	97%	97%	
McNeill	FT	100%	99%	99%	99%	99%	100%	1,673,995
	FT + IT	133%	126%	141%	130%	138%	140%	
ABC	FT	95%	88%	89%	93%	92%	77%	2,355,330
	FT + IT	97%	89%	89%	95%	94%	77%	

***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



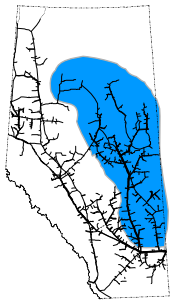


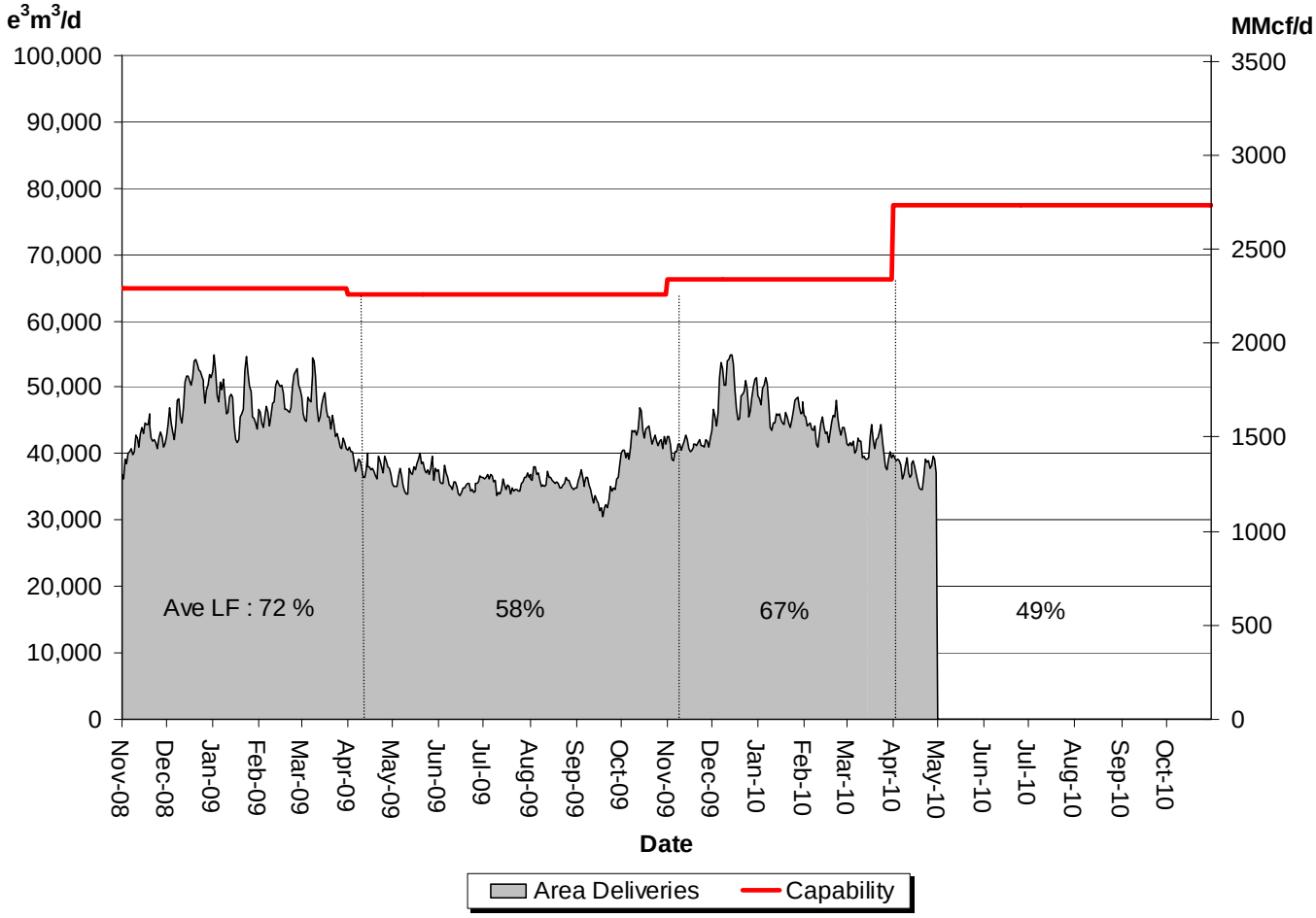
% Design Capability Utilization

Monthly Average Area Deliveries as a Percentage of Design Capability

Average Flow/ Design Capability	Dec	Jan	Feb	Mar	Apr	May
	73	70	67	64	47	49

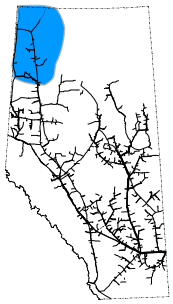
DESIGN CAPABILITY UTILIZATION
NORTH & SOUTH OF BENS LAKE – FLOW WITHIN

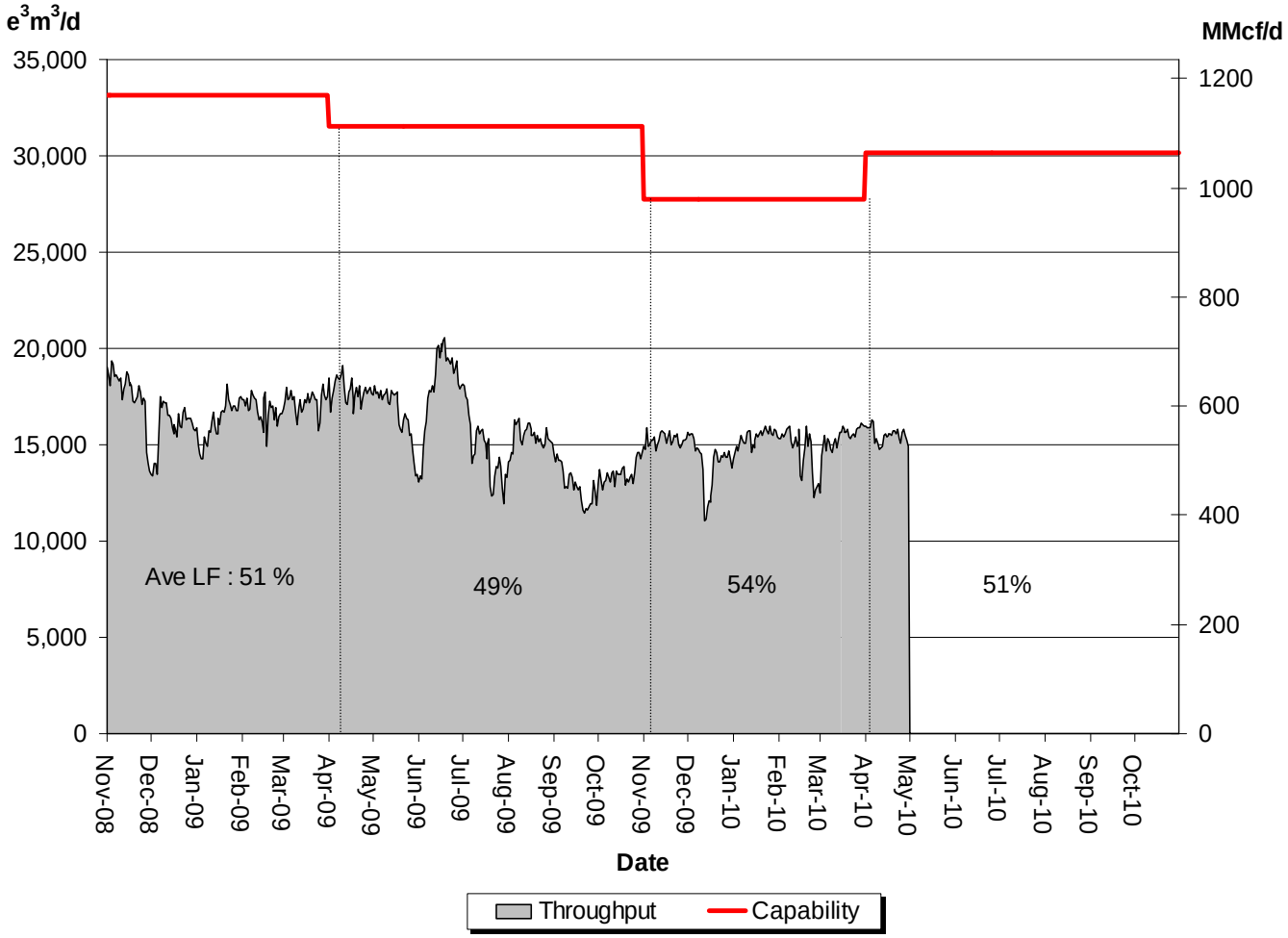




% Design Capability Utilization Monthly Average Actual Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	Dec	Jan	Feb	Mar	Apr	May
	75	71	67	62	49	50

