

SYSTEM UTILIZATION MONTHLY REPORT

for the month ending

October 2020

<http://www.tccustomerexpress.com/2885.html>

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Highlights This Month:

- N/A

NOVA Gas Transmission Ltd.



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Utilization reports are posted approximately six weeks after the end of the reported month.

If you have any questions on the content of this report, contact Winston Cao at (403) 920-5315 or winston_cao@tcenergy.com.

FIRM TRANSPORTATION SERVICE¹ CONTRACT UTILIZATION³

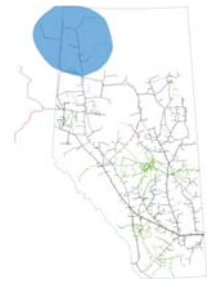
By NGTL Pipeline Segments
October 2020

Segment	Contract	Delivery		Receipt	
		Utilization	Oct CD (TJ/d)	Utilization	Oct CD (MMcf/d)
UPRM	FT	0%	0.0	83%	85
	FT + IT ²	0%		83%	
PRL	FT	48%	30.0	70%	223
	FT + IT	62%		71%	
NWML	FT	58%	5.0	89%	169
	FT + IT	68%		89%	
GRDL	FT	0%	0.0	74%	4,713
	FT + IT	0%		74%	
WAEX	FT	52%	19.2	68%	1,089
	FT + IT	130%		68%	
JUDY	FT	53%	18.0	76%	30
	FT + IT	53%		88%	
GPML	FT	56%	230.8	69%	5,432
	FT + IT	99%		69%	
CENT	FT	0%	0.0	47%	3,022
	FT + IT	0%		47%	
LPOL	FT	19%	94.6	64%	874
	FT + IT	71%		66%	
WGAT	FT	77%	4,383.2	96%	218
	FT + IT	78%		113%	
ALEG	FT	63%	435.8	95%	459
	FT + IT	67%		122%	
SLAT	FT	34%	174.0	99%	72
	FT + IT	34%		160%	
MLAT	FT	70%	265.6	95%	109
	FT + IT	72%		138%	
BLEG	FT	52%	188.1	97%	341
	FT + IT	53%		128%	
EGAT	FT	88%	4,294.3	89%	12
	FT + IT	90%		144%	
MRTN	FT	41%	19.8	62%	38
	FT + IT	43%		70%	
LIEG	FT	67%	2,201.6	67%	20
	FT + IT	68%		98%	
KIRB	FT	82%	1,701.7	93%	4
	FT + IT	82%		223%	
SMHI	FT	55%	12.0	99%	3
	FT + IT	55%		317%	
REDL	FT	39%	14.0	92%	5
	FT + IT	47%		230%	
COLD	FT	57%	211.8	100%	1
	FT + IT	58%		1561%	
EDM	FT	49%	1,893.1	93%	17
	FT + IT	50%		184%	
NLAT	FT	50%	16.9	96%	47
	FT + IT	90%		219%	
WAIN	FT	34%	0.3	86%	3
	FT + IT	51%		105%	
ELAT	FT	67%	317.5	96%	69
	FT + IT	67%		135%	
TOTAL SYSTEM	FT	73%	16,527.1	69%	17,056
	FT + IT	76%		72%	

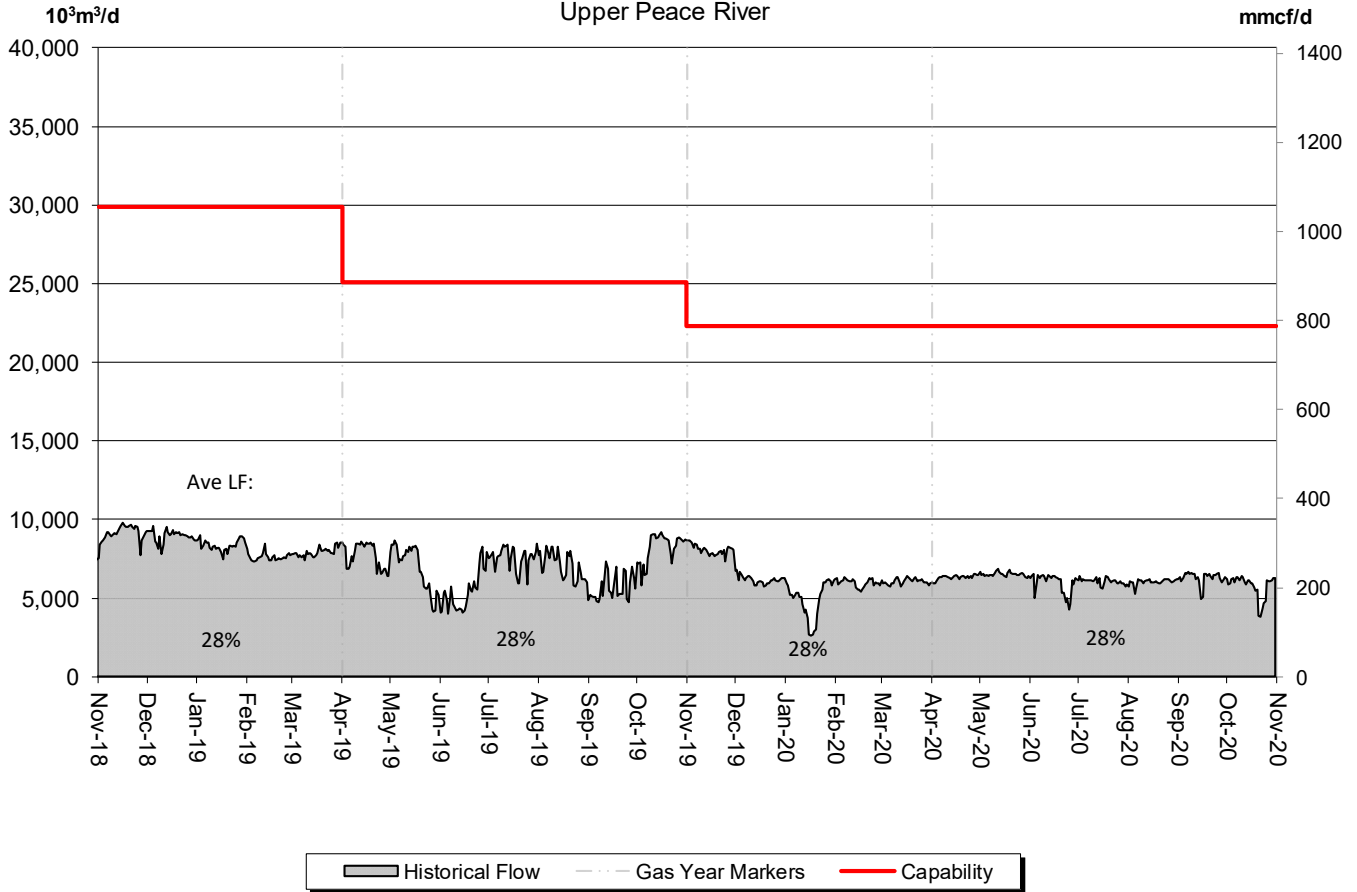
*NOTE:

1. FT includes all receipt and delivery Firm Transportation Services.
2. IT includes receipt and delivery Interruptible Services.
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 UPPER PEACE RIVER

