

# SYSTEM UTILIZATION MONTHLY REPORT

for the month ending

June 2021

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

*Published date:*

**August 13th, 2021**

---

## Highlights This Month:

**NOVA** Gas Transmission Ltd.



# TABLE OF CONTENTS

---

<b><u>MONTHLY FEATURES</u></b>	<b>PAGE</b>
Firm Transportation Service Contract Utilization .....	3
Design Capability Utilization	
Upper Peace River .....	4
Upper & Central Peace River .....	5
Peace River Design .....	6
Upstream James River .....	7
Eastern Alberta Mainline (James River to Princess) .....	8
Western Alberta Mainline (AB/BC & AB/Montana Borders) .....	9
Rimbey Nevis – Flow Within .....	10
South & Alderson – Flow Within .....	11
Medicine Hat - Flow Within .....	12
Eastern Alberta Mainline (Princess to Empress/McNeill) .....	13
Ft. McMurray Area – Flow Within.....	14
Kirby Area – Flow Within.....	15
North of Bens Lake – Flow Within.....	16
North & South of Bens Lake – Flow Within.....	17
Future Firm Transportation Service Availability.....	18
How to Use This Report .....	19

## **REFERENCES**

NGTL Design Areas Map .....	20
NGTL Pipeline Segments Map .....	21
Definition of Terms .....	22

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](mailto:winston_cao@tcenergy.com).

# FIRM TRANSPORTATION SERVICE<sup>1</sup> CONTRACT UTILIZATION<sup>3</sup>

By NGTL Pipeline Segments  
June 2021

Segment	Contract	Delivery		Receipt	
		Utilization	Jun CD (TJ/d)	Utilization	Jun CD (MMcf/d)
UPRM	FT	0%	0.0	99%	78
	FT + IT <sup>2</sup>	0%		99%	
PRL	FT	42%	30.2	75%	233
	FT + IT	56%		81%	
NWML	FT	87%	3.0	90%	162
	FT + IT	101%		91%	
GRDL	FT	0%	0.0	69%	5,052
	FT + IT	0%		70%	
WAEX	FT	45%	26.2	71%	1,058
	FT + IT	67%		71%	
JUDY	FT	40%	18.0	92%	24
	FT + IT	46%		102%	
GPML	FT	47%	227.8	68%	5,378
	FT + IT	66%		68%	
CENT	FT	0%	0.0	45%	3,112
	FT + IT	0%		46%	
LPOL	FT	70%	145.9	59%	971
	FT + IT	110%		63%	
WGAT	FT	66%	4,350.4	87%	205
	FT + IT	66%		106%	
ALEG	FT	45%	383.1	92%	414
	FT + IT	45%		134%	
SLAT	FT	18%	160.7	97%	95
	FT + IT	18%		118%	
MLAT	FT	92%	257.0	94%	120
	FT + IT	96%		123%	
BLEG	FT	26%	183.4	98%	333
	FT + IT	75%		121%	
EGAT	FT	89%	4,799.5	100%	5
	FT + IT	94%		380%	
MRTN	FT	34%	18.0	69%	37
	FT + IT	35%		78%	
LIEG	FT	64%	2,166.4	70%	22
	FT + IT	65%		83%	
KIRB	FT	84%	1,700.4	89%	1
	FT + IT	85%		1124%	
SMHI	FT	52%	12.0	99%	7
	FT + IT	52%		151%	
REDL	FT	1%	14.0	78%	8
	FT + IT	2%		118%	
COLD	FT	52%	210.7	61%	4
	FT + IT	53%		242%	
EDM	FT	38%	1,850.7	92%	22
	FT + IT	39%		167%	
NLAT	FT	95%	179.9	98%	71
	FT + IT	104%		143%	
WAIN	FT	7%	0.3	89%	3
	FT + IT	20%		122%	
ELAT	FT	75%	293.5	94%	63
	FT + IT	75%		135%	
TOTAL SYSTEM	FT	70%	17,031.0	66%	17,479
	FT + IT	73%		70%	

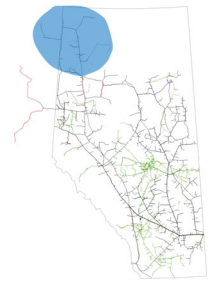
\*NOTE:

1. FT includes all receipt and delivery Firm Transportation Services.

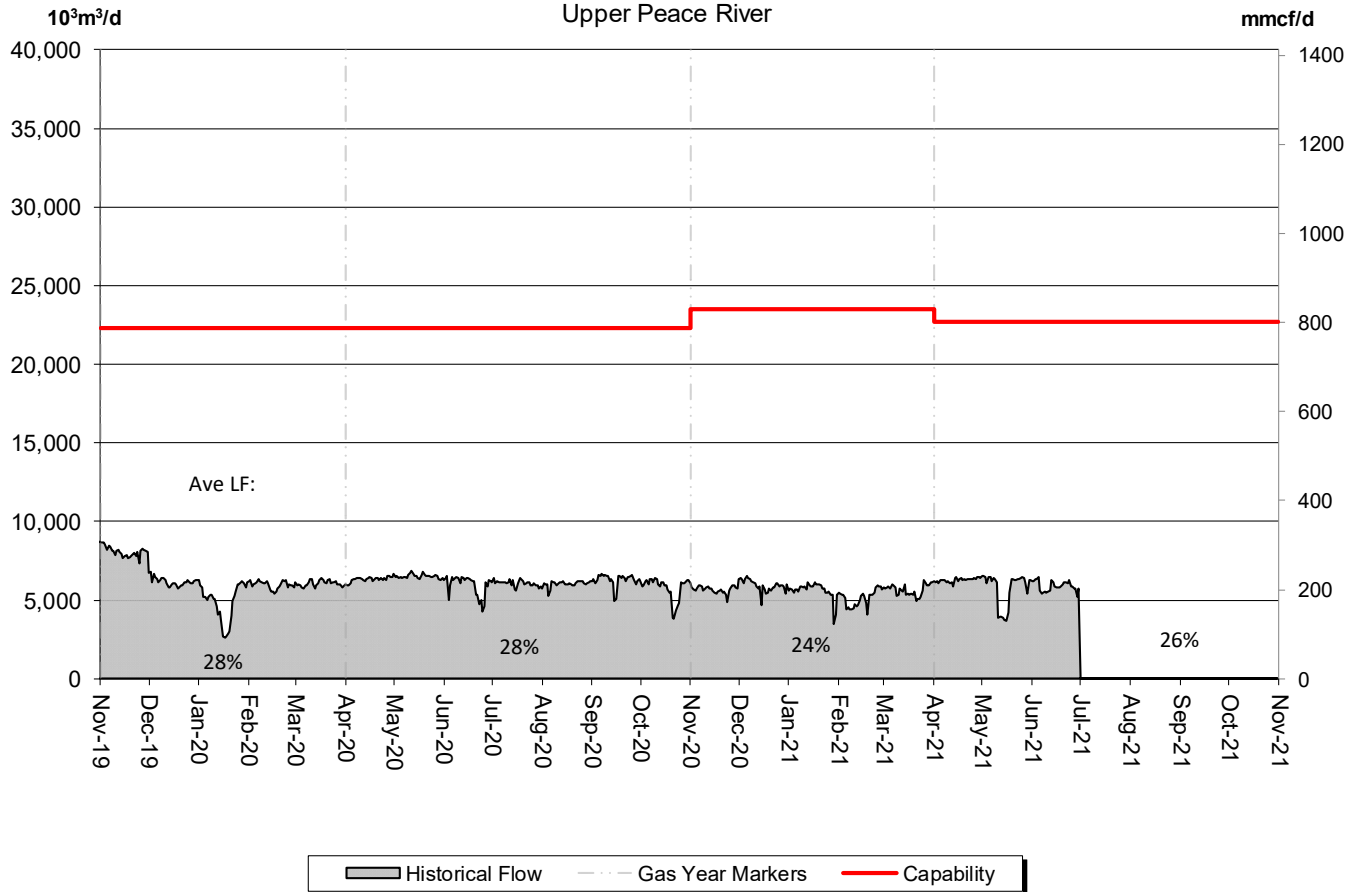
2. IT includes receipt and delivery Interruptible Services.