DESIGN CAPABILITY UTILIZATION
UPPER PEACE RIVER



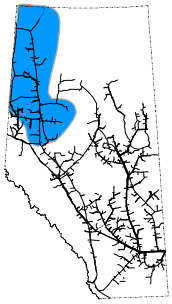


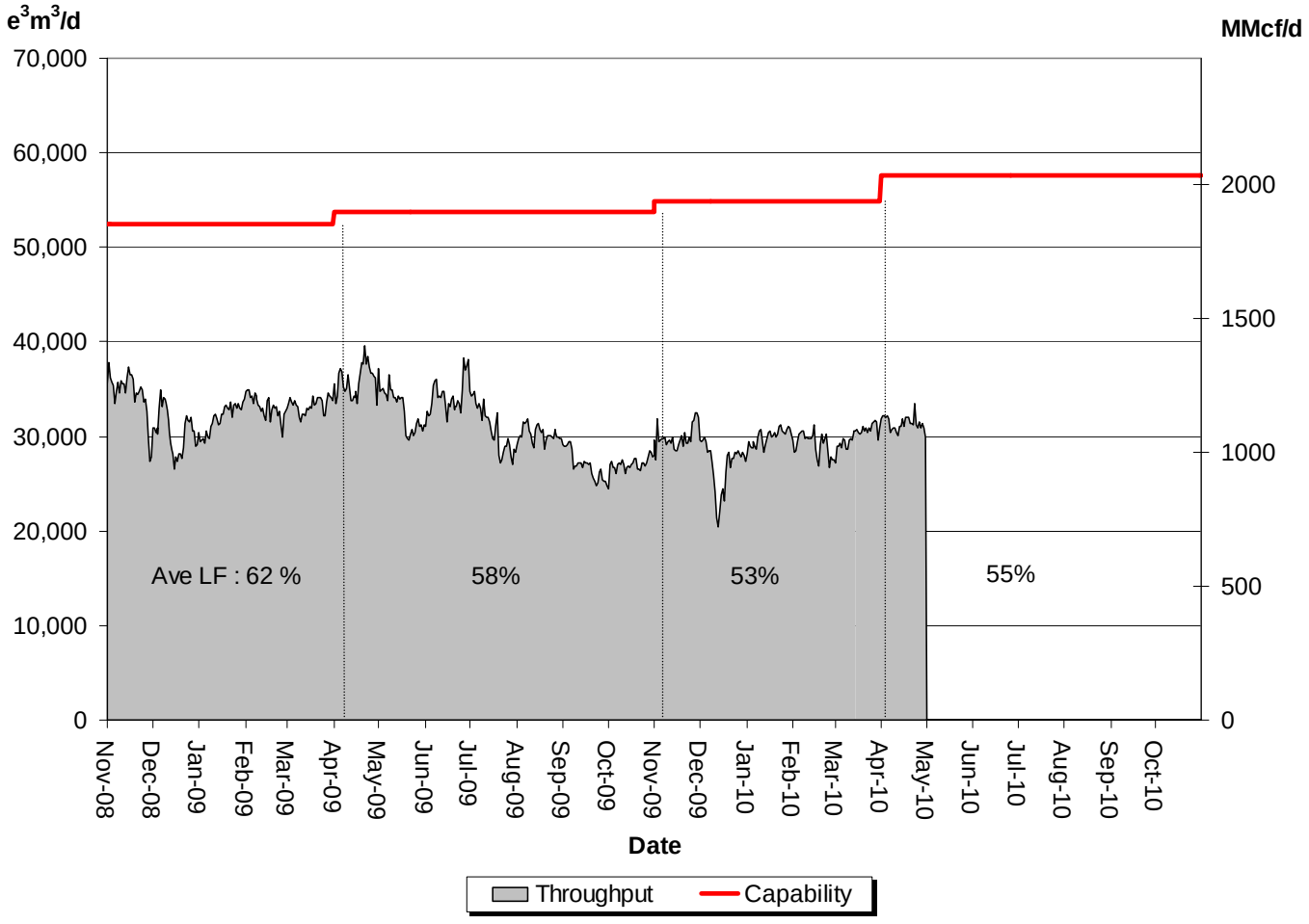
% Design Capability Utilization

Monthly Average Actual Flow as a Percentage of Design Capability

Average Flow/ Design Capability	Dec	Jan	Feb	Mar	Apr	May
	51	55	53	55	51	51

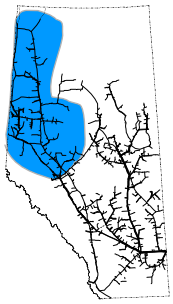
DESIGN CAPABILITY UTILIZATION
UPPER and CENTRAL PEACE RIVER

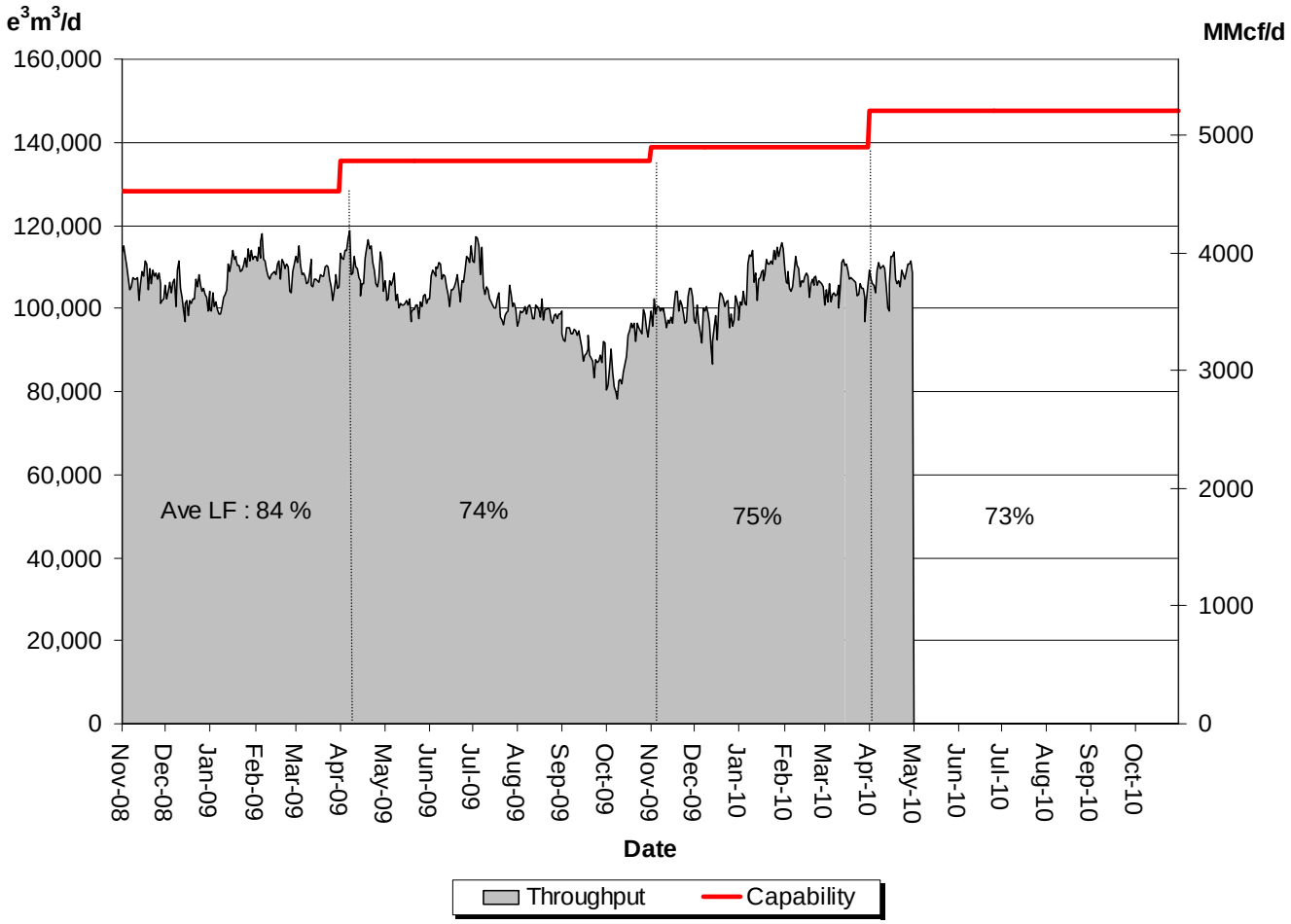