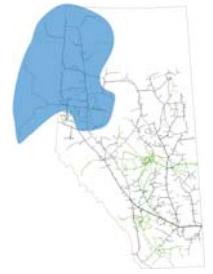


Throughput vs. Design Capability
Upper Peace River

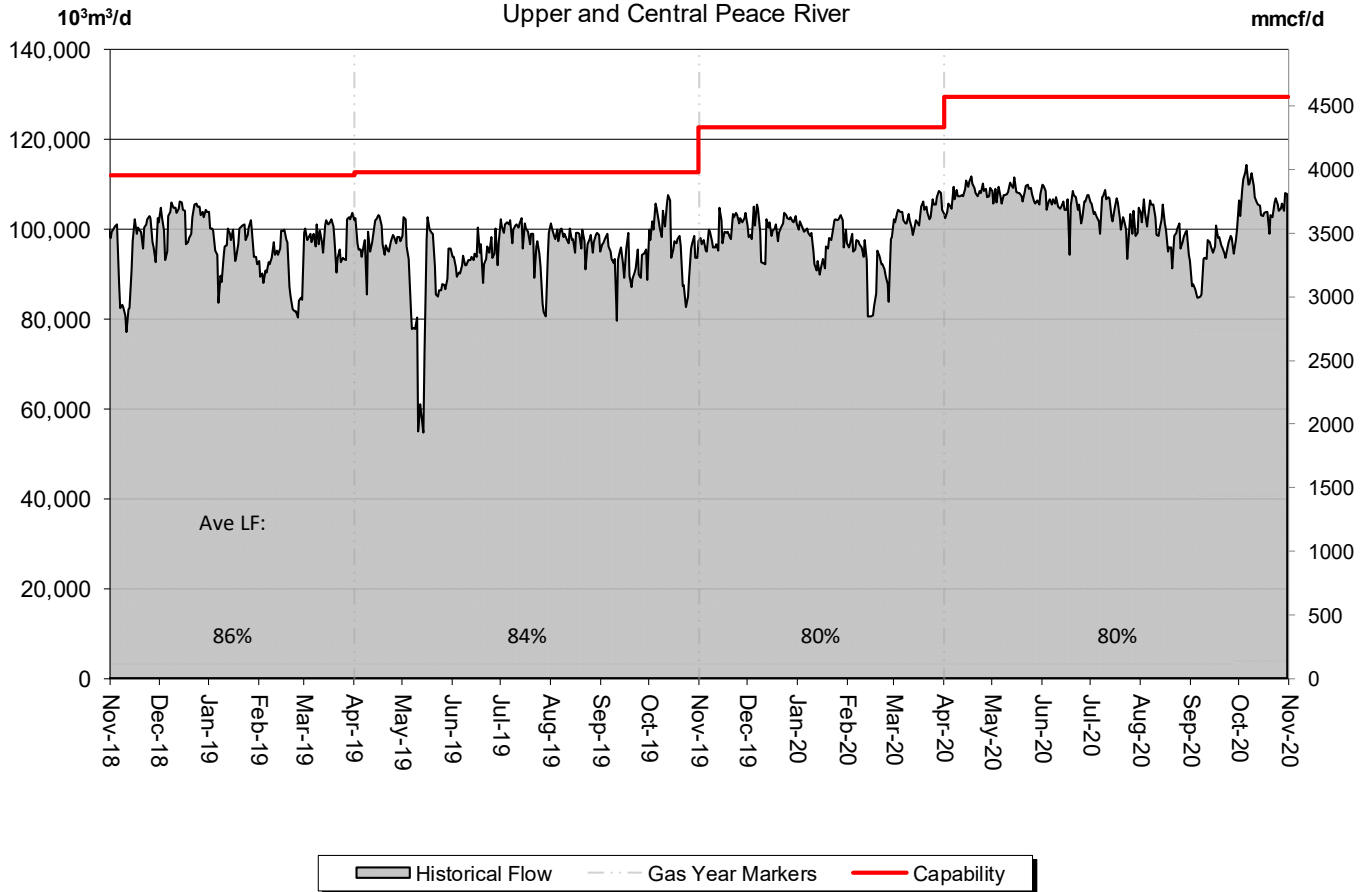


% Design Capability Utilization						
Flow/ Design	May	Jun	Jul	Aug	Sep	Oct
	29%	27%	27%	27%	28%	26%

DESIGN CAPABILITY UTILIZATION UPPER and CENTRAL PEACE RIVER



Throughput vs. Design Capability
Upper and Central Peace River

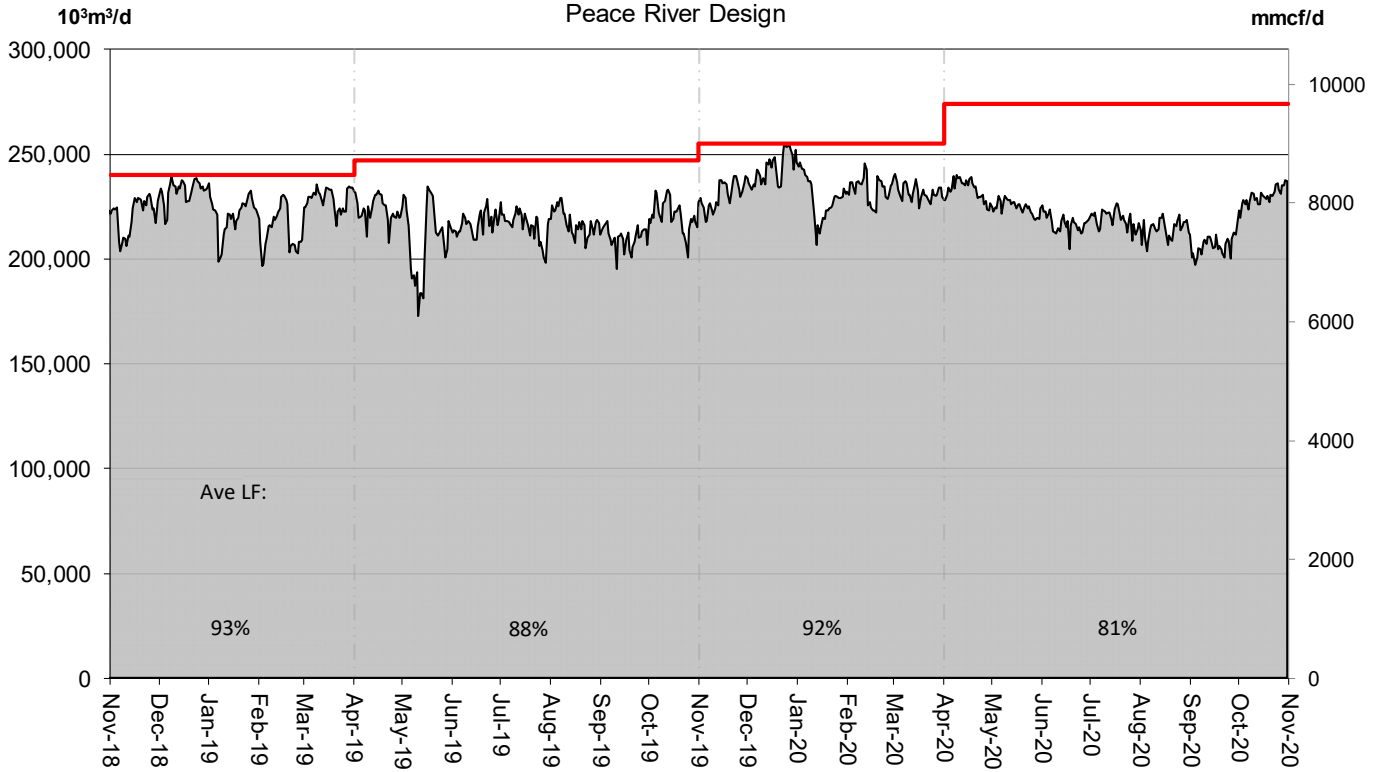


% Design Capability Utilization						
Flow/ Design	May	Jun	Jul	Aug	Sep	Oct
	83%	82%	80%	77%	73%	82%

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



Throughput vs. Design Capability
Peace River Design



Historical Flow
 Gas Year Markers
 Capability

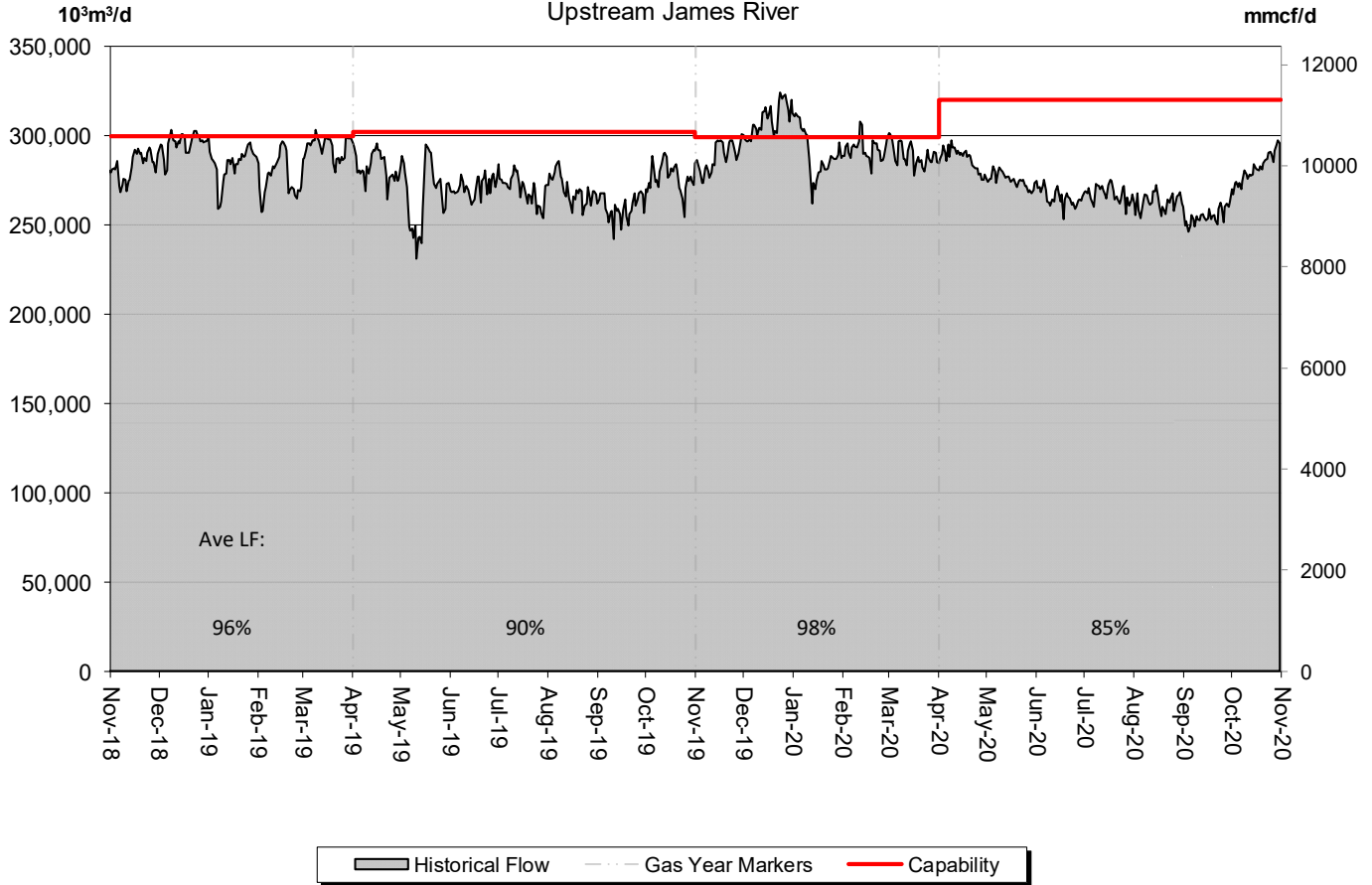
% Design Capability Utilization						
Flow/Design	May	Jun	Jul	Aug	Sep	Oct
	82%	79%	80%	78%	75%	84%

