

# SYSTEM UTILIZATION AND RELIABILITY MONTHLY REPORT

for the month ending  
September, 2007

*Published date:*  
**March 17, 2008**

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## Highlights This Month:

- Average Load Factors greater than 90% were experienced in a number of design areas during April, 2007 - September, 2007 [i.e. Upper Peace River, Upper and Central Peace River, Peace River Design, North of Bens Lake, North and South of Bens Lake, 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 July 1, 2007 – September 30, 2007 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 July 1, 2007 – September 30, 2007, 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 .....	4
North & South of Bens Lake .....	5
Upper Peace River .....	6
Upper & Central Peace River .....	7
Peace River .....	8
Marten Hills .....	9
Edson M/L, Peace River, & Marten Hills .....	10
South & Alderson .....	11
Rimbey Nevis .....	12
Eastern Alberta Mainline (James River to Princess) .....	13
Medicine Hat .....	14
Eastern Alberta Mainline (Princess to Empress/McNeill) .....	15
Western Alberta Mainline (AB/BC & AB/Montana Borders) .....	16
Historical Transportation Service Availability (3 Month Average) .....	17
Future Firm Transportation Service Availability .....	18
Compressor Utilization Summaries ( Third Quarter, 2007).....	19
How to Use This Report .....	24
<b><u>REFERENCES</u></b>	
NGTL Design Areas Map .....	26
NGTL Pipeline Segments Map .....	27
Definition of Terms .....	28

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. If you wish to address a question at the FLC meeting, call Bob one week prior to the next meeting. Generally, meetings are scheduled for the second Wednesday of every other month (ie. Jan, Mar, May, etc).

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

By NGTL Pipeline Segments

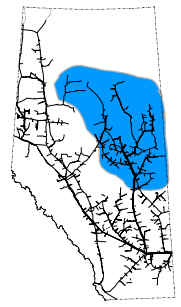
Segment	Receipt Contract	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Sep CD (m mcf/d)
UPRM <sup>4</sup>	FT	87%	87%	86%	93%	94%	89%	196
	FT + IT	94%	93%	90%	98%	101%	92%	
LPRM <sup>4</sup>	FT	95%	95%	95%	96%	95%	92%	25
	FT + IT	146%	139%	141%	130%	132%	123%	
PRLI <sup>4</sup>	FT	92%	91%	90%	92%	92%	92%	231
	FT + IT	118%	115%	114%	115%	115%	115%	
NWML <sup>4</sup>	FT	96%	91%	95%	93%	95%	93%	527
	FT + IT	107%	101%	104%	102%	103%	100%	
GRDL <sup>4</sup>	FT	94%	94%	90%	86%	89%	89%	288
	FT + IT	127%	117%	118%	110%	116%	119%	
WRSY <sup>4</sup>	FT	95%	97%	95%	95%	95%	96%	32
	FT + IT	157%	158%	149%	168%	165%	171%	
WAEX	FT	93%	91%	91%	86%	91%	89%	354
	FT + IT	162%	144%	151%	132%	149%	134%	
JUDY	FT	95%	97%	99%	97%	97%	98%	107
	FT + IT	118%	129%	130%	131%	138%	135%	
GPML	FT	93%	93%	91%	93%	93%	93%	2,005
	FT + IT	118%	116%	107%	105%	106%	106%	
CENT	FT	95%	95%	95%	95%	96%	94%	1,223
	FT + IT	111%	112%	110%	110%	111%	111%	
LPOL	FT	94%	94%	95%	95%	96%	93%	469
	FT + IT	129%	134%	126%	127%	130%	124%	
WGAT	FT	95%	93%	88%	88%	88%	85%	456
	FT + IT	110%	110%	107%	103%	104%	97%	
ALEG	FT	92%	91%	87%	91%	90%	89%	1,275
	FT + IT	111%	111%	109%	119%	114%	113%	
SLAT	FT	92%	93%	93%	92%	93%	93%	364
	FT + IT	112%	117%	117%	116%	118%	112%	
MLAT	FT	95%	95%	93%	92%	93%	93%	317
	FT + IT	103%	103%	102%	102%	105%	103%	
BLEG	FT	97%	96%	95%	94%	95%	95%	671
	FT + IT	105%	108%	107%	106%	108%	107%	
EGAT	FT	95%	94%	96%	93%	95%	95%	64
	FT + IT	110%	112%	109%	109%	112%	111%	
MRTN	FT	87%	88%	87%	88%	89%	91%	194
	FT + IT	112%	104%	102%	99%	101%	102%	
LIEG	FT	79%	82%	82%	81%	81%	80%	114
	FT + IT	140%	133%	131%	129%	125%	119%	
KIRB	FT	91%	86%	90%	92%	93%	90%	111
	FT + IT	135%	139%	131%	151%	148%	134%	
SMHI	FT	94%	96%	96%	96%	93%	94%	110
	FT + IT	150%	140%	136%	133%	130%	138%	
REDL	FT	91%	91%	92%	93%	92%	92%	97
	FT + IT	141%	136%	134%	133%	134%	132%	
COLD	FT	86%	80%	85%	83%	81%	84%	73
	FT + IT	106%	113%	113%	106%	105%	105%	
NLAT	FT	93%	93%	92%	91%	92%	92%	357
	FT + IT	116%	117%	115%	115%	128%	124%	
WAIN	FT	82%	86%	86%	92%	92%	90%	23
	FT + IT	132%	131%	127%	125%	119%	114%	
ELAT	FT	92%	91%	91%	91%	93%	92%	235
	FT + IT	130%	126%	128%	124%	127%	126%	
TOTAL SYSTEM	FT	93%	93%	92%	92%	93%	92%	9,916
	FT + IT	117%	115%	113%	112%	114%	112%	

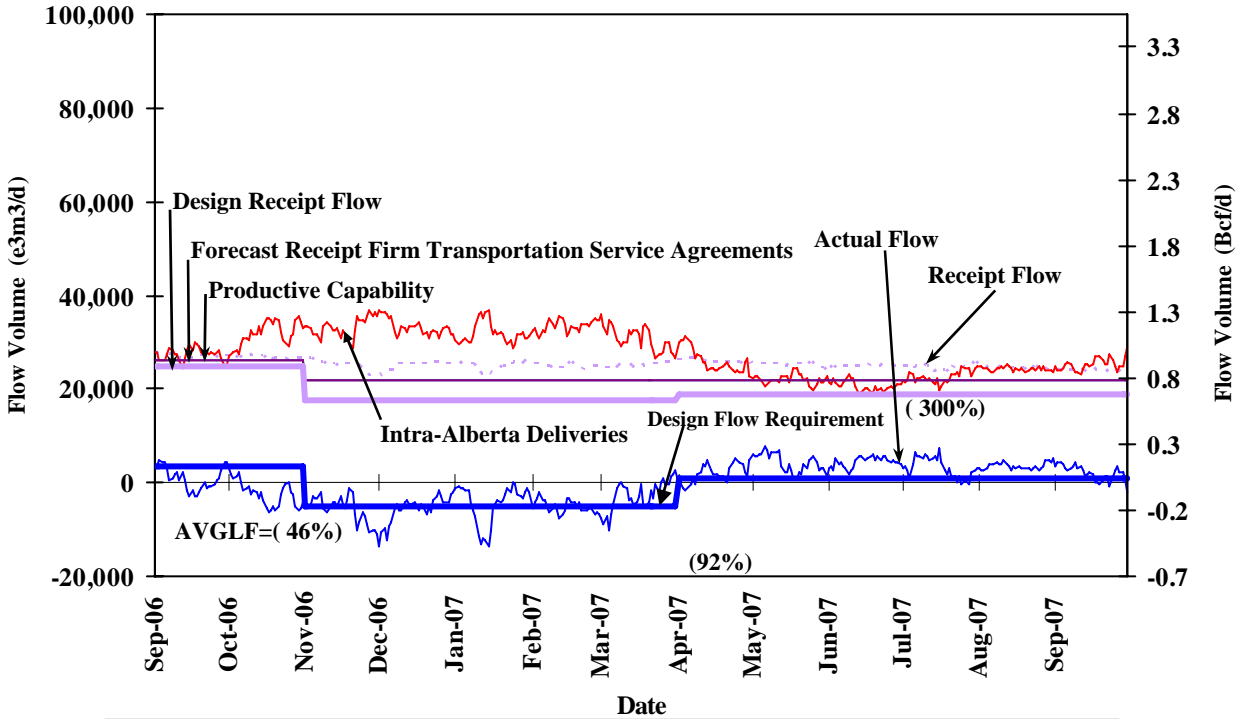
Segment	Delivery Contract	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Sep CD (GJ/d)
Empress	FT	97%	100%	99%	98%	100%	98%	4,628,275
	FT + IT	121%	119%	114%	110%	110%	105%	
McNeill	FT	82%	86%	96%	96%	98%	98%	2,013,940
	FT + IT	82%	96%	108%	111%	117%	106%	
ABC	FT	72%	79%	82%	89%	91%	90%	2,481,587
	FT + IT	72%	79%	82%	91%	93%	94%	

**\*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.
4. Boundaries for pipe segments UPRM, LPRM, PRLI, NWML, GRDL and WRSY changed in November 2000.