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

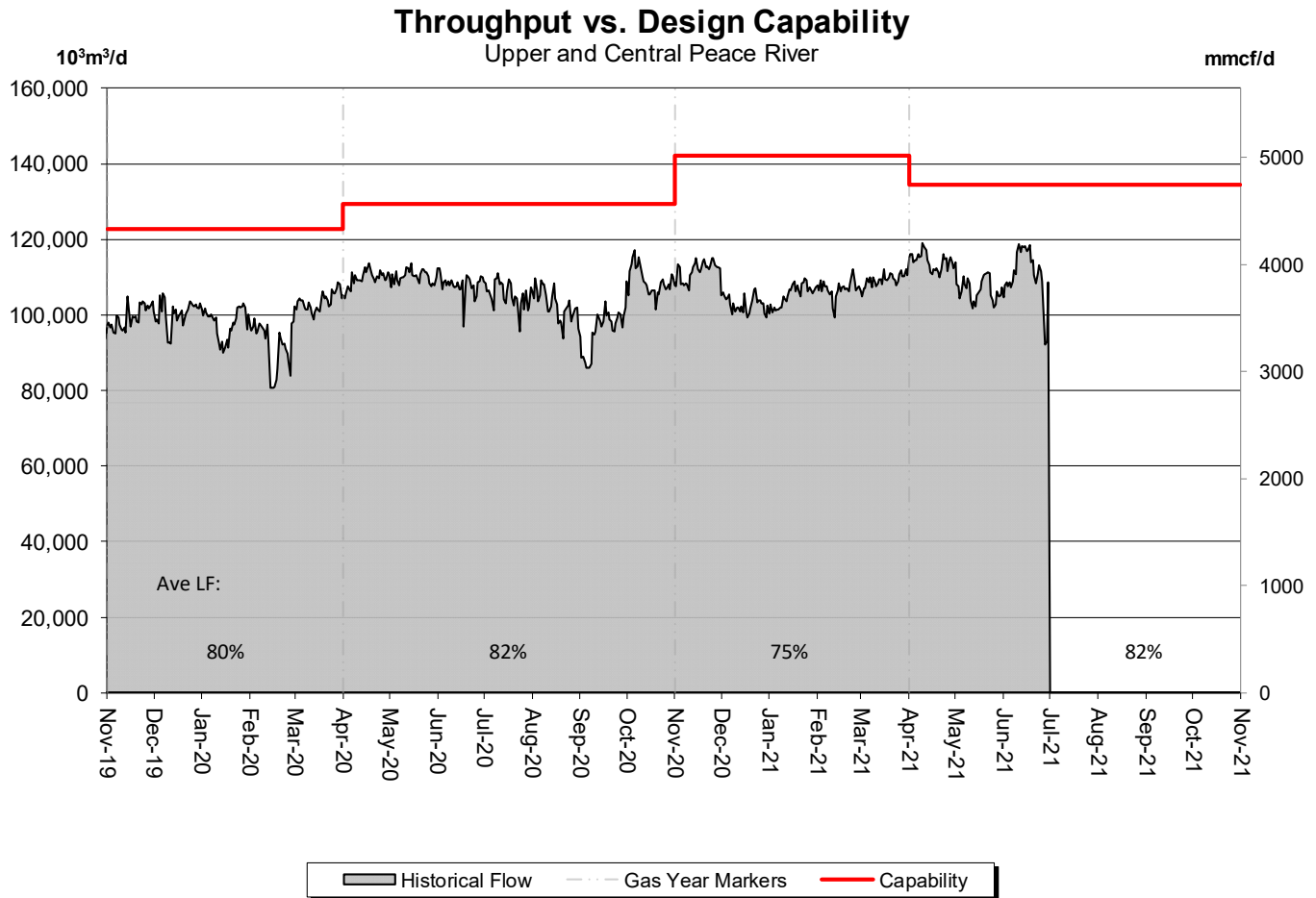
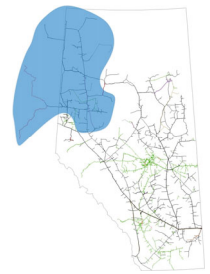


**Throughput vs. Design Capability**  
Upper Peace River



% Design Capability Utilization						
Flow/ Design	Jan	Feb	Mar	Apr	May	Jun
	24%	22%	24%	28%	25%	26%

# DESIGN CAPABILITY UTILIZATION UPPER and CENTRAL PEACE RIVER

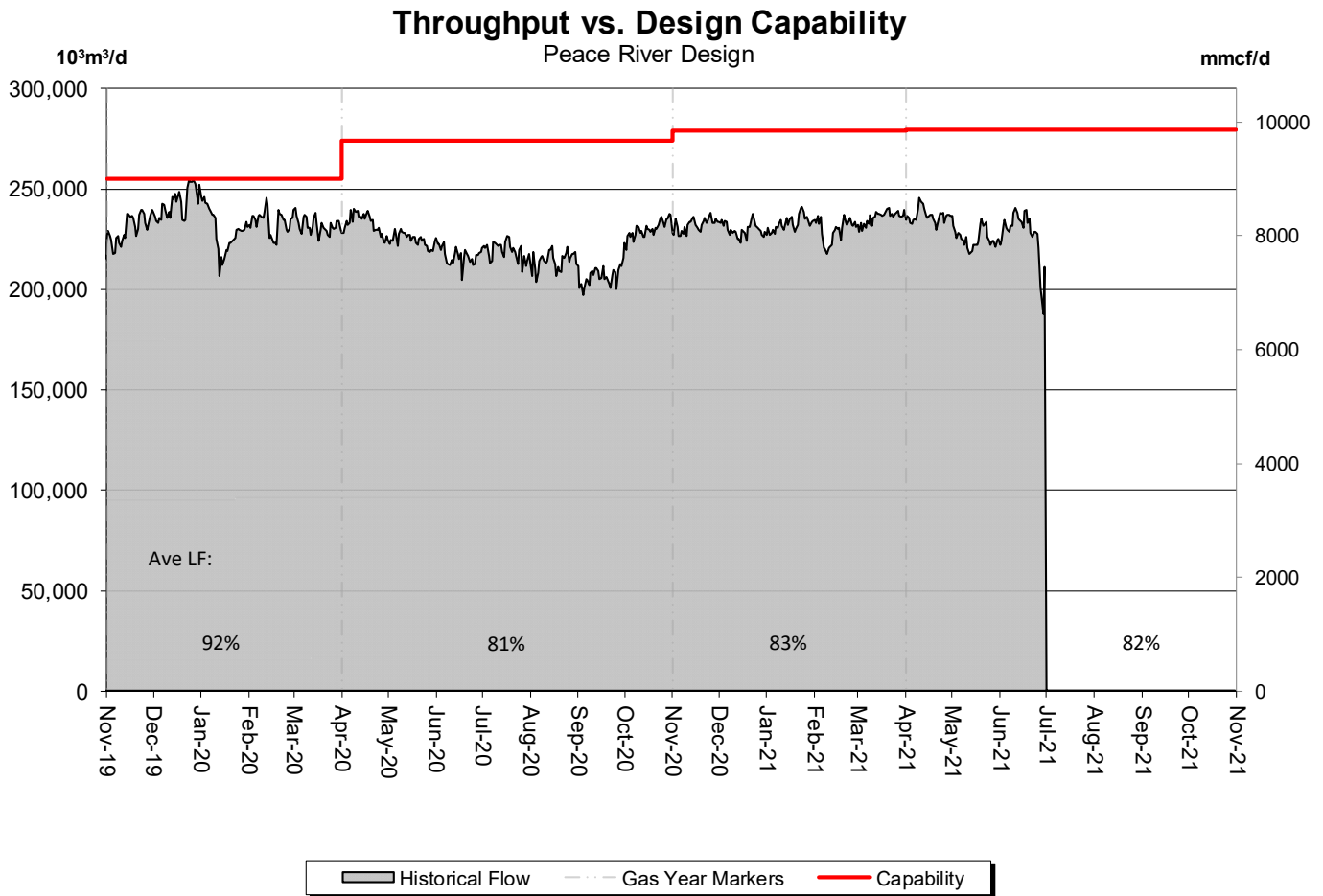
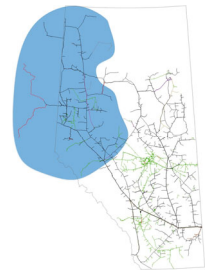


% Design Capability Utilization						
Flow/ Design	Jan	Feb	Mar	Apr	May	Jun
	74%	75%	77%	85%	80%	82%