DESIGN CAPABILITY UTILIZATION UPSTREAM JAMES RIVER

(Edson Mainline, Peace River Design and Marten Hills)



Throughput vs. Design Capability
Upstream James River

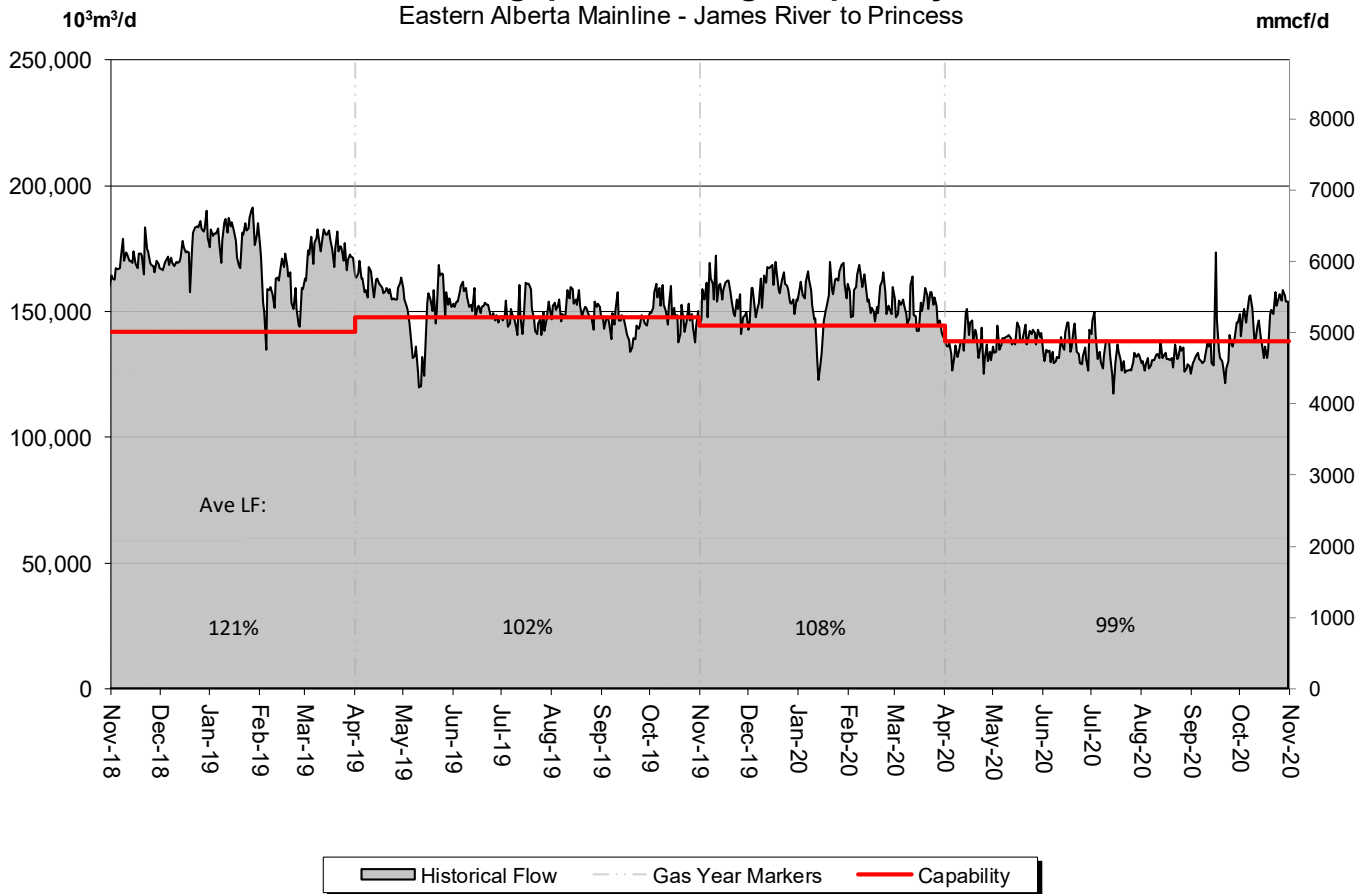


% Design Capability Utilization						
Flow/Design	May	Jun	Jul	Aug	Sep	Oct
	86%	83%	84%	82%	80%	88%

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

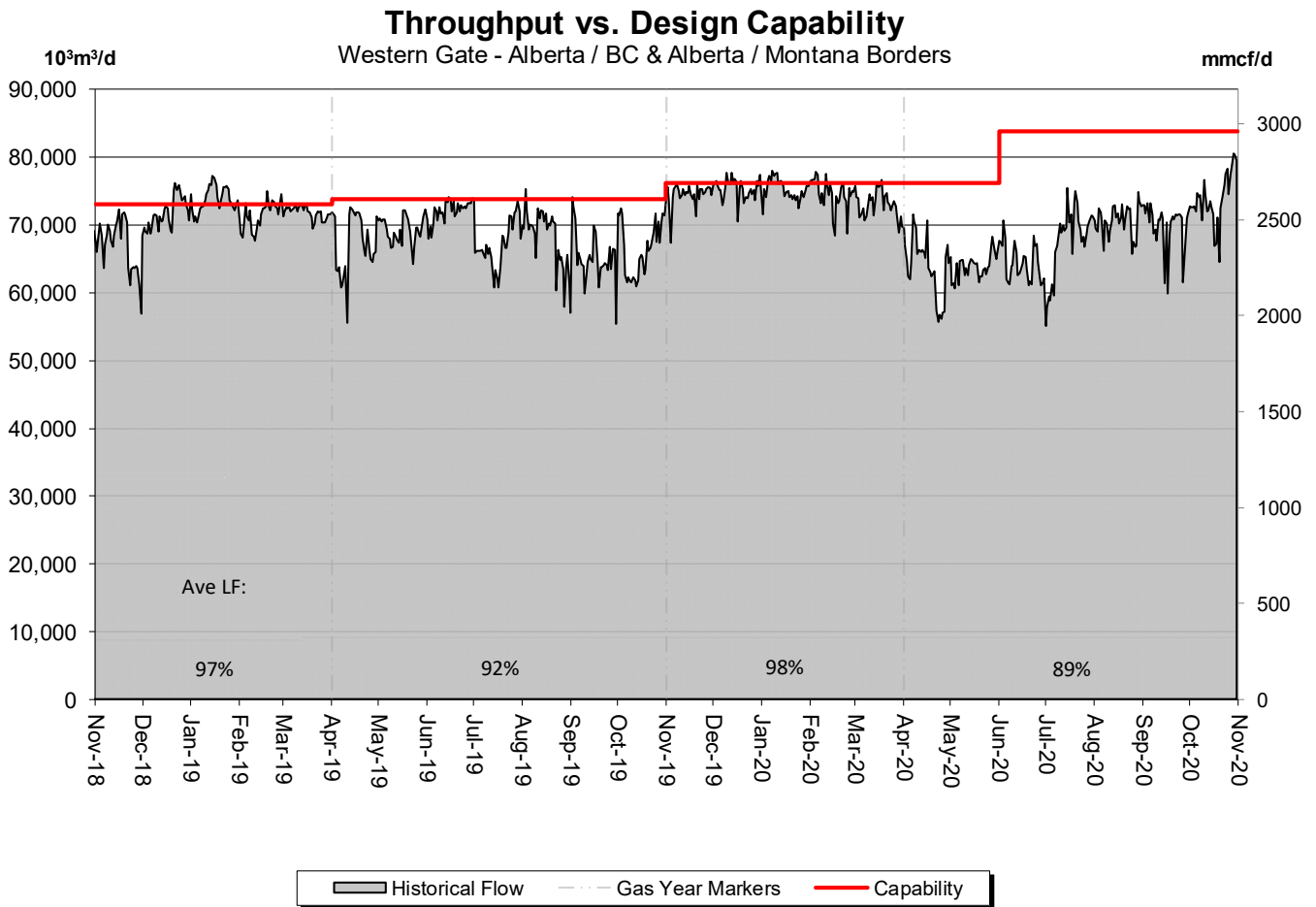


Throughput vs. Design Capability
Eastern Alberta Mainline - James River to Princess