# DESIGN FLOW REQUIREMENTS UTILIZATION NORTH OF BENS LAKE

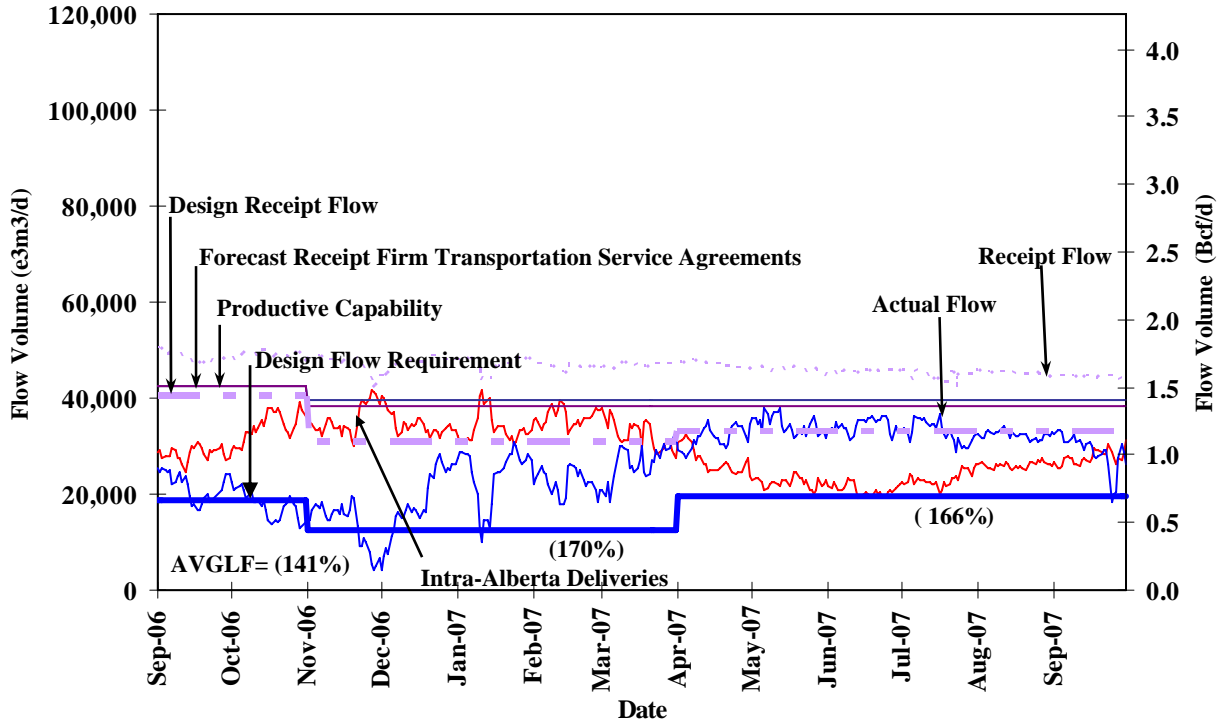
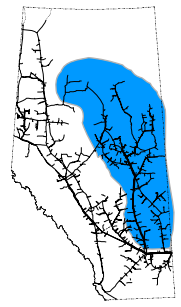


% Design Receipt Utilization						
(Notice: The Percentages are not the same as the Contract Utilization Percentages)						
	Apr	May	Jun	Jul	Aug	Sep
FT-R Volume	100	100	102	101	101	101
FT-R + IT Volume	147	143	142	139	139	137

**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						
	Apr	May	Jun	Jul	Aug	Sep
Average Flow/ Design Capacity	178	395	406	306	325	188

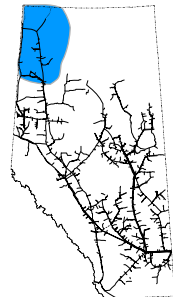
# DESIGN FLOW REQUIREMENTS UTILIZATION NORTH & SOUTH OF BENS LAKE



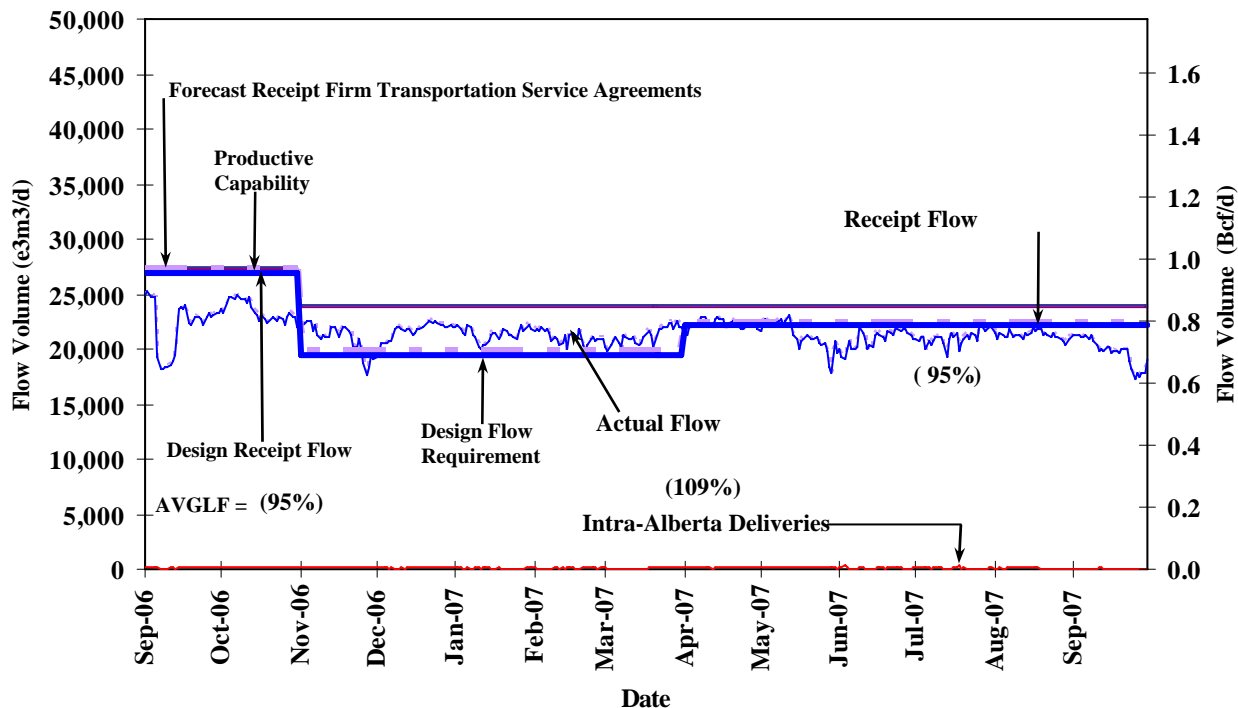
<b>% Design Receipt Utilization</b>						
(Notice: The Percentages are not the same as the Contract Utilization Percentages)						
	Apr	May	Jun	Jul	Aug	Sep
FT Volume	109	109	110	108	108	108
FT-R + IT Volume	152	150	148	145	149	146

**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	Apr	May	Jun	Jul	Aug	Sep
	162	176	175	168	165	148



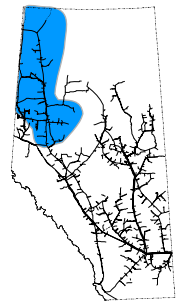
# DESIGN FLOW REQUIREMENTS UTILIZATION UPPER PEACE RIVER



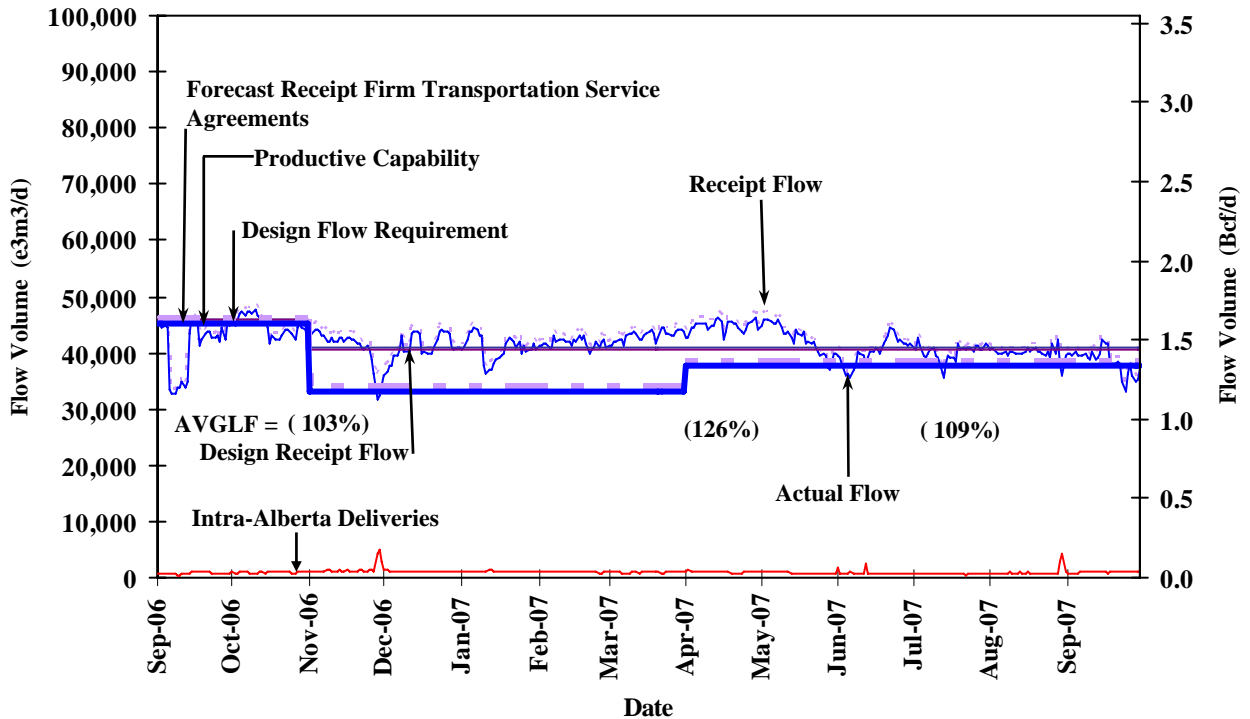
<b>% Design Receipt Utilization</b>						
(Notice: The Percentages are not the same as the Contract Utilization Percentages)						
	Apr	May	Jun	Jul	Aug	Sep
FT Volume	102	99	98	98	100	95
FT-R + IT Volume	113	108	106	107	108	101