# DESIGN CAPABILITY UTILIZATION

## PEACE RIVER DESIGN

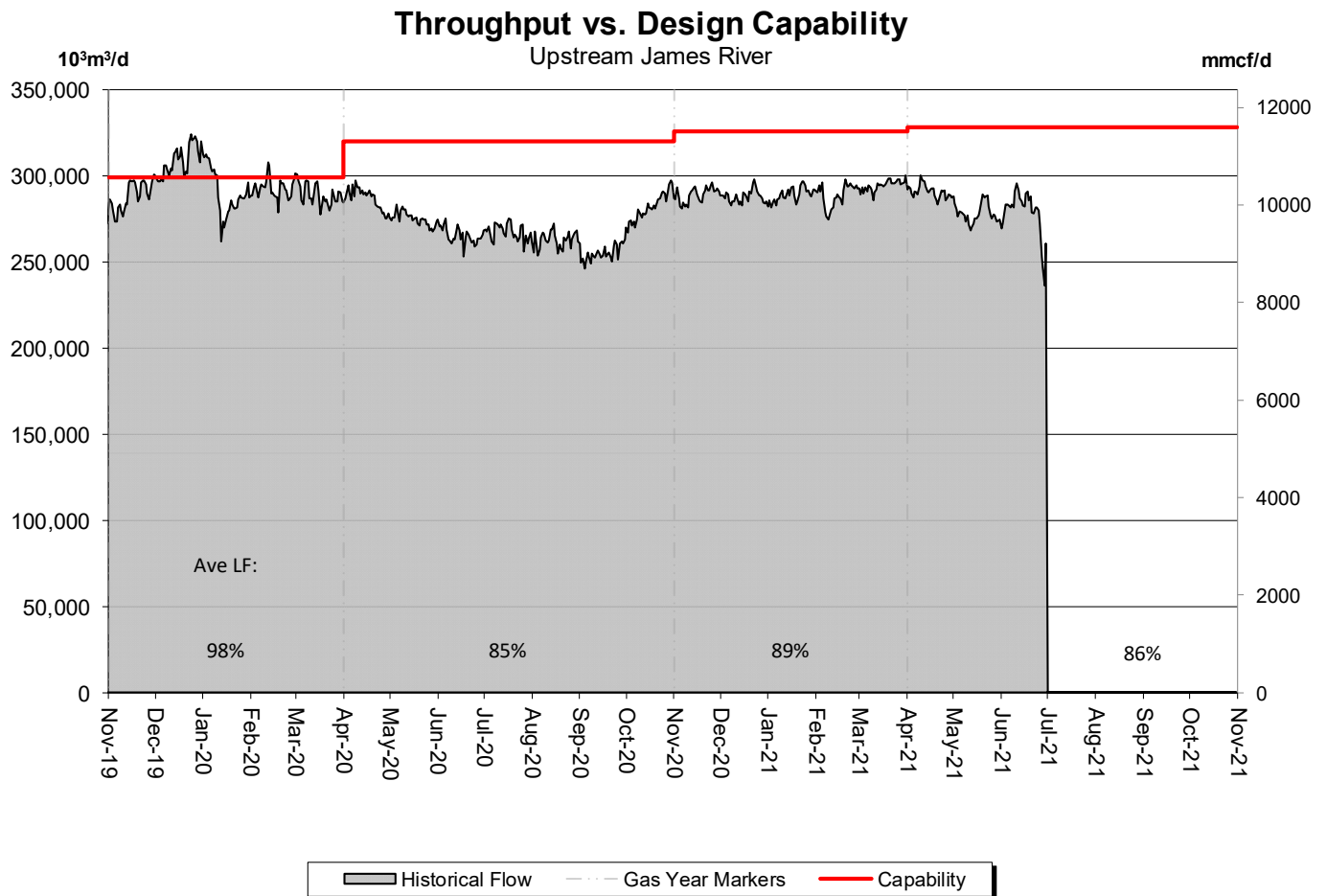
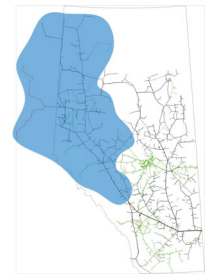
(Upper, Central and Lower Peace River)



% Design Capability Utilization						
Flow/ Design	Jan	Feb	Mar	Apr	May	Jun
	83%	82%	84%	85%	81%	81%

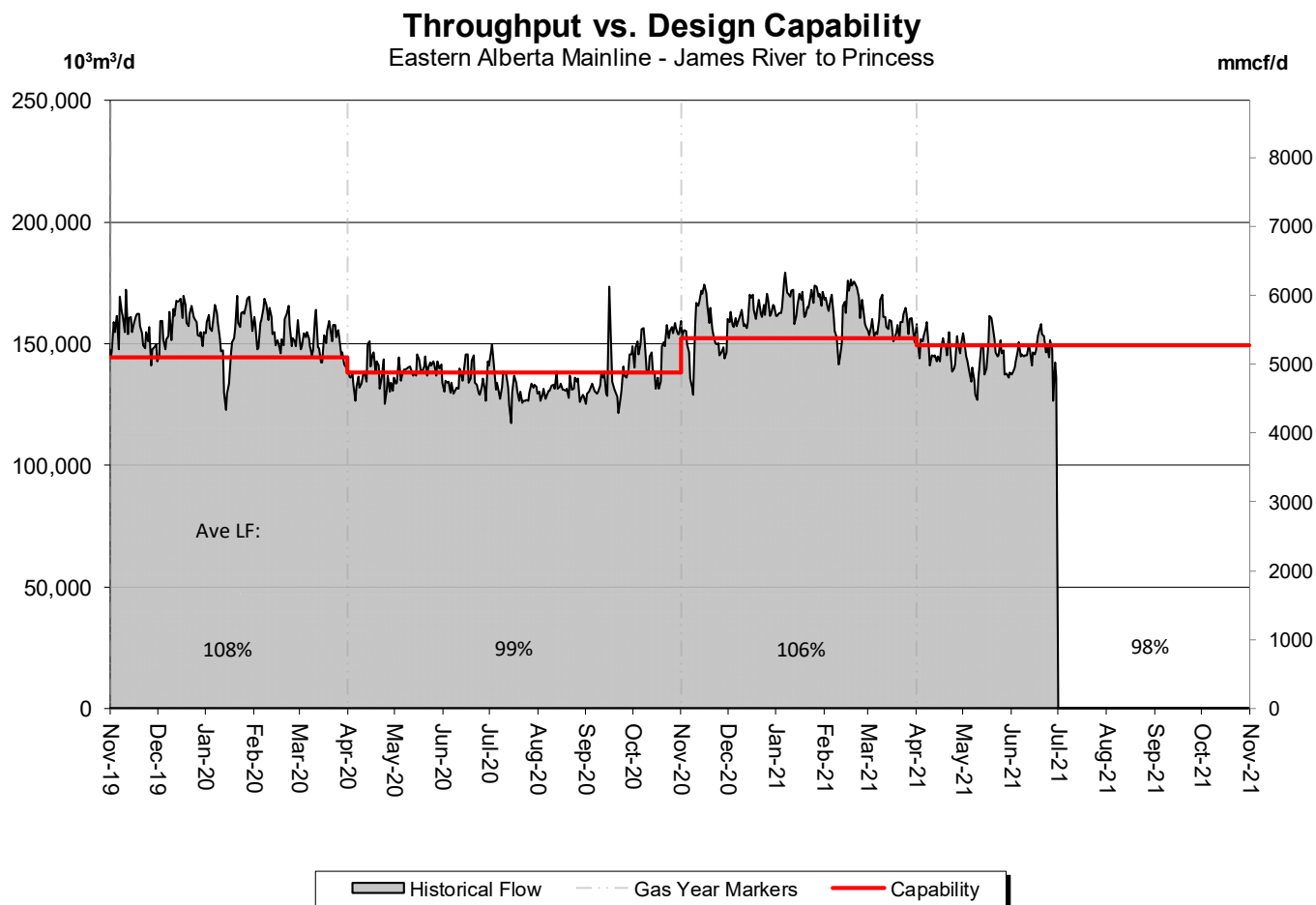
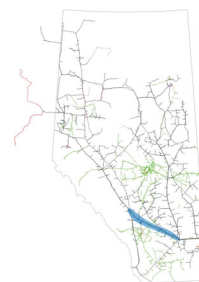
# DESIGN CAPABILITY UTILIZATION UPSTREAM JAMES RIVER

(Edson Mainline, Peace River Design and Marten Hills)



% Design Capability Utilization						
Flow/ Design	Jan	Feb	Mar	Apr	May	Jun
	89%	89%	90%	89%	85%	85%