% Design Capability Utilization						
Flow/ Design	May	Jun	Jul	Aug	Sep	Oct
	101%	98%	96%	95%	98%	107%

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

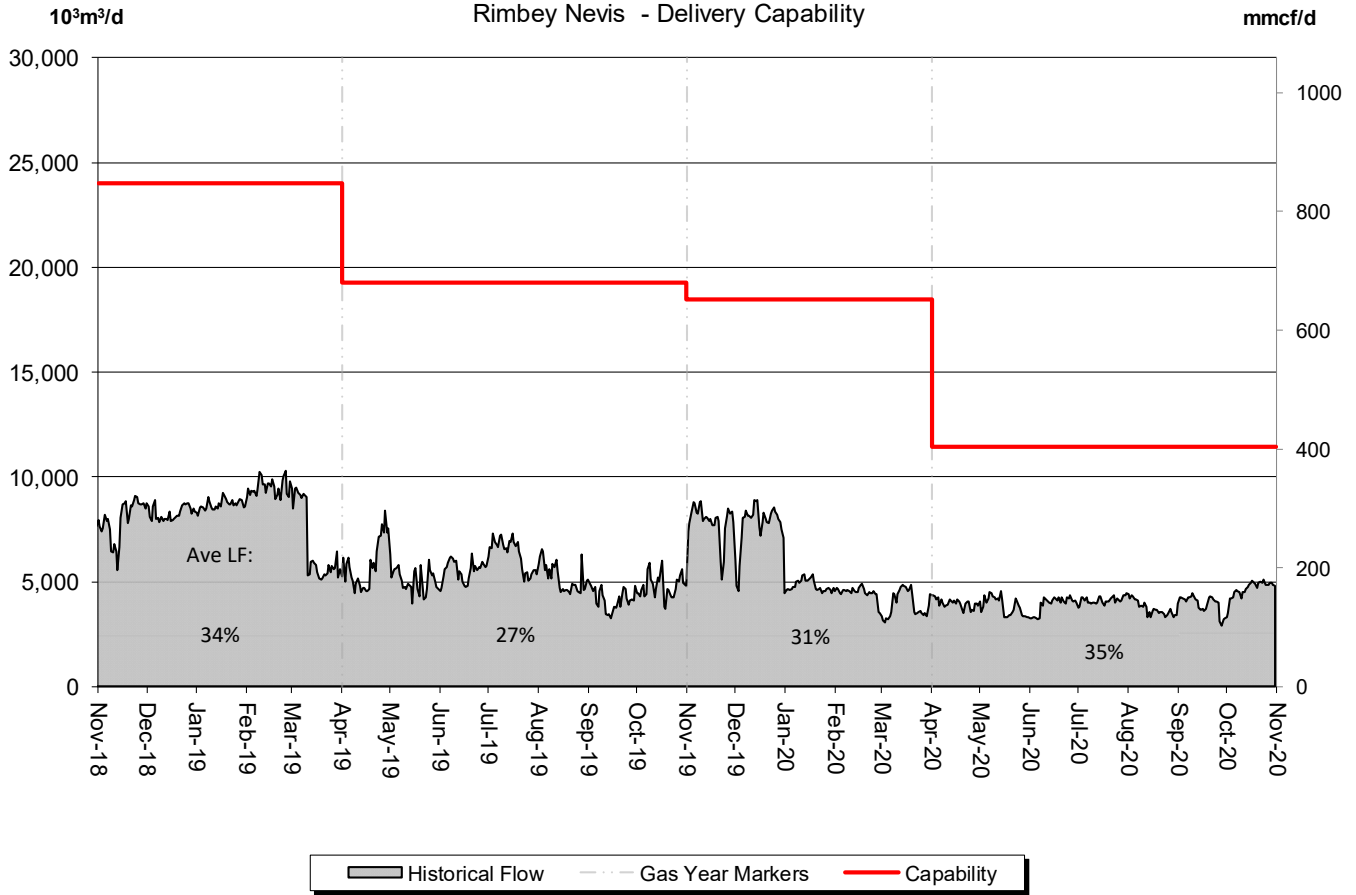


% Design Capability Utilization						
Flow/Design	May	Jun	Jul	Aug	Sep	Oct
	84%	77%	81%	84%	83%	88%

DESIGN CAPABILITY UTILIZATION RIMBEY-NEVIS – FLOW WITHIN



Total Deliveries vs. Design Capability
Rimbey Nevis - Delivery Capability



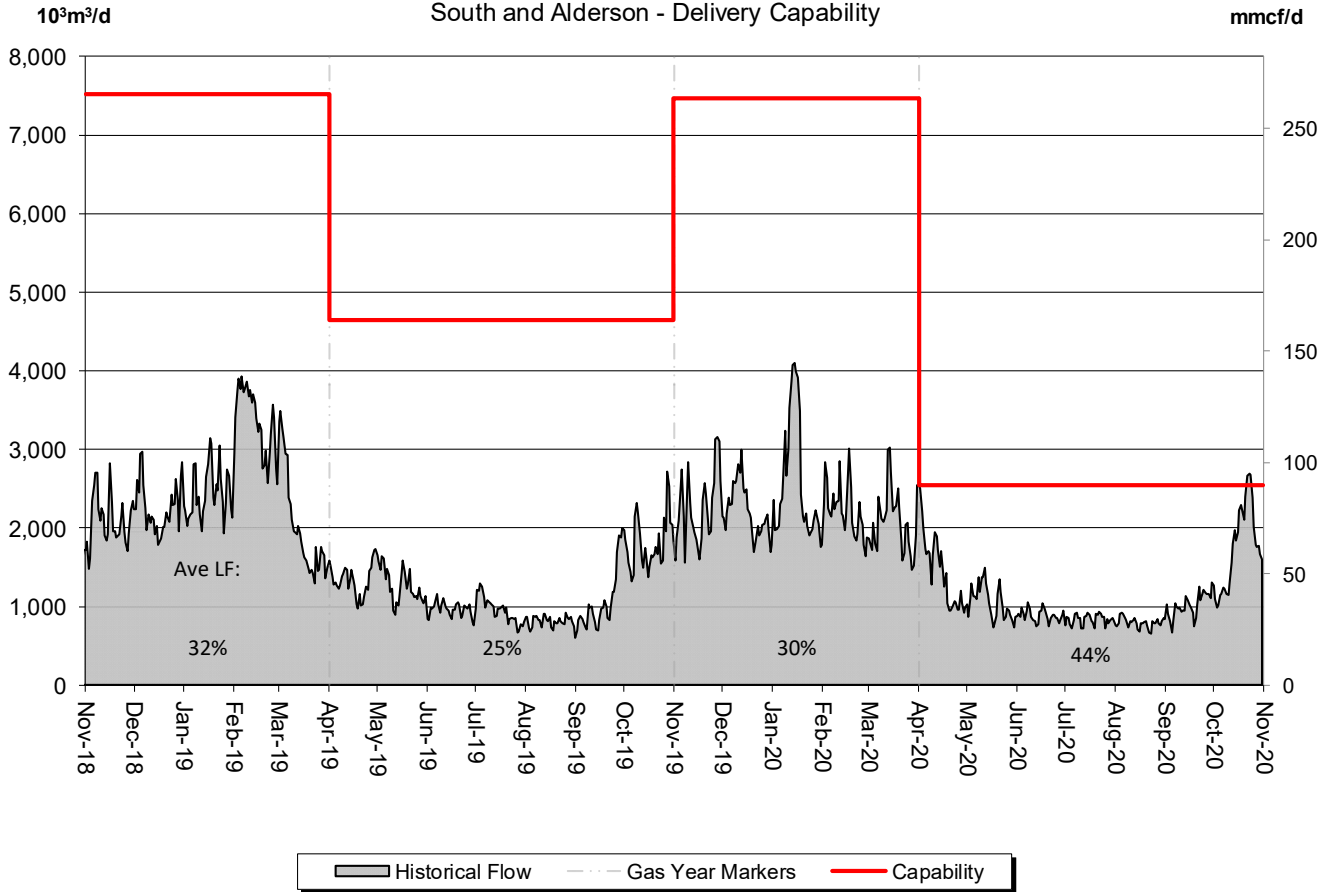
% Design Capability Utilization						
Flow/ Design	May	Jun	Jul	Aug	Sep	Oct
	34%	34%	36%	33%	35%	41%