**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	Apr	May	Jun	Jul	Aug	Sep
	100	96	94	95	96	89



# DESIGN FLOW REQUIREMENTS UTILIZATION UPPER and CENTRAL PEACE RIVER

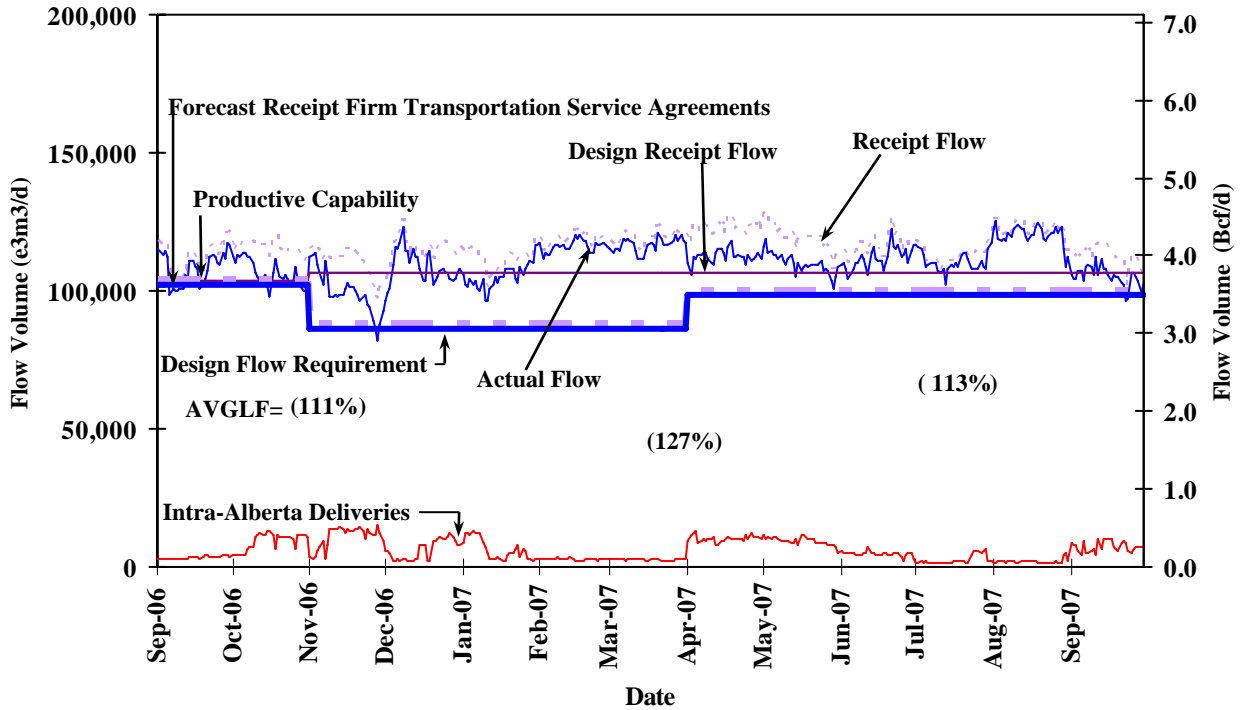
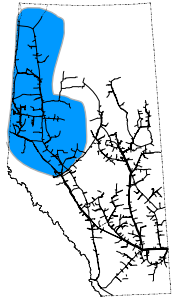


<b>% Design Receipt Utilization</b>						
(Notice: The Percentages are not the same as the Contract Utilization Percentages)						
	Apr	May	Jun	Jul	Aug	Sep
FT Volume	111	109	102	102	103	99
FT-R + IT Volume	136	129	122	121	122	117

**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.

<b>% Design Flow Requirements Utilization</b>						
Monthly Average Actual Flow as a Percentage of Design Flow Requirements						
	Apr	May	Jun	Jul	Aug	Sep
Average Flow/ Design Capacity	119	113	107	106	106	102

# DESIGN FLOW REQUIREMENTS UTILIZATION PEACE RIVER

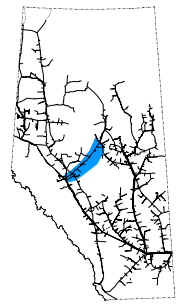


<b>% Design Receipt Utilization</b>						
(Notice: The Percentages are not the same as the Contract Utilization Percentages)						
	Apr	May	Jun	Jul	Aug	Sep
FT Volume	108	109	108	108	109	108
FT-R + IT Volume	140	136	132	128	131	128

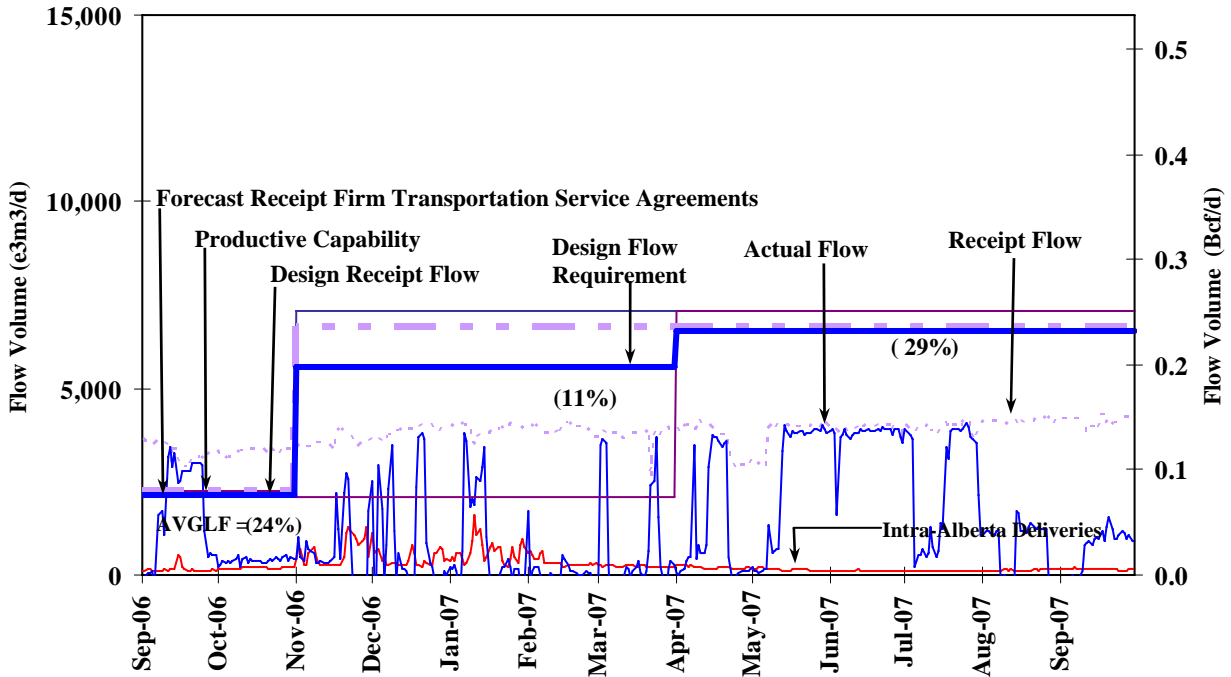
**NOTE:** Utilization data is based upon billed monthly volumes expressed as a percentage of design receipt flow. Design receipt flow is the amount of receipt flow for which the area was designed.

<b>% Design Flow Requirements Utilization</b>						
Monthly Average Actual Flow as a Percentage of Design Flow Requirements						
Average Flow/ Design Capacity	Apr	May	Jun	Jul	Aug	Sep
	114	112	113	112	122	107





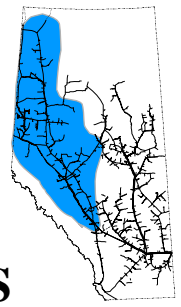
# DESIGN FLOW REQUIREMENTS UTILIZATION MARTEN HILLS



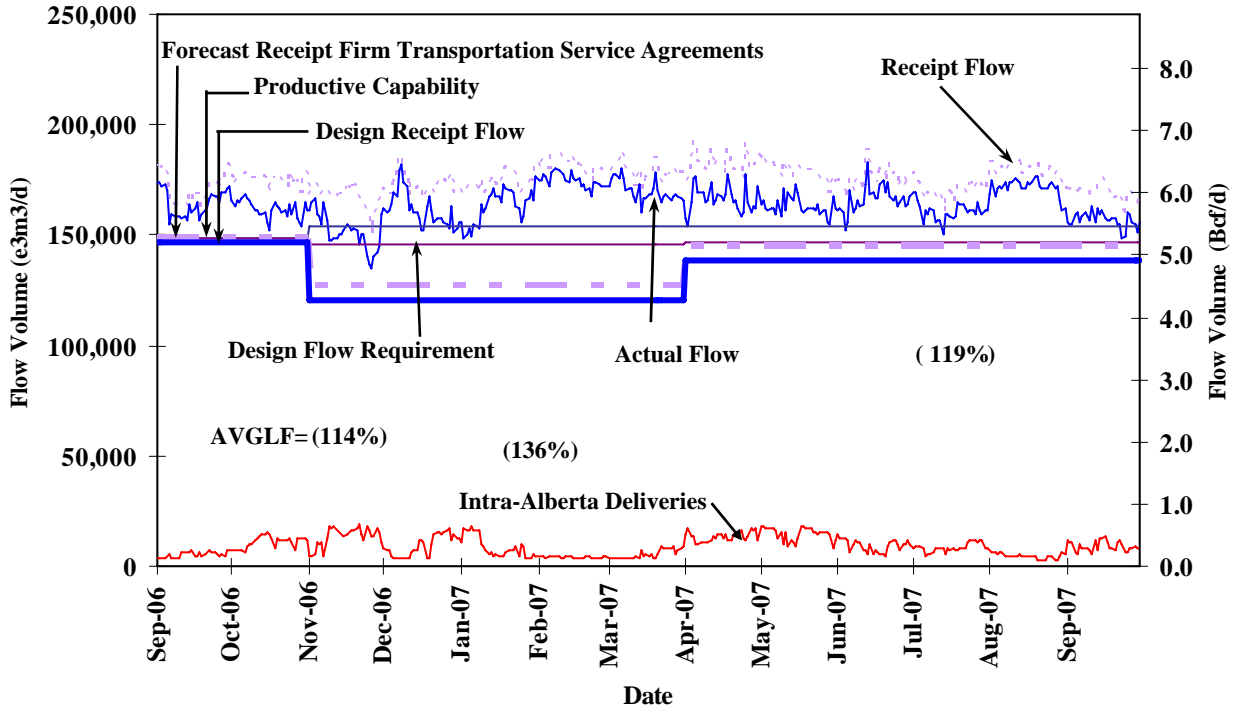
% Design Receipt Utilization						
(Notice: The Percentages are not the same as the Contract Utilization Percentages)						
	Apr	May	Jun	Jul	Aug	Sep
FT Volume	50	49	51	51	50	51
FT-R + IT Volume	63	65	68	68	71	70