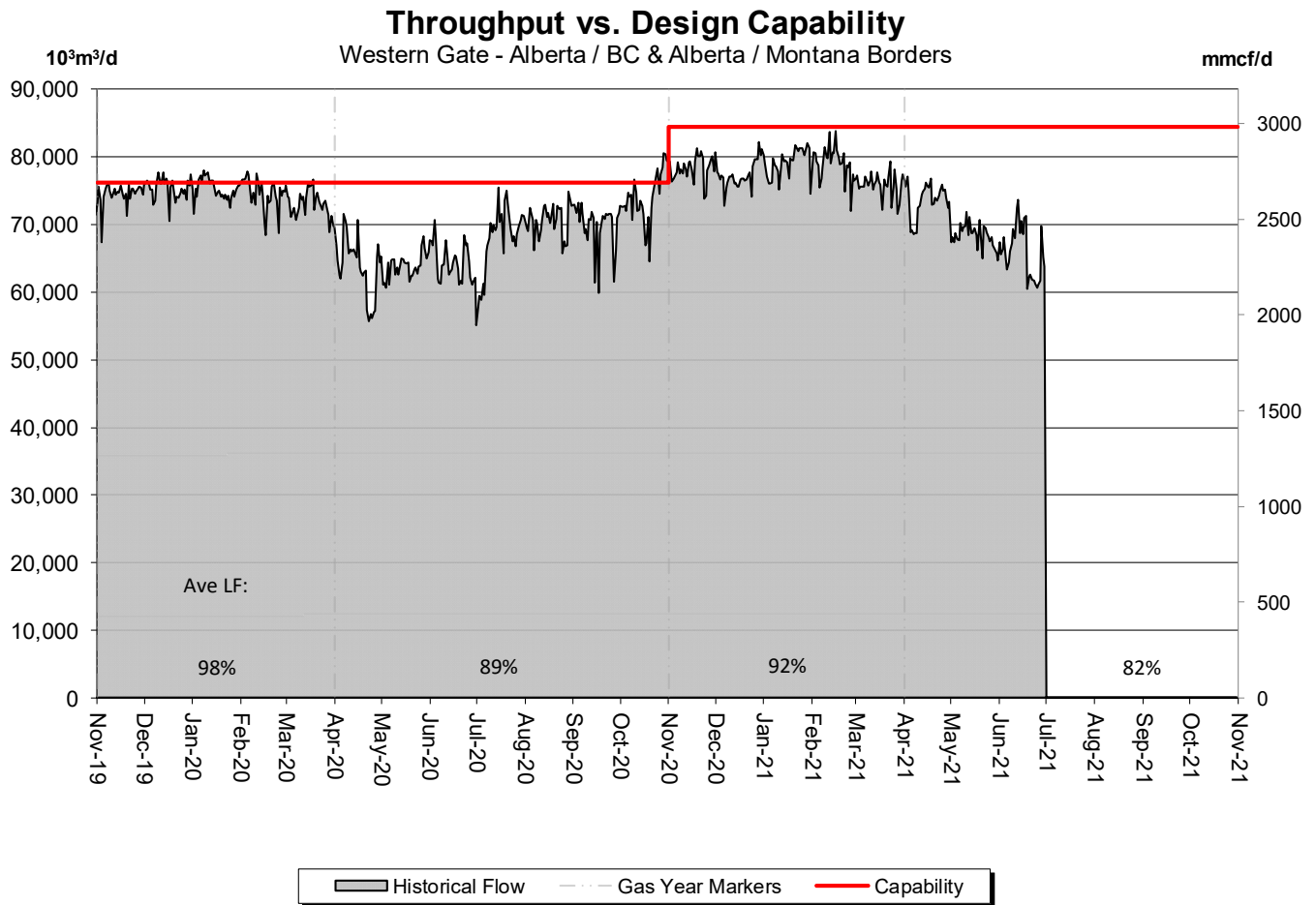
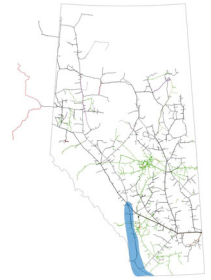
# DESIGN CAPABILITY UTILIZATION EASTERN ALBERTA MAINLINE (James River to Princess)



% Design Capability Utilization						
Flow/ Design	Jan	Feb	Mar	Apr	May	Jun
	110%	108%	104%	99%	96%	98%



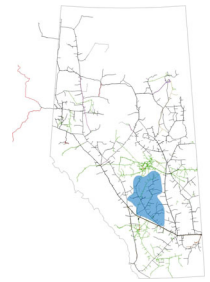
# DESIGN CAPABILITY UTILIZATION WESTERN ALBERTA MAINLINE (Alberta/B.C. and Alberta/Montana Borders)



% Design Capability Utilization						
Flow/ Design	Jan	Feb	Mar	Apr	May	Jun
	94%	94%	90%	87%	81%	78%

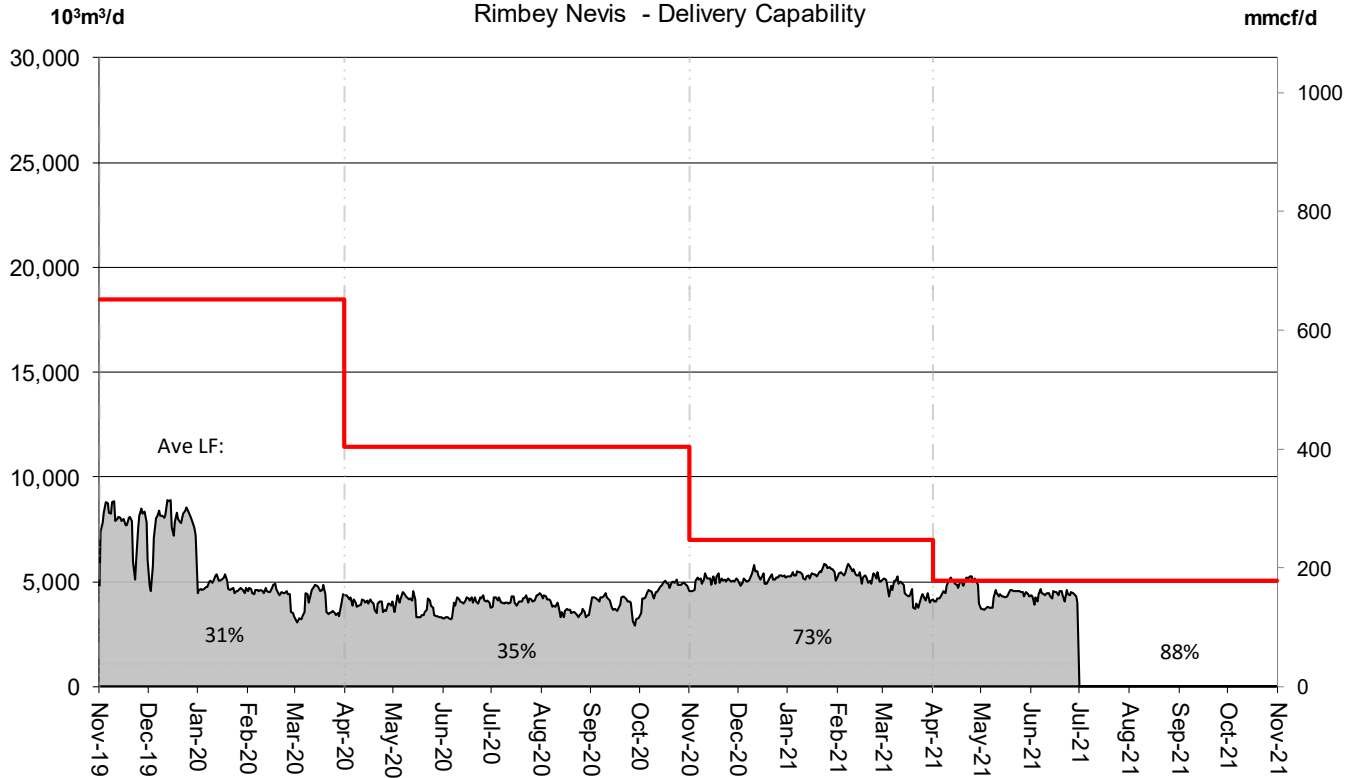
# DESIGN CAPABILITY UTILIZATION

## RIMBEY-NEVIS – FLOW WITHIN



### Total Deliveries vs. Design Capability

Rimbey Nevis - Delivery Capability



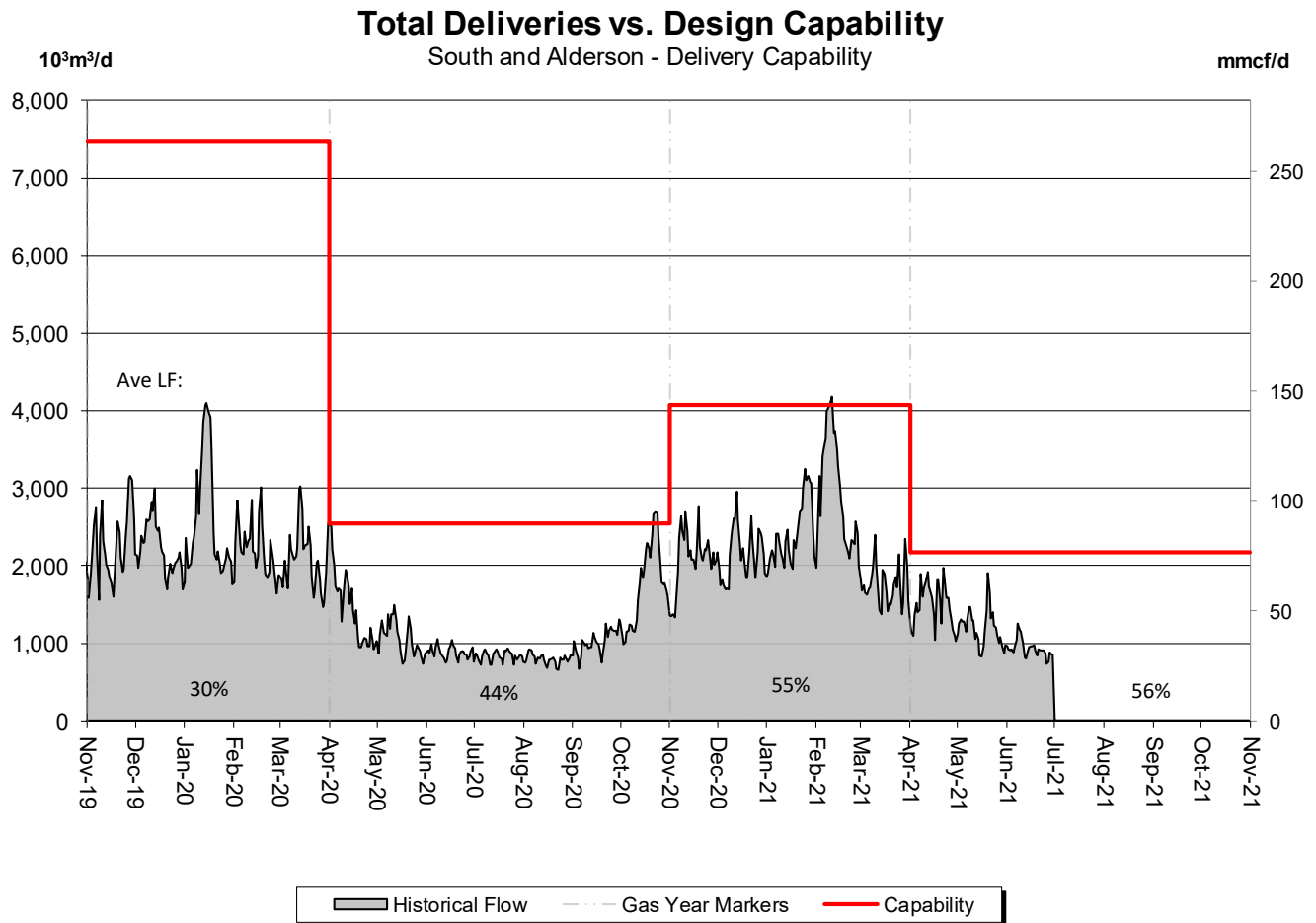
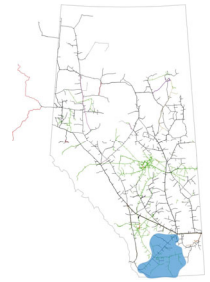
Historical Flow Gas Year Markers Capability

