

# SYSTEM UTILIZATION MONTHLY REPORT

for the month ending

November 2023

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

*Published date:*

**January 15<sup>th</sup>, 2023**

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## Highlights This Month:

- Winter 2024 capabilities have been added to all charts.
  - Increased 2024 North and East Project Area capabilities compared to the 2023 gas year resulting from added NCE facilities that came onstream in 2023.
- WAML now reflected as Alberta/BC Border to match Annual Plan (formerly was Alberta BC + Alberta-Montana Borders).

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 Colin Cooper at (403) 463-6241 or [colin\\_cooper@tcenergy.com](mailto:colin_cooper@tcenergy.com).

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

By NGTL Pipeline Segments

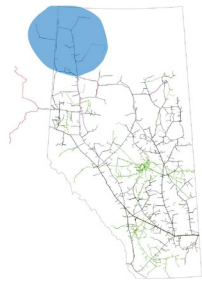
November 2023

Segment	Contract	Delivery		Receipt	
		Utilization	Nov CD (TJ/d)	Utilization	Nov CD (MMcf/d)
UPRM	FT	0%	0.0	99%	63
	FT + IT <sup>2</sup>	0%		99%	
PRLL	FT	53%	27.1	74%	252
	FT + IT	83%		75%	
NWML	FT	0%	0.0	77%	145
	FT + IT	0%		78%	
GRDL	FT	0%	0.0	81%	5,241
	FT + IT	0%		82%	
WAEX	FT	53%	18.1	73%	1,092
	FT + IT	93%		74%	
JUDY	FT	59%	19.6	92%	21
	FT + IT	80%		111%	
GPML	FT	45%	319.3	81%	5,349
	FT + IT	77%		83%	
CENT	FT	11%	23.7	61%	2,598
	FT + IT	13%		61%	
LPOL	FT	60%	583.2	72%	1,020
	FT + IT	68%		77%	
WGAT	FT	74%	4,670.0	98%	206
	FT + IT	75%		120%	
ALEG	FT	52%	412.8	93%	416
	FT + IT	53%		136%	
SLAT	FT	37%	190.8	98%	76
	FT + IT	38%		126%	
MLAT	FT	80%	312.6	94%	67
	FT + IT	80%		122%	
BLEG	FT	41%	159.2	98%	381
	FT + IT	41%		123%	
EGAT	FT	94%	5,431.5	100%	7
	FT + IT	98%		119%	
MRTN	FT	56%	28.5	90%	62
	FT + IT	61%		109%	
LIEG	FT	80%	2,190.5	71%	15
	FT + IT	81%		102%	
KIRB	FT	88%	1,783.1	66%	9
	FT + IT	90%		171%	
REDL	FT	17%	17.9	76%	8
	FT + IT	17%		128%	
COLD	FT	73%	290.1	95%	4
	FT + IT	73%		261%	
EDM	FT	56%	1,890.7	98%	33
	FT + IT	57%		129%	
NLAT	FT	33%	303.1	96%	82
	FT + IT	33%		117%	
WAIN	FT	40%	0.3	52%	1
	FT + IT	134%		272%	
ELAT	FT	79%	327.5	93%	58
	FT + IT	79%		147%	
TOTAL SYSTEM	FT	77%	18,999.5	78%	17,206
	FT + IT	80%		82%	

**\*NOTE:**

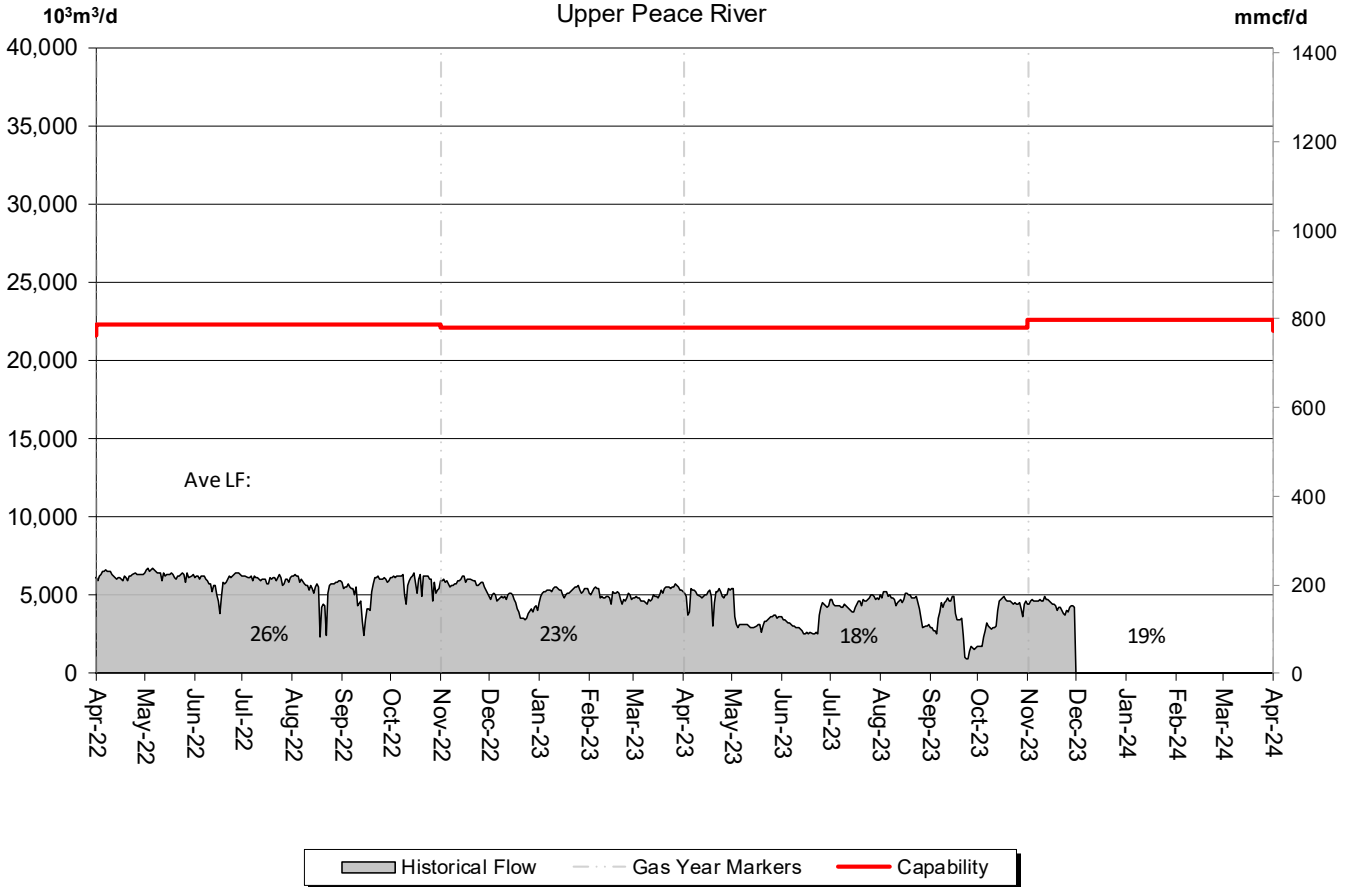
1. FT includes all receipt and delivery Firm Transportation Services.
2. IT includes receipt and delivery Interruptible Services.
3. Utilization data is based on billed monthly volumes. Percent utilization calculated as FT and FT + IT billed volumes divided by applicable receipt or delivery Contract level.