% Design Capability Utilization Monthly Average Actual Flow as a Percentage of Capability						
Average Flow/ Design Capability	Dec 49	Jan 54	Feb 53	Mar 55	Apr 55	May 54

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

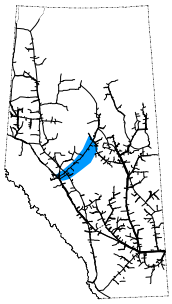


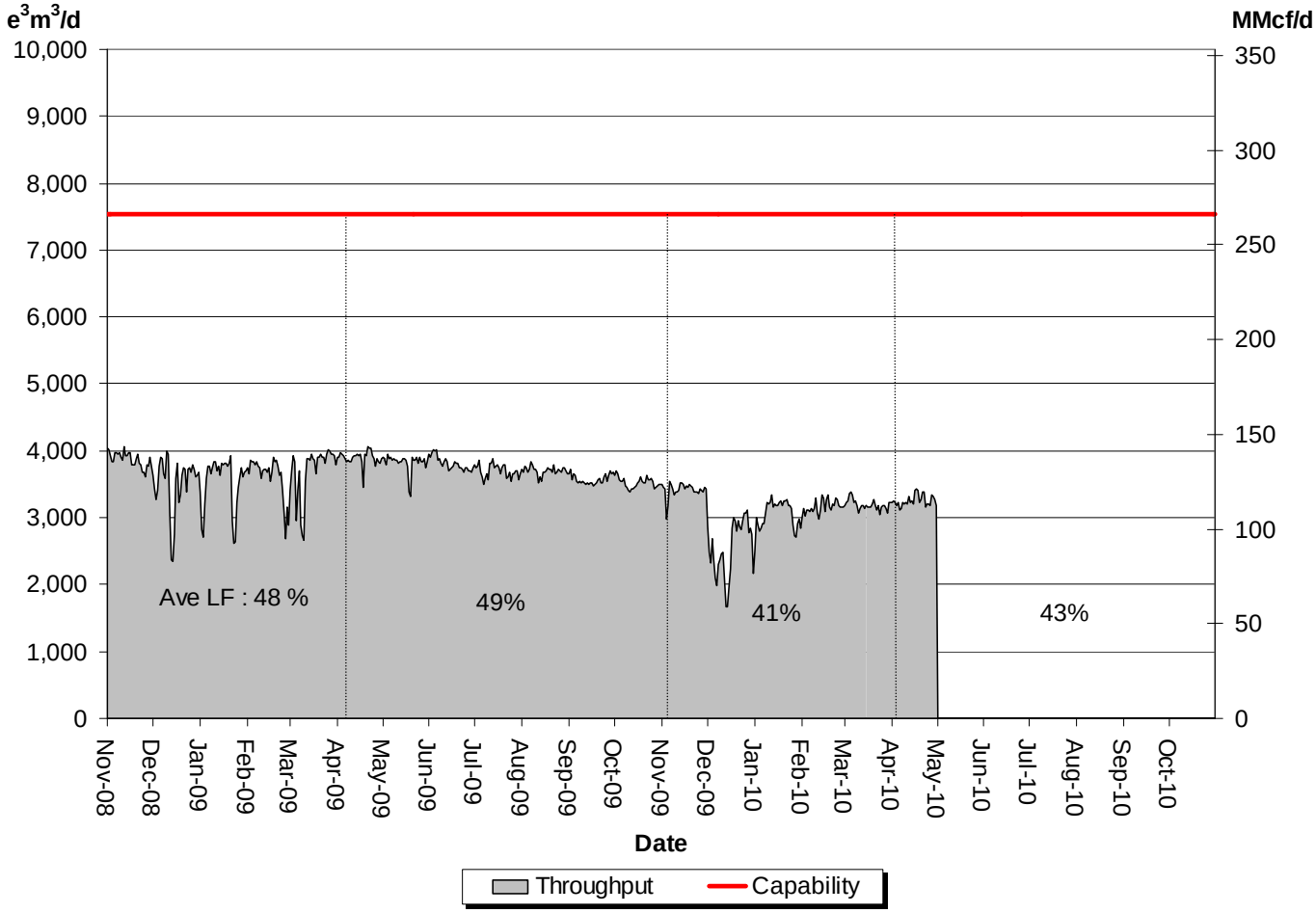


% Design Capability Utilization
Monthly Average Actual Flow as a Percentage of Design Capability

Average Flow/ Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	72	70	78	77	76	73