### % Design Capability Utilization

Flow/ Design	Jan	Feb	Mar	Apr	May	Jun
	77%	76%	64%	94%	84%	86%

# DESIGN CAPABILITY UTILIZATION

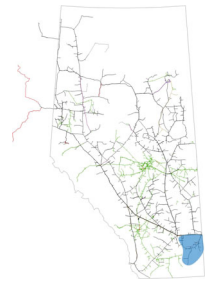
## SOUTH and ALDERSON – FLOW WITHIN



% Design Capability Utilization						
Flow/ Design	Jan	Feb	Mar	Apr	May	Jun
	59%	72%	43%	69%	56%	43%

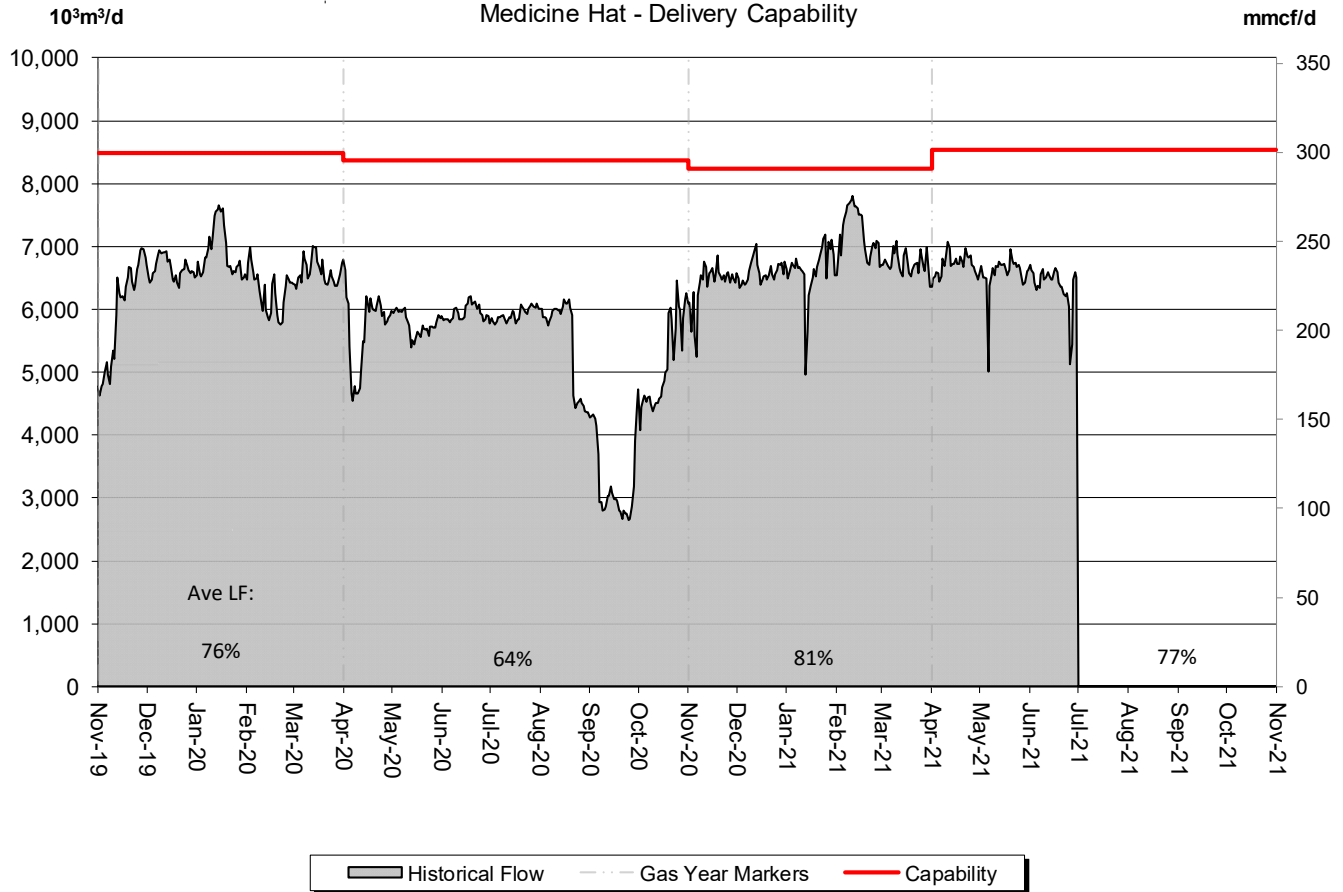
# DESIGN CAPABILITY UTILIZATION

## MEDICINE HAT – FLOW WITHIN



### Total Deliveries vs. Design Capability

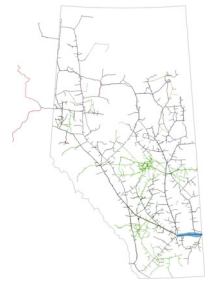