**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	Apr	May	Jun	Jul	Aug	Sep
	19	38	58	38	11	11



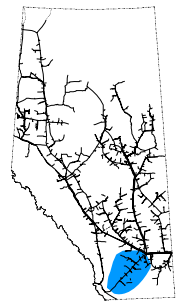
# DESIGN FLOW REQUIREMENTS UTILIZATION EDSON M/L, PEACE RIVER, AND MARTEN HILLS



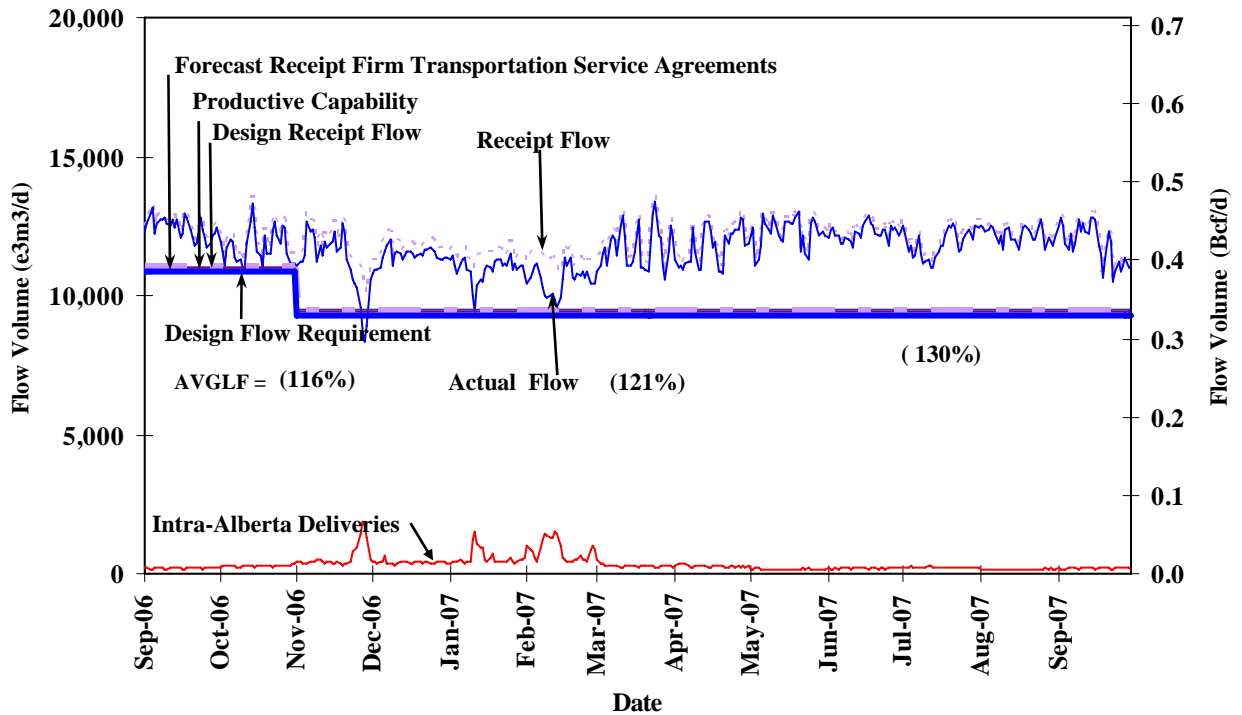
% Design Receipt Utilization						
(Notice: The Percentages are not the same as the Contract Utilization Percentages)						
	Apr	May	Jun	Jul	Aug	Sep
FT Volume	109	110	110	109	110	109
FT-R + IT Volume	139	138	134	131	134	131

**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	Apr	May	Jun	Jul	Aug	Sep
	121	118	120	116	124	114



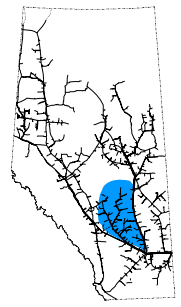
# DESIGN FLOW REQUIREMENTS UTILIZATION SOUTH AND ALDERSON



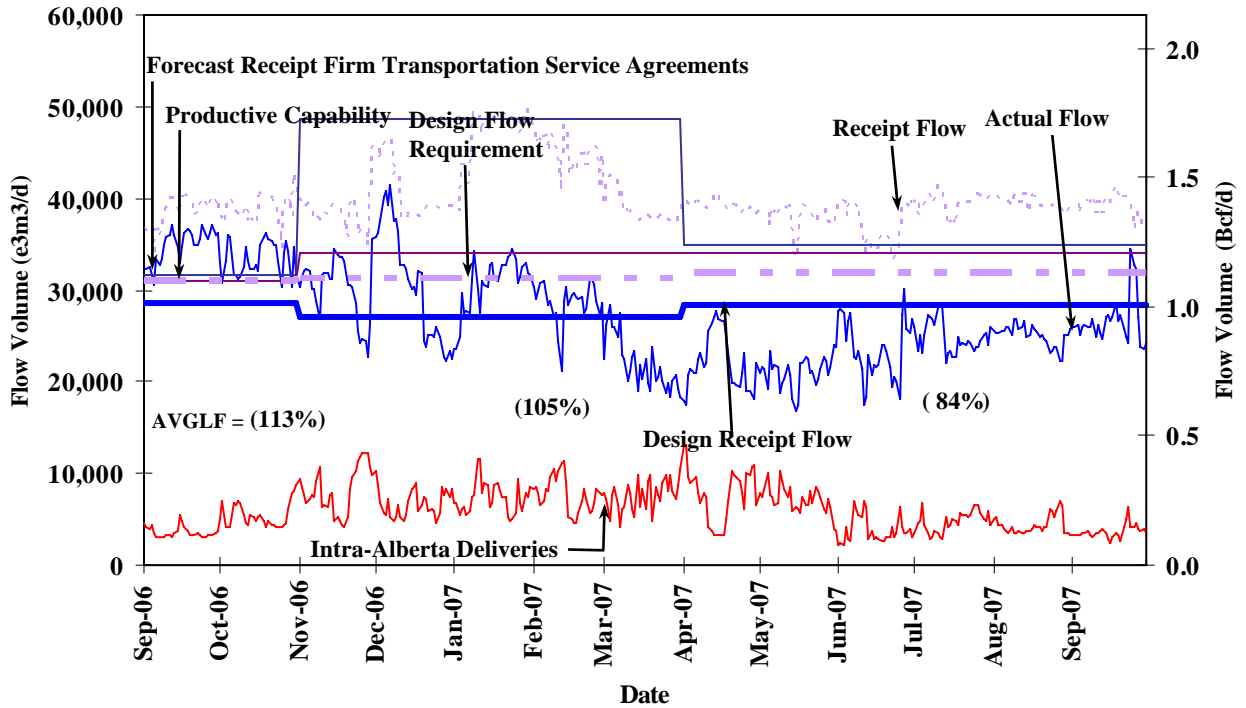
<b>% Design Receipt Utilization</b>						
(Notice: The Percentages are not the same as the Contract Utilization Percentages)						
	Apr	May	Jun	Jul	Aug	Sep
FT Volume	105	106	105	103	104	107
FT-R + IT Volume	128	132	132	128	131	127

**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.

<b>% Design Flow Requirements Utilization</b>						
Monthly Average Actual Flow as a Percentage of Design Flow Requirements						
Average Flow/ Design Capacity	Apr	May	Jun	Jul	Aug	Sep
	127	132	132	128	131	128



