

# SYSTEM UTILIZATION AND RELIABILITY MONTHLY REPORT

for the month ending  
June, 2009

*Published date:*  
September 3, 2009

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## Highlights This Month:

- Average Load Factors greater than 90% were experienced in a number of design areas during April 2009 – June 2009 [i.e. Upper Peace River, Upper and Central Peace River, Peace River Design, Upstream James River, Eastern Alberta Mainline: James River to Princess, Eastern Alberta Mainline: Princess to Empress/McNeill, and South and Alderson].
- FT Receipt Availability over a 3 month average from April 1, 2009 – June 30, 2009 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 April 1, 2009 – June 30, 2009, were all deemed 100% available.

NOVA Gas Transmission Ltd.

# TABLE OF CONTENTS

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<b><u>MONTHLY FEATURES</u></b>	<b>PAGE</b>
Firm Transportation Service Contract Utilization .....	3
Design Flow Requirements Utilization	
North of Bens Lake – Flow Through.....	4
North & South of Bens Lake – Flow Through .....	5
North & South of Bens Lake – Flow Within.....	6
Upper Peace River .....	7
Upper & Central Peace River .....	8
Peace River .....	9
Marten Hills .....	10
Edson M/L, Peace River, & Marten Hills .....	11
South & Alderson .....	12
Rimbey Nevis .....	13
Eastern Alberta Mainline (James River to Princess) .....	14
Medicine Hat .....	15
Eastern Alberta Mainline (Princess to Empress/McNeill) .....	16
Western Alberta Mainline (AB/BC & AB/Montana Borders) .....	17
Historical Transportation Service Availability (3 Month Average) .....	18
Future Firm Transportation Service Availability.....	19
Compressor Utilization Summaries (Second Quarter 2009).....	20
How to Use This Report .....	25

## **REFERENCES**

NGTL Design Areas Map .....	27
NGTL Pipeline Segments Map .....	28
Definition of Terms .....	29

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.

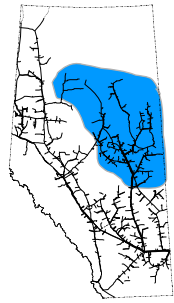
# FIRM TRANSPORTATION SERVICE<sup>1</sup> CONTRACT UTILIZATION<sup>2</sup>

## By NGTL Pipeline Segments

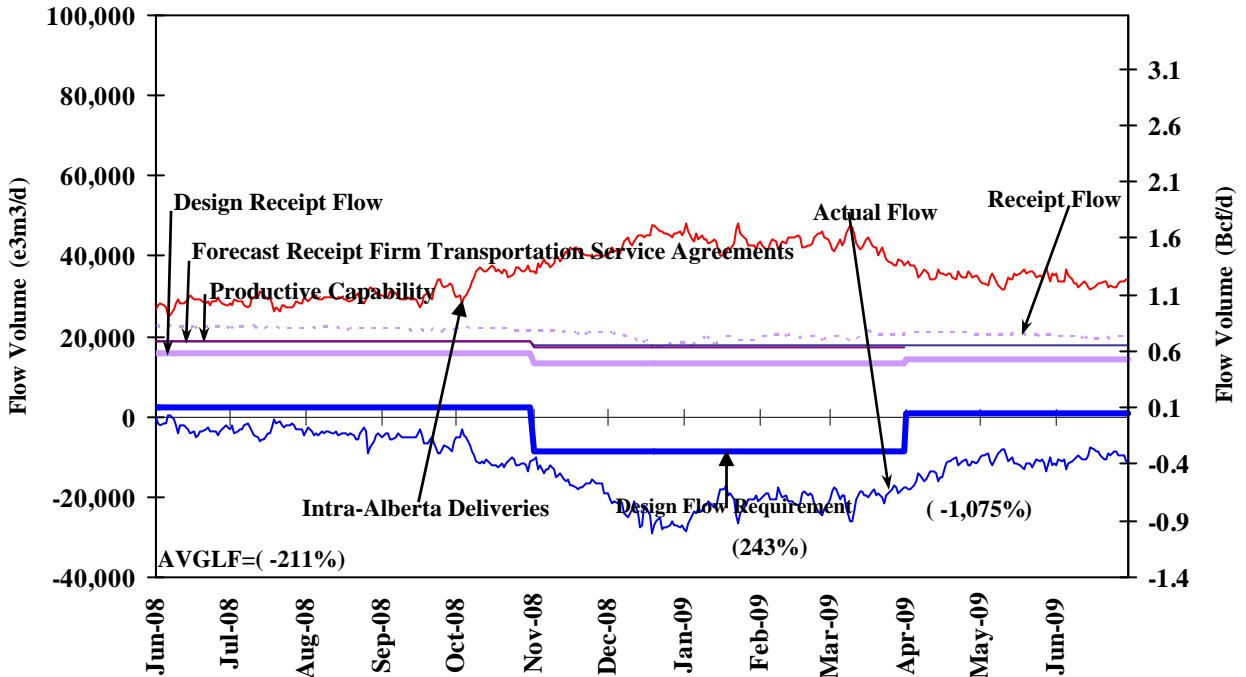
Segment	Receipt Contract	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jun CD (mmcf/d)
UPRM <sup>4</sup>	FT	89%	86%	92%	91%	85%	82%	124
	FT + IT	104%	105%	112%	117%	105%	103%	
LPRM <sup>4</sup>	FT	93%	95%	95%	98%	92%	93%	17
	FT + IT	117%	128%	127%	127%	119%	143%	
PRLL <sup>4</sup>	FT	94%	95%	96%	98%	95%	98%	175
	FT + IT	115%	119%	118%	118%	118%	123%	
NWML <sup>4</sup>	FT	94%	96%	97%	97%	94%	98%	469
	FT + IT	100%	107%	107%	110%	105%	112%	
GRDL <sup>4</sup>	FT	86%	88%	90%	93%	93%	90%	237
	FT + IT	111%	113%	114%	141%	123%	126%	
WRSY <sup>4</sup>	FT	95%	98%	95%	97%	96%	97%	31
	FT + IT	140%	159%	140%	148%	139%	150%	
WAEX	FT	88%	95%	92%	95%	89%	91%	267
	FT + IT	140%	164%	150%	181%	150%	183%	
JUDY	FT	96%	96%	97%	98%	98%	97%	94
	FT + IT	148%	149%	151%	141%	123%	149%	
GPML	FT	93%	95%	95%	95%	95%	95%	2,045
	FT + IT	105%	109%	109%	116%	111%	111%	
CENT	FT	96%	97%	97%	98%	96%	95%	931
	FT + IT	119%	122%	120%	125%	118%	122%	
LPOL	FT	94%	97%	96%	97%	94%	95%	449
	FT + IT	121%	125%	127%	132%	123%	123%	
WGAT	FT	90%	91%	92%	89%	91%	86%	354
	FT + IT	109%	119%	113%	112%	122%	112%	
ALEG	FT	93%	95%	95%	94%	95%	96%	1,035
	FT + IT	120%	123%	123%	125%	126%	127%	
SLAT	FT	95%	97%	96%	98%	97%	96%	272
	FT + IT	120%	122%	122%	134%	131%	125%	
MLAT	FT	90%	92%	93%	94%	94%	94%	269
	FT + IT	104%	107%	108%	112%	112%	111%	
BLEG	FT	94%	96%	96%	97%	97%	97%	620
	FT + IT	108%	111%	111%	115%	114%	115%	
EGAT	FT	90%	90%	89%	93%	94%	94%	47
	FT + IT	127%	137%	124%	130%	130%	130%	
MRTN	FT	88%	92%	91%	93%	90%	89%	144
	FT + IT	97%	108%	109%	121%	118%	115%	
LIEG	FT	83%	80%	83%	82%	82%	80%	114
	FT + IT	105%	113%	113%	118%	116%	114%	
KIRB	FT	81%	82%	86%	85%	86%	83%	106
	FT + IT	107%	108%	111%	114%	110%	107%	
SMHI	FT	79%	80%	76%	66%	72%	72%	93
	FT + IT	106%	138%	132%	152%	132%	131%	
REDL	FT	82%	84%	84%	83%	78%	84%	73
	FT + IT	152%	155%	146%	149%	148%	147%	
COLD	FT	77%	79%	77%	72%	74%	73%	50
	FT + IT	98%	97%	101%	122%	126%	119%	
NLAT	FT	91%	92%	91%	94%	94%	93%	267
	FT + IT	120%	121%	115%	125%	126%	126%	
WAIN	FT	82%	86%	88%	90%	89%	90%	20
	FT + IT	136%	132%	129%	134%	129%	124%	
ELAT	FT	92%	93%	93%	95%	95%	94%	162
	FT + IT	141%	142%	137%	148%	145%	144%	
TOTAL SYSTEM	FT	92%	94%	94%	94%	94%	94%	8,464
	FT + IT	114%	118%	118%	124%	119%	121%	
Segment	Delivery Contract	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jun CD (GJ/d)
Empress	FT	96%	97%	97%	96%	96%	95%	4,016,141
	FT + IT	116%	115%	112%	114%	124%	112%	
McNeill	FT	99%	100%	95%	84%	74%	93%	1,005,498
	FT + IT	138%	154%	127%	123%	115%	162%	
ABC	FT	87%	91%	85%	73%	61%	49%	2,421,411
	FT + IT	88%	92%	86%	73%	62%	49%	

\*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.