DESIGN CAPABILITY UTILIZATION SOUTH and ALDERSON – FLOW WITHIN



Total Deliveries vs. Design Capability

South and Alderson - Delivery Capability

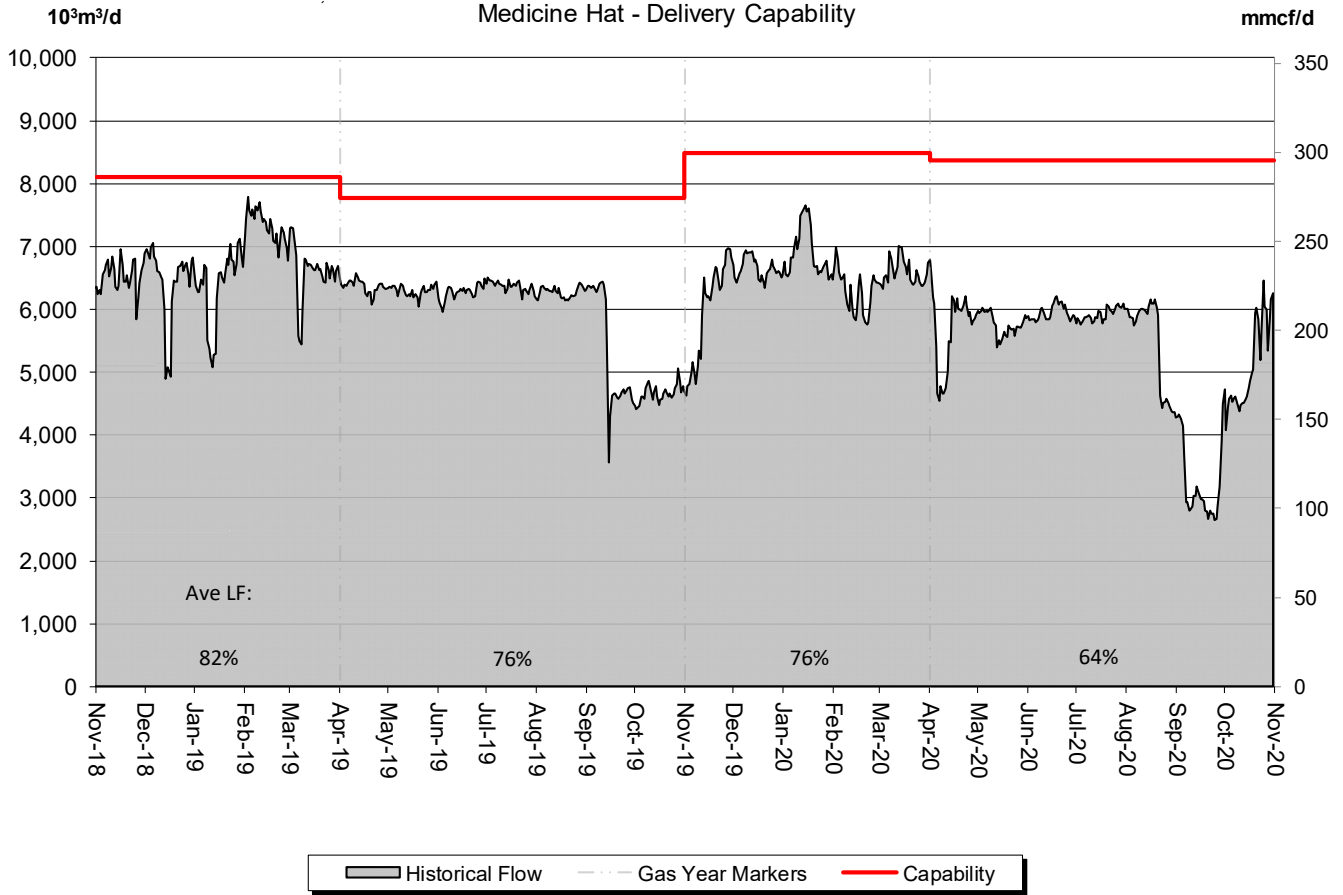


% Design Capability Utilization						
Flow/ Design	May	Jun	Jul	Aug	Sep	Oct
	42%	35%	33%	31%	40%	68%

DESIGN CAPABILITY UTILIZATION MEDICINE HAT – FLOW WITHIN



Total Deliveries vs. Design Capability
Medicine Hat - Delivery Capability

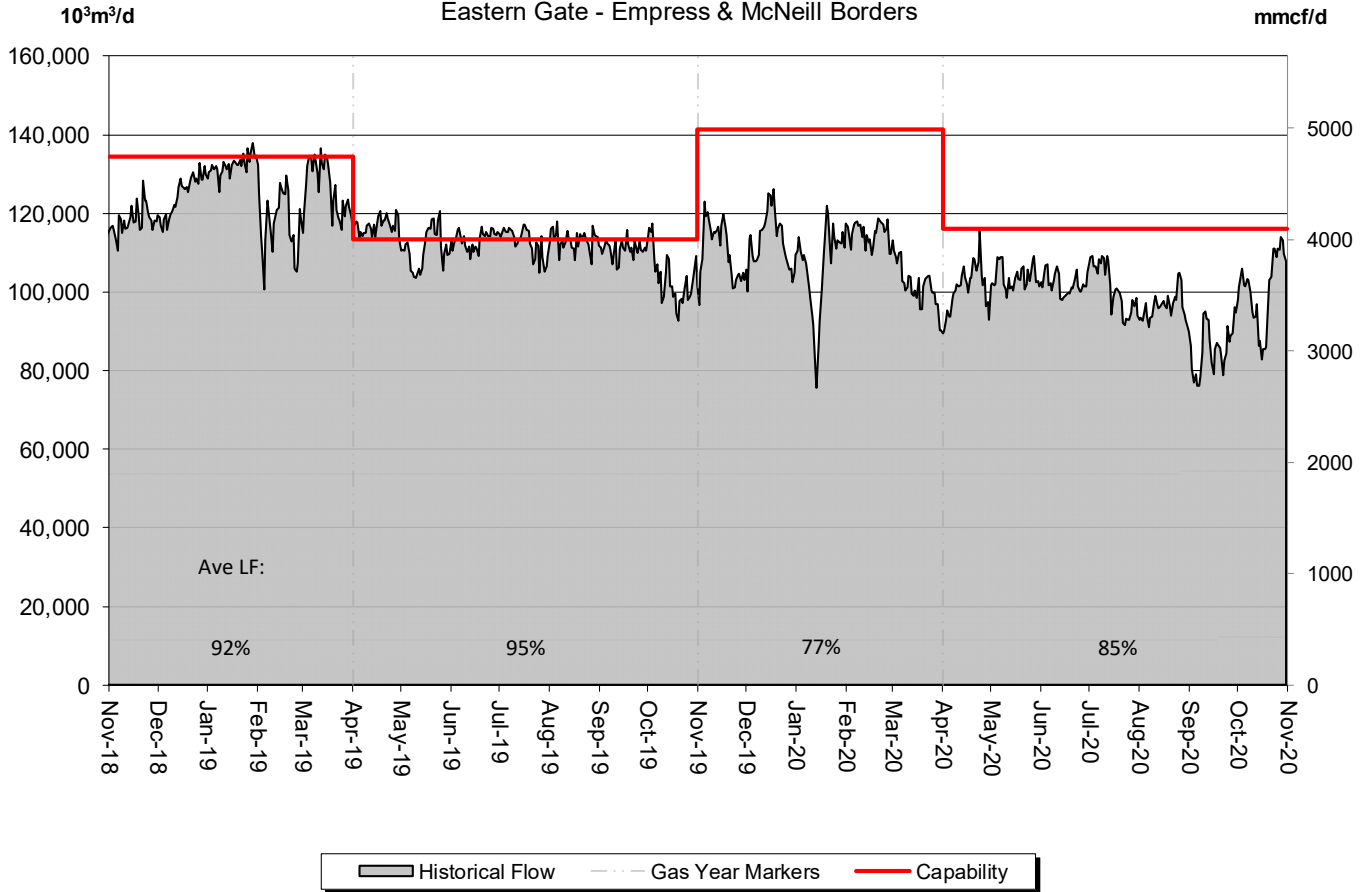


% Design Capability Utilization						
Flow/Design	May	Jun	Jul	Aug	Sep	Oct
	69%	71%	71%	66%	39%	61%