# DESIGN FLOW REQUIREMENTS UTILIZATION RIMBEY-NEVIS

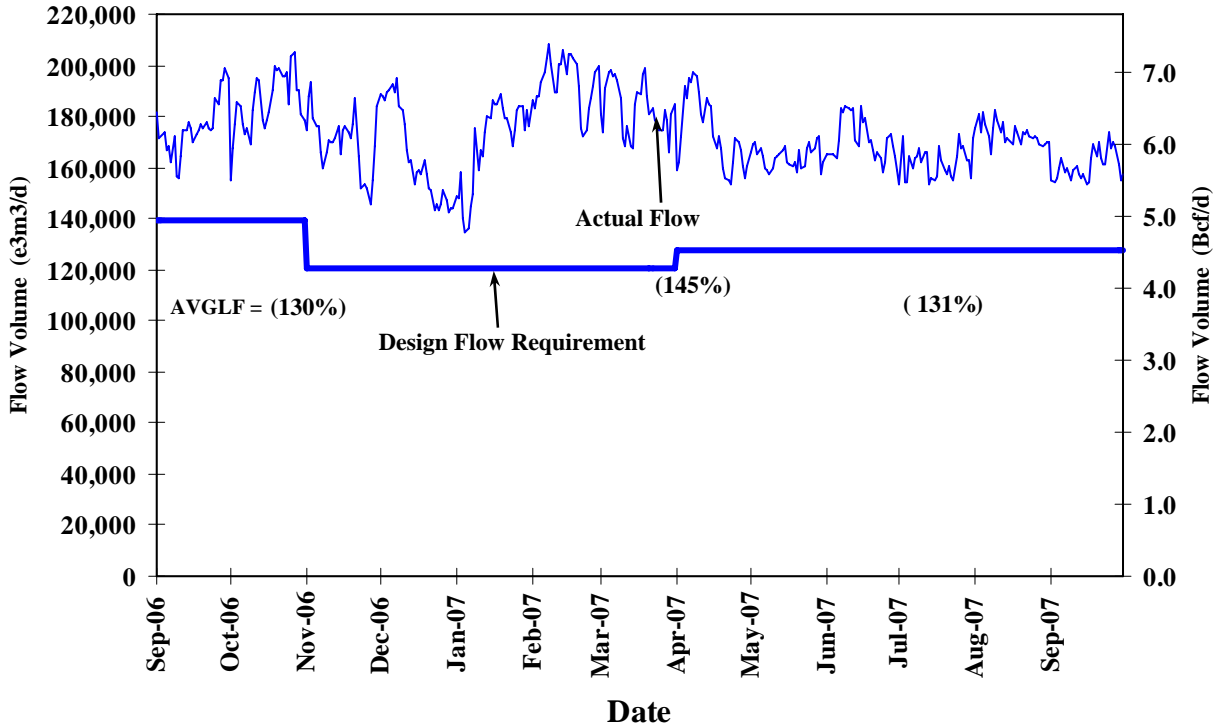
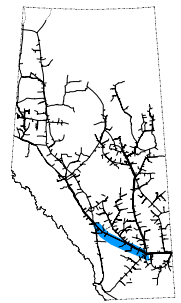


<b>% Design Receipt Utilization</b>						
(Notice: The Percentages are not the same as the Contract Utilization Percentages)						
	Apr	May	Jun	July	Aug	Sep
FT Volume	104	103	98	104	105	103
FT-R + IT Volume	126	126	123	137	134	129

**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.

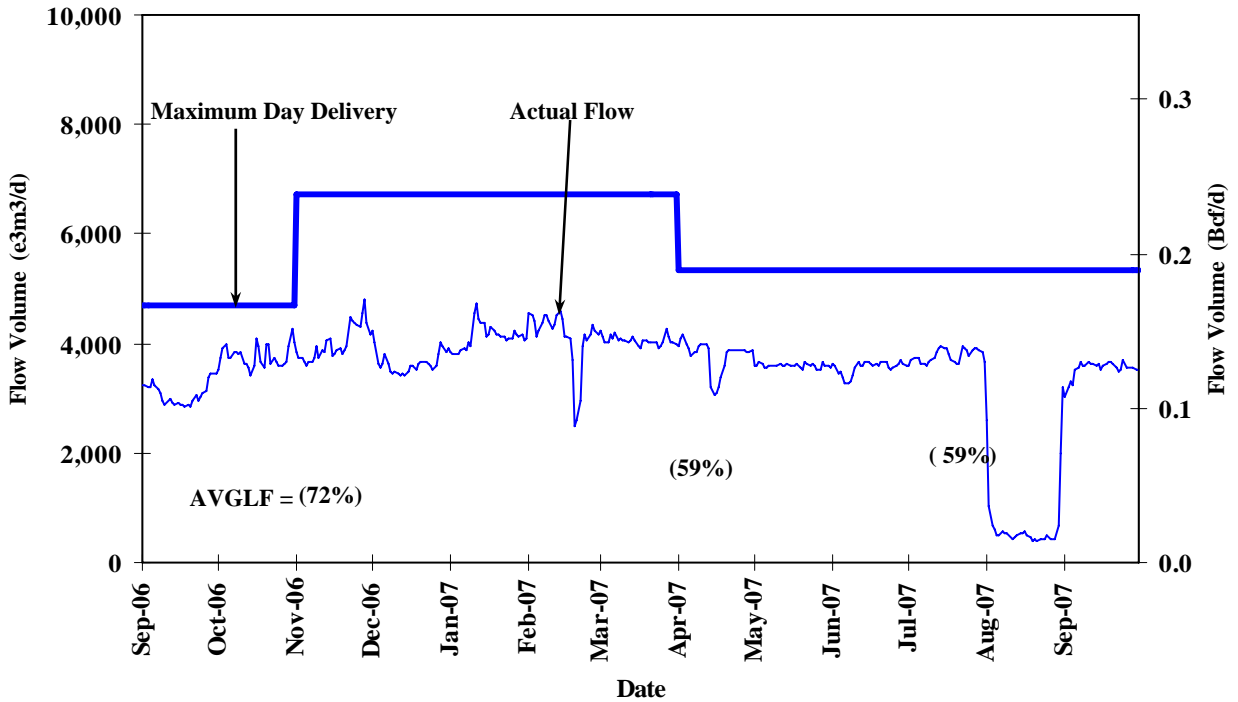
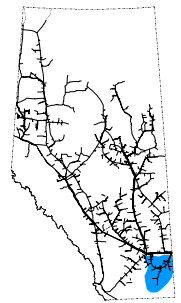
<b>% Design Flow Requirements Utilization</b>						
Monthly Average Actual Flow as a Percentage of Design Flow Requirements						
Average Flow/ Design Capacity	Apr	May	Jun	July	Aug	Sep
	78	74	82	87	88	94

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



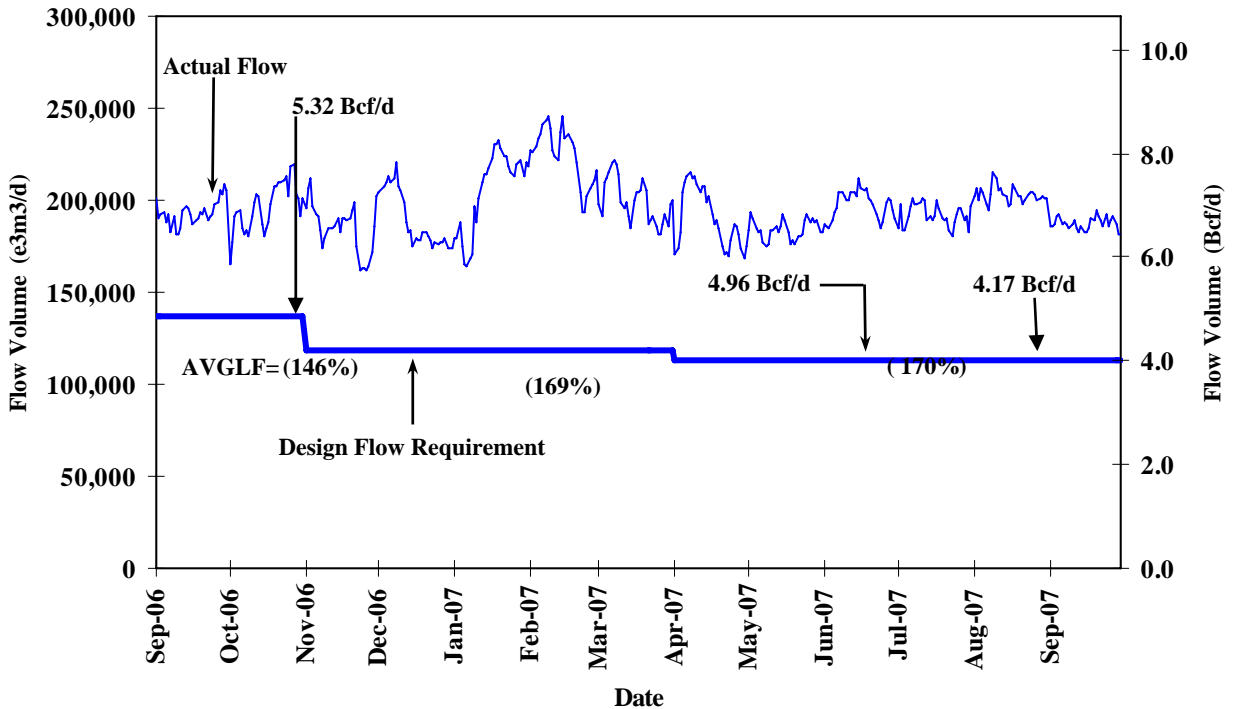
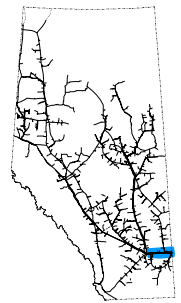
<b>% Design Flow Requirements Utilization</b>						
Monthly Average Actual Flow as a Percentage of Design Flow Requirements						
Average Flow/ Design Capacity	Apr 136	May 129	Jun 134	Jul 127	Aug 136	Sep 126