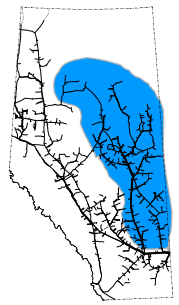
# DESIGN FLOW REQUIREMENTS UTILIZATION NORTH OF BENS LAKE – FLOW THROUGH



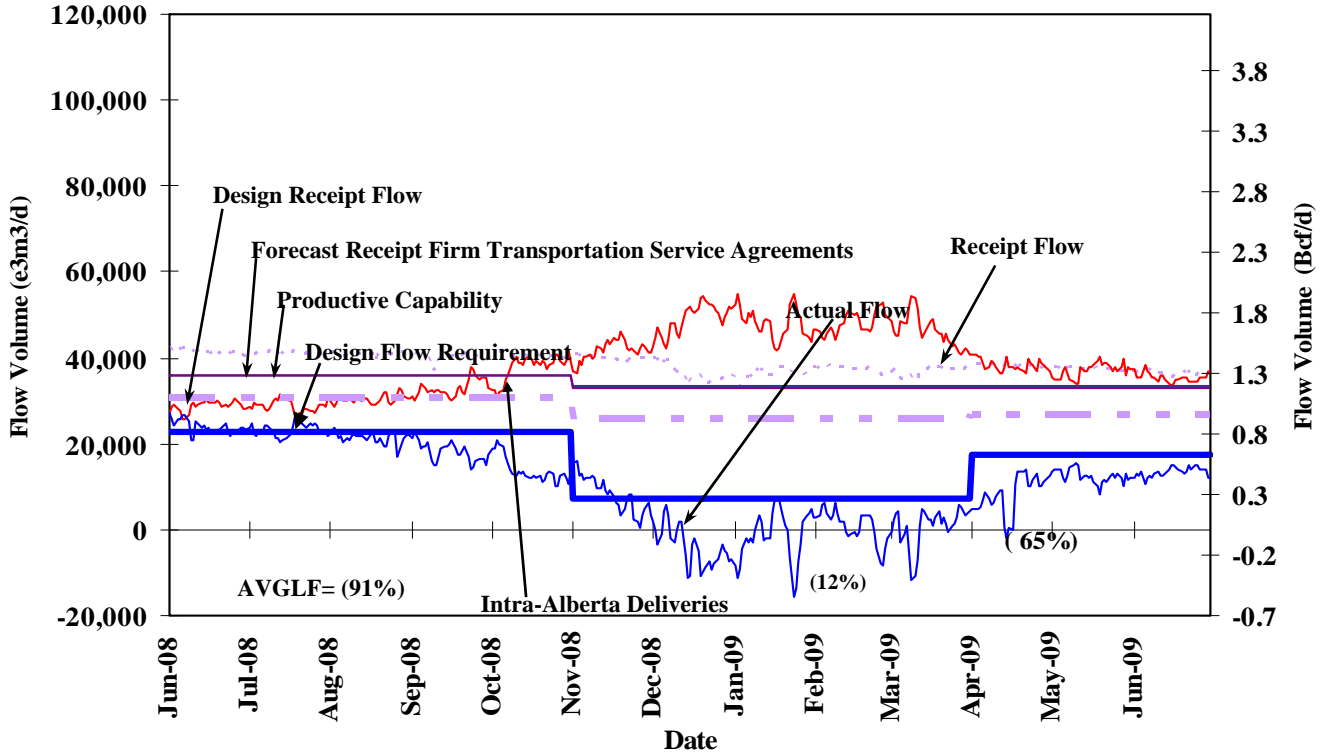
<b>% Design Receipt Utilization</b>						
(Notice: The Percentages are not the same as the Contract Utilization Percentages)						
	Jan	Feb	Mar	Apr	May	Jun
FT-R Volume	108	106	107	96	97	95
FT-R + IT Volume	140	149	150	148	145	140

**NOTE:** Utilization data is based upon billed monthly volumes expressed as a percentage of design receipt flow. Design receipt flow is the amount of receipt flow for which the area was designed.

<b>% Design Flow Requirements Utilization</b>						
Monthly Average Actual Flow as a Percentage of Design Flow Requirements						
Average Flow/ Design Capacity	Jan	Feb	Mar	Apr	May	Jun
	263	245	235	-1265	-1020	-940



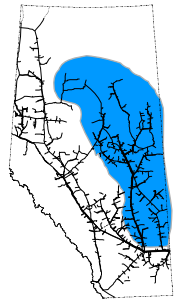
# DESIGN FLOW REQUIREMENTS UTILIZATION NORTH & SOUTH OF BENS LAKE – FLOW THROUGH



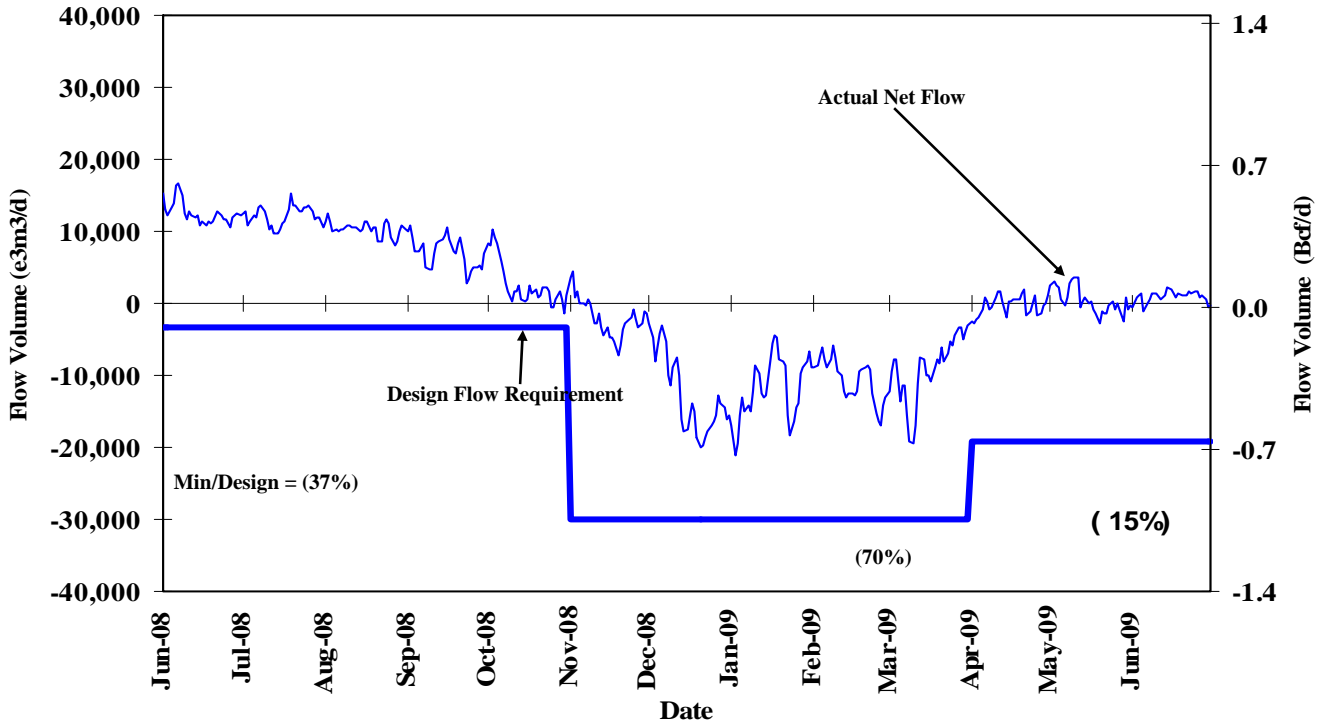
% Design Receipt Utilization						
(Notice: The Percentages are not the same as the Contract Utilization Percentages)						
	Jan	Feb	Mar	Apr	May	Jun
FT Volume	105	104	105	96	96	94
FT-R + IT Volume	142	147	145	143	140	136

**NOTE:** Utilization data is based upon billed monthly volumes expressed as a percentage of design receipt flow. Design receipt flow is the amount of receipt flow for which the area was designed.

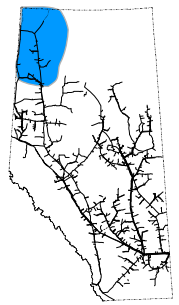
% Design Flow Requirements Utilization						
Monthly Average Actual Flow as a Percentage of Design Flow Requirements						
Average Flow/ Design Capacity	Jan	Feb	Mar	Apr	May	Jun
	-20	11	12	46	71	76



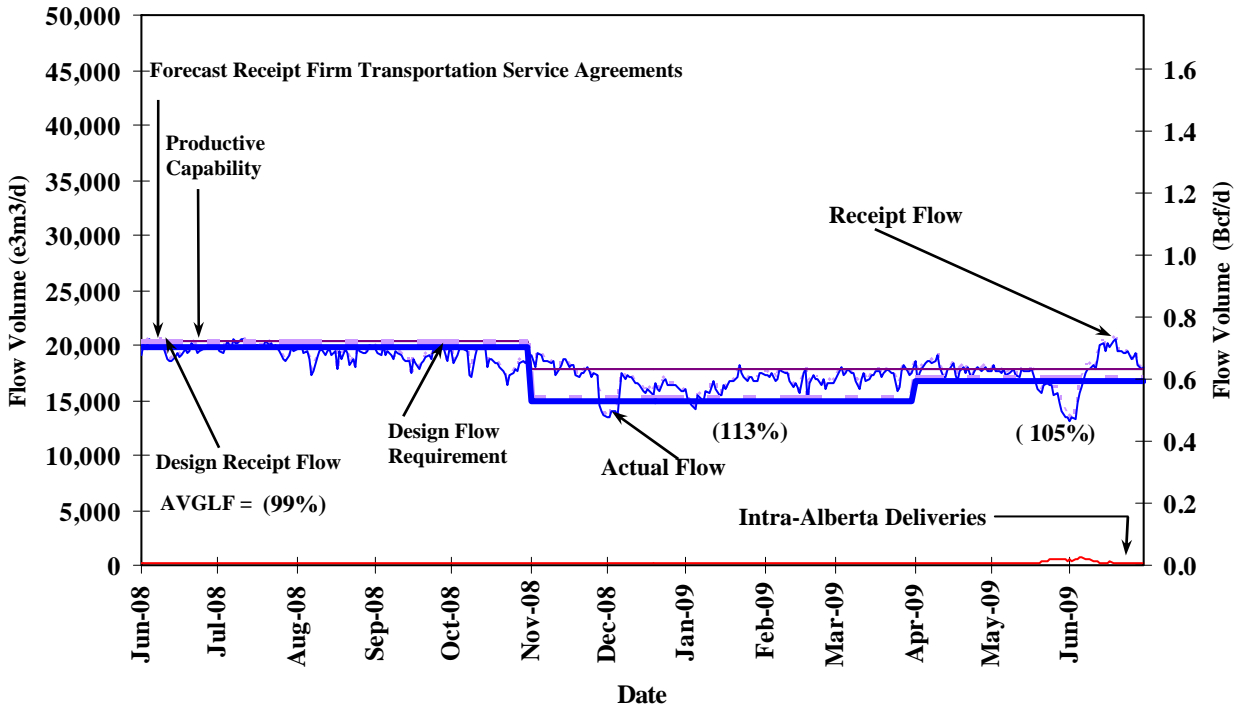
# DESIGN FLOW REQUIREMENTS UTILIZATION NORTH & SOUTH OF BENS LAKE – FLOW WITHIN



<b>% Design Flow Requirements Utilization</b> Monthly Actual Minimum Net Flow as a Percentage of Design Net Flow AVGLF= (127%)						
	Design Flow Requirement					
Minimum Flow/ Design Net Flow	Jan	Feb	Mar	Apr	May	Jun
	70	56	65	15	14	6