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



Throughput vs. Design Capability
Eastern Gate - Empress & McNeill Borders

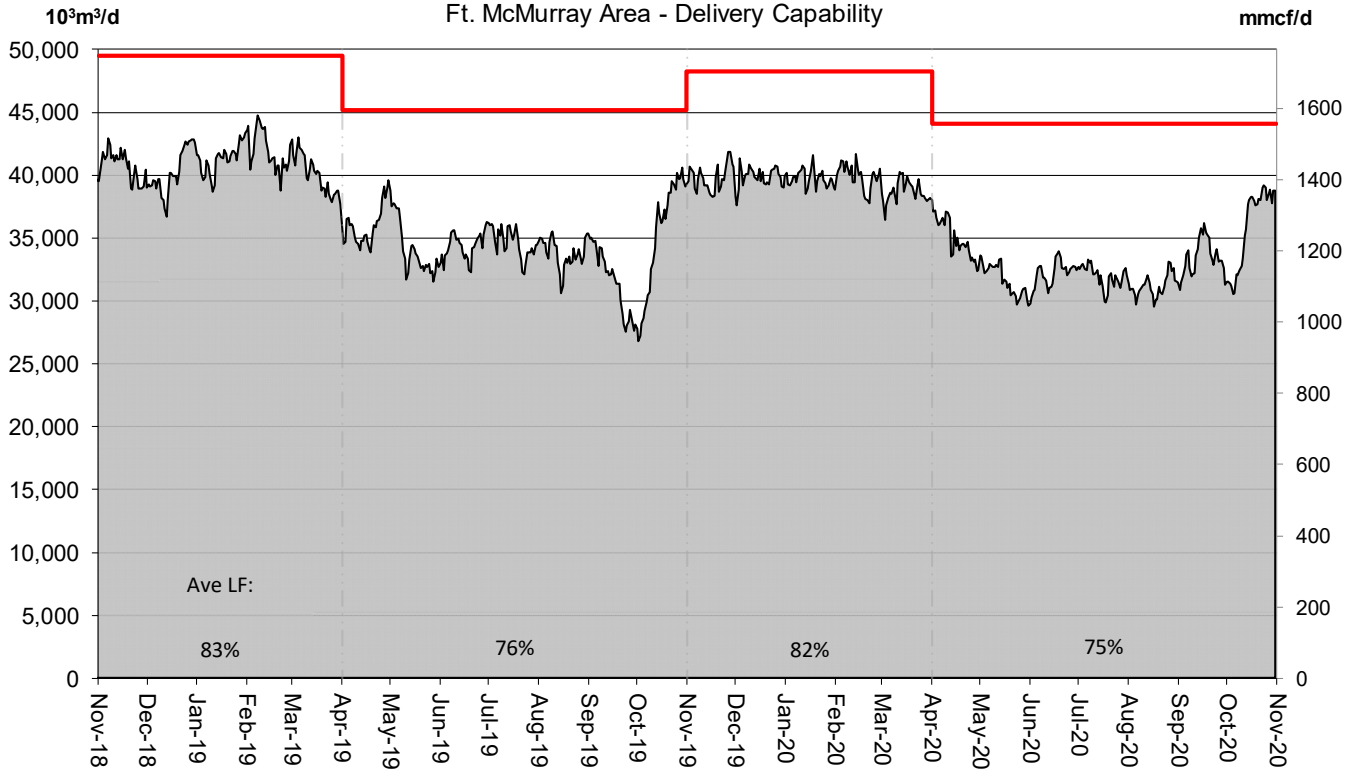


% Design Capability Utilization						
Flow/ Design	May	Jun	Jul	Aug	Sep	Oct
	89%	88%	87%	83%	74%	86%

DESIGN CAPABILITY UTILIZATION FT. McMURRAY AREA – FLOW WITHIN



Total Deliveries vs. Design Capability
Ft. McMurray Area - Delivery Capability



Historical Flow
 Gas Year Markers
 Capability

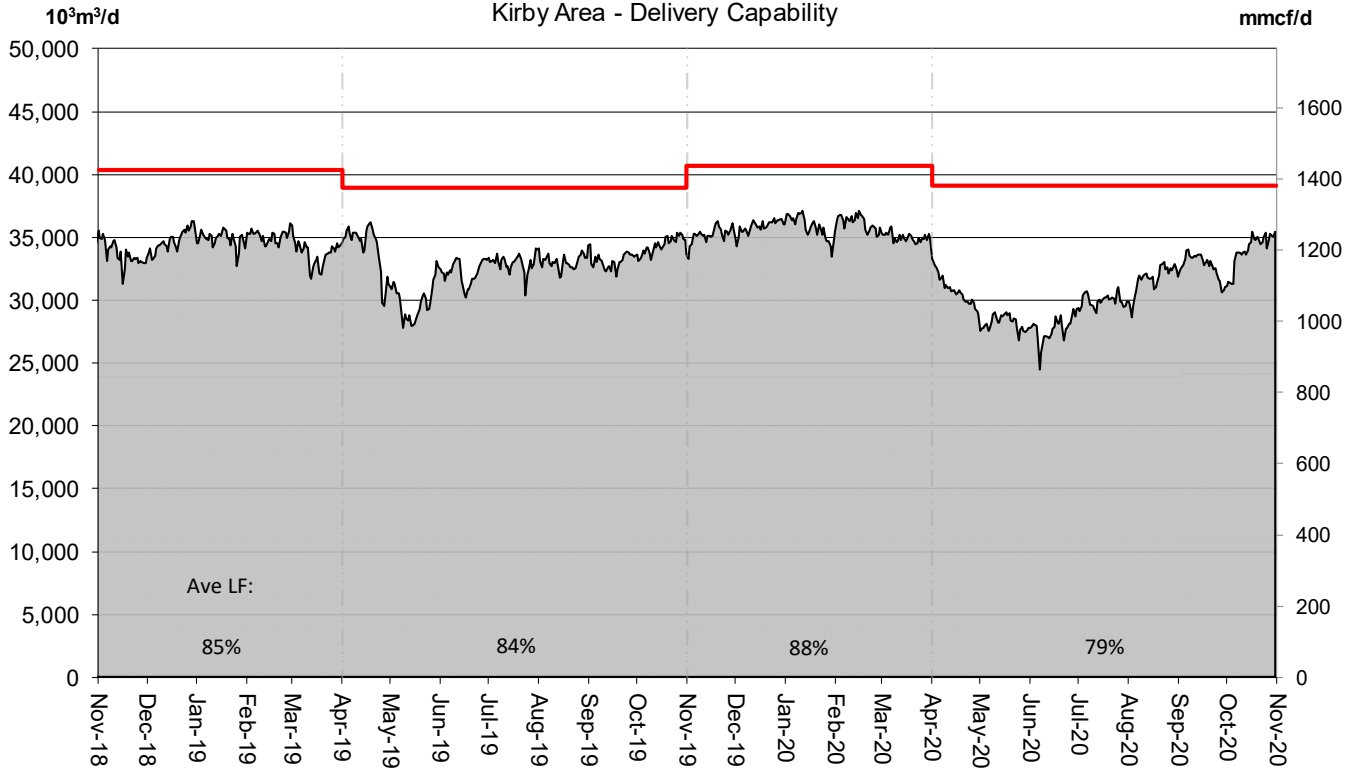
% Design Capability Utilization						
Flow/	May	Jun	Jul	Aug	Sep	Oct
Design	72%	73%	72%	71%	76%	81%

DESIGN CAPABILITY UTILIZATION KIRBY AREA – FLOW WITHIN



Total Deliveries vs. Design Capability

Kirby Area - Delivery Capability



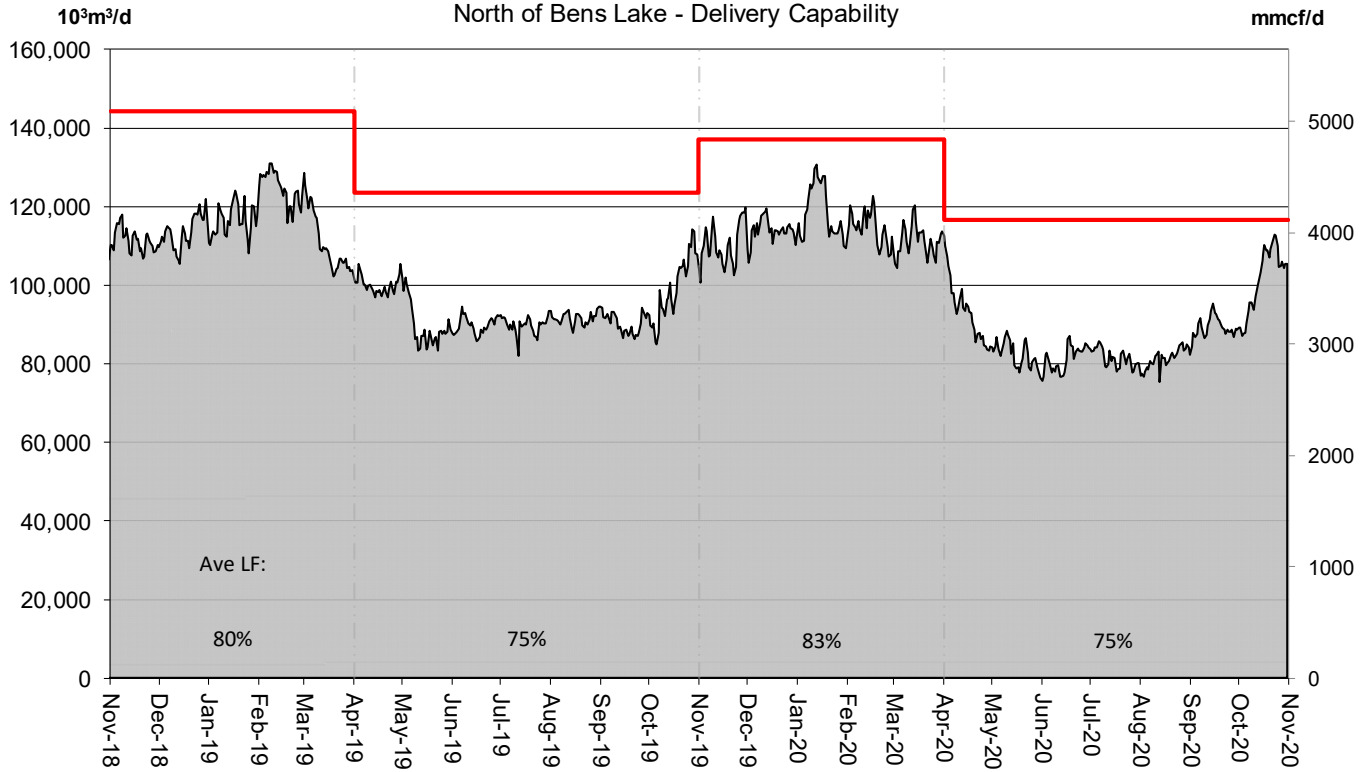
Historical Flow
 Gas Year Markers
 Capability