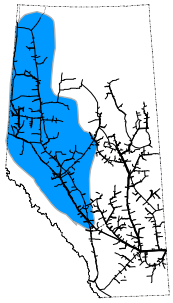
DESIGN CAPABILITY UTILIZATION
MARTEN HILLS

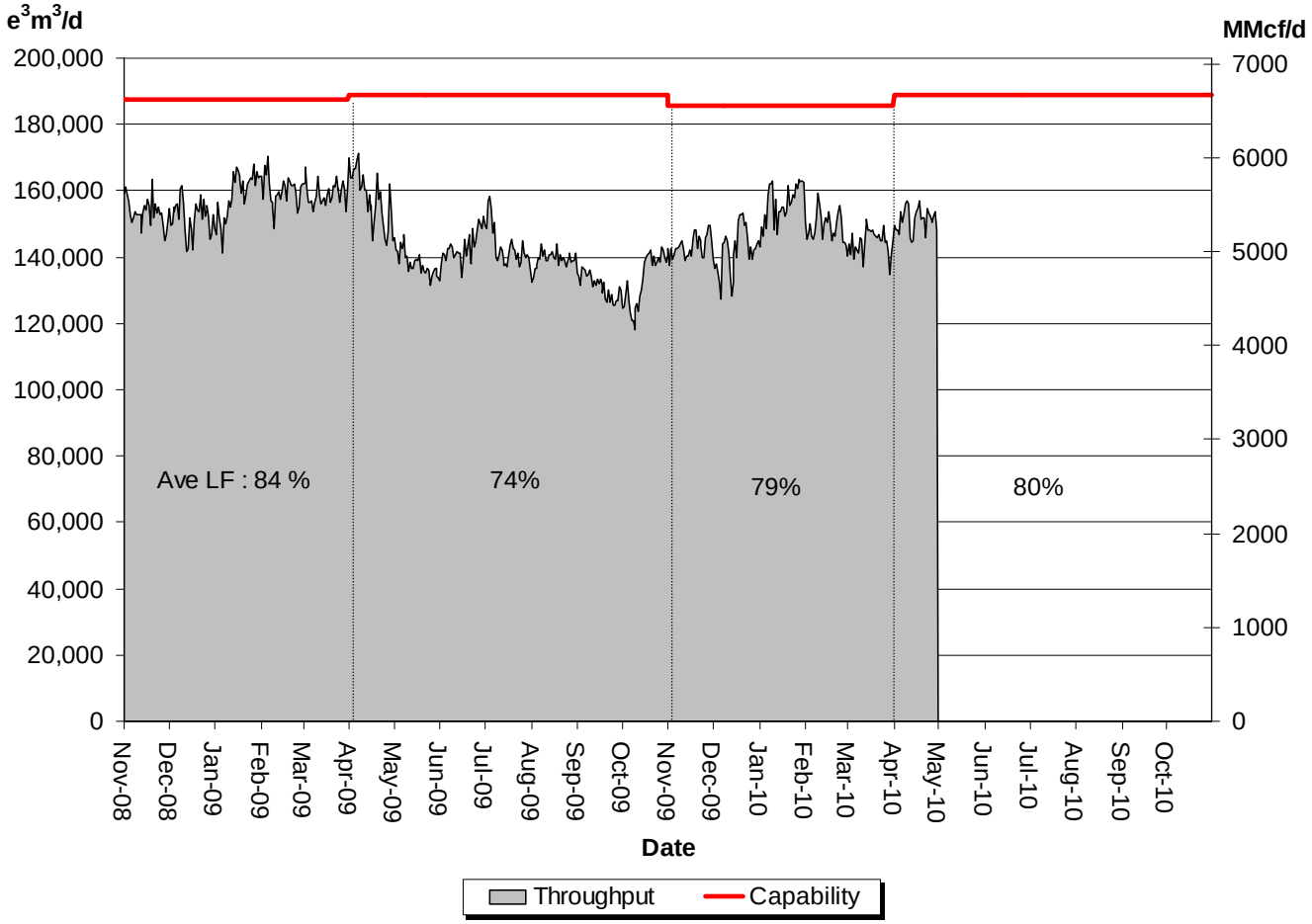




% Design Capability Utilization Monthly Average Actual Flow as a Percentage of Design Capability						
Average Flow/ Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	45	34	40	42	42	43

DESIGN CAPABILITY UTILIZATION
UPSTREAM JAMES RIVER
(Edson Mainline, Peace River Design and Marten Hills)

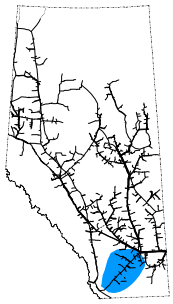


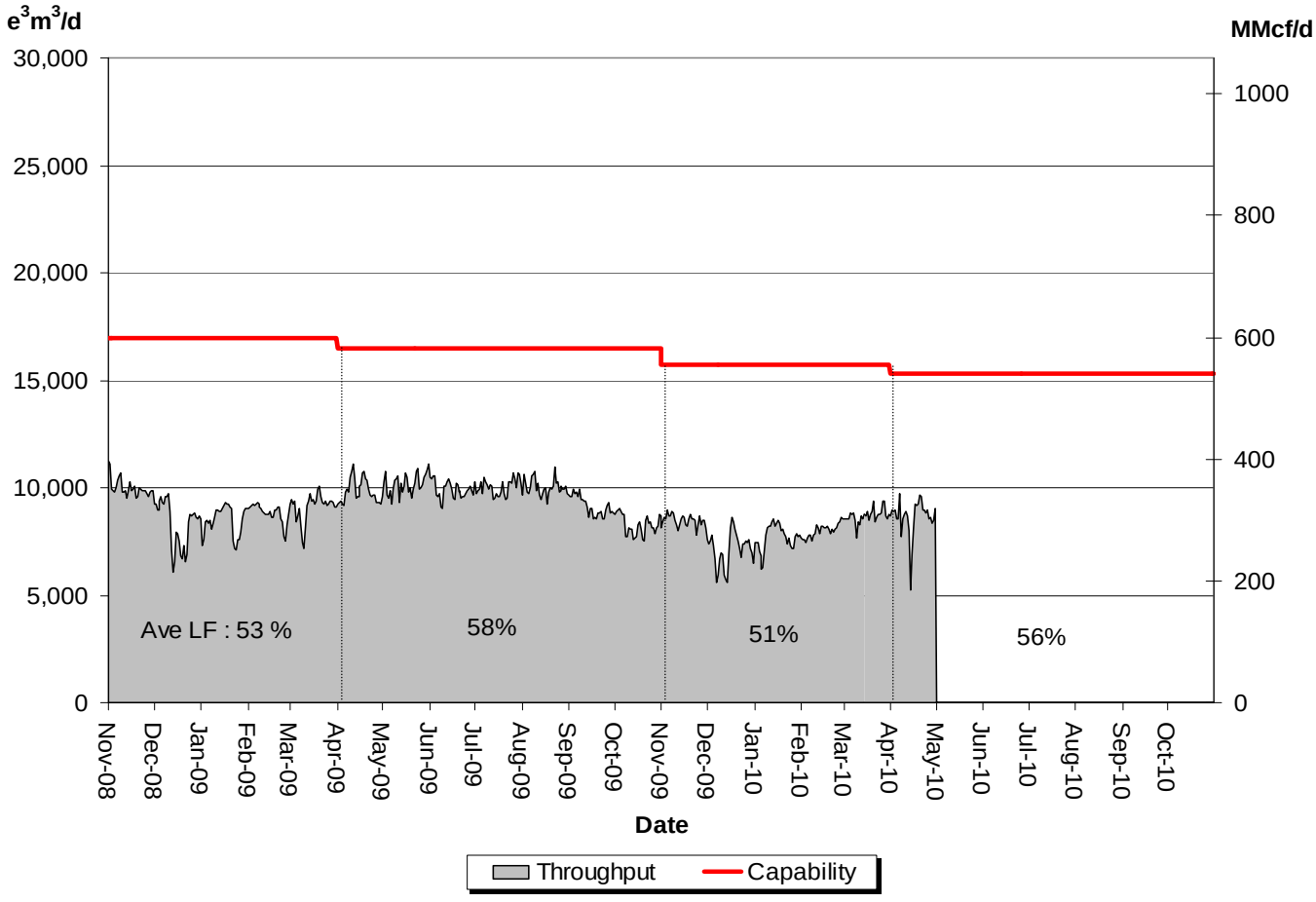


% Design Capability Utilization
Monthly Average Actual Flow as a Percentage of Design Capability

Average Flow/ Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	77	76	84	80	78	80

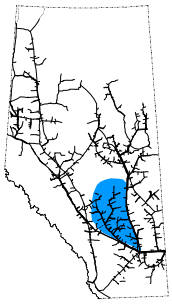
DESIGN CAPABILITY UTILIZATION
SOUTH and ALDERSON