# DESIGN CAPABILITY UTILIZATION UPPER PEACE RIVER



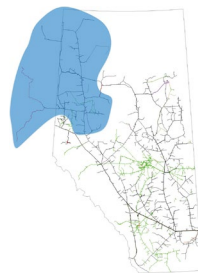
## Throughput vs. Design Capability

Upper Peace River

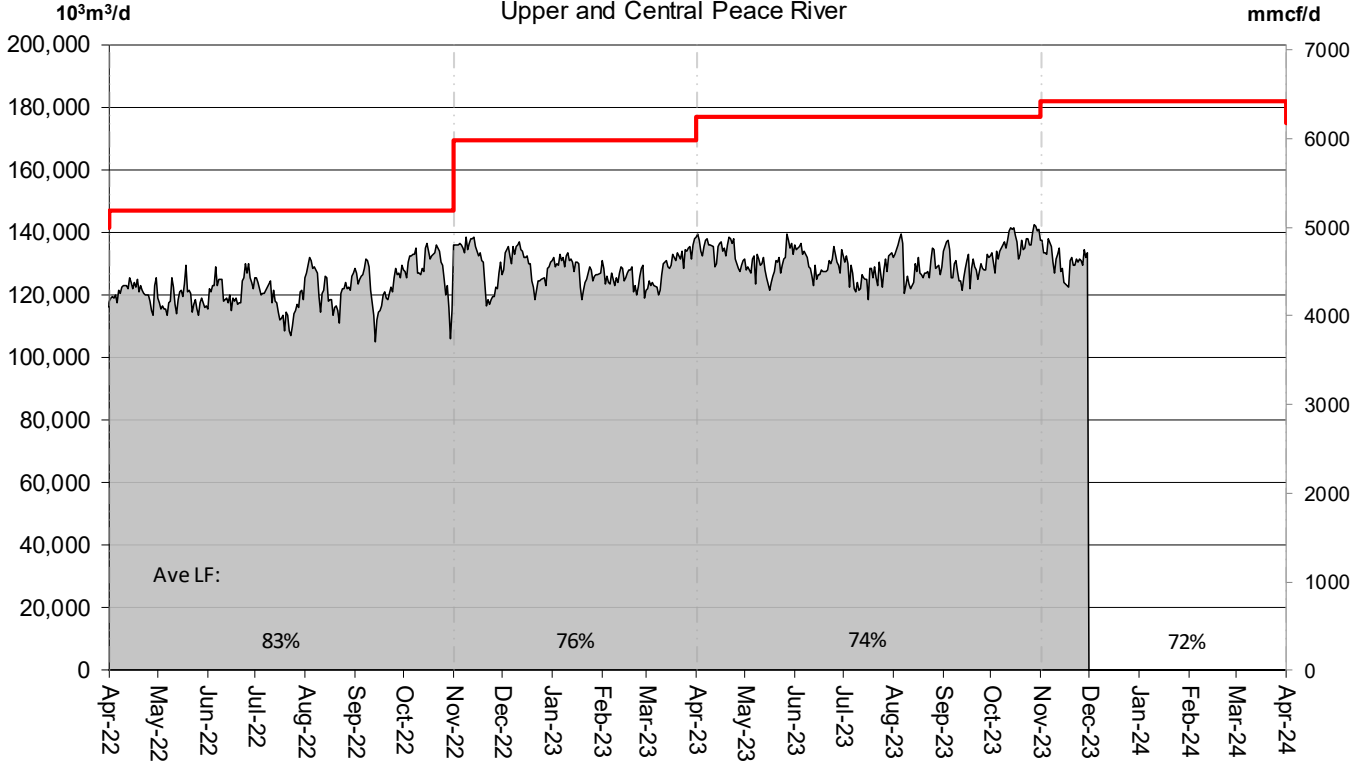


% Design Capability Utilization						
Average Flow/	Jun	Jul	Aug	Sep	Oct	Nov
	15%	20%	21%	14%	14%	14%

# DESIGN CAPABILITY UTILIZATION UPPER and CENTRAL PEACE RIVER



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



Historical Flow
  Gas Year Markers
  Capability

% Design Capability Utilization						
Average	Jun	Jul	Aug	Sep	Oct	Nov
Flow/	74%	72%	73%	73%	73%	73%

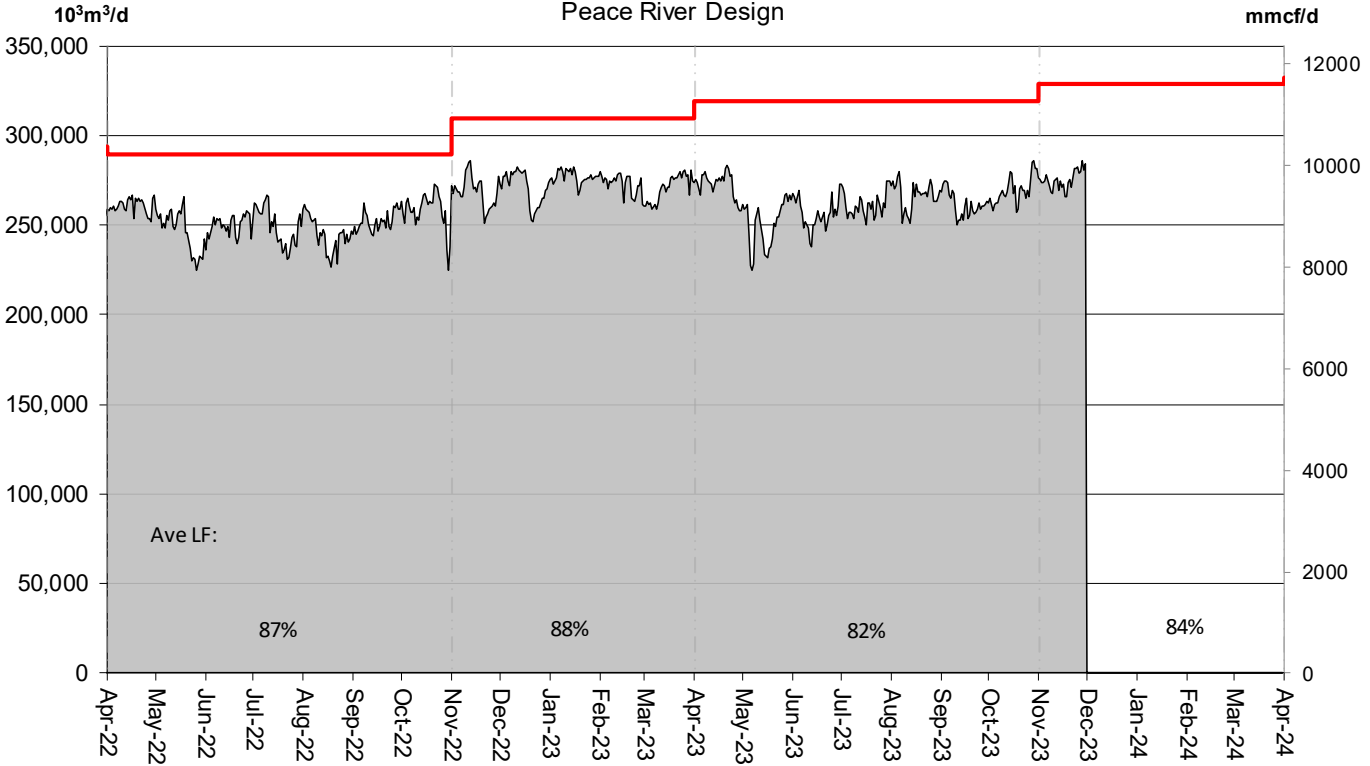
# DESIGN CAPABILITY UTILIZATION

## PEACE RIVER DESIGN

(Upper, Central and Lower Peace River)