% Design Capability Utilization						
Flow/ Design	May	Jun	Jul	Aug	Sep	Oct
	72%	71%	77%	81%	84%	87%

DESIGN CAPABILITY UTILIZATION NORTH OF BENS LAKE – FLOW WITHIN



Total Deliveries vs. Design Capability
North of Bens Lake - Delivery Capability



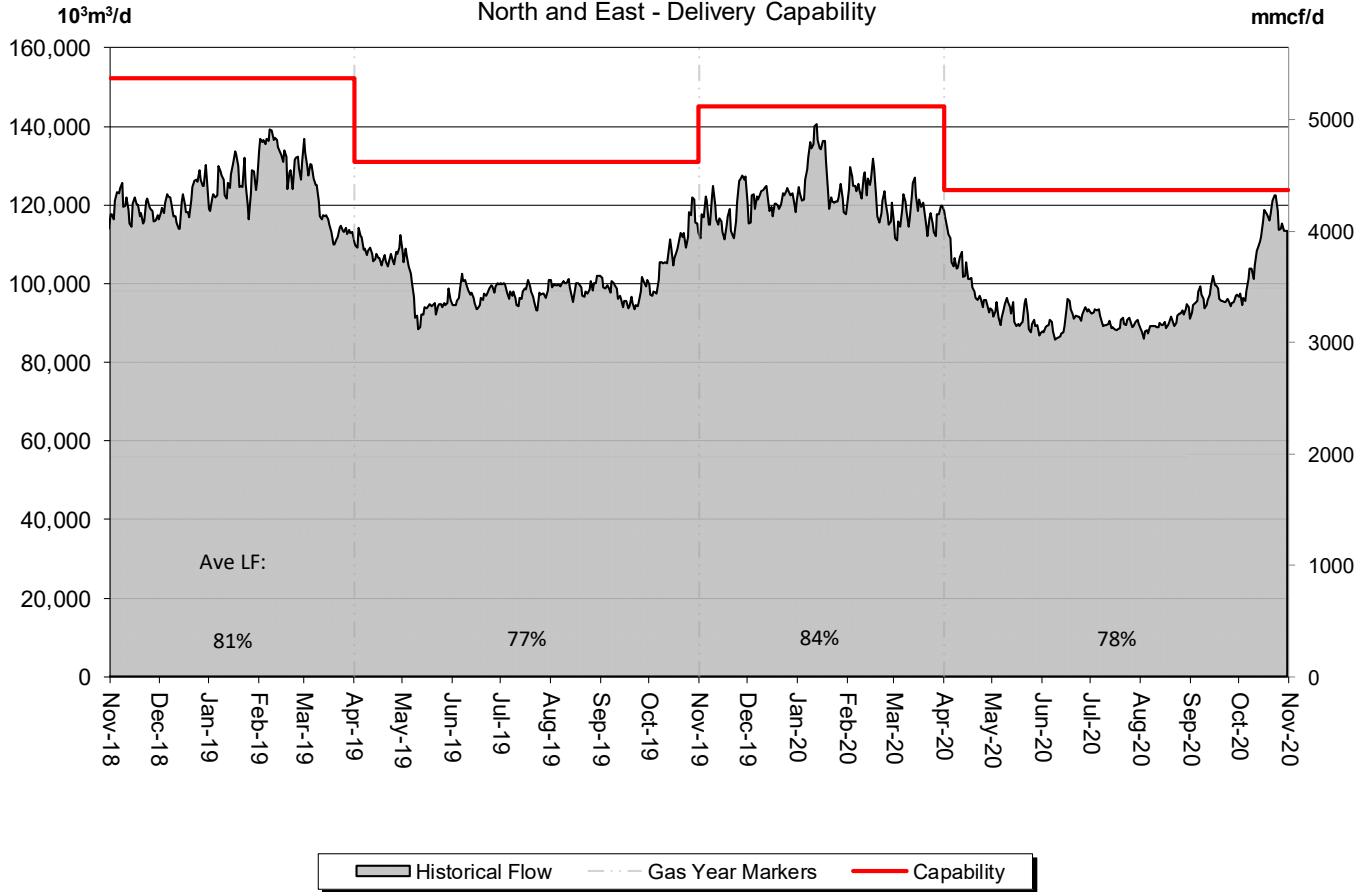
Historical Flow
 Gas Year Markers
 Capability

% Design Capability Utilization						
Flow/ Design	May	Jun	Jul	Aug	Sep	Oct
	71%	70%	70%	70%	76%	87%

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



Total Deliveries vs. Design Capability
North and East - Delivery Capability



% Design Capability Utilization						
Flow/Design	May	Jun	Jul	Aug	Sep	Oct
	74%	73%	73%	73%	78%	89%

FUTURE FIRM TRANSPORTATION SERVICE AVAILABILITY

Please consult with your Customer Account Manager to discuss your Firm Transportation Service needs.

Estimated Firm Transportation Service Availability

**Please refer to the following web site for
current FT-R / FT-D Availability Maps:**

[http://www.tccustomerexpress.com/2801.
html](http://www.tccustomerexpress.com/2801.html)

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.

Data is reported either by *Pipeline Segment* (25 segments make up the system) or *Design Area* (13 Design Areas for 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 25 NGTL pipeline segments and 3 major export delivery points comprising the total system. The utilization data is based on billed monthly volumes. Percent utilization is calculated as firm transportation service and firm transportation service + interruptible service divided by applicable receipt or delivery contract level. Historical Data involving billed volumes lags the current date by approximately two months.

Design Capability Utilization

The load factor/segment flow graphs show actual flow versus design capability values for various NGTL system areas. The graphs also show seasonal (winter/summer) design capability and average load factors (LF) for each season. Load factors are obtained by comparing the receipt, delivery, or throughput flow condition in each of the Alberta design areas against the corresponding design capability. Consequently, design capability utilization is measured as Average Actual Flow / Seasonal Design Capability. Data used in these reports lags the current date by at least one month.