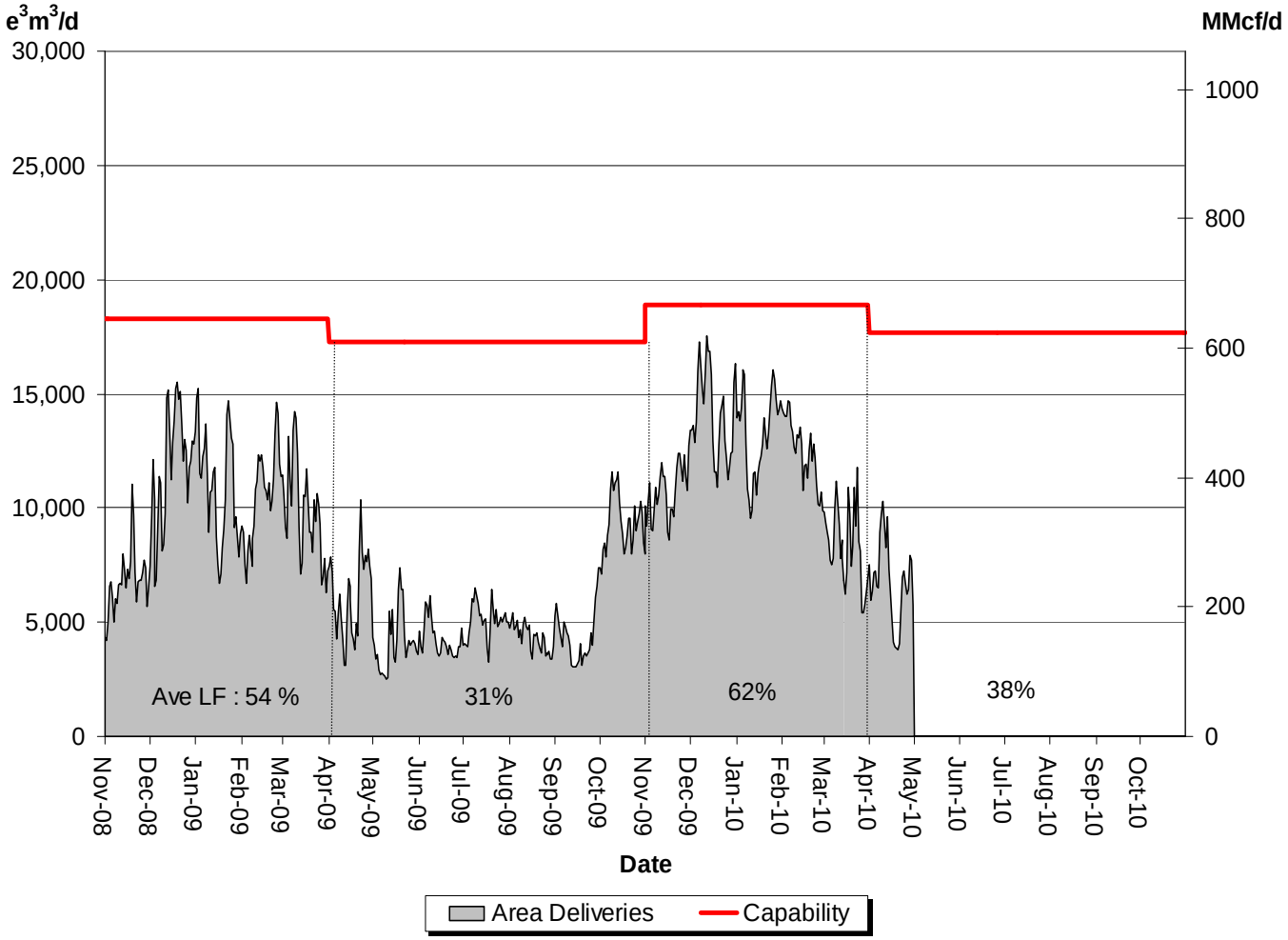




% Design Capability Utilization Monthly Average Actual Flow as a Percentage of Design Capability						
Average Flow/ Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	54	45	49	51	55	56

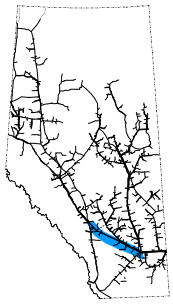
DESIGN CAPABILITY UTILIZATION
RIMBEY-NEVIS – FLOW WITHIN

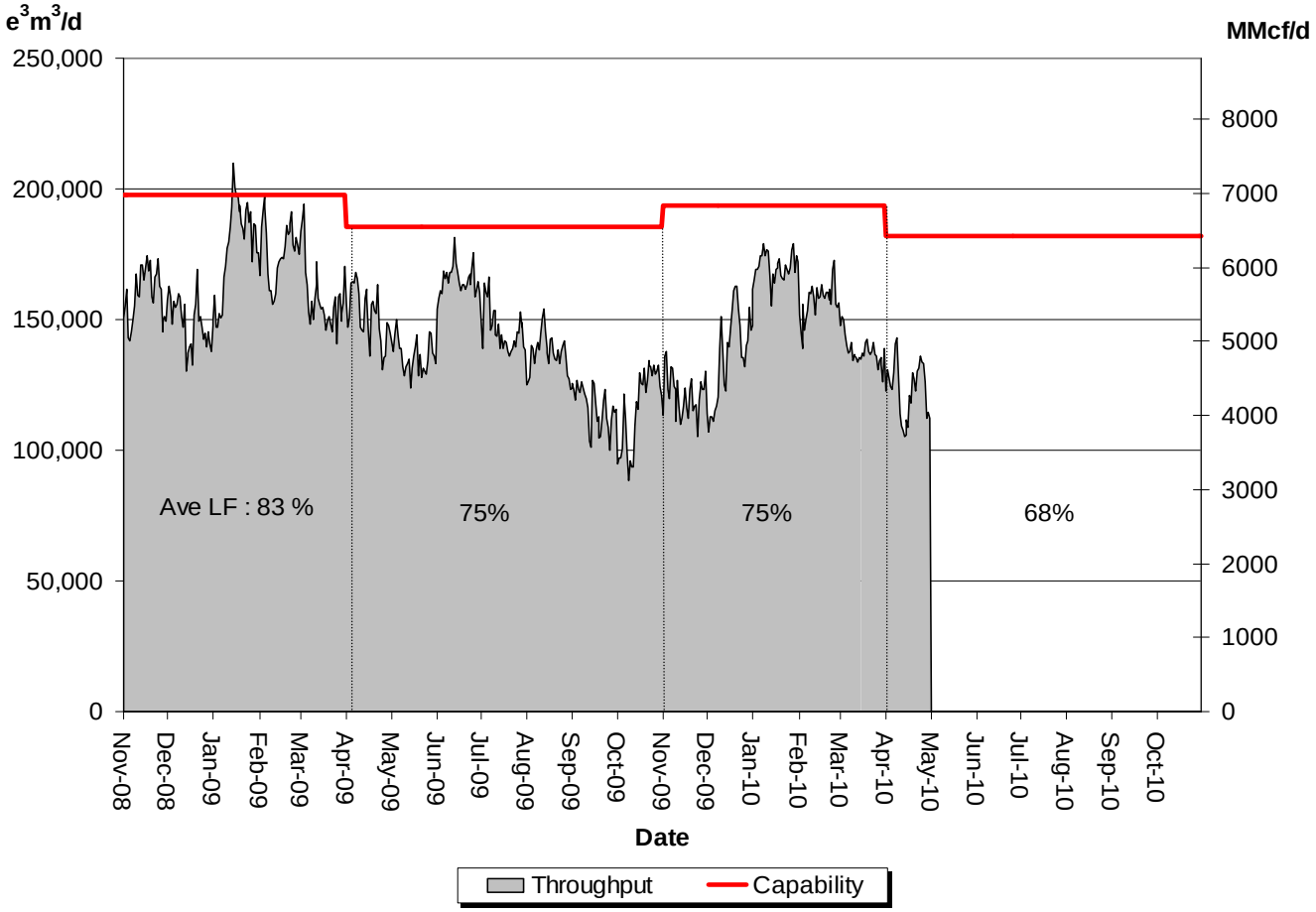




% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	Nov 57	Dec 75	Jan 70	Feb 66	Mar 44	Apr 38