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

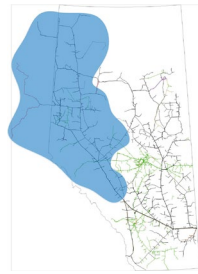


Historical Flow
  Gas Year Markers
  Capability

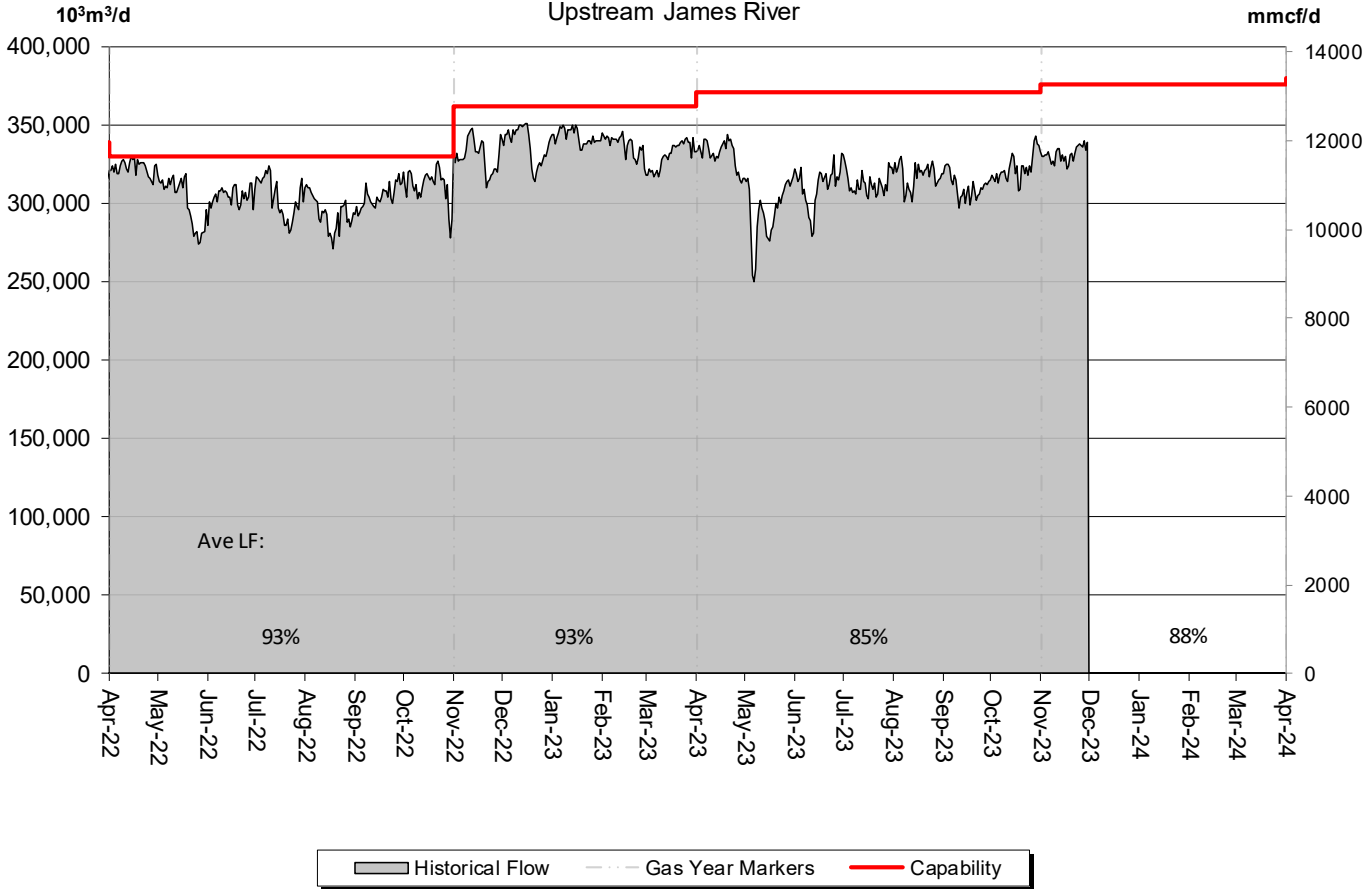
% Design Capability Utilization						
Average Flow/	Jun	Jul	Aug	Sep	Oct	Nov
	80%	82%	84%	82%	82%	82%

# DESIGN CAPABILITY UTILIZATION UPSTREAM JAMES RIVER

(Edson Mainline, Peace River Design and Marten Hills)