# 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)



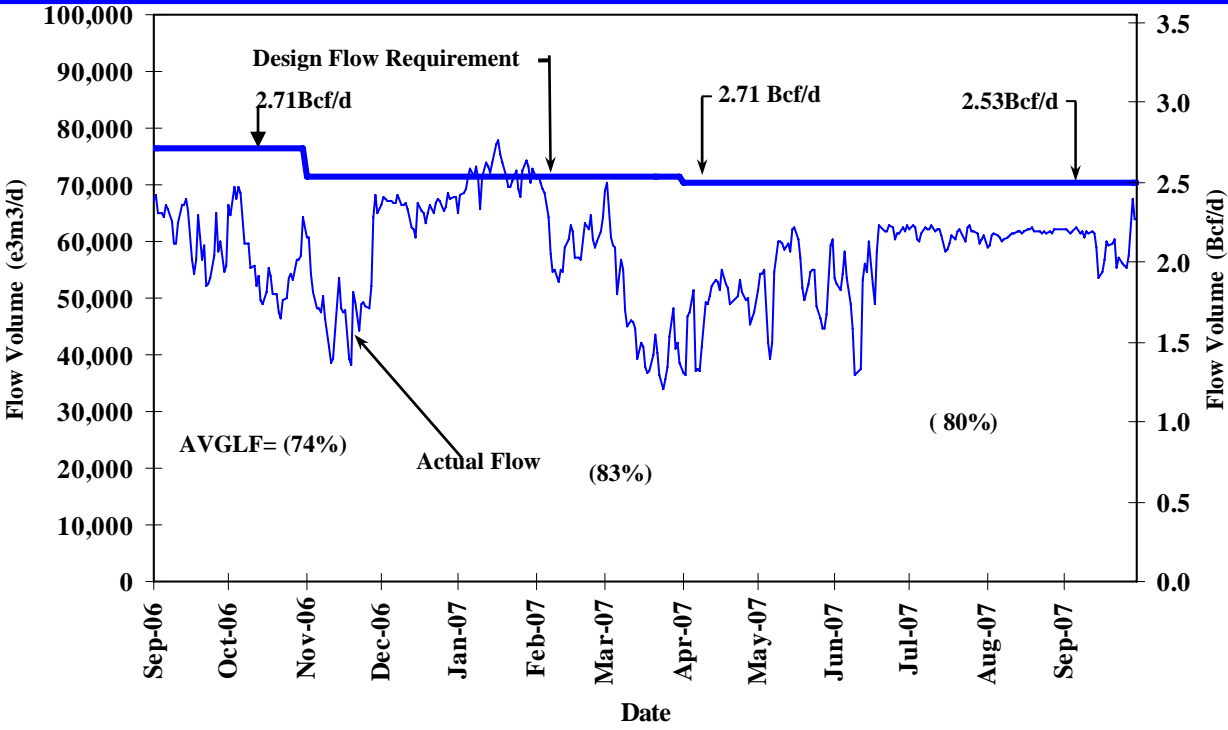
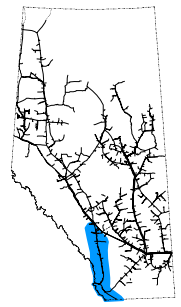
<b>% Design Delivery Utilization</b> (Notice: Average Actual Flow as a Percentage of Design Flow Requirements)						
	Apr	May	Jun	Jul	Aug	Sep
FT <sup>1</sup> Volume	129	133	146	144	151	147
FT <sup>1</sup> + IT Volume	161	156	167	163	171	158

**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)						
	Apr	May	Jun	Jul	Aug	Sep
FT <sup>1</sup> Volume	67	74	76	84	84	83
FT <sup>1</sup> + IT Volume	67	75	77	86	86	86

**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.

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



# HISTORICAL TRANSPORTATION SERVICE AVAILABILITY

July 1, 2007 to September 30, 2007 (3 Month Average)

Receipt Area	Segment	IT-R Service	Firm Service	Firm Service	% CD	
		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
Rimbe/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>	
		Available <sup>(2)</sup>	Available	Restriction	Restricted <sup>(1)</sup>	
		(% of time)	(% of time)	(% of time)	(% of time)	Max
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	August 1, 2006	November 2007
	August 1, 2007	November 2008

## Receipt Firm Transportation Guidelines

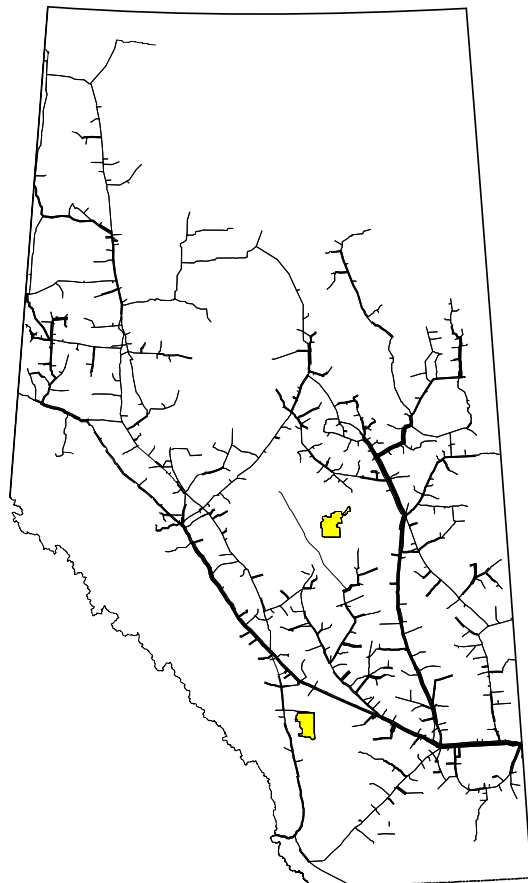
Firm Transportation Service Type	Authorize Firm Transportation Service By	To Ensure Firm Transportation Service By
Receipt - Summer construction (generally south of Edmonton)	November 1, 2006	November 2007
	November 1, 2007	November 2008
Receipt - Winter construction (generally north of Edmonton)	April 1, 2006	April 2007
	April 1, 2007	April 2008

➤ 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 as of December, 2006

(last revision November 2005)



Firm Transportation - Receipt Lead Time

# System Utilization Quarterly Report No. 60, Third Quarter 2007

## Compressor Utilization Summaries

Date: Jul. 1, 2007 to Sep. 30, 2007

### Peace River

Compressor Unit	Site Rated Power - Kw	Running Hours	No Demand Hours	Availability %	No Demand %	Usage %	Outage %
1 Alces River Unit #1	3,480	0.0	1905.9	86.32	86.32	0.00	13.68
Alces River B Unit #2	10,939	20.5	2181.2	99.71	98.79	0.93	0.29
Berland River Unit#1	21,830	1902.8	81.8	89.88	3.70	86.18	10.12
Cardinal Lake Unit#1	820	0.3	2202.7	99.77	99.76	0.01	0.23
Cardinal Lake Unit#2	820	13.4	2192.5	99.90	99.30	0.61	0.10
Cardinal Lake Unit#3	820	0.9	2057.3	93.22	93.17	0.04	6.78
Clarkson Valley Unit#1	15,936	2073.9	116.8	99.22	5.29	93.93	0.78
Fox Creek Unit#1	15,570	1942.7	256.1	99.58	11.60	87.98	0.42
Gold Creek Unit#1	10,968	2168.3	36.3	99.85	1.64	98.20	0.15
Gold Creek Unit#2	25,427	2191.3	11.5	99.76	0.52	99.24	0.24
Hidden Lake Unit #1	11,078	1079.6	976.6	93.12	44.23	48.89	6.88
Knight Unit #3	13,291	394.2	1807.1	99.70	81.84	17.85	0.30
Knight Unit #4	13,396	1925.3	212.5	96.82	9.62	87.20	3.18
Latornell Unit #1	28,110	2089.2	65.4	97.58	2.96	94.62	2.42
Meikle River Unit #1	3,577	38.3	2162.3	99.66	97.93	1.73	0.34
Meikle River B Unit #2	3,504	2173.1	3.8	98.59	0.17	98.42	1.41
1 Mobile Unit #4 (Meikle River)	3,231	1915.6	290.9	99.93	13.17	86.76	0.07
1 Mobile Unit #6 (Dryden Creek)	3,320	1198.2	100.0	58.80	4.53	54.27	41.20
Pipestone Creek Unit #1	29,923	0.0	2167.5	98.17	98.17	0.00	1.83
Saddle Hills Unit #1	3,486	17.7	2174.1	99.27	98.46	0.80	0.73
Saddle Hills Unit #2	6,711	0.0	0.1	0.00	0.00	0.00	100.00
Saddle Hills Unit #3	7,953	159.2	2040.3	99.62	92.40	7.21	0.38
1 Thunder Creek Unit #1	3,414	27.6	2109.5	96.79	95.54	1.25	3.21
Valleyview Unit #1	3,747	132.2	2066.4	99.57	93.59	5.99	0.43
<b>Total</b>	<b>241,351</b>			<b>91.87</b>	<b>51.36</b>	<b>40.50</b>	<b>8.13</b>
<b>Power Adjusted Usage</b>						<b>57.44</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 %
1 Beaver Creek Unit #1	955	0.0	2208.0	100.00	100.00	0.00	0.00
1 Beaver Creek Unit #2	955	0.0	1149.8	52.07	52.07	0.00	47.93
1 Beaver Creek Unit #3	955	0.0	2208.0	100.00	100.00	0.00	0.00
1 Beaver Creek Unit #4	955	0.0	0.1	0.00	0.00	0.00	100.00
1 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>50.41</b>	<b>50.41</b>	<b>0.00</b>	<b>49.59</b>
<b>Power Adjusted Usage</b>						<b>0.00</b>	