Medicine Hat - Delivery Capability



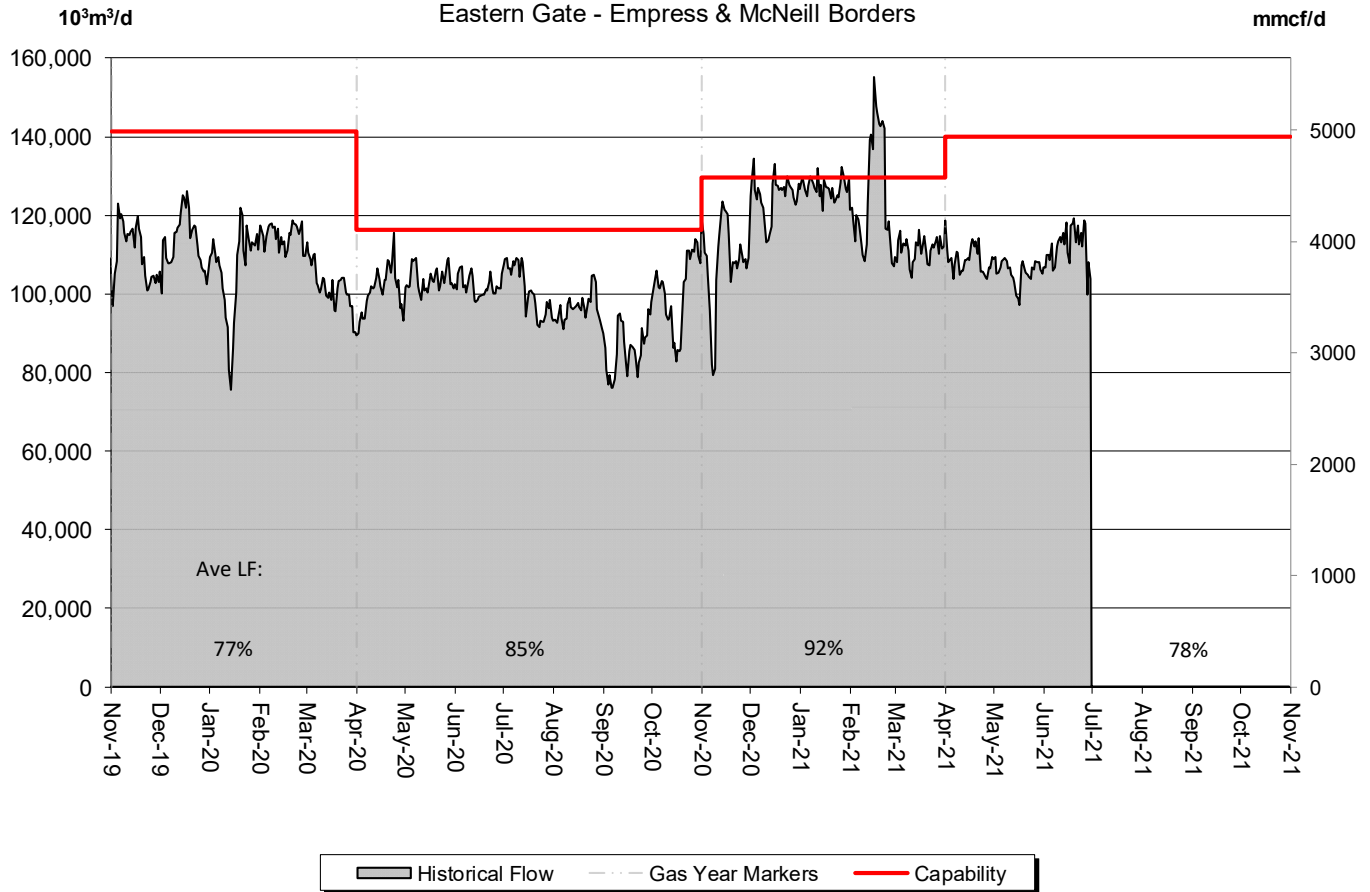
### % Design Capability Utilization

Flow/ Design	Jan	Feb	Mar	Apr	May	Jun
	80%	88%	82%	78%	77%	75%

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

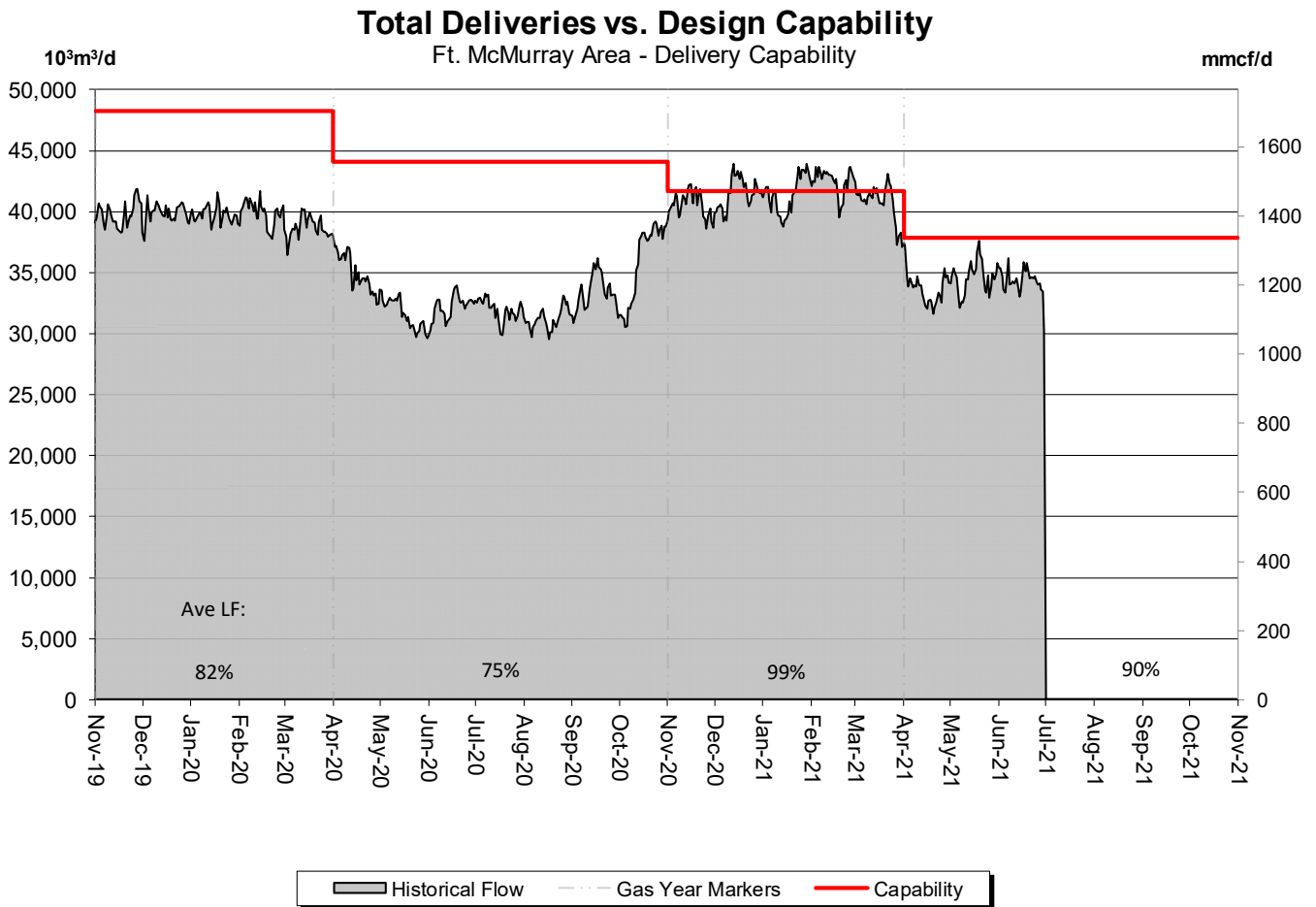
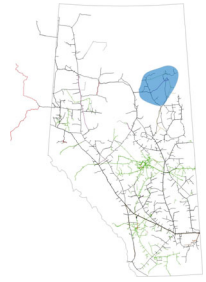


**Throughput vs. Design Capability**  
Eastern Gate - Empress & McNeill Borders



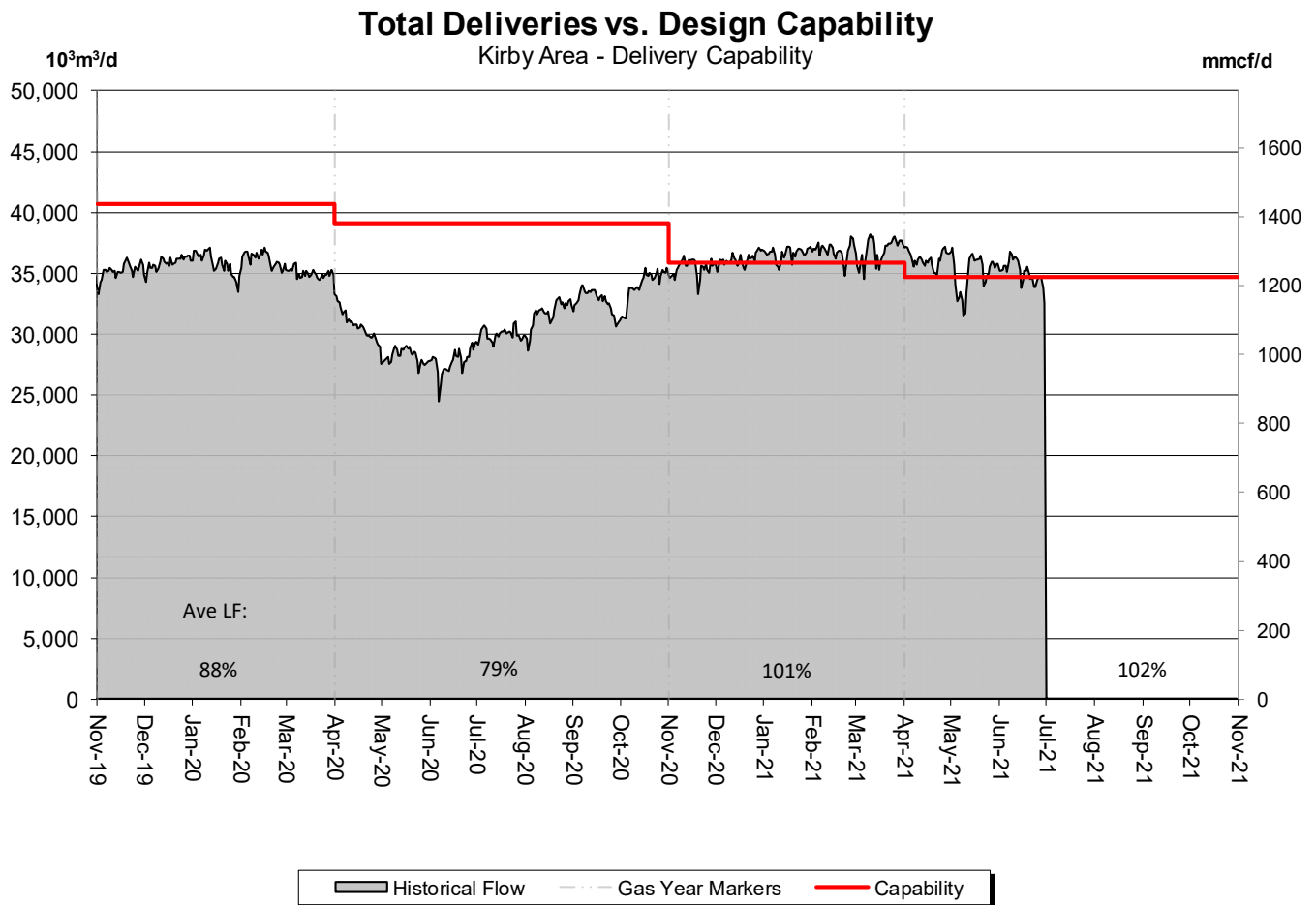
% Design Capability Utilization						
Flow/ Design	Jan	Feb	Mar	Apr	May	Jun
	98%	97%	86%	78%	76%	80%