**Throughput vs. Design Capability**  
Upstream James River



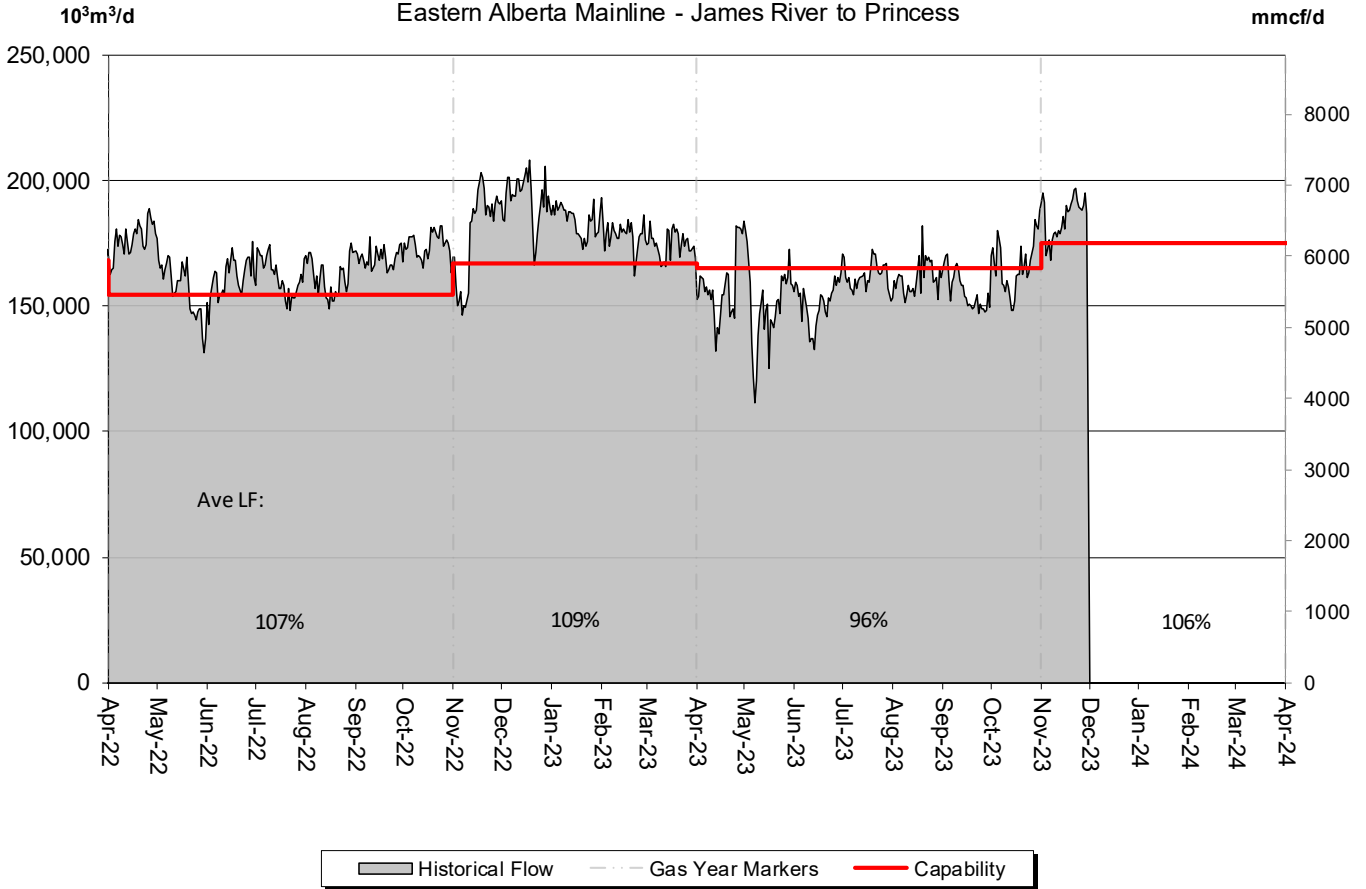
% Design Capability Utilization						
Average Flow/	Jun	Jul	Aug	Sep	Oct	Nov
	84%	85%	86%	84%	84%	84%

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



## Throughput vs. Design Capability

Eastern Alberta Mainline - James River to Princess



% Design Capability Utilization						
Average Flow/	Jun	Jul	Aug	Sep	Oct	Nov
	92%	98%	98%	95%	95%	95%