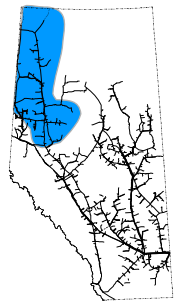
# DESIGN FLOW REQUIREMENTS UTILIZATION UPPER PEACE RIVER



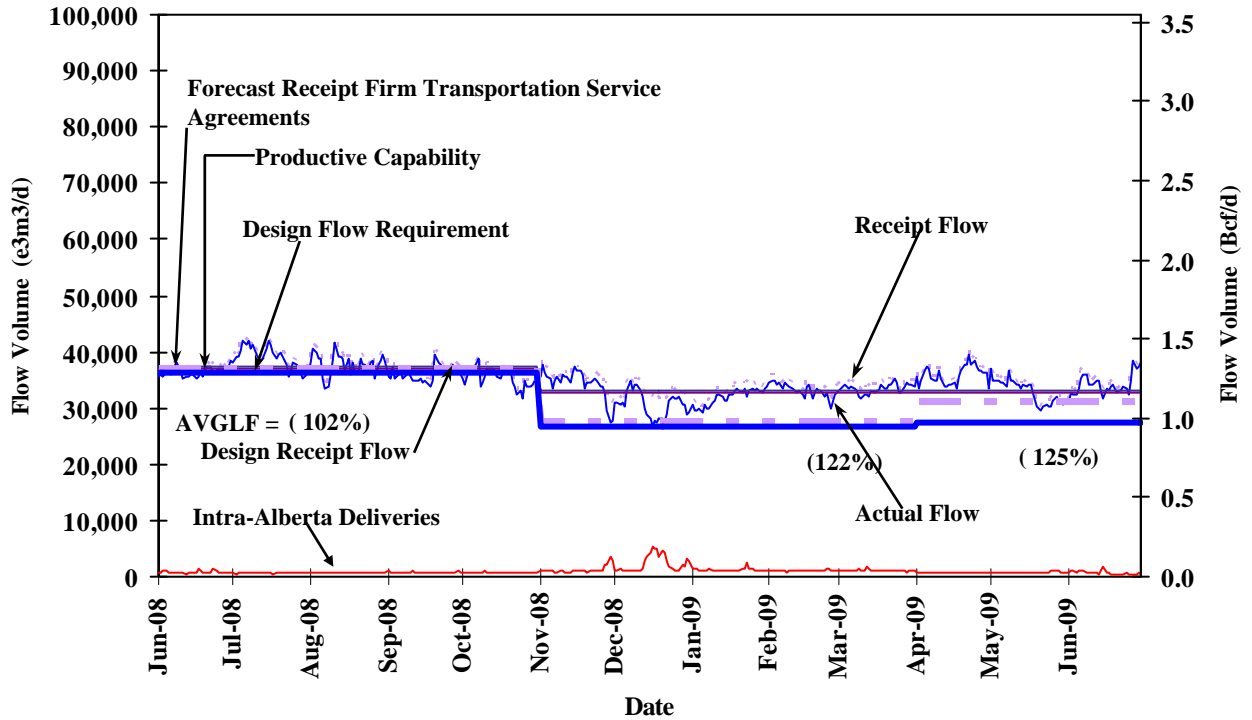
<b>% Design Receipt Utilization</b>						
(Notice: The Percentages are not the same as the Contract Utilization Percentages)						
	Jan	Feb	Mar	Apr	May	Jun
FT Volume	100	100	102	91	88	94
FT-R + IT Volume	109	113	116	107	101	109

**NOTE:** Utilization data is based upon billed monthly volumes expressed as a percentage of design receipt flow. Design receipt flow is the amount of receipt flow for which the area was designed.

<b>% Design Flow Requirements Utilization</b>						
Monthly Average Actual Flow as a Percentage of Design Flow Requirements						
Average Flow/ Design Capacity	Jan	Feb	Mar	Apr	May	Jun
	109	113	116	107	100	108



# DESIGN FLOW REQUIREMENTS UTILIZATION UPPER and CENTRAL PEACE RIVER



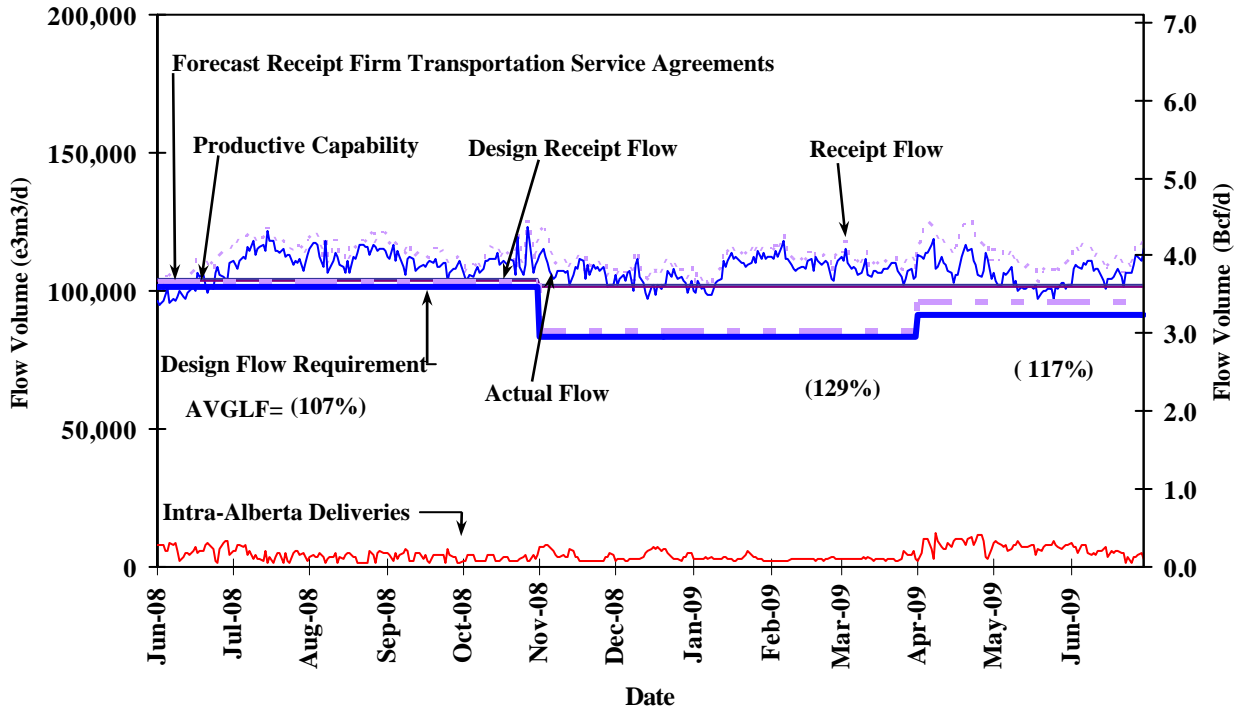
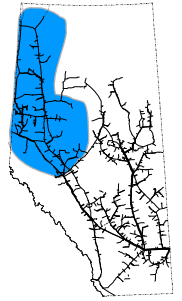
<b>% Design Receipt Utilization</b>						
(Notice: The Percentages are not the same as the Contract Utilization Percentages)						
	Jan	Feb	Mar	Apr	May	Jun
FT Volume	103	103	105	93	90	90
FT-R + IT Volume	121	125	125	118	109	113

**NOTE:** Utilization data is based upon billed monthly volumes expressed as a percentage of design receipt flow. Design receipt flow is the amount of receipt flow for which the area was designed.

<b>% Design Flow Requirements Utilization</b>						
Monthly Average Actual Flow as a Percentage of Design Flow Requirements						
Average Flow/ Design Capacity	Jan	Feb	Mar	Apr	May	Jun
	119	123	124	131	120	125



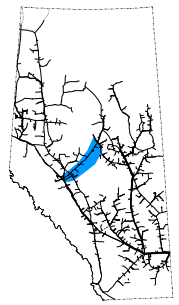
# DESIGN FLOW REQUIREMENTS UTILIZATION PEACE RIVER



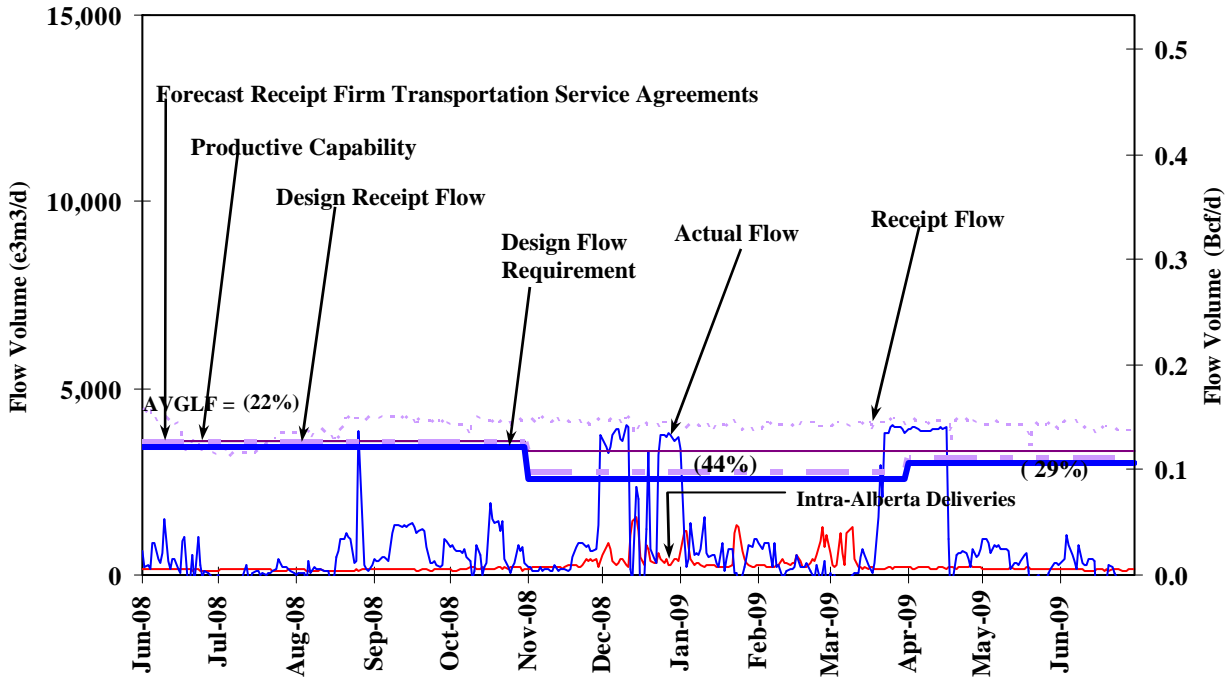
<b>% Design Receipt Utilization</b>						
(Notice: The Percentages are not the same as the Contract Utilization Percentages)						
	Jan	Feb	Mar	Apr	May	Jun
FT Volume	105	107	107	96	94	93
FT-R + IT Volume	124	130	129	124	115	118

**NOTE:** Utilization data is based upon billed monthly volumes expressed as a percentage of design receipt flow. Design receipt flow is the amount of receipt flow for which the area was designed.