# DESIGN CAPABILITY UTILIZATION FT. McMURRAY AREA – FLOW WITHIN



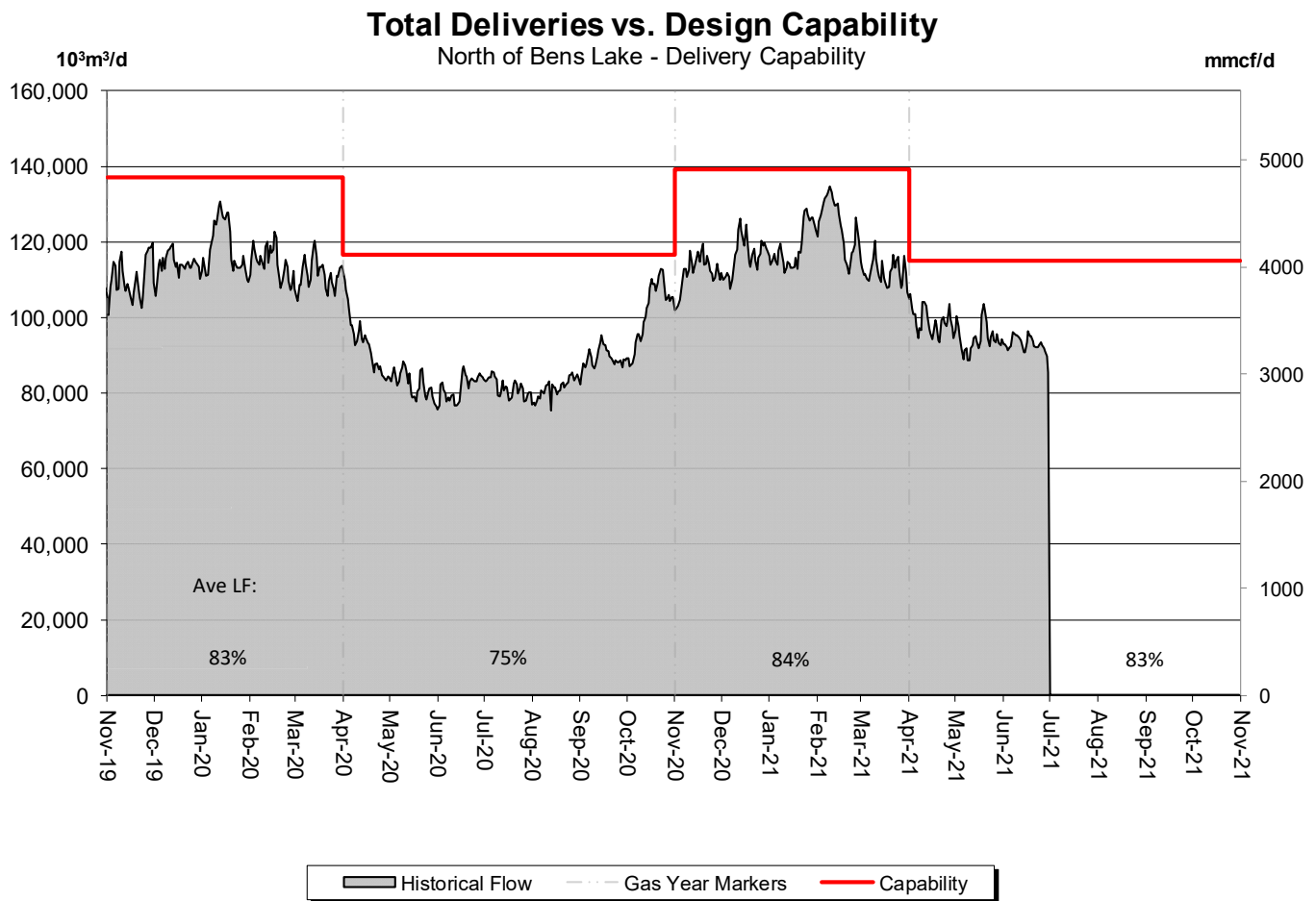
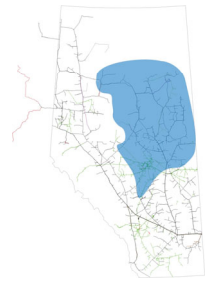
% Design Capability Utilization						
Flow/ Design	Jan	Feb	Mar	Apr	May	Jun
	99%	102%	98%	89%	91%	91%

# DESIGN CAPABILITY UTILIZATION KIRBY AREA – FLOW WITHIN



% Design Capability Utilization						
Flow/ Design	Jan	Feb	Mar	Apr	May	Jun
	102%	103%	103%	104%	101%	101%

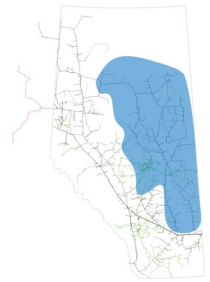
# DESIGN CAPABILITY UTILIZATION NORTH OF BENS LAKE – FLOW WITHIN



% Design Capability Utilization						
Flow/ Design	Jan	Feb	Mar	Apr	May	Jun
	85%	89%	81%	86%	82%	81%

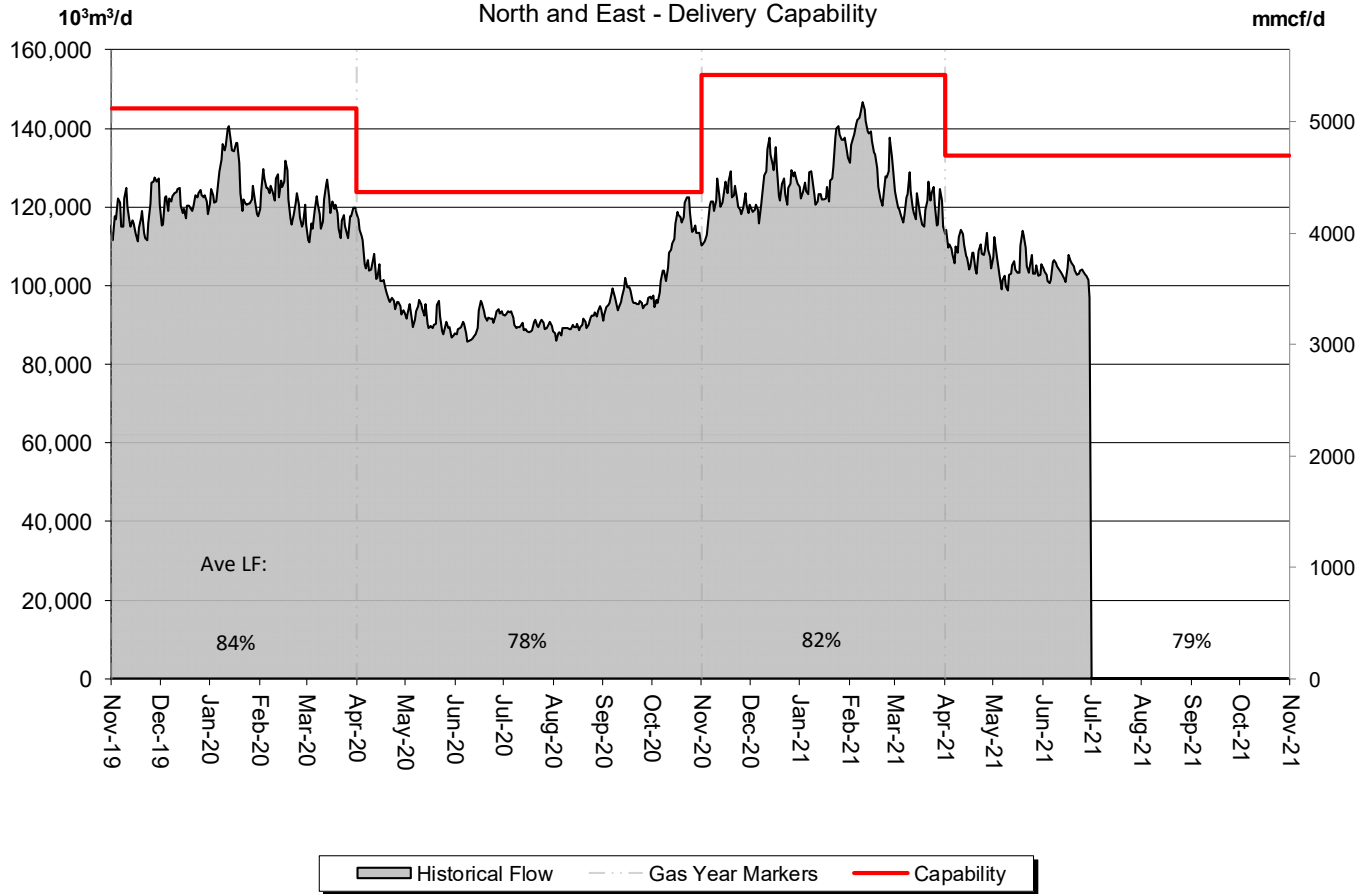


# DESIGN CAPABILITY UTILIZATION NORTH and EAST – FLOW WITHIN



## Total Deliveries vs. Design Capability

North and East - Delivery Capability



## % Design Capability Utilization

Flow/ Design	Jan	Feb	Mar	Apr	May	Jun
	83%	88%	78%	82%	79%	78%

## **FUTURE FIRM TRANSPORTATION SERVICE AVAILABILITY**

---

*Please consult with your Marketing Representative 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.