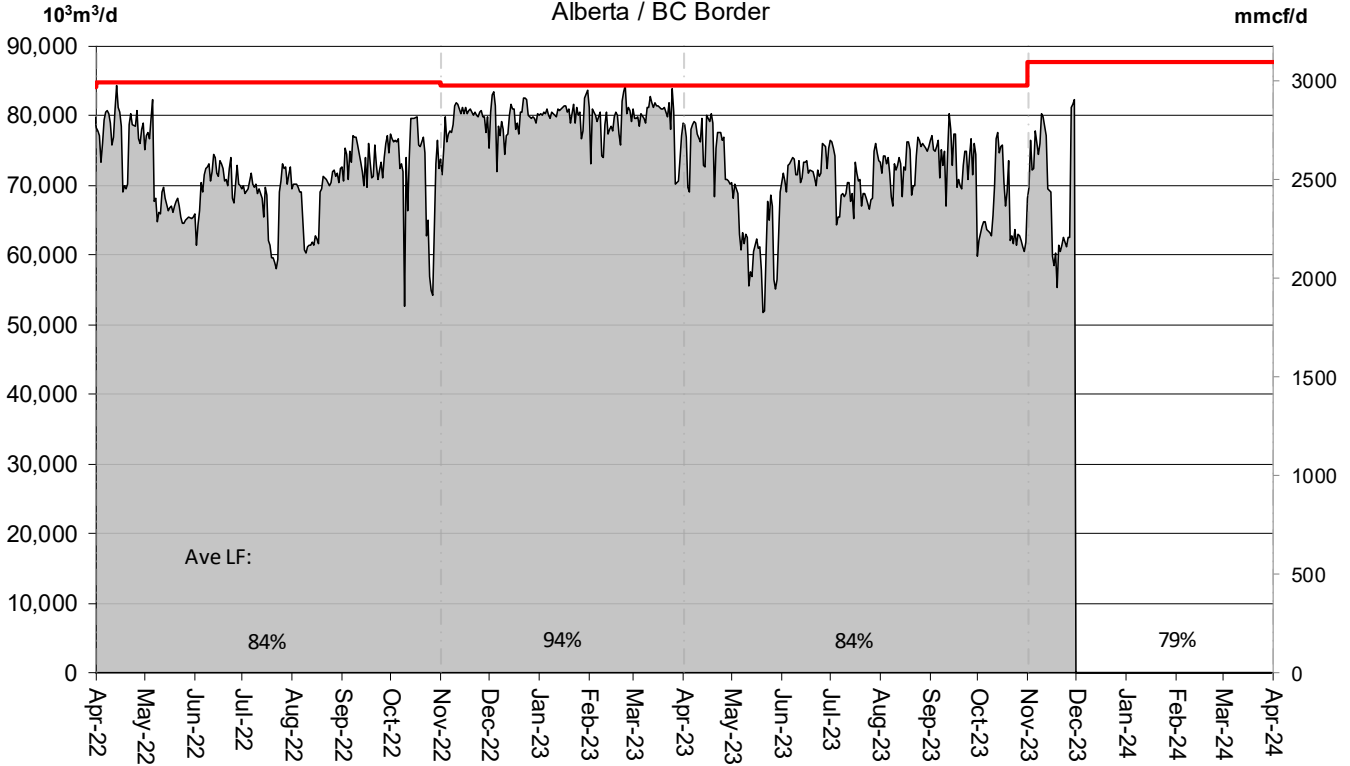


# DESIGN CAPABILITY UTILIZATION ALBERTA / BC BORDER (Alberta/B.C. Border)



## Throughput vs. Design Capability

Alberta / BC Border

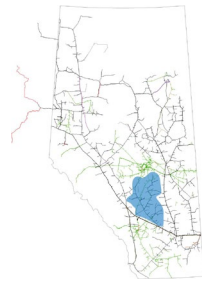


Historical Flow Gas Year Markers Capability

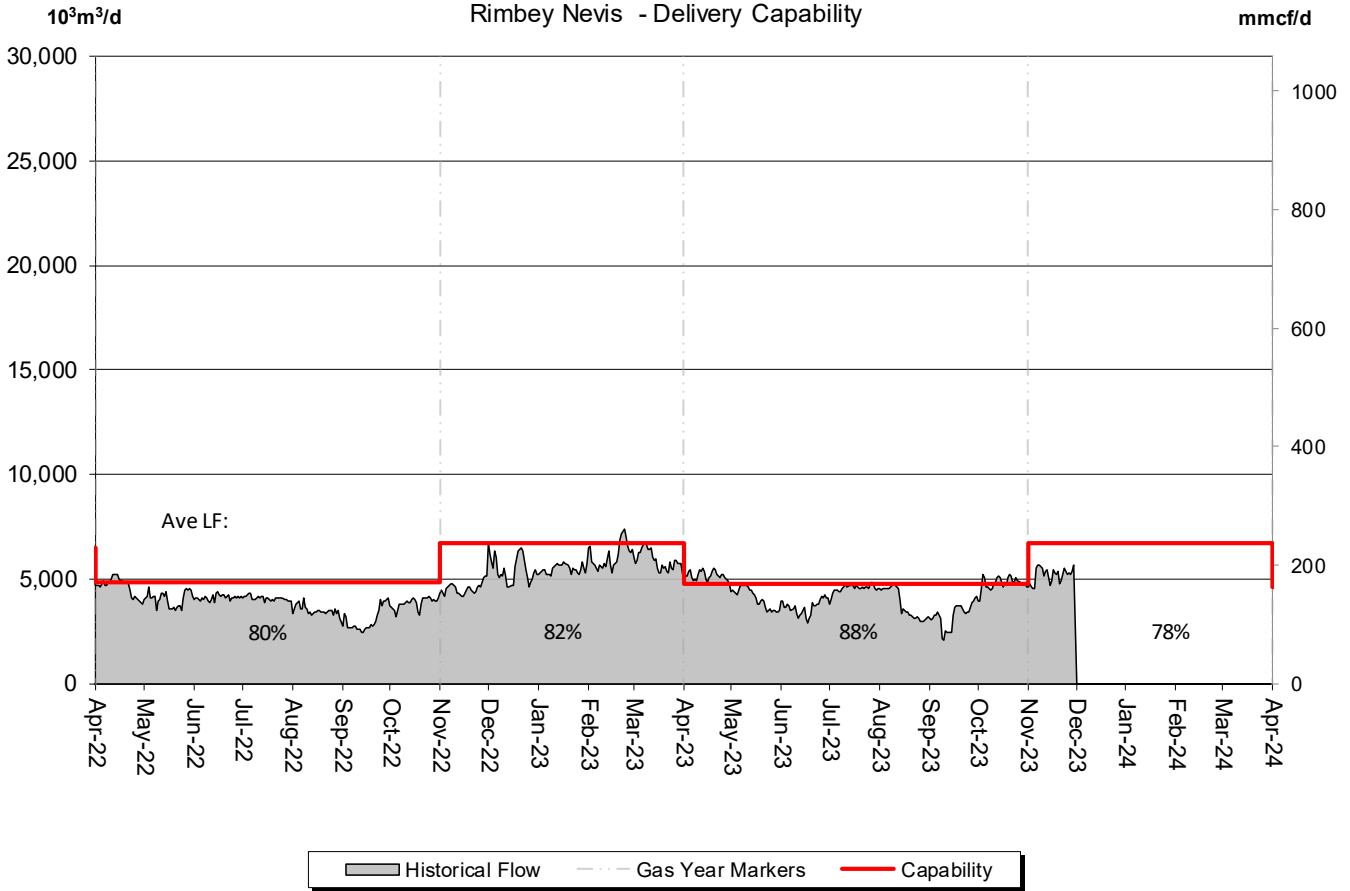
% Design Capability Utilization						
Average Flow/	Jun	Jul	Aug	Sep	Oct	Nov
	86%	83%	87%	88%	88%	88%

# DESIGN CAPABILITY UTILIZATION

## RIMBEY-NEVIS – FLOW WITHIN



**Total Deliveries vs. Design Capability**  
Rimbey Nevis - Delivery Capability



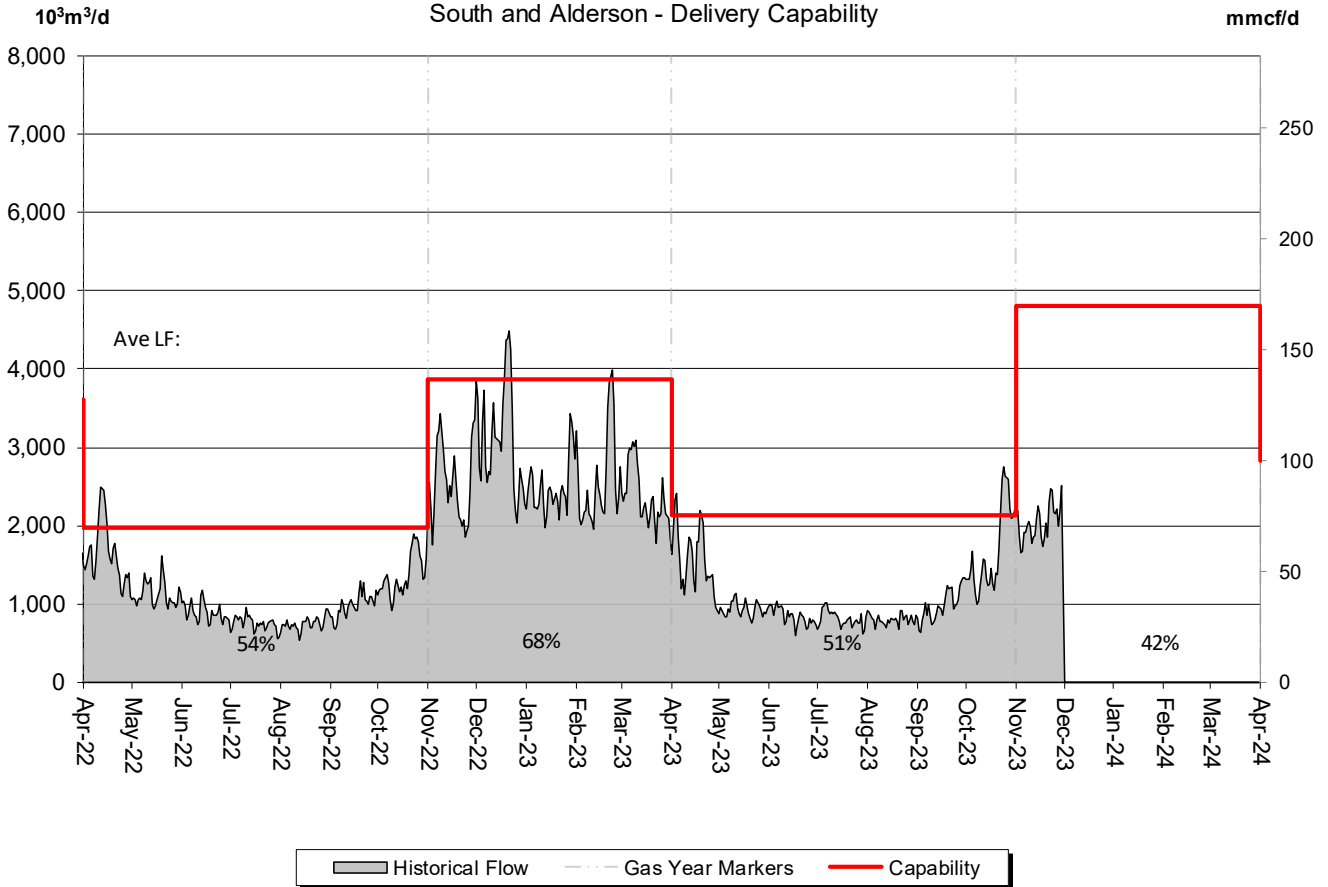
% Design Capability Utilization						
Average Flow/	Jun	Jul	Aug	Sep	Oct	Nov
	77%	95%	80%	68%	68%	68%