<b>% Design Flow Requirements Utilization</b>						
Monthly Average Actual Flow as a Percentage of Design Flow Requirements						
Average Flow/ Design Capacity	Jan	Feb	Mar	Apr	May	Jun
	129	132	130	121	112	118



# DESIGN FLOW REQUIREMENTS UTILIZATION MARTEN HILLS

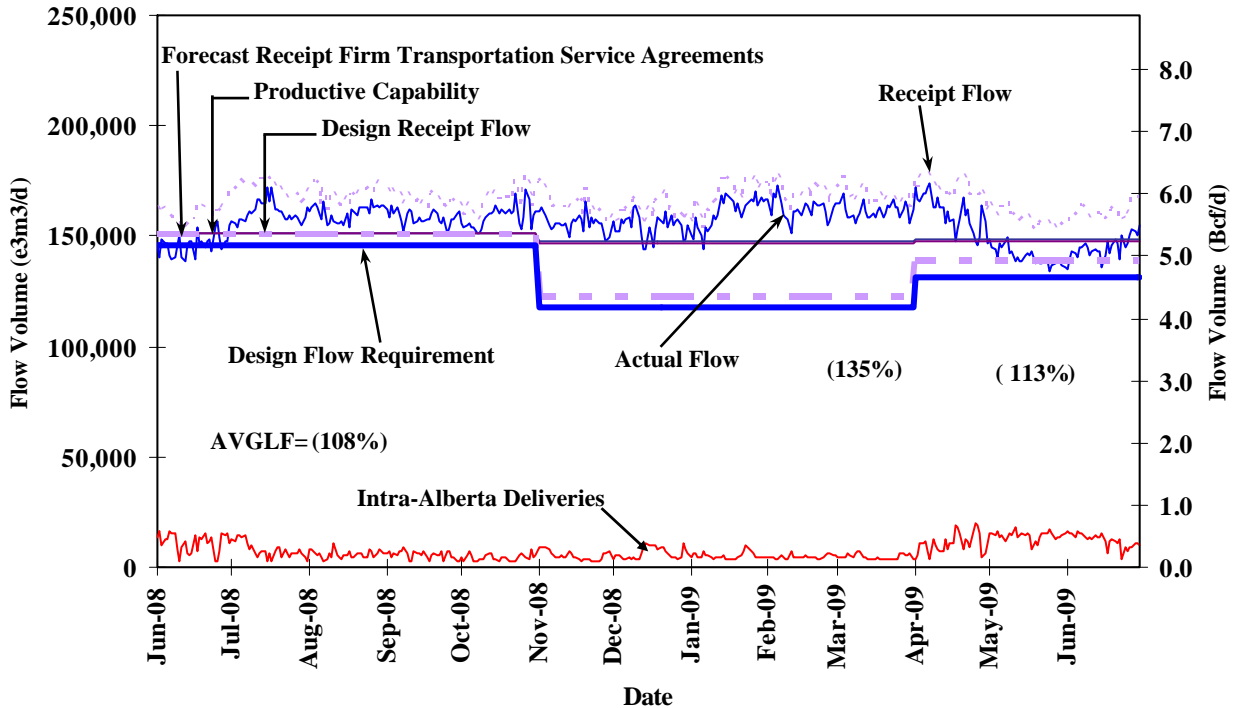
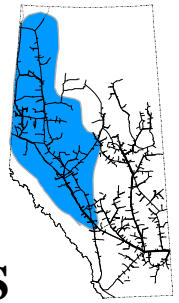


% Design Receipt Utilization						
(Notice: The Percentages are not the same as the Contract Utilization Percentages)						
	Jan	Feb	Mar	Apr	May	Jun
FT Volume	94	94	95	91	101	82
FT-R + IT Volume	145	146	147	131	128	127

**NOTE:** Utilization data is based upon billed monthly volumes expressed as a percentage of design receipt flow. Design receipt flow is the amount of receipt flow for which the area was designed.

% Design Flow Requirements Utilization						
Monthly Average Actual Flow as a Percentage of Design Flow Requirements						
Average Flow/ Design Capacity	Jan	Feb	Mar	Apr	May	Jun
	25	11	53	76	12	-2

# DESIGN FLOW REQUIREMENTS UTILIZATION EDSON M/L, PEACE RIVER, AND MARTEN HILLS

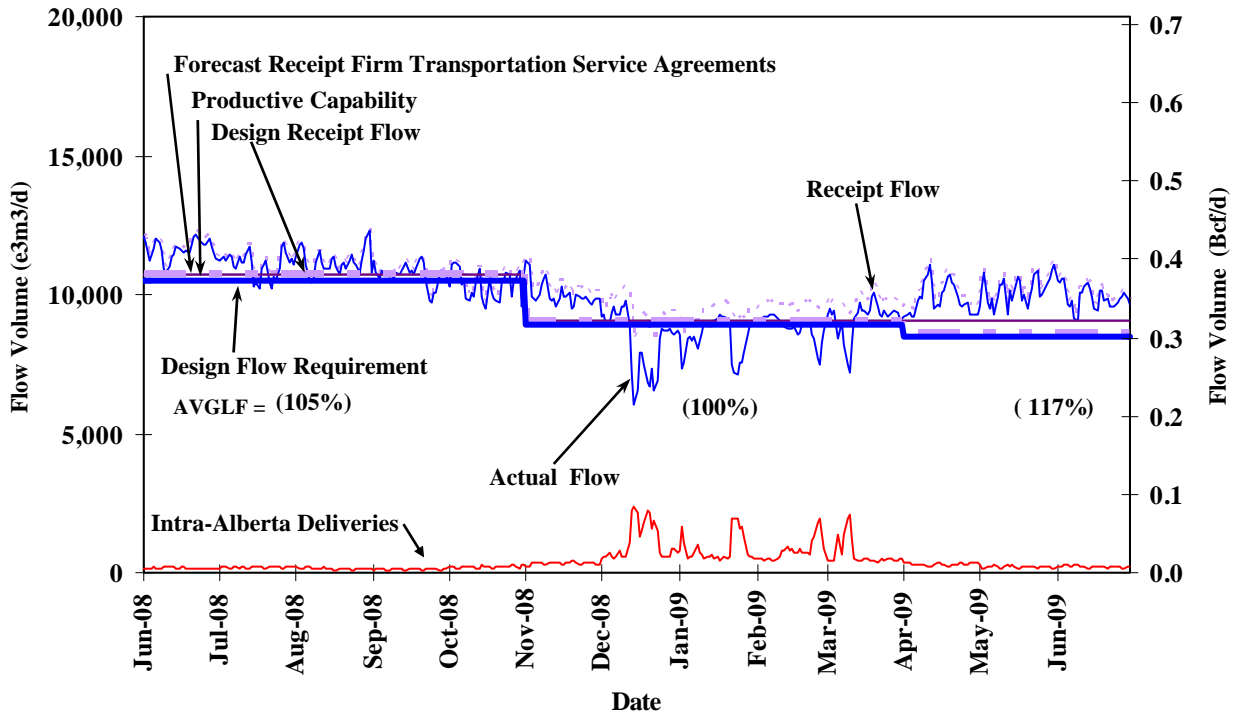
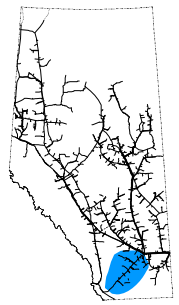


% Design Receipt Utilization						
(Notice: The Percentages are not the same as the Contract Utilization Percentages)						
	Jan	Feb	Mar	Apr	May	Jun
FT Volume	104	106	106	93	91	89
FT-R + IT Volume	126	131	130	122	113	114

**NOTE:** Utilization data is based upon billed monthly volumes expressed as a percentage of design receipt flow. Design receipt flow is the amount of receipt flow for which the area was designed.

% Design Flow Requirements Utilization						
Monthly Average Actual Flow as a Percentage of Design Flow Requirements						
Average Flow/ Design Capacity	Jan	Feb	Mar	Apr	May	Jun
	137	138	137	122	107	110

# DESIGN FLOW REQUIREMENTS UTILIZATION SOUTH AND ALDERSON

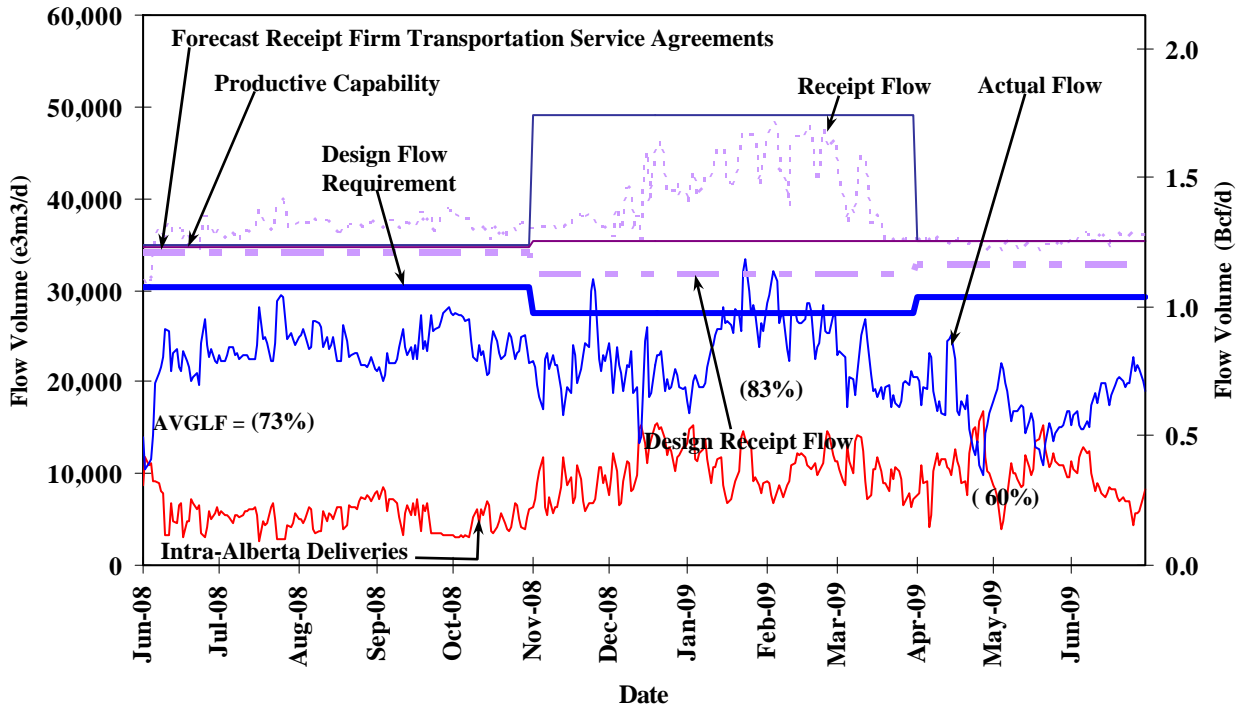
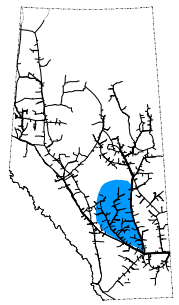


% Design Receipt Utilization						
(Notice: The Percentages are not the same as the Contract Utilization Percentages)						
	Jan	Feb	Mar	Apr	May	Jun
FT Volume	82	85	86	87	90	90
FT-R + IT Volume	103	106	108	118	120	117

**NOTE:** Utilization data is based upon billed monthly volumes expressed as a percentage of design receipt flow. Design receipt flow is the amount of receipt flow for which the area was designed.