1. Units required under peak flow conditions

# System Utilization Quarterly Report No. 60, Third Quarter 2007

## Compressor Utilization Summaries

Date: Jul. 1, 2007 to Sep. 30, 2007

### **Rimbey/Nevis**

Compressor Unit	Site Rated Power - Kw	Running Hours	No Demand Hours	Availability %	No Demand %	Usage %	Outage %
Hussar Unit #6	13,964	1617.9	549.5	98.16	24.89	73.27	1.84
Hussar Unit #7	13,964	596.5	1594.7	99.24	72.22	27.02	0.76
Mobile Unit #8 (Torrington)	7,236	21.2	2146.9	98.19	97.23	0.96	1.81
<b>Total</b>	<b>35,164</b>			<b>98.53</b>	<b>64.78</b>	<b>33.75</b>	<b>1.47</b>
<b>Power Adjusted Usage</b>						<b>40.02</b>	

### **Edson Mainline**

Compressor Unit	Site Rated Power - Kw	Running Hours	No Demand Hours	Availability %	No Demand %	Usage %	Outage %
1 Clearwater Unit #1	22,044	1220.2	886.5	95.41	40.15	55.26	4.59
Clearwater Unit #5	20,966	1975.1	204.5	98.71	9.26	89.45	1.29
Lodgepole Unit #3	3,776	32.3	2175.7	100.00	98.54	1.46	0.00
Nordegg Unit #3	31,802	2066.1	139.5	99.89	6.32	93.57	0.11
1 Vetchland Unit #1	23,842	1163.7	1019.9	98.89	46.19	52.70	1.11
1 Vetchland Unit #2	23,842	681.4	1525.1	99.93	69.07	30.86	0.07
Swartz Creek Unit #1	29,163	2122.9	21.8	97.13	0.99	96.15	2.87
Wolf Lake Unit #2	24,304	2195.1	2.7	99.54	0.12	99.42	0.46
<b>Total</b>	<b>179,739</b>			<b>98.69</b>	<b>33.83</b>	<b>64.86</b>	<b>1.31</b>
<b>Power Adjusted Usage</b>						<b>73.93</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	1117.7	1012.0	96.45	45.83	50.62	3.55
1 Burton Creek Unit #2	14,956	1005.9	1199.3	99.87	54.32	45.56	0.13
Drywood Unit #1	3,800	0.0	2208.0	100.00	100.00	0.00	0.00
Schrader Creek Unit #2	13,591	2105.4	6.9	95.67	0.31	95.35	4.33
Turner Valley Unit #1	23,642	1940.5	235.6	98.56	10.67	87.88	1.44
Turner Valley Unit #2	23,642	350.8	1783.7	96.67	80.78	15.89	3.33
Winchell Lake Unit #1	23,873	1951.1	162.7	95.73	7.37	88.37	4.27
<b>Total</b>	<b>119,324</b>			<b>97.56</b>	<b>42.75</b>	<b>54.81</b>	<b>2.44</b>
<b>Power Adjusted Usage</b>						<b>61.52</b>	

1. Units required under peak flow conditions

# System Utilization Quarterly Report No. 60, Third Quarter 2007

## Compressor Utilization Summaries

Date: Jul. 1, 2007 to Sep. 30, 2007

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

Compressor Unit	Site Rated Power - Kw	Running Hours	No Demand Hours	Availability %	No Demand %	Usage %	Outage %
1 Bens Lake Unit #1	977	33.1	2079.4	95.67	94.18	1.50	4.33
1 Bens Lake Unit #2	977	4.8	2030.5	92.18	91.96	0.22	7.82
1 Bens Lake Unit #3	977	0.3	1871.3	84.76	84.75	0.01	15.24
1 Bens Lake Unit #4	3,539	4.4	2203.4	99.99	99.79	0.20	0.01
1 Bens Lake Unit #5	3,546	3.8	2201.2	99.86	99.69	0.17	0.14
Bens Lake Unit #6	4,724	2.1	0.8	0.13	0.04	0.10	99.87
1 Bens Lake Unit #7	977	31.3	2080.9	95.66	94.24	1.42	4.34
Mobile Unit #9 (Behan)	3,327	2.1	2179.2	98.79	98.70	0.10	1.21
1 Field Lake Unit #1	3,570	4.0	2168.4	98.39	98.21	0.18	1.61
1 Field Lake Unit #2	3,570	2.0	2194.8	99.49	99.40	0.09	0.51
Hanmore Lake Unit #1	541	109.5	2031.1	96.95	91.99	4.96	3.05
1 Hanmore Lake Unit #2	541	8.2	2137.7	97.19	96.82	0.37	2.81
1 Hanmore Lake Unit #3	3,407	4.5	2191.9	99.47	99.27	0.20	0.53
1 Hanmore Lake Unit #4	3,407	4.4	2198.8	99.78	99.58	0.20	0.22
Woodenhouse #1	7,953	2165.4	2.1	98.17	0.10	98.07	1.83
1 Mobile Unit #5 (Paul Lake)	3,090	915.1	1287.6	99.76	58.32	41.44	0.24
Paul Lake Unit #1	3,457	1968.4	238.8	99.96	10.82	89.15	0.04
1 Pelican Lake Unit #2	3,594	2.5	2204.5	99.95	99.84	0.11	0.05
1 Slave Lake Unit #1	978	0.0	0.1	0.00	0.00	0.00	100.00
1 Slave Lake Unit #2	978	1095.8	1110.2	99.91	50.28	49.63	0.09
1 Slave Lake Unit #3	978	1791.9	414.1	99.91	18.75	81.15	0.09
1 Slave Lake Unit #4	978	1188.6	1017.4	99.91	46.08	53.83	0.09
1 Smoky Lake Unit #1	978	2191.4	14.6	99.91	0.66	99.25	0.09
Smoky Lake Unit #2	978	937.9	445.5	62.65	20.18	42.48	37.35
Smoky Lake Unit #3	978	1235.3	967.4	99.76	43.81	55.95	0.24
1 Smoky Lake Unit #7	16,061	3.5	2200.3	99.81	99.65	0.16	0.19
<b>Total</b>	<b>75,081</b>			<b>89.15</b>	<b>65.27</b>	<b>23.88</b>	<b>10.85</b>
<b>Power Adjusted Usage</b>						<b>21.36</b>	

1. Units required under peak flow conditions

# System Utilization Quarterly Report No. 60, Third Quarter 2007

## Compressor Utilization Summaries

Date: Jul. 1, 2007 to Sep. 30, 2007

### 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	140.6	140.6	2063.4	99.82	93.45	6.37	0.18
Cavendish Unit #2	4306.0	1749.2	440.7	99.18	19.96	79.22	0.82
1 Dusty Lake Unit #2	14200.0	2.6	2030.3	92.07	91.95	0.12	7.93
1 Dusty Lake Unit #3	15873.0	3.2	2029.4	92.06	91.91	0.14	7.94
Farrell Lake Unit #1	14004.0	3.0	2175.2	98.65	98.51	0.14	1.35
1 Farrell Lake Unit #2	15630.0	0.0	2208.0	100.00	100.00	0.00	0.00
1 Gadsby Unit #1	14244.0	0.0	0.1	0.00	0.00	0.00	100.00
1 Gadsby Unit #2	15797.0	0.0	0.1	0.00	0.00	0.00	100.00
1 Gadsby Unit #B3	7953.0	2128.5	79.5	100.00	3.60	96.40	0.00
1 Oakland Unit #1	14137.0	0.2	371.3	16.83	16.82	0.01	83.17
1 Princess Unit #1	2,685	415.6	1703.6	95.98	77.16	18.82	4.02
1 Princess Unit #2	2,685	212.2	1987.1	99.61	90.00	9.61	0.39
1 Princess Unit #3	2,685	74.0	2122.8	99.49	96.14	3.35	0.51
1 Princess Unit #4	4,474	43.9	1031.6	48.71	46.72	1.99	51.29
1 Princess Unit #5	4,474	316.9	1572.0	85.55	71.20	14.35	14.45
Wainwright Unit #2	1,790	569.8	1625.7	99.43	73.63	25.81	0.57
Wainwright Unit #3	1,230	2.8	2198.1	99.68	99.55	0.13	0.32
Wainwright Unit #4	1640.1	1640.1	562.3	99.75	25.47	74.28	0.25
<b>Total</b>	<b>137,948</b>			<b>79.27</b>	<b>60.89</b>	<b>18.37</b>	<b>20.73</b>
<b>Power Adjusted Usage</b>						<b>10.45</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	2181.0	22.7	99.81	1.03	98.78	0.19
1 Beiseker Unit #1	11857.0	181.7	1954.5	96.75	88.52	8.23	3.25
1 Beiseker Unit #2	11857.0	147.4	2059.5	99.95	93.27	6.68	0.05
Crawling Valley Unit #1	26104.0	1844.7	360.8	99.89	16.34	83.55	0.11
1 Didsbury Unit #5	794.0	0.0	2183.1	98.87	98.87	0.00	1.13
1 Didsbury Unit #6	731.0	0.0	0.1	0.00	0.00	0.00	100.00
Hussar Unit #8	13964.0	1523.1	397.5	86.98	18.00	68.98	13.02
Jenner Unit #1	23555.0	2135.7	5.9	96.99	0.27	96.73	3.01
Jenner Unit #2	18000.0	0.0	0.1	0.00	0.00	0.00	100.00
Princess Unit #6	19749.0	2163.9	18.9	98.86	0.86	98.00	1.14
Red Deer River Unit #1	24355.0	765.2	1419.9	98.96	64.31	34.66	1.04
Red Deer River Unit #2	24355.0	2146.9	51.4	99.56	2.33	97.23	0.44
Shrader Creek Unit #1	26251.0	1843.6	19.5	84.38	0.88	83.50	15.62
Schrader Creek Unit #3	13697.0	1626.2	230.5	84.09	10.44	73.65	15.91
<b>Total</b>	<b>241,414</b>			<b>81.79</b>	<b>28.22</b>	<b>53.57</b>	<b>18.21</b>
<b>Power Adjusted Usage</b>						<b>68.47</b>	