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



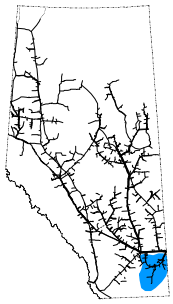


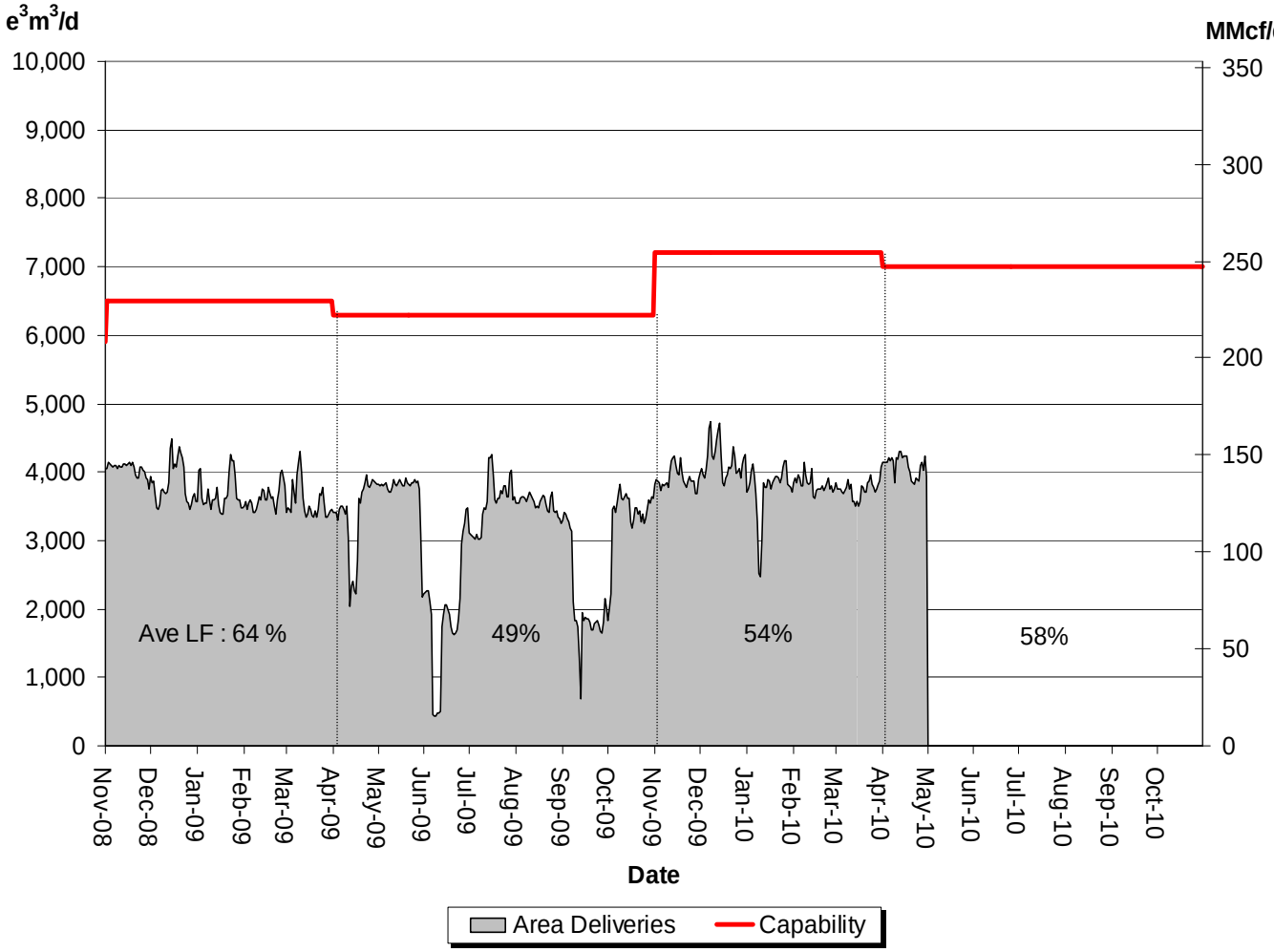
% Design Capability Utilization

Monthly Average Actual Flow as a Percentage of Design Capability

Average Flow/ Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	63	70	88	81	71	68