% Design Flow Requirements Utilization						
Monthly Average Actual Flow as a Percentage of Design Flow Requirements						
Average Flow/ Design Capacity	Jan	Feb	Mar	Apr	May	Jun
	95	99	102	116	119	116

# DESIGN FLOW REQUIREMENTS UTILIZATION RIMBEY-NEVIS

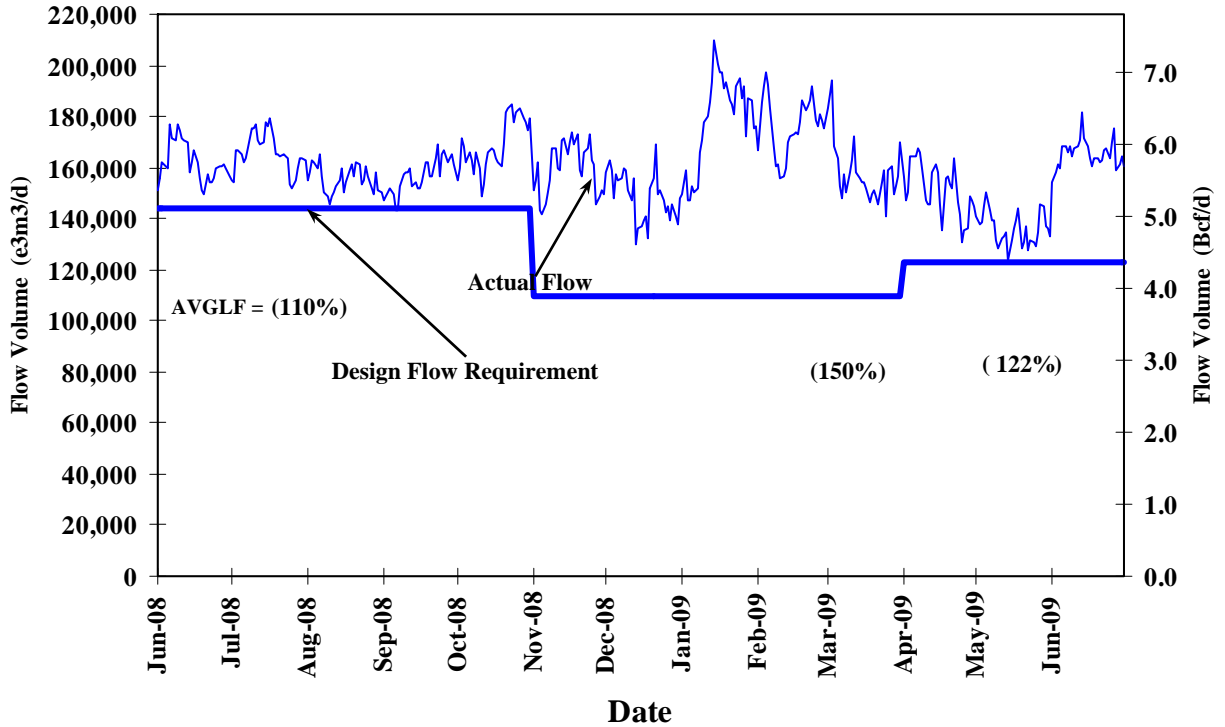
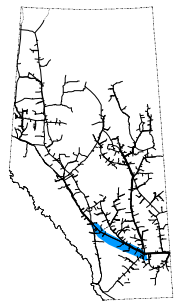


% Design Receipt Utilization						
(Notice: The Percentages are not the same as the Contract Utilization Percentages)						
	Jan	Feb	Mar	Apr	May	Jun
FT Volume	86	87	86	82	82	85
FT-R + IT Volume	111	113	111	108	109	114

**NOTE:** Utilization data is based upon billed monthly volumes expressed as a percentage of design receipt flow. Design receipt flow is the amount of receipt flow for which the area was designed.

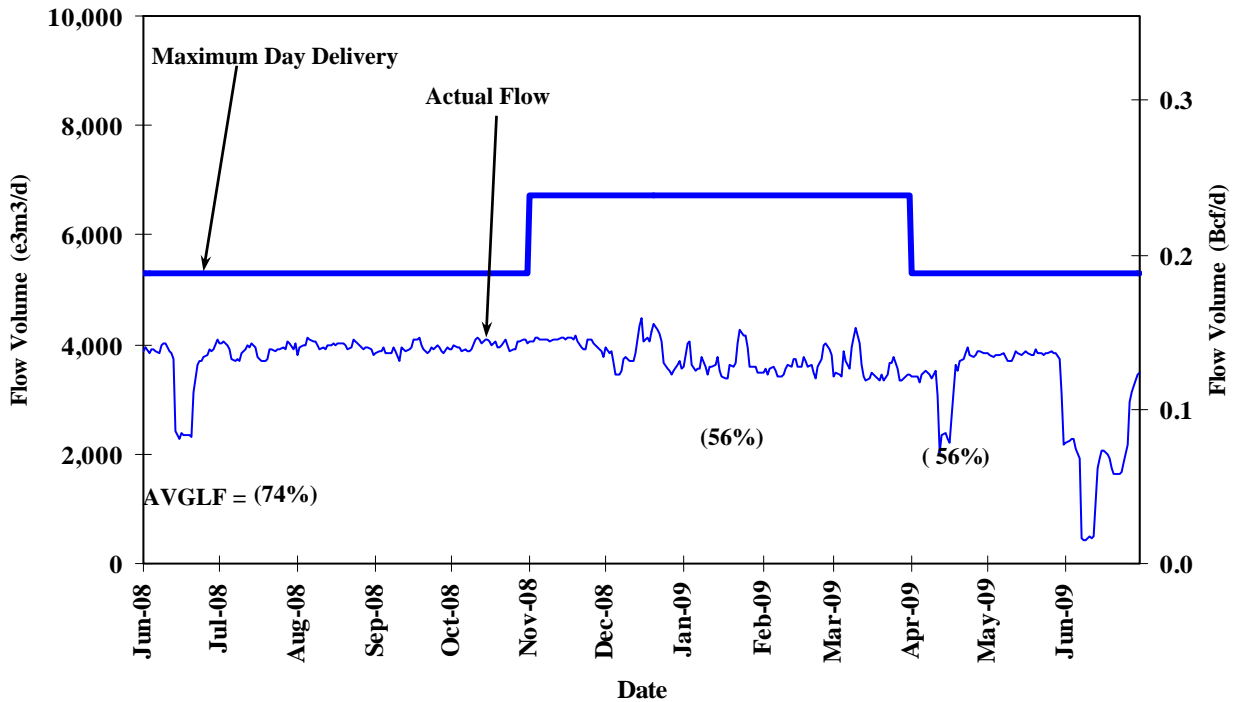
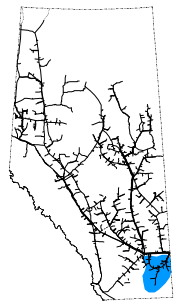
% Design Flow Requirements Utilization						
Monthly Average Actual Flow as a Percentage of Design Flow Requirements						
Average Flow/ Design Capacity	Jan	Feb	Mar	Apr	May	Jun
	90	98	75	61	55	64

# DESIGN FLOW REQUIREMENTS UTILIZATION EASTERN ALBERTA MAINLINE (James River to Princess)



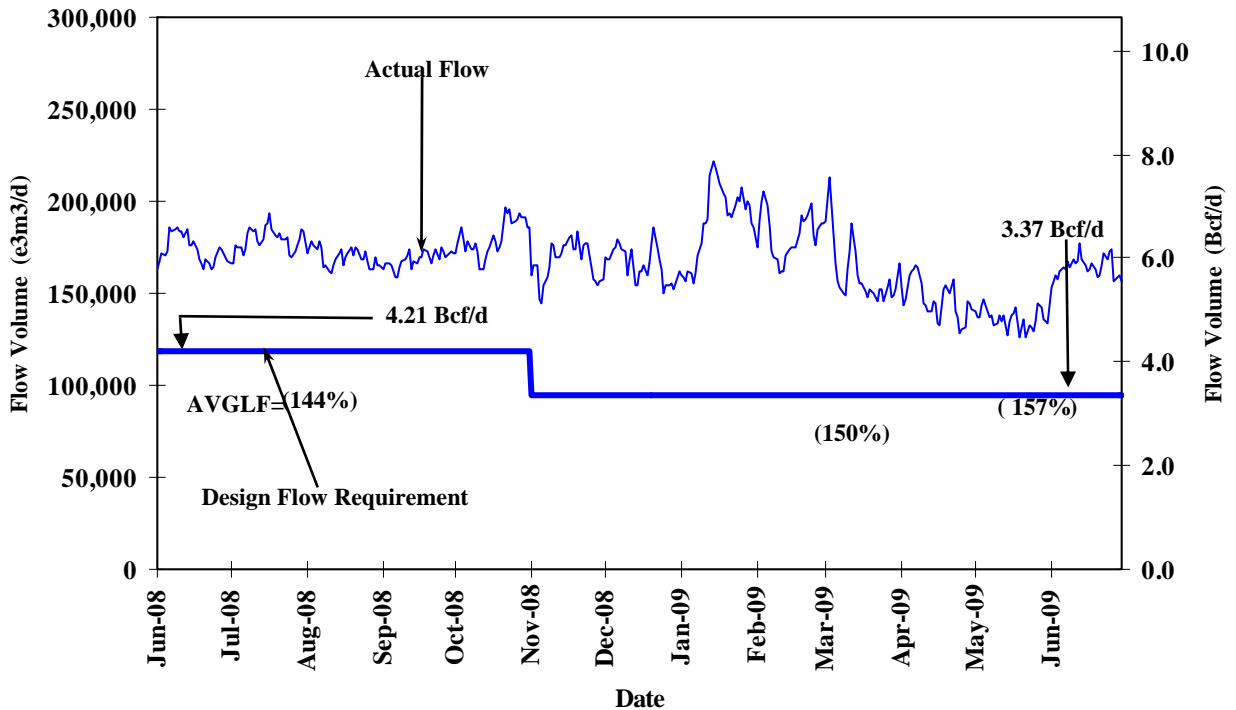
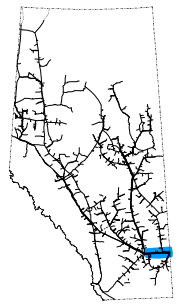
<b>% Design Flow Requirements Utilization</b>						
Monthly Average Actual Flow as a Percentage of Design Flow Requirements						
Average Flow/ Design Capacity	Jan	Feb	Mar	Apr	May	Jun
	163	161	145	123	110	134

# DESIGN FLOW REQUIREMENTS UTILIZATION MEDICINE HAT



Design flow for the Medicine Hat area is the net flow to the area deliveries. Since all deliveries are intra-Alberta deliveries there are no Firm Service Delivery contracts in effect for this area. Consequently, contract utilization values are not available.