# DESIGN CAPABILITY UTILIZATION SOUTH and ALDERSON – FLOW WITHIN



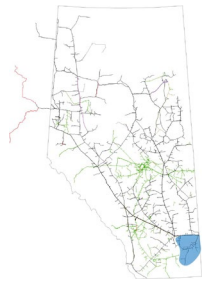
## Total Deliveries vs. Design Capability

South and Alderson - Delivery Capability



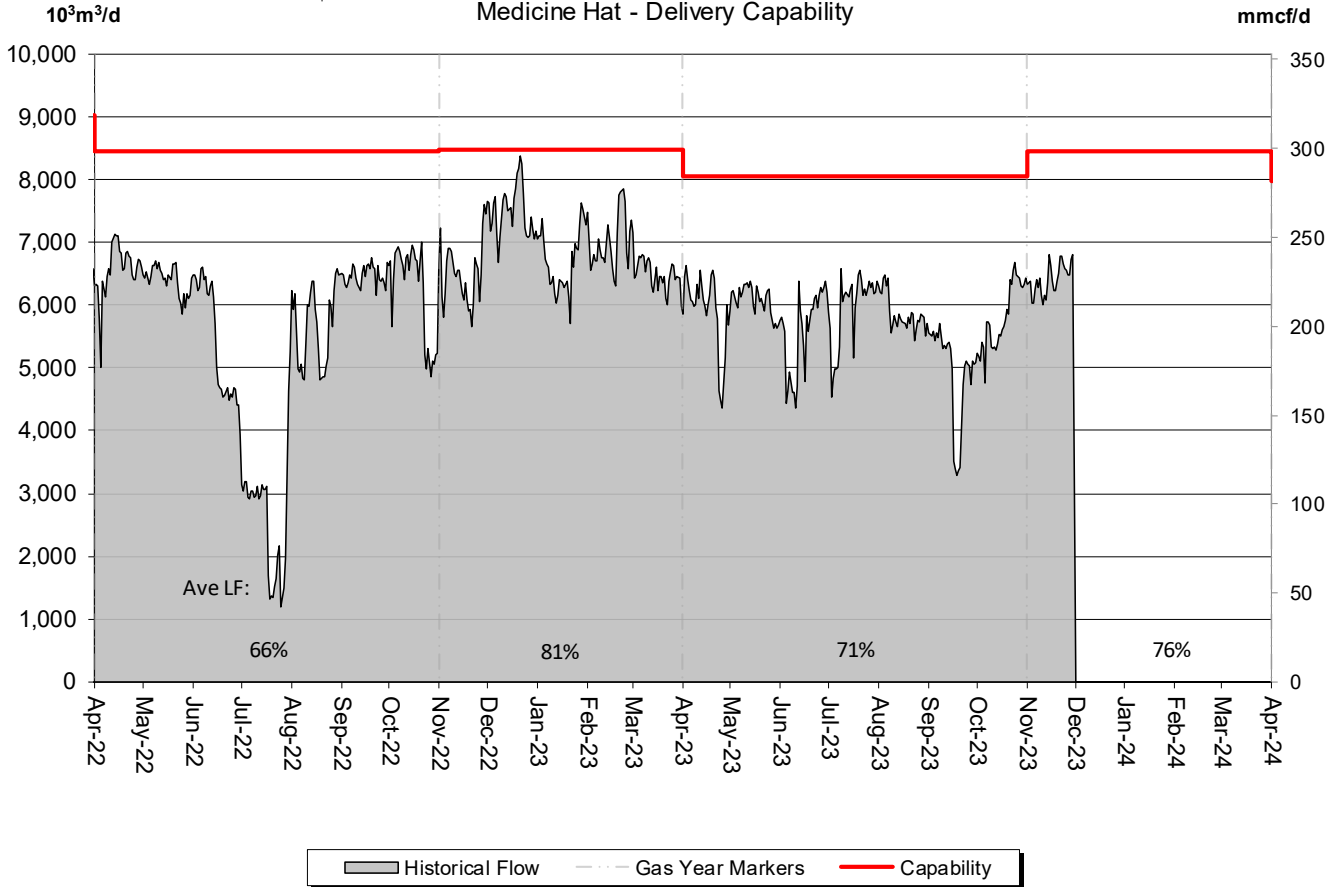
% Design Capability Utilization						
Average Flow/	Jun	Jul	Aug	Sep	Oct	Nov
	39%	38%	38%	46%	46%	46%

# DESIGN CAPABILITY UTILIZATION MEDICINE HAT – FLOW WITHIN



## Total Deliveries vs. Design Capability

Medicine Hat - Delivery Capability



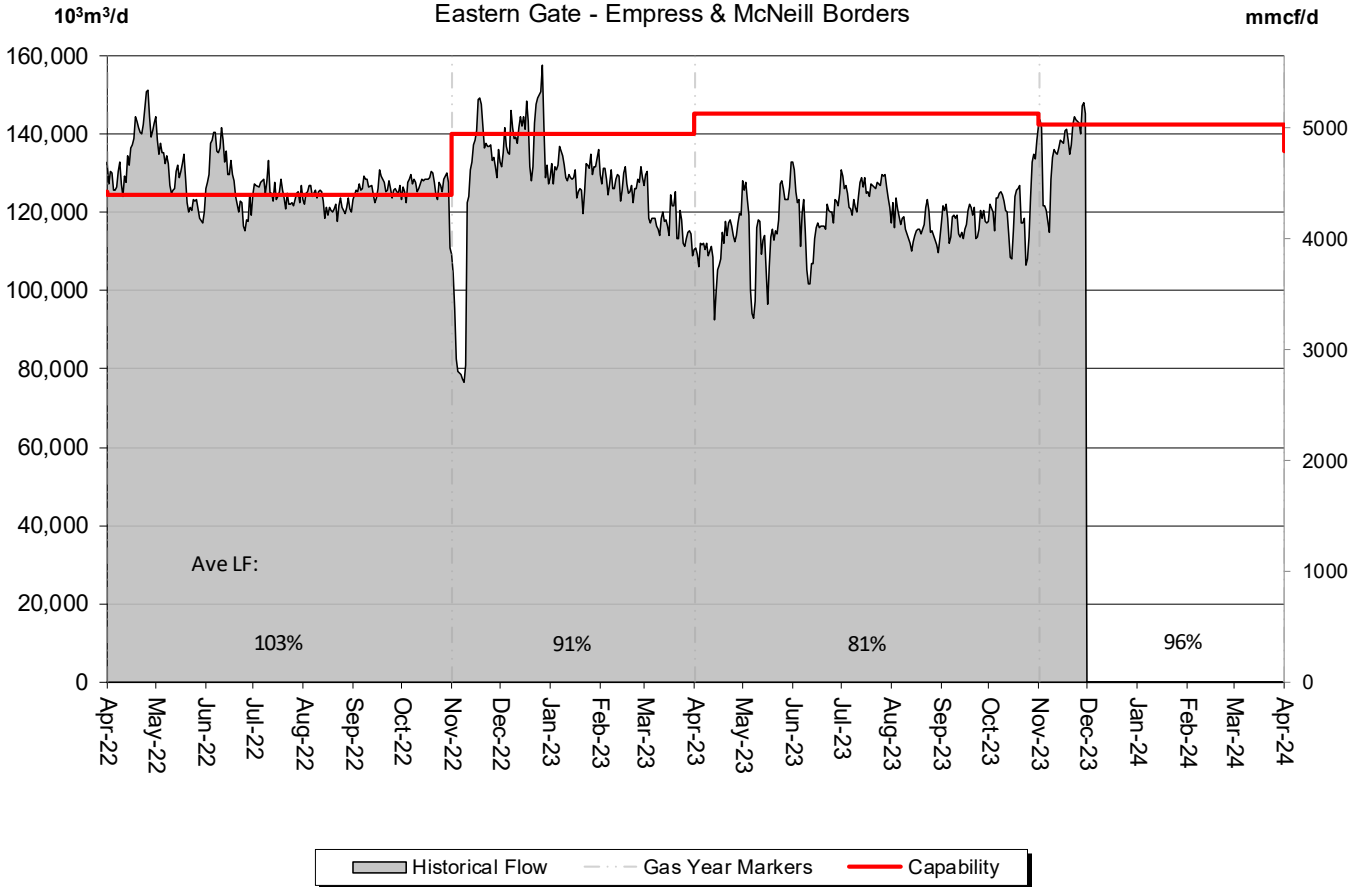
% Design Capability Utilization						
Average Flow/	Jun	Jul	Aug	Sep	Oct	Nov
	70%	74%	73%	62%	62%	62%