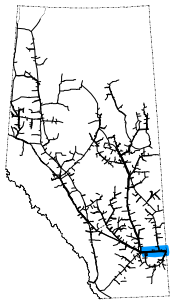
DESIGN CAPABILITY UTILIZATION
MEDICINE HAT – FLOW WITHIN

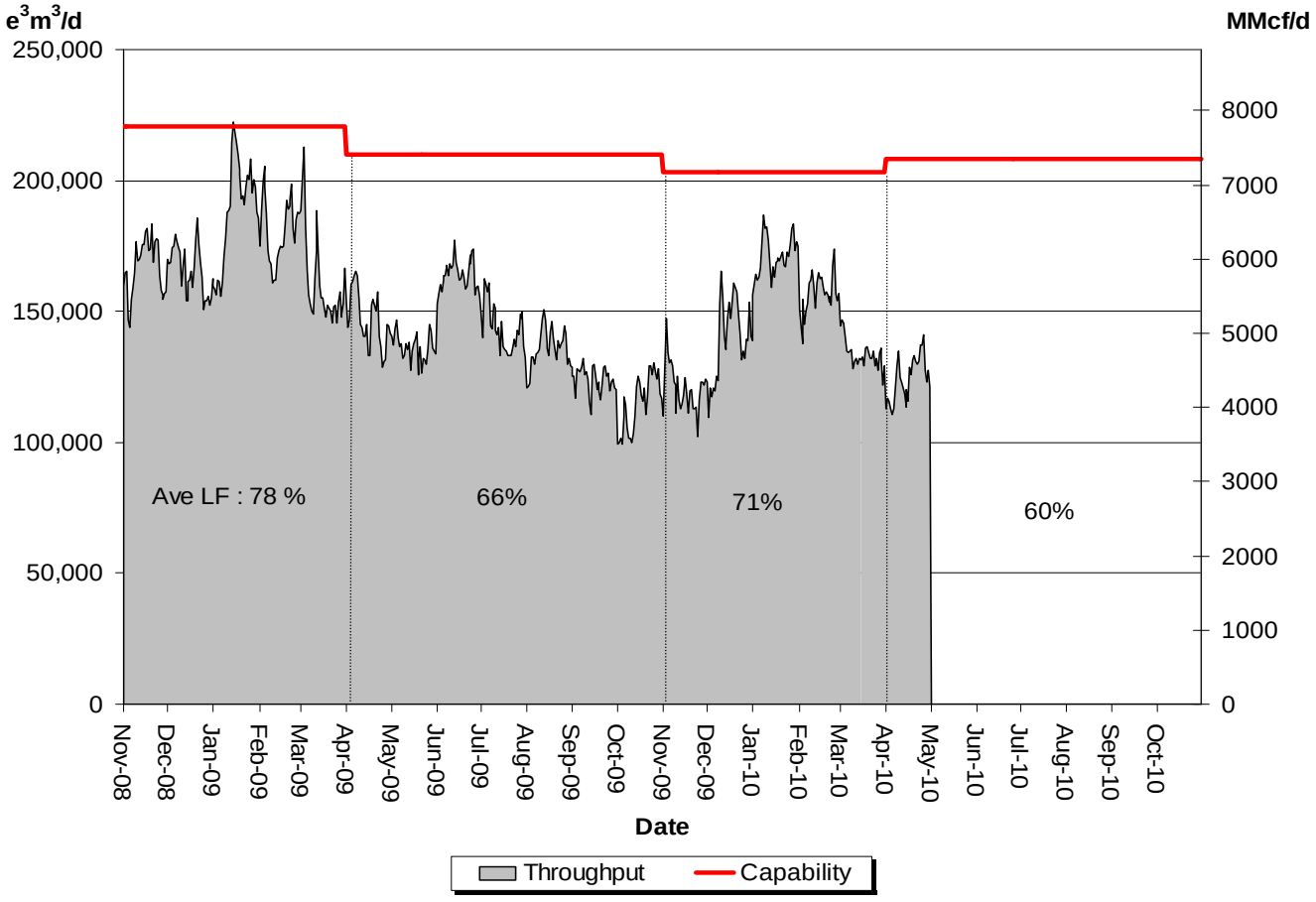




% Design Capability Utilization Monthly Average Area Deliveries as a Percentage of Design Capability						
Average Flow/ Design Capability	Nov 54	Dec 58	Jan 52	Feb 53	Mar 52	Apr 58

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



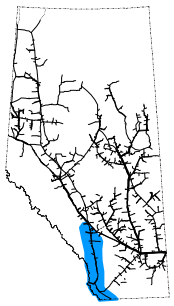


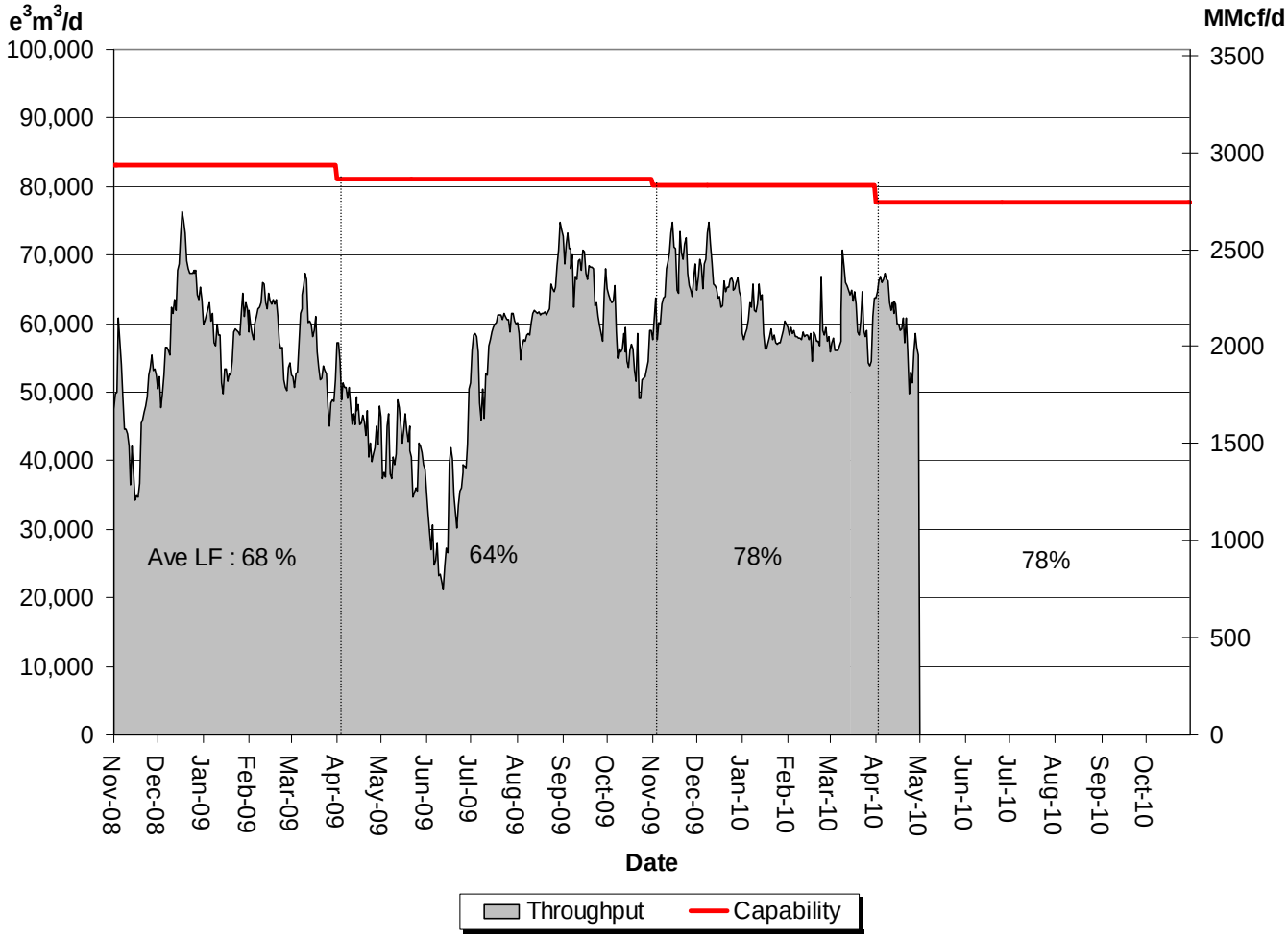
% Design Capability Utilization

Average Actual Flow as a Percentage of Design Capability

Average Flow / Design Capability	Nov	Dec	Jan	Feb	Mar	Apr
	59	69	84	77	66	60

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						
Average Flow / Design Capability	Nov 83	Dec 83	Jan 74	Feb 73	Mar 75	Apr 78

HISTORICAL TRANSPORTATION SERVICE AVAILABILITY

February 1, 2010 to April 30, 2010 (3 Month Average)

Receipt Area	Segment	IT-R Service Available (% of time)	Firm Service Available (% of time)	Firm Service Restriction (% of time)	% CD Restricted[1] Max	% CD Restricted[1] Average	Causes/Comments [3]
Peace River	UPRM 1	0	100	0	0	0	NPS 20 Peace River Mainline Incident, Inspection and Repair
	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	LIEG 10	100	100	0	0	0	
of Bens Lake	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	NLAT 15	100	100	0	0	0	
Bens Lake	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	Available[2] (% of time)	IT-D Service Available[2] (% of time)	Firm Service Available (% of time)	Firm Service Restriction (% of time)	% CD Restricted[1] Max	% CD Restricted[1] Average	Causes/Comments [3]
Empress/McNeill		100	100	0	0	0	
Alberta-BC		100	100	0	0	0	
Gordondale		100	100	0	0	0	

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

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.

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

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 26NGTL 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.