# DESIGN FLOW REQUIREMENTS UTILIZATION EASTERN ALBERTA MAINLINE (Princess to Empress / McNeill)



<b>% Design Delivery Utilization</b> (Notice: Average Actual Flow as a Percentage of Design Flow Requirements)						
	Jan	Feb	Mar	Apr	May	Jun
FT <sup>1</sup> Volume	160	153	143	126	108	133
FT <sup>1</sup> + IT Volume	201	192	170	156	144	172

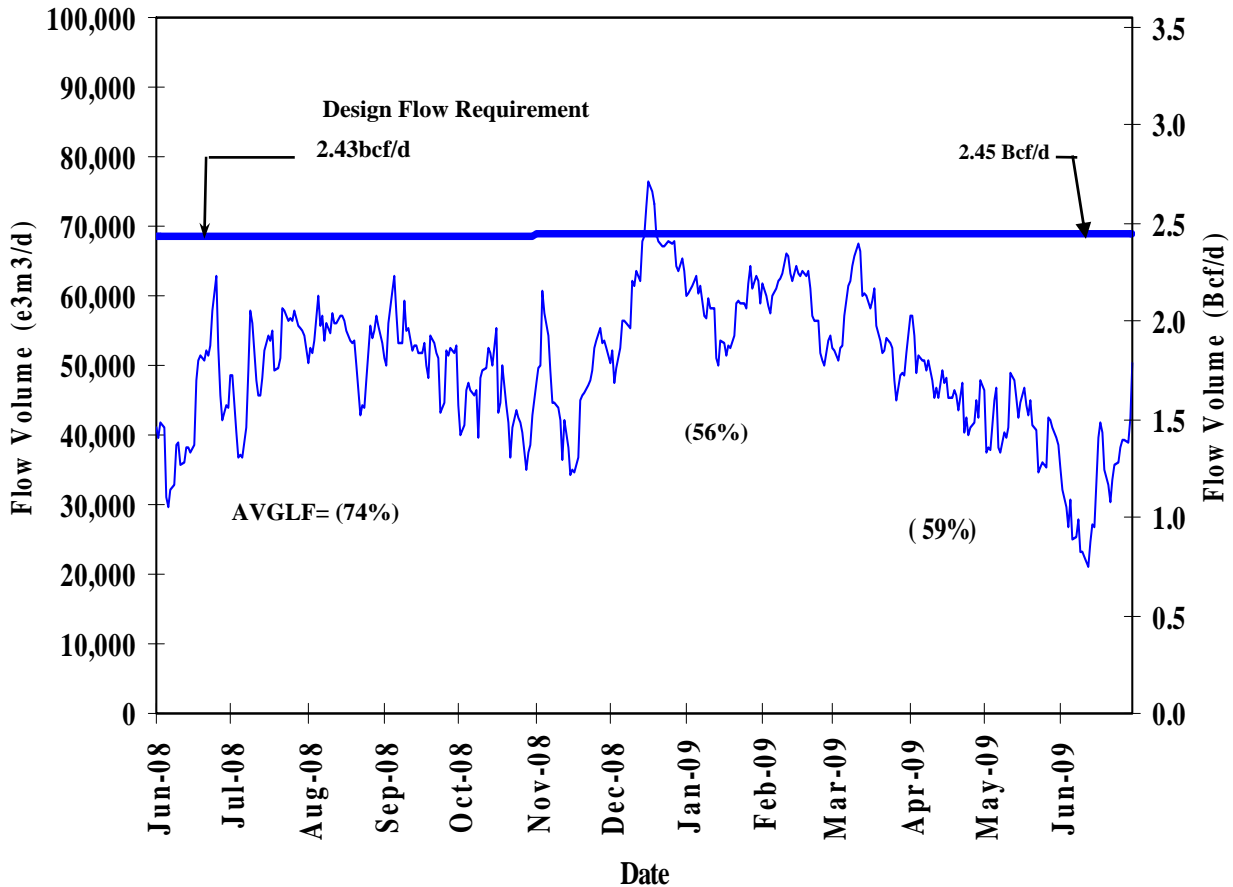
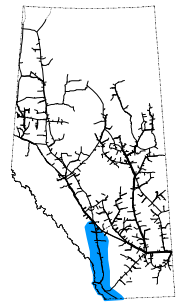
**NOTE:**

Utilization data is based upon billed monthly volumes expressed as a percentage of seasonal design delivery flow at Empress and McNeill Export delivery points.

1. FT includes year-round FT-D, STFT and LRS.



# DESIGN FLOW REQUIREMENTS UTILIZATION WESTERN ALBERTA MAINLINE (Alberta/B.C. and Alberta/Montana Borders)



<b>% Design Delivery Utilization</b> (Notice: Average Actual Flow as a Percentage of Design Flow Requirements)						
	Jan	Feb	Mar	Apr	May	Jun
FT <sup>1</sup> Volume	83	85	79	68	59	46
FT <sup>1</sup> + IT Volume	84	87	81	68	60	47

**NOTE:**

Utilization data is based upon billed monthly volumes expressed as a percentage of seasonal design delivery flow at Alberta/BC and Alberta/Montana Export delivery points.

# HISTORICAL TRANSPORTATION SERVICE AVAILABILITY

Apr 1, 2009 to June 30, 2009 (3 Month Average)

Receipt Area	Segment	IT-R Service	Firm Service	Firm Service	% CD		Causes/Comments
		Available	Available	Restriction	Restricted <sup>(1)</sup>		
		(% of time)	(% of time)	(% of time)	Max	Average	
Peace River	UPRM 1	100	100	0	0	0	
	PRL 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	Available <sup>(2)</sup>	IT-D Service	Firm Service	Firm Service	% CD Restricted <sup>(1)</sup>		Causes/Comments
		Available <sup>(2)</sup>	Available	Restriction	Restricted <sup>(1)</sup>		
		(% 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	

# 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	August 1, 2009	November 2011

## Estimated Firm Transportation Service Availability

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

[http://www.transcanada.com/Customer\\_Express/capacity/external\\_map.pdf](http://www.transcanada.com/Customer_Express/capacity/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)	July 1, 2009	November 2010
Receipt - Winter construction (generally north of Edmonton)	November 2009	April 2011

- 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.*

## Compressor Utilization Summaries

Date: Apr. 1, 2009 to Jun. 30, 2009

### Peace River

Compressor Unit	Site Rated Power - Kw	Running Hours	No Demand Hours	Availability %	No Demand %	Usage %	Outage %
Alces River Unit #1	3,480	0.0	2184.0	100.00	100.00	0.00	0.00
Alces River B Unit #2	10,939	0.0	0.1	0.00	0.00	0.00	100.00
Berland River Unit#1	21,830	1983.7	66.3	93.86	3.04	90.83	6.14
Cardinal Lake Unit#1	820	3.3	2179.1	99.93	99.78	0.15	0.07
Cardinal Lake Unit#2	820	3.1	2179.8	99.95	99.81	0.14	0.05
Cardinal Lake Unit#3	820	0.5	2165.5	99.18	99.15	0.02	0.82
Clarkson Valley Unit#1	15,936	35.5	2132.8	99.28	97.66	1.63	0.72
Fox Creek Unit#1	15,570	679.3	1468.9	98.36	67.26	31.10	1.64
Gold Creek Unit#1	10,968	1645.9	506.6	98.56	23.20	75.36	1.44
Gold Creek Unit#2	25,427	2144.8	19.0	99.08	0.87	98.21	0.92
Hidden Lake Unit #1	11,078	1.6	2182.4	100.00	99.93	0.07	0.00
Knight Unit #3	13,291	915.8	1267.6	99.97	58.04	41.93	0.03
Knight Unit #4	13,396	1084.9	1097.1	99.91	50.23	49.67	0.09
Latornell Unit #1	28,110	875.2	1128.1	91.73	51.65	40.07	8.27
Meikle River Unit #1	3,577	1782.5	237.5	92.49	10.87	81.62	7.51
Meikle River B Unit #2	3,504	256.1	1802.6	94.26	82.54	11.73	5.74
Mobile Unit #4 (Meikle River)	3,231	145.2	1984.7	97.52	90.87	6.65	2.48
Mobile Unit #6 (Dryden Creek)	3,320	10.6	2163.7	99.56	99.07	0.49	0.44
Pipestone Creek Unit #1	29,923	0.0	2183.2	99.96	99.96	0.00	0.04
Saddle Hills Unit #1	3,486	535.6	1566.1	96.23	71.71	24.52	3.77
Saddle Hills Unit #2	6,711	695.0	1488.6	99.98	68.16	31.82	0.02
Saddle Hills Unit #3	7,953	1504.4	593.0	96.03	27.15	68.88	3.97
Thunder Creek Unit #1	3,414	1.4	2171.7	99.50	99.44	0.06	0.50
Valleyview Unit #1	3,747	1541.1	596.6	97.88	27.32	70.56	2.12
<b>Total</b>	<b>241,351</b>			<b>93.88</b>	<b>63.65</b>	<b>30.23</b>	<b>6.12</b>
<b>Power Adjusted Usage</b>						<b>39.92</b>	

1. Units required under peak flow conditions

### Marten Hills

Compressor Unit	Site Rated Power - Kw	Running Hours	No Demand Hours	Availability %	No Demand %	Usage %	Outage %
Beaver Creek Unit #1	955	0.0	0.1	0.00	0.00	0.00	100.00
Beaver Creek Unit #2	955	0.0	0.2	0.01	0.01	0.00	99.99
Beaver Creek Unit #3	955	0.0	0.2	0.01	0.01	0.00	99.99
Beaver Creek Unit #4	955	0.0	0.1	0.00	0.00	0.00	100.00
Beaver Creek Unit #5	955	0.0	0.1	0.00	0.00	0.00	100.00
<b>Total</b>	<b>4,775</b>			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>100.00</b>
<b>Power Adjusted Usage</b>						<b>0.00</b>	