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



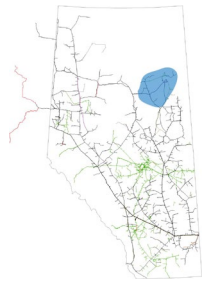
## Throughput vs. Design Capability

Eastern Gate - Empress & McNeill Borders



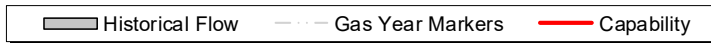
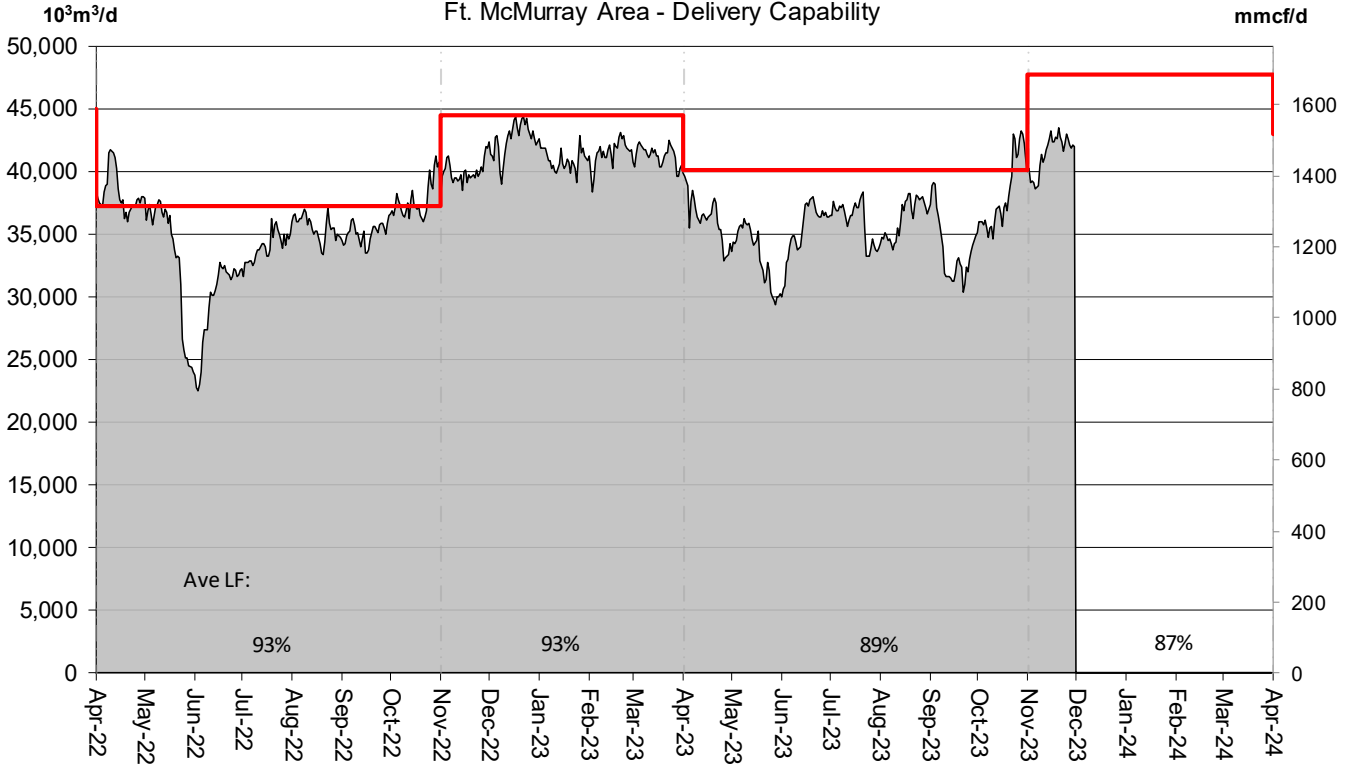
% Design Capability Utilization						
Average Flow/	Jun	Jul	Aug	Sep	Oct	Nov
	81%	87%	80%	81%	81%	81%

# DESIGN CAPABILITY UTILIZATION FT. McMURRAY AREA – FLOW WITHIN



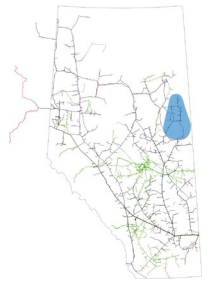
## Total Deliveries vs. Design Capability