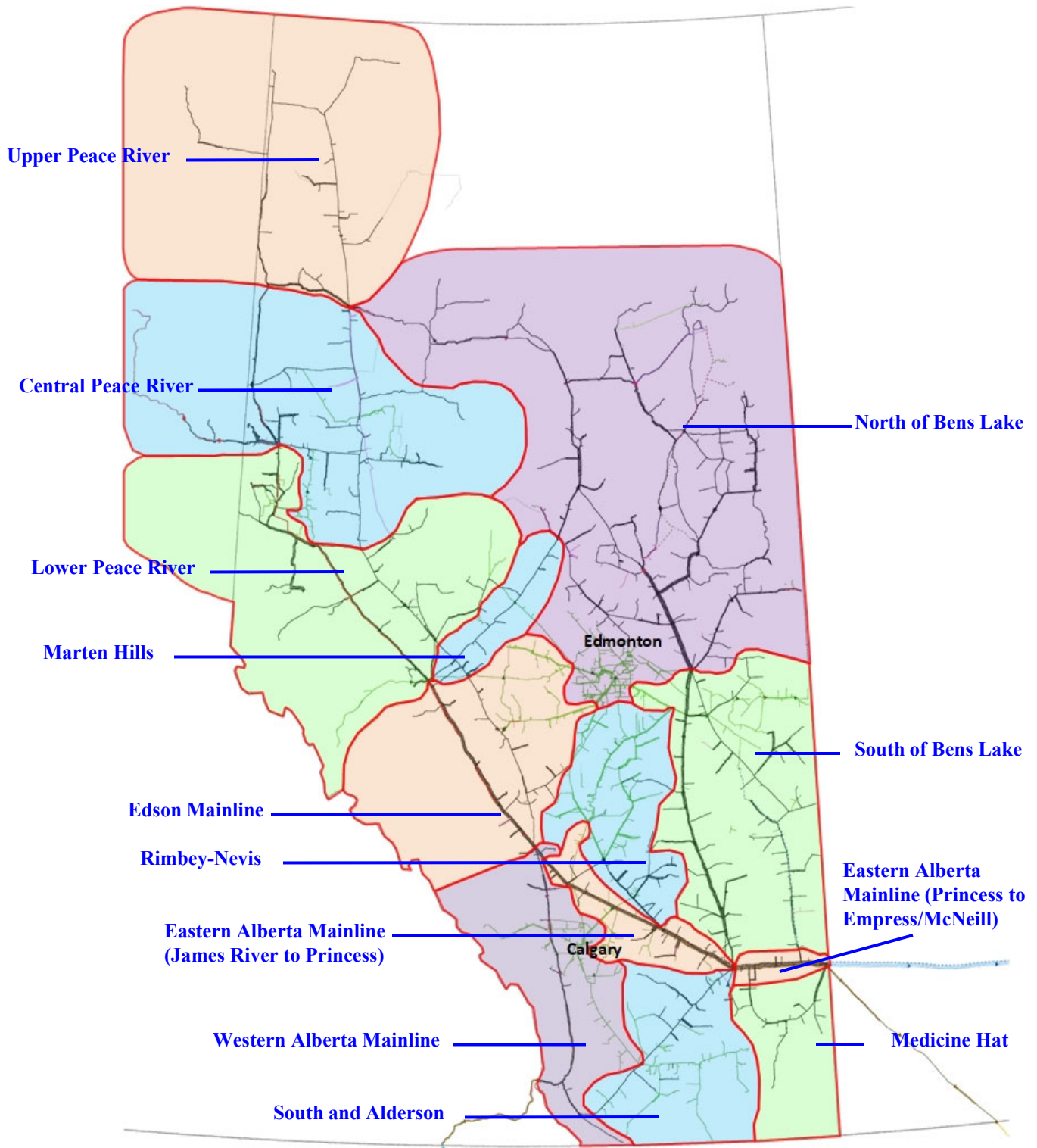
Design Flow Capability utilization is a function of several factors that include:

- 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.

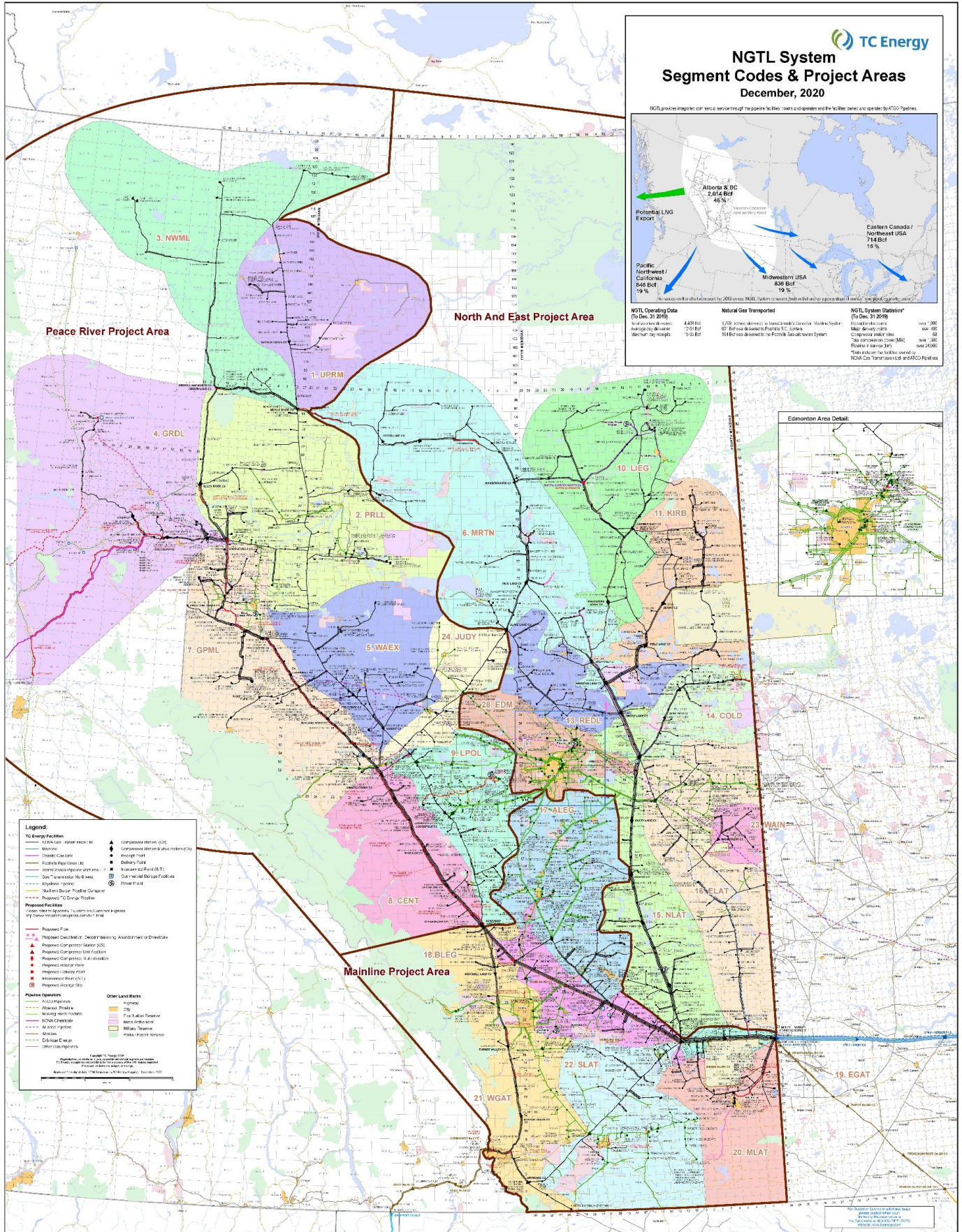
# NGTL Design Areas



(Last updated Oct 2019)



Last Updated December, 2020



# 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

---