1. Units required under peak flow conditions

# System Utilization Quarterly Report No. 67, Second Quarter 2009

## Compressor Utilization Summaries

Date: Apr. 1, 2009 to Jun. 30, 2009

### Rimbey/Nevis

Compressor Unit	Site Rated Power - Kw	Running Hours	No Demand Hours	Availability %	No Demand %	Usage %	Outage %
Hussar Unit #6	13,964	505.9	1036.6	70.63	47.46	23.16	29.37
Hussar Unit #7	13,964	528.8	1149.8	76.86	52.65	24.21	23.14
Mobile Unit #8 (Torrington)	7,236	460.7	1458.3	87.87	66.77	21.09	12.13
<b>Total</b>	<b>35,164</b>			<b>78.45</b>	<b>55.63</b>	<b>22.82</b>	<b>21.55</b>
<b>Power Adjusted Usage</b>						<b>23.15</b>	

### Edson Mainline

Compressor Unit	Site Rated Power - Kw	Running Hours	No Demand Hours	Availability %	No Demand %	Usage %	Outage %
Clearwater Unit #1	22,044	1931.1	113.1	93.60	5.18	88.42	6.40
Clearwater Unit #5	20,966	368.4	1487.7	84.99	68.12	16.87	15.01
Lodgepole Unit #3	3,776	29.3	833.9	39.52	38.18	1.34	60.48
Nordegg Unit #3	31,802	1123.5	1047.5	99.40	47.96	51.44	0.60
Vetchland Unit #1	23,842	236.4	1943.4	99.81	88.98	10.82	0.19
Vetchland Unit #2	23,842	1193.7	986.6	99.83	45.17	54.66	0.17
Swartz Creek Unit #1	29,163	861.3	748.7	73.72	34.28	39.44	26.28
Wolf Lake Unit #2	24,304	1299.4	790.0	95.67	36.17	59.50	4.33
<b>Total</b>	<b>179,739</b>			<b>85.82</b>	<b>45.51</b>	<b>40.31</b>	<b>14.18</b>
<b>Power Adjusted Usage</b>						<b>45.07</b>	

1. Units required under peak flow conditions

### Western Alberta Mainline

Compressor Unit	Site Rated Power - Kw	Running Hours	No Demand Hours	Availability %	No Demand %	Usage %	Outage %
Burton Creek Unit #1	15,820	131.4	2052.6	100.00	93.98	6.02	0.00
Burton Creek Unit #2	14,956	739.6	1440.8	99.84	65.97	33.86	0.16
Drywood Unit #1	3,800	2.5	2181.3	99.99	99.88	0.11	0.01
Schrader Creek Unit #2	13,591	661.3	78.1	33.86	3.58	30.28	66.14
Turner Valley Unit #1	23,642	593.1	1586.1	99.78	72.62	27.16	0.22
Turner Valley Unit #2	23,642	90.0	2079.4	99.33	95.21	4.12	0.67
Winchell Lake Unit #1	23,873	362.4	1722.8	95.48	78.88	16.59	4.52
<b>Total</b>	<b>119,324</b>			<b>89.75</b>	<b>72.87</b>	<b>16.88</b>	<b>10.25</b>
<b>Power Adjusted Usage</b>						<b>18.01</b>	

1. Units required under peak flow conditions

# System Utilization Quarterly Report No. 67, Second Quarter 2009

## Compressor Utilization Summaries

Date: Apr. 1, 2009 to Jun. 30, 2009

### North and East - North of Bens Lake

Compressor Unit	Site Rated Power - Kw	Running Hours	No Demand Hours	Availability %	No Demand %	Usage %	Outage %
Bens Lake Unit #1	977	8.3	1812.6	83.37	82.99	0.38	16.63
Bens Lake Unit #2	977	4.6	2150.7	98.69	98.48	0.21	1.31
Bens Lake Unit #3	977	4.9	763.1	35.16	34.94	0.22	64.84
Bens Lake Unit #4	3,539	0.0	2156.6	98.75	98.75	0.00	1.25
Bens Lake Unit #5	3,546	9.2	2133.3	98.10	97.68	0.42	1.90
Bens Lake Unit #6	4,724	4.2	2174.0	99.73	99.54	0.19	0.27
Bens Lake Unit #7	977	4.0	2151.4	98.69	98.51	0.18	1.31
Mobile Unit #9 (Behan)	3,327	5.3	2003.9	92.00	91.75	0.24	8.00
Field Lake Unit #1	3,570	297.4	1863.1	98.92	85.31	13.62	1.08
Field Lake Unit #2	3,570	4.3	1717.2	78.82	78.63	0.20	21.18
Hanmore Lake Unit #1	541	17.0	2146.7	99.07	98.29	0.78	0.93
Hanmore Lake Unit #2	541	3.3	2174.3	99.71	99.56	0.15	0.29
Hanmore Lake Unit #3	3,407	6.1	2174.2	99.83	99.55	0.28	0.17
Hanmore Lake Unit #4	3,407	6.7	1519.2	69.87	69.56	0.31	30.13
Woodenhouse #1	7,953	16.2	2167.0	99.96	99.22	0.74	0.04
Woodenhouse #2	14,165	17.7	2166.3	100.00	99.19	0.81	0.00
Wandering River #1	945	7.9	2176.1	100.00	99.64	0.36	0.00
Wandering River #2	945	45.2	2138.8	100.00	97.93	2.07	0.00
Wandering River #3	895	806.2	1376.0	99.92	63.00	36.91	0.08
Leismer #4	945	43.0	2141.0	100.00	98.03	1.97	0.00
Mobile Unit #5 (Paul Lake)	3,090	439.3	1737.8	99.68	79.57	20.11	0.32
Paul Lake Unit #1	3,457	1197.5	266.5	67.03	12.20	54.83	32.97
Pelican Lake Unit #2	3,594	376.7	1659.2	93.22	75.97	17.25	6.78
Slave Lake Unit #1	978	331.4	388.7	32.97	17.80	15.17	67.03
Slave Lake Unit #2	978	1275.4	908.5	100.00	41.60	58.40	0.00
Slave Lake Unit #3	978	1742.3	341.9	95.43	15.65	79.78	4.57
Slave Lake Unit #4	978	1464.0	622.6	95.54	28.51	67.03	4.46
Smoky Lake Unit #1	978	1216.2	908.0	97.26	41.58	55.69	2.74
Smoky Lake Unit #2	978	243.9	1868.0	96.70	85.53	11.17	3.30
Smoky Lake Unit #3	978	1146.7	1033.7	99.84	47.33	52.50	0.16
Smoky Lake Unit #7	16,061	0.0	720.1	32.97	32.97	0.00	67.03
<b>Total</b>	<b>92,976</b>			<b>89.07</b>	<b>73.20</b>	<b>15.87</b>	<b>10.93</b>
<b>Power Adjusted Usage</b>						<b>8.14</b>	

1. Units required under peak flow conditions

## Compressor Utilization Summaries

Date: Apr. 1, 2009 to Jun. 30, 2009

**North and East - South of Bens Lake**

Compressor Unit	Site Rated Power - Kw	Running Hours	No Demand Hours	Availability %	No Demand %	Usage %	Outage %
Cavendish Unit #1	0.0	0.0	1767.7	80.94	80.94	0.00	19.06
Cavendish Unit #2	4306.0	6.3	2170.8	99.68	99.40	0.29	0.32
Dusty Lake Unit #2	14200.0	238.1	1533.0	81.09	70.19	10.90	18.91
Dusty Lake Unit #3	15873.0	0.3	2182.5	99.95	99.93	0.01	0.05
Farrell Lake Unit #1	14004.0	299.1	137.6	20.00	6.30	13.70	80.00
Farrell Lake Unit #2	15630.0	86.7	355.6	20.25	16.28	3.97	79.75
Gadsby Unit #1	14244.0	0.0	0.1	0.00	0.00	0.00	100.00
Gadsby Unit #2	15797.0	0.0	0.1	0.00	0.00	0.00	100.00
Gadsby Unit #B3	7953.0	2082.8	101.2	100.00	4.63	95.37	0.00
Oakland Unit #1	14137.0	583.1	847.1	65.49	38.79	26.70	34.51
Princess Unit #1	2,685	39.7	2062.5	96.25	94.44	1.82	3.75
Princess Unit #2	2,685	0.1	720.0	32.97	32.97	0.00	67.03
Princess Unit #3	2,685	18.3	1364.2	63.30	62.46	0.84	36.70
Princess Unit #4	4,474	624.9	1321.0	89.10	60.49	28.61	10.90
Princess Unit #5	4,474	30.6	1711.1	79.75	78.35	1.40	20.25
Wainwright Unit #2	1,790	1458.1	721.4	99.79	33.03	66.76	0.21
Wainwright Unit #3	1,230	124.9	1962.2	95.56	89.84	5.72	4.44
Wainwright Unit #4	125.1	125.1	1878.1	91.72	85.99	5.73	8.28
<b>Total</b>	<b>136,292</b>			<b>67.55</b>	<b>53.00</b>	<b>14.55</b>	<b>32.45</b>
<b>Power Adjusted Usage</b>						<b>13.31</b>	

1. Units required under peak flow conditions

**Eastern Alberta Mainline**

Compressor Unit	Site Rated Power - Kw	Running Hours	No Demand Hours	Availability %	No Demand %	Usage %	Outage %
Acme Unit #1	26145.0	1408.3	741.1	98.42	33.93	64.48	1.58
Beiseker Unit #1	11857.0	74.8	2108.7	99.98	96.55	3.42	0.02
Beiseker Unit #2	11857.0	74.5	2106.5	99.86	96.45	3.41	0.14
Crawling Valley Unit #1	26104.0	1236.5	813.0	93.84	37.23	56.62	6.16
Didsbury Unit #5	794.0	0.0	0.1	0.00	0.00	0.00	100.00
Didsbury Unit #6	731.0	0.0	0.1	0.00	0.00	0.00	100.00
Hussar Unit #8	13964.0	1504.0	679.7	99.99	31.12	68.86	0.01
Jenner Unit #1	23555.0	1308.6	756.1	94.54	34.62	59.92	5.46
Jenner Unit #2	18000.0	703.9	877.4	72.40	40.17	32.23	27.60
Princess Unit #6	19749.0	1458.3	724.0	99.92	33.15	66.77	0.08
Red Deer River Unit #1	24355.0	283.0	1887.6	99.39	86.43	12.96	0.61
Red Deer River Unit #2	24355.0	80.6	1666.3	79.99	76.30	3.69	20.01
Shrader Creek Unit #1	26251.0	1062.4	520.2	72.46	23.82	48.64	27.54
Schrader Creek Unit #3	13697.0	738.2	1437.6	99.62	65.82	33.80	0.38
<b>Total</b>	<b>241,414</b>			<b>79.32</b>	<b>46.83</b>	<b>32.49</b>	<b>20.69</b>
<b>Power Adjusted Usage</b>						<b>40.02</b>	