1. Units required under peak flow conditions

# System Utilization Quarterly Report No. 60, Third Quarter 2007

## Compressor Utilization Summaries

Date: Jul. 1, 2007 to Sep. 30, 2007

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

Compressor Unit	Site Rated Power - Kw	Running Hours	No Demand Hours	Availability %	No Demand %	Usage %	Outage %
1 Crowsnest E	10888.0	0.0	2208.0	100.00	100.00	0.00	0.00
1 Crowsnest F	10888.0	152.6	2047.8	99.66	92.74	6.91	0.34
Crowsnest G	9126.0	40.7	236.4	12.55	10.71	1.84	87.45
Crowsnest K	28723.0	1134.3	493.3	73.71	22.34	51.37	26.29
Crowsnest 2 H	12529.0	1935.7	271.2	99.95	12.28	87.67	0.05
Crowsnest 2 J	12529.0	1338.6	864.9	99.80	39.17	60.62	0.20
1 Elko A	11930.0	484.4	1723.5	100.00	78.06	21.94	0.00
Elko B	13528.0	2031.9	143.0	98.50	6.48	92.02	1.50
Elko C	13369.0	1560.9	3.0	70.83	0.14	70.69	29.17
1 Moyie B	11930.0	288.5	1917.2	99.90	86.83	13.07	0.10
Moyie C	13281.0	1868.8	262.9	96.54	11.91	84.64	3.46
Moyie D	13389.0	1921.8	279.3	99.69	12.65	87.04	0.31
<b>Total</b>	<b>162,110</b>			<b>87.59</b>	<b>39.44</b>	<b>48.15</b>	<b>12.41</b>
<b>Power Adjusted Usage</b>						<b>51.34</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* (24 on the system) or *Design Area* (11 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 24 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 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.

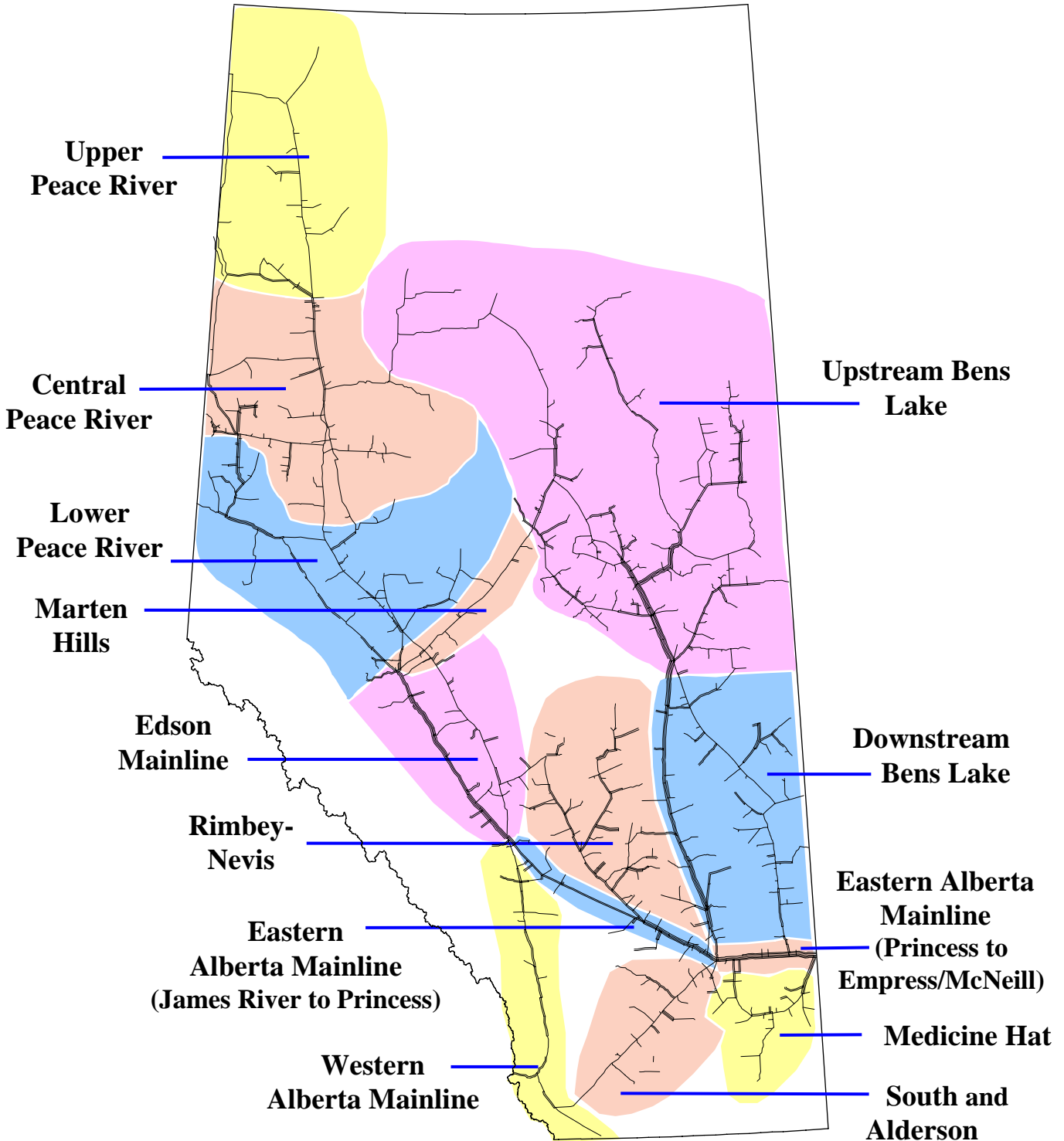
Service availability is affected by a number of factors including scheduled and unscheduled maintenance, construction or other outages.

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**

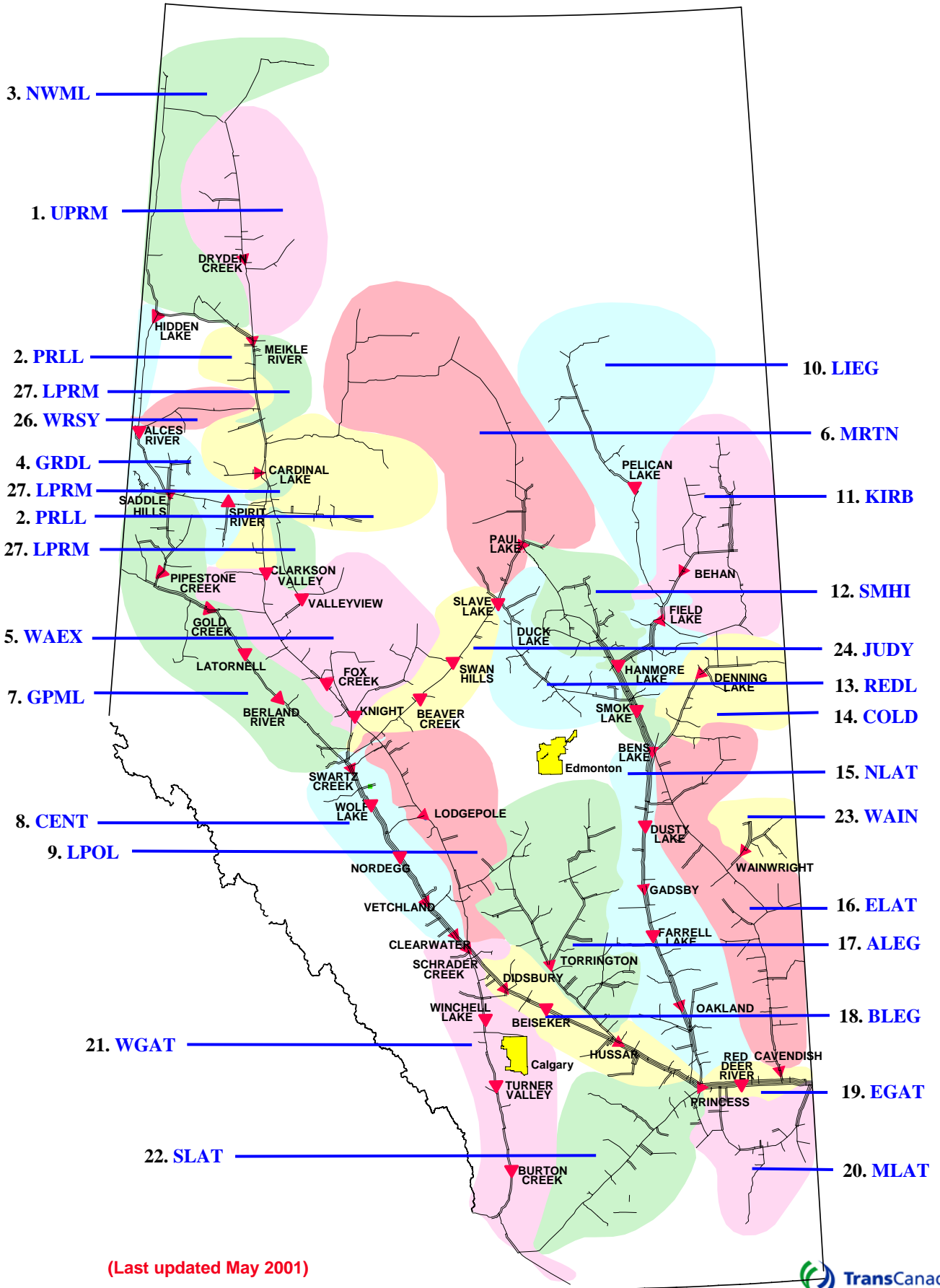
The Future Firm Transportation Service Availability report presents guidelines and timing for all future firm transportation service requests.

# NGTL DESIGN AREAS



(Last updated February 2001)

# 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