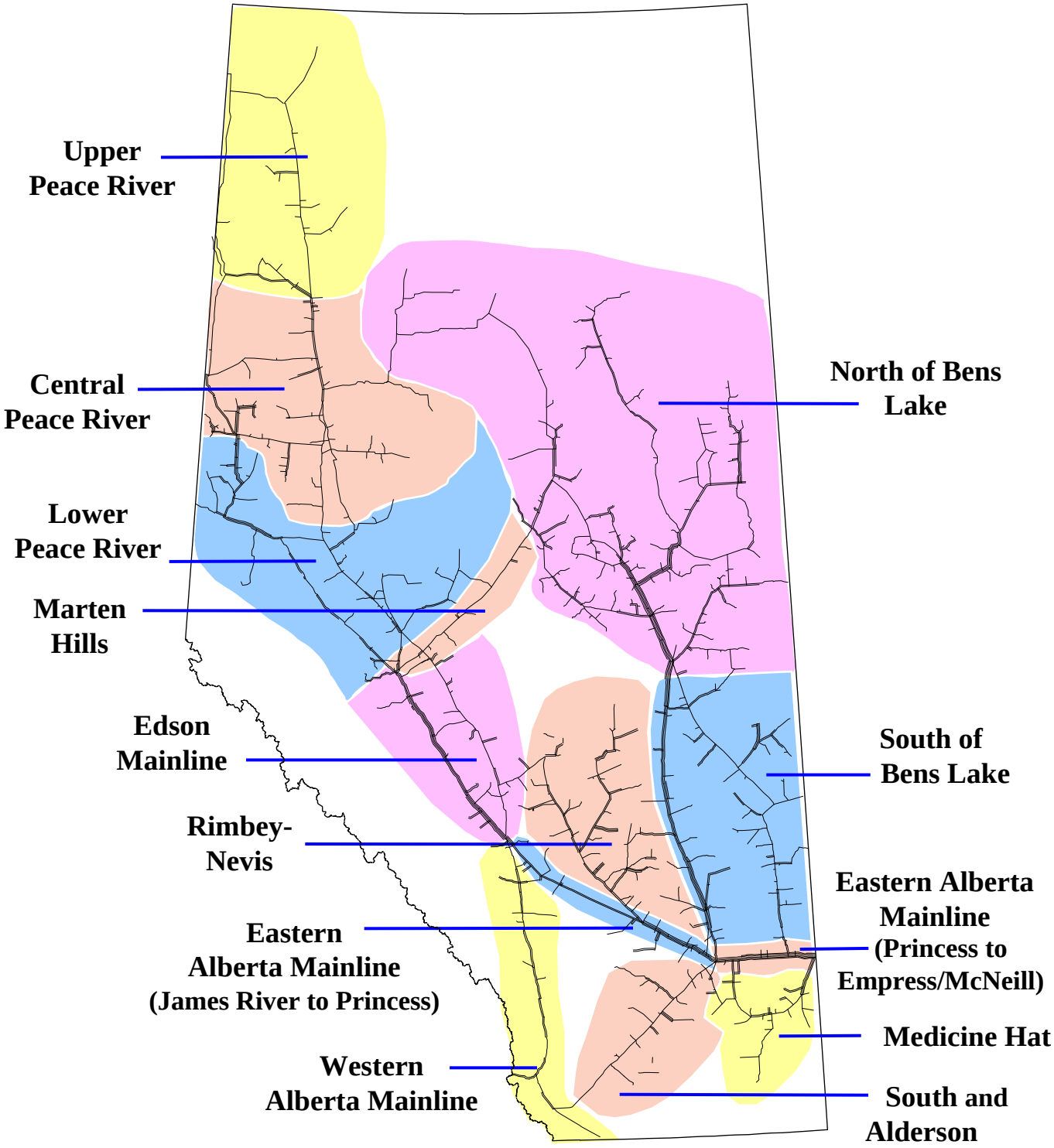
Service availability is affected by a number of factors including scheduled and unscheduled maintenance, construction or other outages.

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

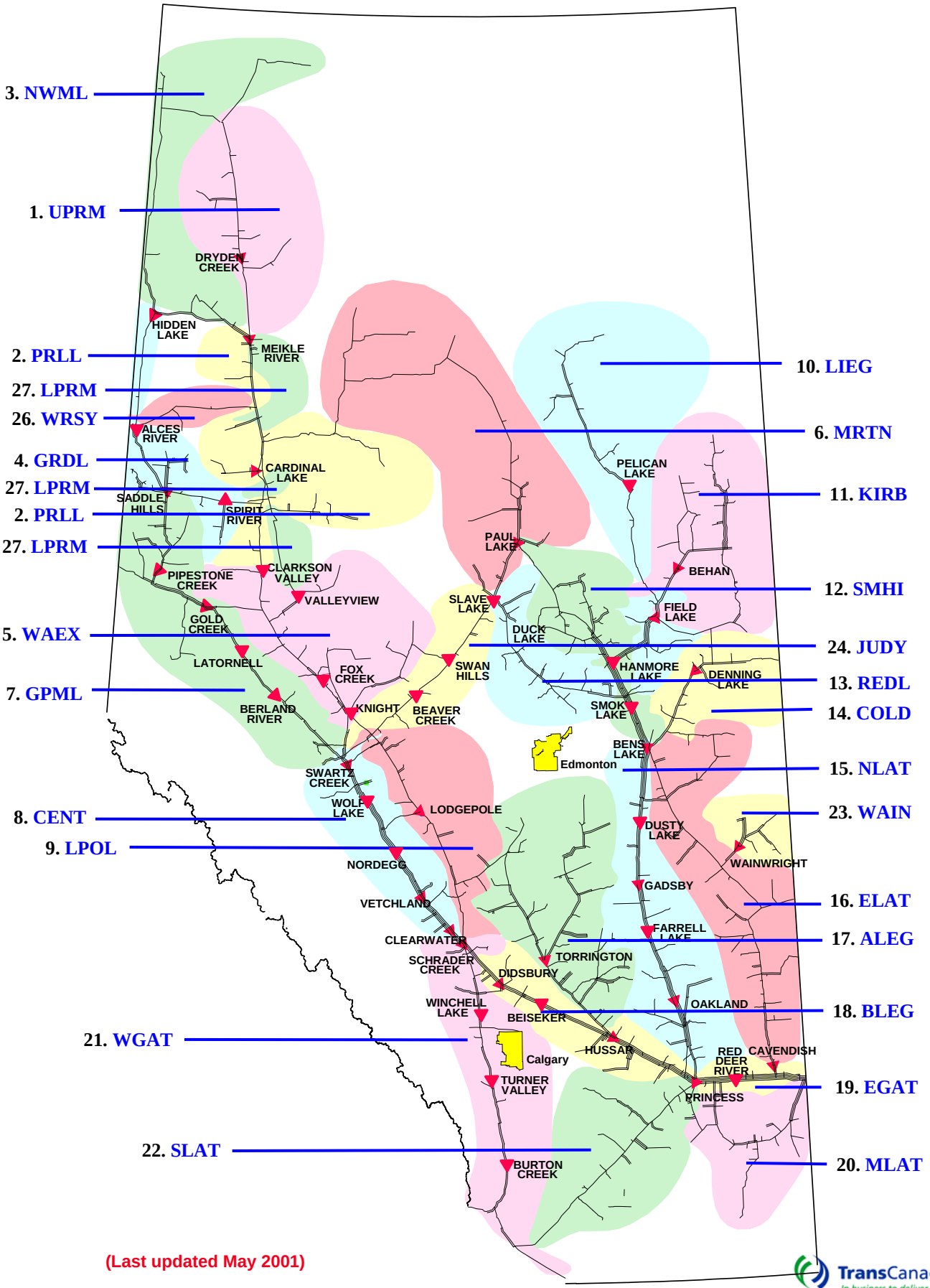
The Future Firm Transportation Service Availability report presents guidelines and timing for all future firm transportation service requests.

NGTL DESIGN AREAS



(Last updated January 2007)

NGTL PIPELINE SEGMENTS



(Last updated May 2001)

TransCanada
In business to deliver

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