1. Units required under peak flow conditions

# System Utilization Quarterly Report No. 67, Second Quarter 2009

## Compressor Utilization Summaries

Date: Apr. 1, 2009 to Jun. 30, 2009

### **B.C. System**

Compressor Unit	Site Rated Power - Kw	Running Hours	No Demand Hours	Availability %	No Demand %	Usage %	Outage %
Crowsnest E	10888.0	0.0	2184.0	100.00	100.00	0.00	0.00
Crowsnest F	10888.0	2.2	1146.4	52.59	52.49	0.10	47.41
Crowsnest G	9126.0	233.0	1932.1	99.13	88.47	10.67	0.87
Crowsnest K	28723.0	1394.7	537.6	88.48	24.62	63.86	11.52
Crowsnest 2 H	12529.0	713.7	1276.4	91.12	58.44	32.68	8.88
Crowsnest 2 J	12529.0	56.4	1931.1	91.00	88.42	2.58	9.00
Elko A	11930.0	0.0	2157.4	98.78	98.78	0.00	1.22
Elko B	13528.0	89.5	2036.2	97.33	93.23	4.10	2.67
Elko C	13369.0	56.7	1957.3	92.22	89.62	2.60	7.78
Moyie B	11930.0	2.9	2111.4	96.81	96.68	0.13	3.19
Moyie C	13281.0	9.6	1994.9	91.78	91.34	0.44	8.22
Moyie D	13389.0	61.5	2033.9	95.94	93.13	2.82	4.06
<b>Total</b>	<b>162,110</b>			<b>91.27</b>	<b>81.27</b>	<b>10.00</b>	<b>8.74</b>
<b>Power Adjusted Usage</b>						<b>15.48</b>	

1. Units required under peak flow conditions



# HOW TO USE THIS REPORT

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## **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 Flow Requirements Utilization**

The load factor/segment flow graphs show actual flow versus design values for various NGTL system areas. For comparison, the graphs also include design area receipt firm transportation service agreements and productive capability. The graphs also show seasonal (summer/winter) design flows and average load factors for each season. Data used in these reports lags the current date by one month.

Design Flow Requirements 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

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## **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.

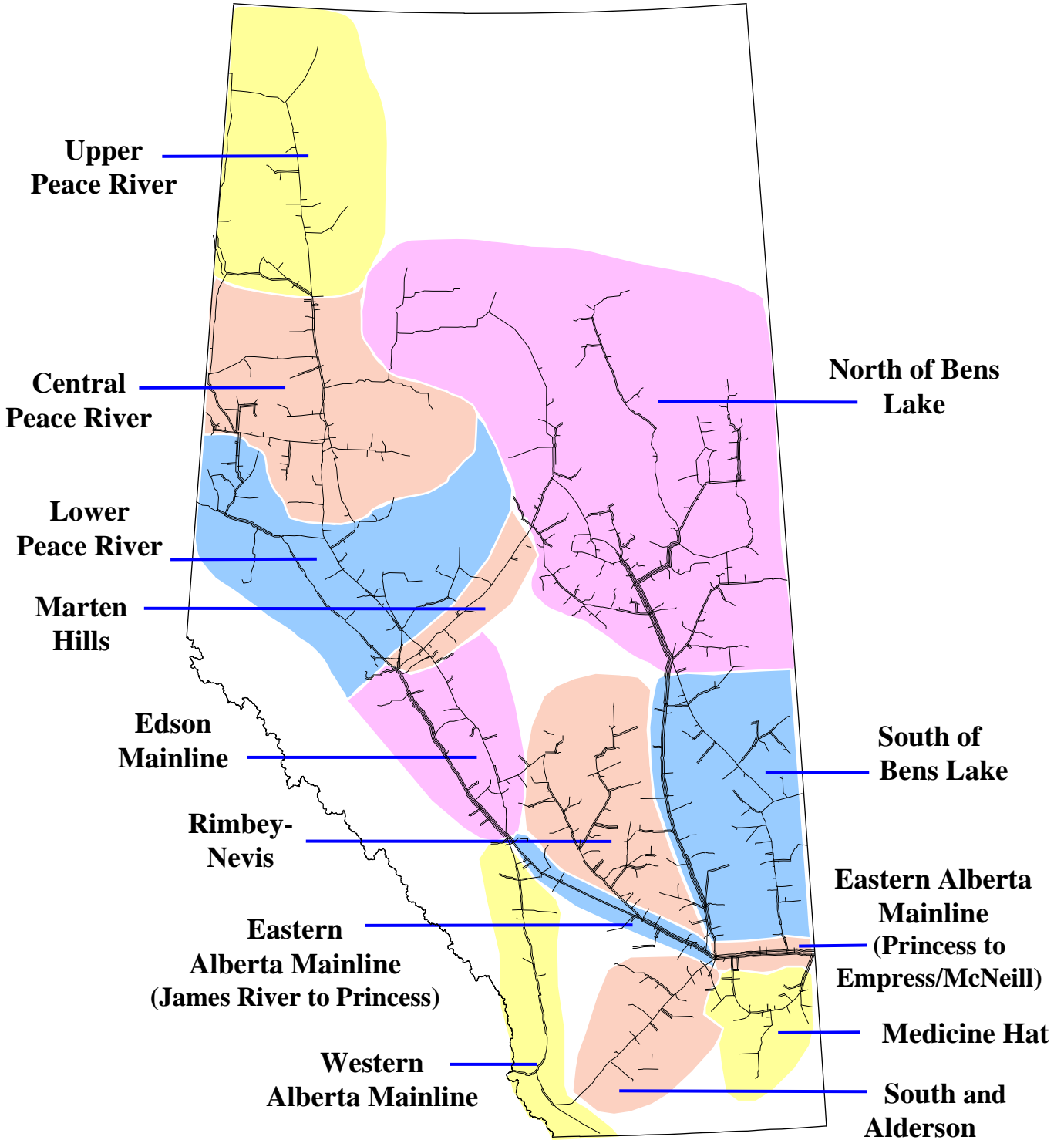
Service availability is affected by a number of factors including scheduled and unscheduled maintenance, construction or other outages.

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**

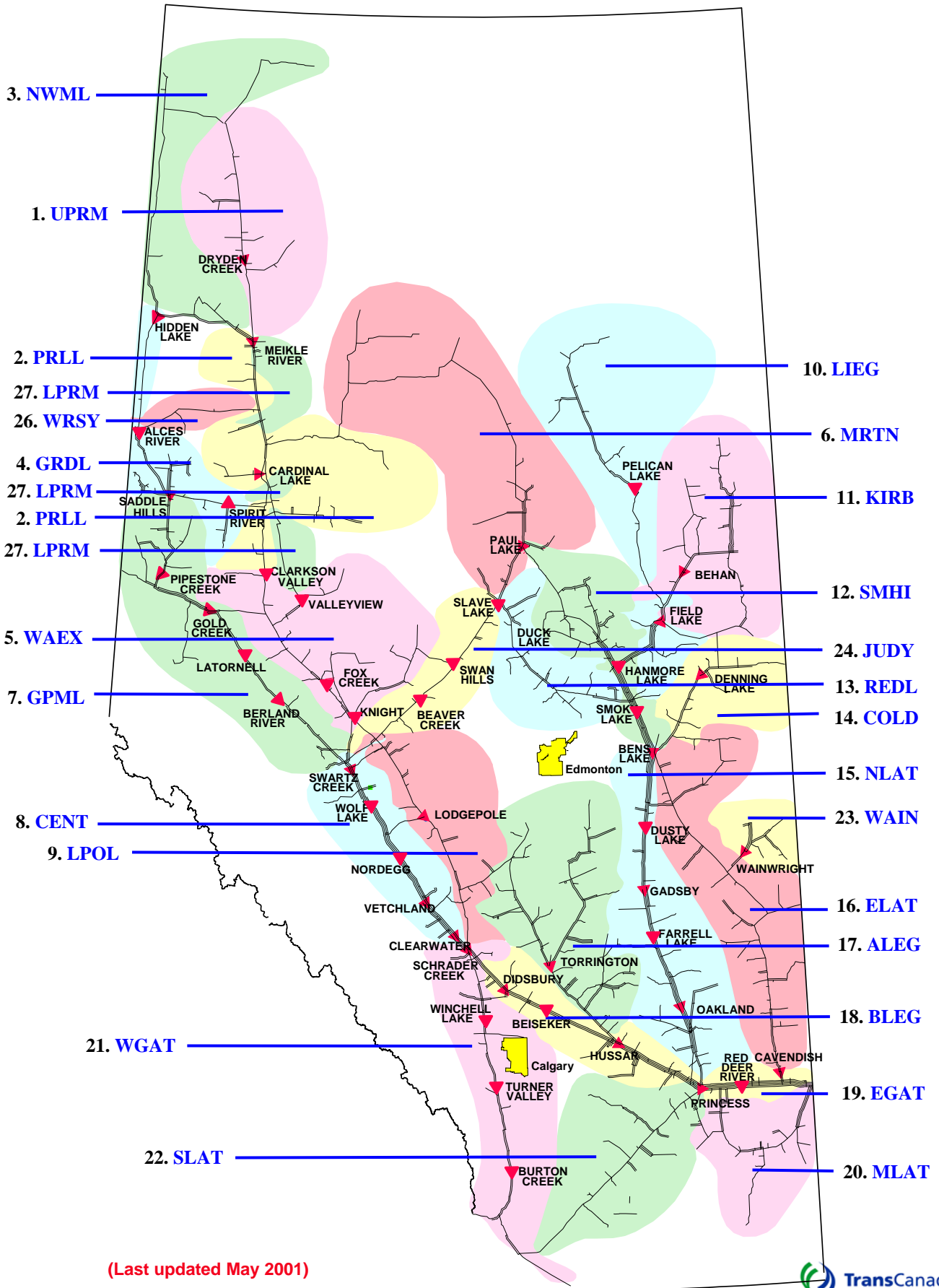
The Future Firm Transportation Service Availability report presents guidelines and timing for all future firm transportation service requests.

# NGTL DESIGN AREAS



(Last updated January 2007)

# NGTL PIPELINE SEGMENTS



(Last updated May 2001)

# DEFINITION OF TERMS

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## *Design Capacity Utilization*

### *Actual Flow*

The amount of gas flowing out of an area.

### *AVGLF (Average Load Factor)*

The ratio between average *Actual Flow* and *Design Flow Requirements*. It is calculated for every design season (summer/winter) as shown on the graphs.

### *Design Flow Requirements*

The forecast of Firm Requirements that is required to be transported in a pipeline system considering design assumptions.

### *Design Receipt Flow*

The amount of receipt flow for which the area was designed.

### *Productive Capability*

The lesser of forecast field deliverability and the forecast of aggregate Receipt Contract Demand under Firm Service Agreements held at each receipt point.

### *Forecast Receipt Firm Transportation Service Agreements*

The forecast sum of all the receipt firm service contracts within and upstream of an area used in mainline facility design.

### *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.

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## *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.

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## *Other*

### *System Load Factor*

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