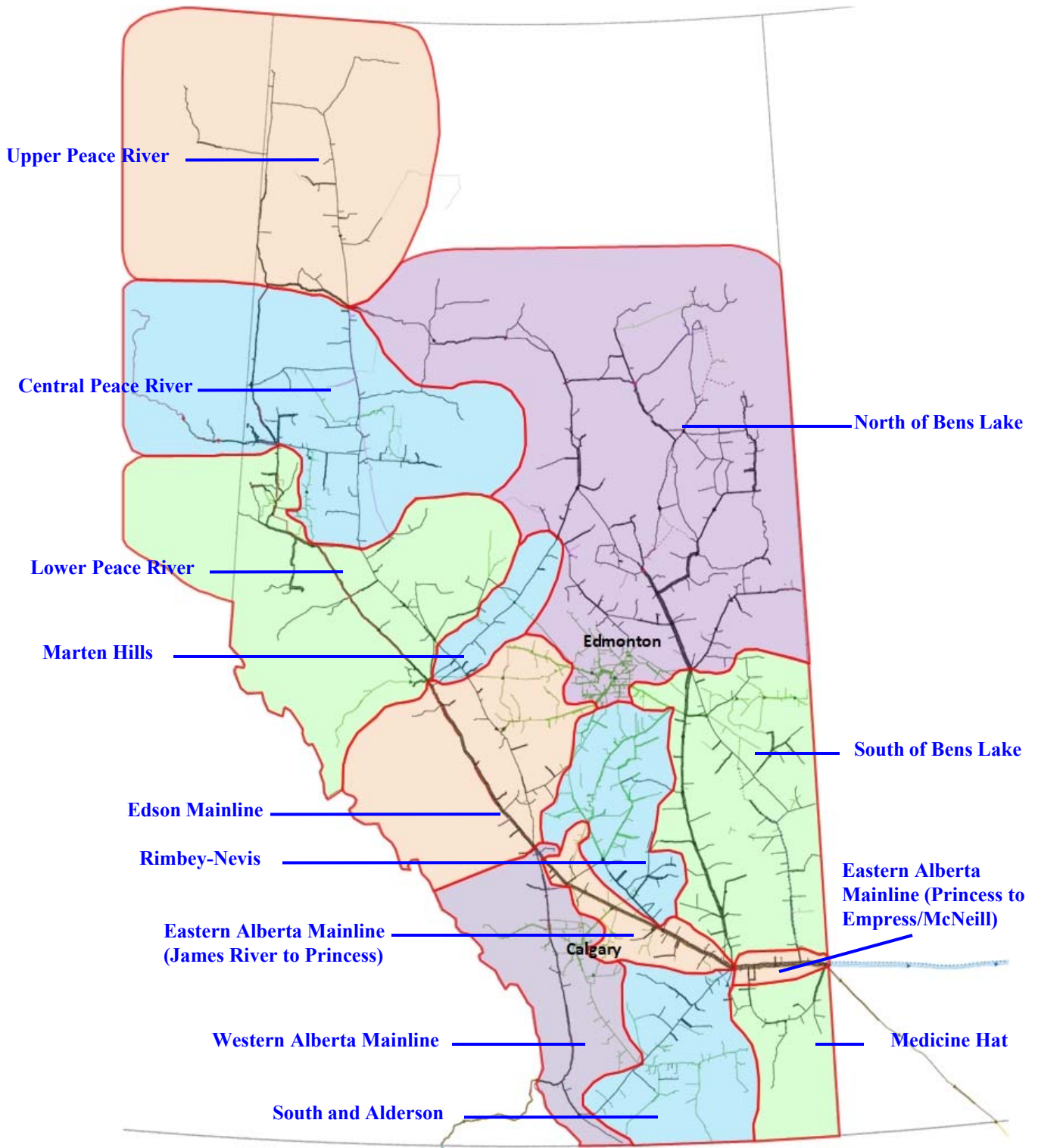
Design Flow Capability utilization is a function of several factors that include:

- Total market demand for Alberta natural gas.
- Seasonal changes in market demand for Alberta natural gas.
- Receipt nominating practices of customers individually and in aggregate to meet that level of demand.
- Scheduled maintenance which could effect actual flow requirement in a design area at any given time.
- Design assumptions used in determining required segment flow requirement.

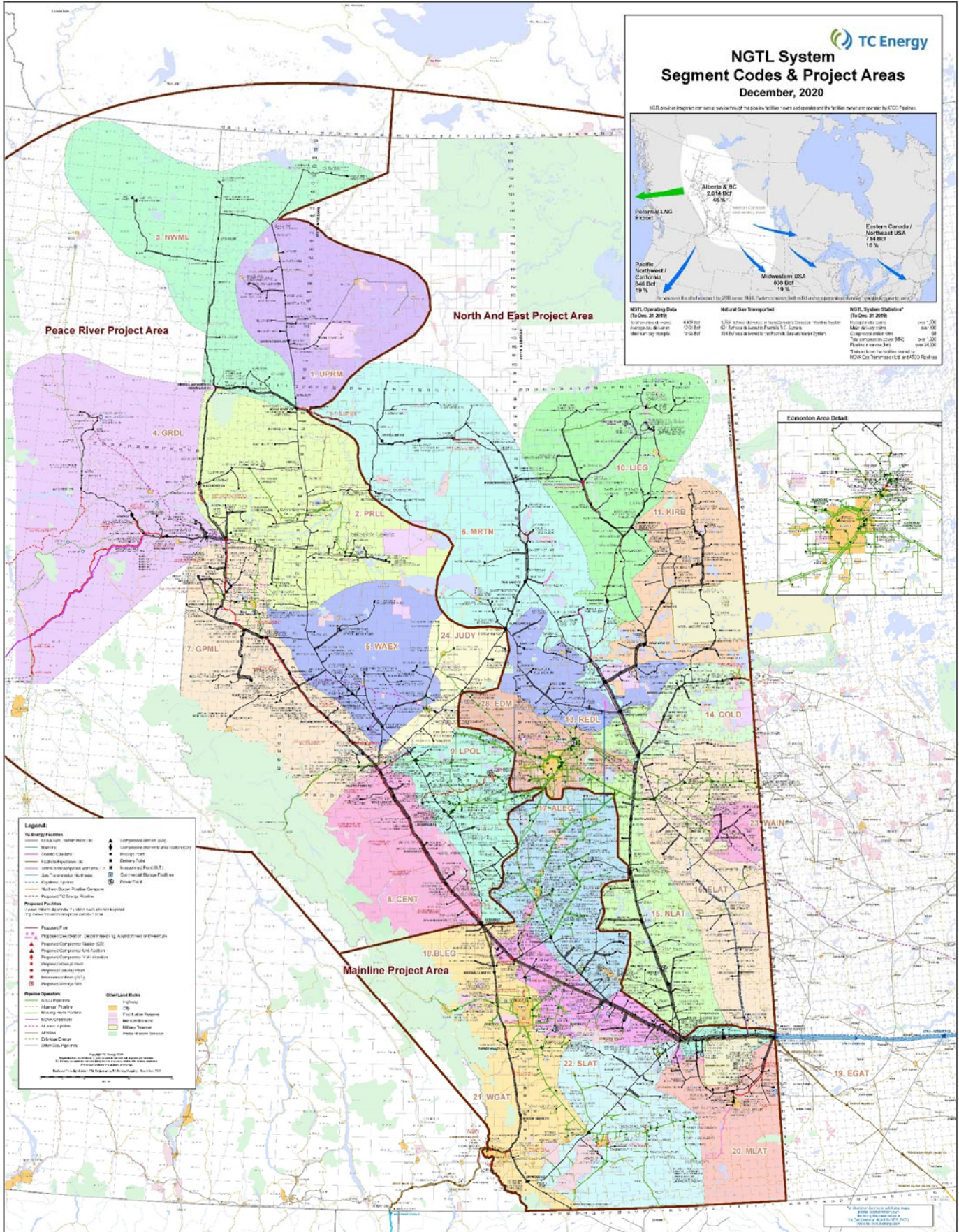
Future Firm Transportation Service Availability

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

NGTL Design Areas



(Last updated Oct 2019)



TC Energy
NGTL System
Segment Codes & Project Areas
December, 2020

NGTL pipeline program can serve areas through the pipeline facilities shown on this map and the facilities shown on the NGTL System map.

Region	Capacity (Bcf)	Percentage
Alberta & BC	2,614 Bcf	45%
Pacific Northwest / California	840 Bcf	15%
Midwestern USA	630 Bcf	10%
Eastern Canada / Northeast USA	714 Bcf	12%

NGTL Operating Data (To Dec. 31 2019)

Operating capacity	4,000 Bcf
Operating capacity	7,000 Bcf
Operating capacity	2,000 Bcf

Natural Gas Transport

NGTL System Capacity: 4,000 Bcf
 Capacity to Alberta & BC: 2,614 Bcf
 Capacity to Pacific Northwest: 840 Bcf

NGTL System Statistics (To Dec. 31 2019)

Operating capacity	4,000 Bcf
Operating capacity	7,000 Bcf
Operating capacity	2,000 Bcf



Legend

Energy Facilities

- ▲ Compressor station (C/S)
- ▲ Storage station (S/S)
- ▲ Metering station (M/S)
- ▲ Wellhead (W/H)
- ▲ Production well (P/W)
- ▲ Gas lift well (G/L)
- ▲ Steam assisted gravity recovery (SAGUR)
- ▲ Steam injection well (S/I)
- ▲ Water injection well (W/I)
- ▲ Production well (P/W)
- ▲ Water injection well (W/I)

Proposed Facilities

- ▲ Proposed Compressor Station (C/S)
- ▲ Proposed Storage Station (S/S)
- ▲ Proposed Metering Station (M/S)
- ▲ Proposed Wellhead (W/H)
- ▲ Proposed Gas Lift Well (G/L)
- ▲ Proposed Steam Assisted Gravity Recovery (SAGUR)
- ▲ Proposed Steam Injection Well (S/I)
- ▲ Proposed Water Injection Well (W/I)
- ▲ Proposed Production Well (P/W)
- ▲ Proposed Water Injection Well (W/I)

Other Land Marks

- ▲ City
- ▲ Provincial Boundary
- ▲ National Boundary
- ▲ Water Feature
- ▲ Forested Area

DEFINITION OF TERMS

Design Capability Utilization

Actual Flow

The amount of gas flowing within or out of the design area.

Design Capability

The volume of gas that can be transported from the design area on the pipeline system considering given design assumptions.

AVGLF (Average Load Factor)

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

Intra NGTL System Deliveries

The amount of sales gas flowing off the system within an area.

Receipt Flow

Aggregate of actual receipts within an area and the *Actual Flow* of the upstream area.

Other

System Load Factor

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