Ft. McMurray Area - Delivery Capability



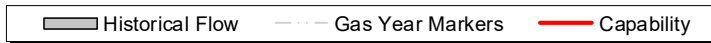
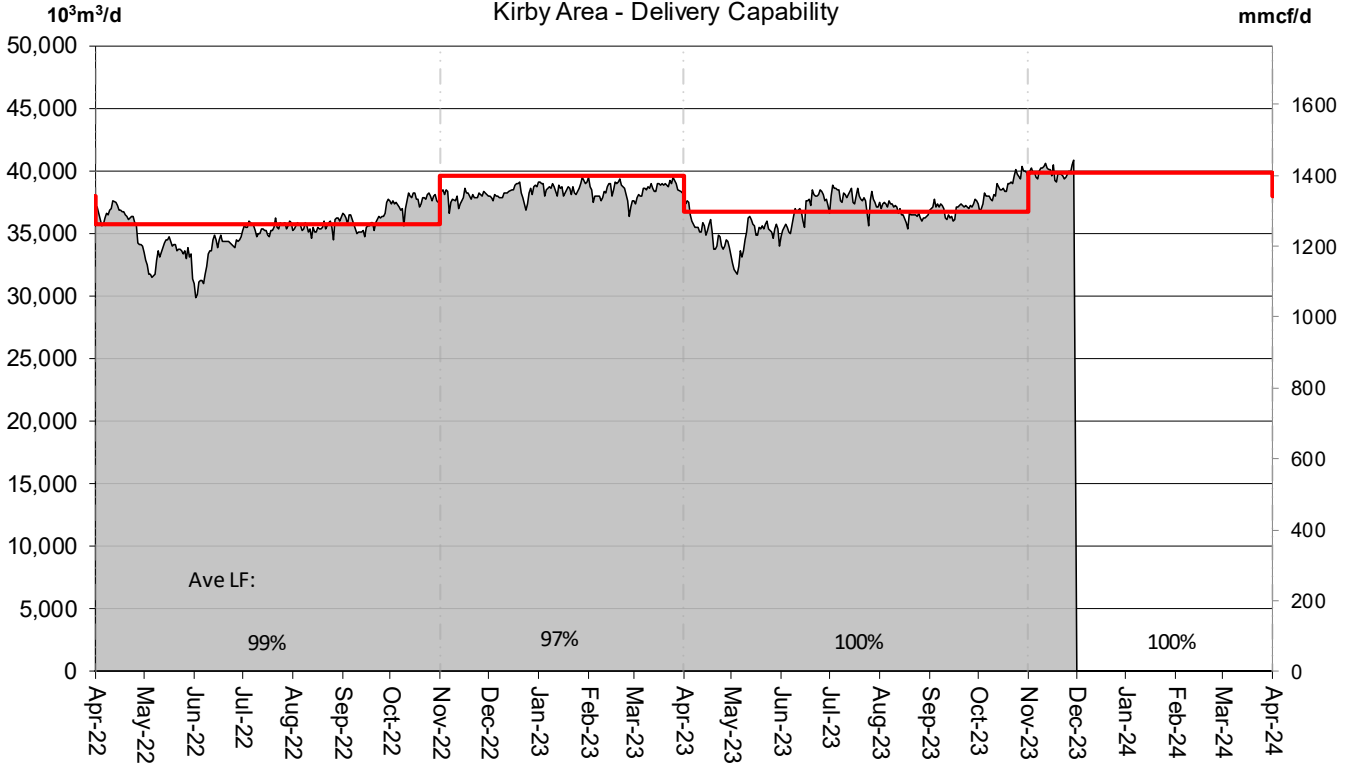
% Design Capability Utilization						
Average Flow/	Jun	Jul	Aug	Sep	Oct	Nov
	88%	90%	90%	84%	84%	84%

# DESIGN CAPABILITY UTILIZATION KIRBY AREA – FLOW WITHIN



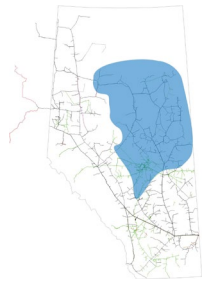
## Total Deliveries vs. Design Capability

Kirby Area - Delivery Capability

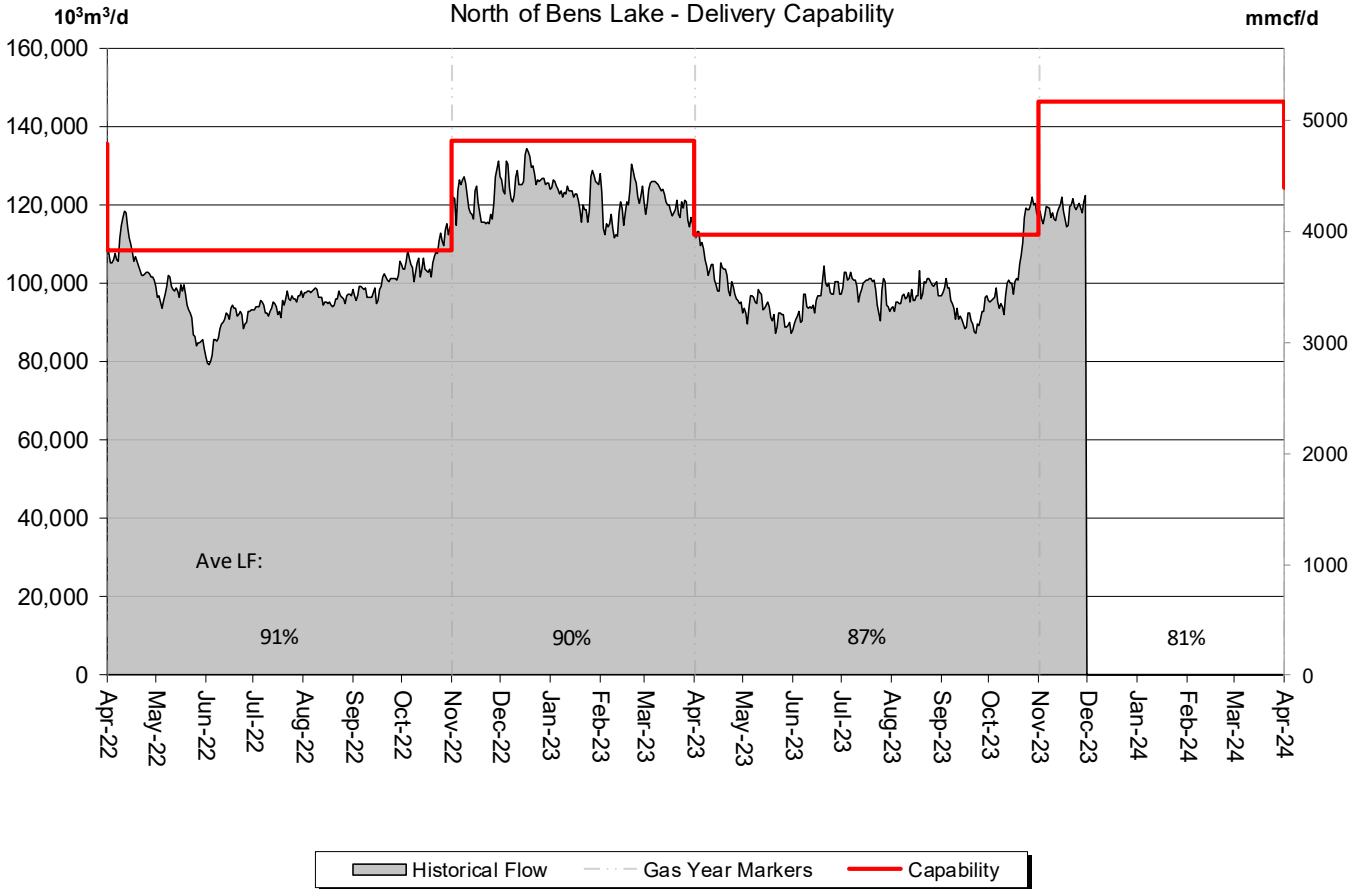


% Design Capability Utilization						
Average Flow/	Jun	Jul	Aug	Sep	Oct	Nov
	101%	103%	100%	101%	101%	101%

# DESIGN CAPABILITY UTILIZATION NORTH OF BENS LAKE – FLOW WITHIN



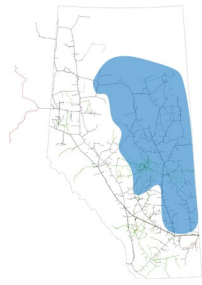
**Total Deliveries vs. Design Capability**  
North of Bens Lake - Delivery Capability



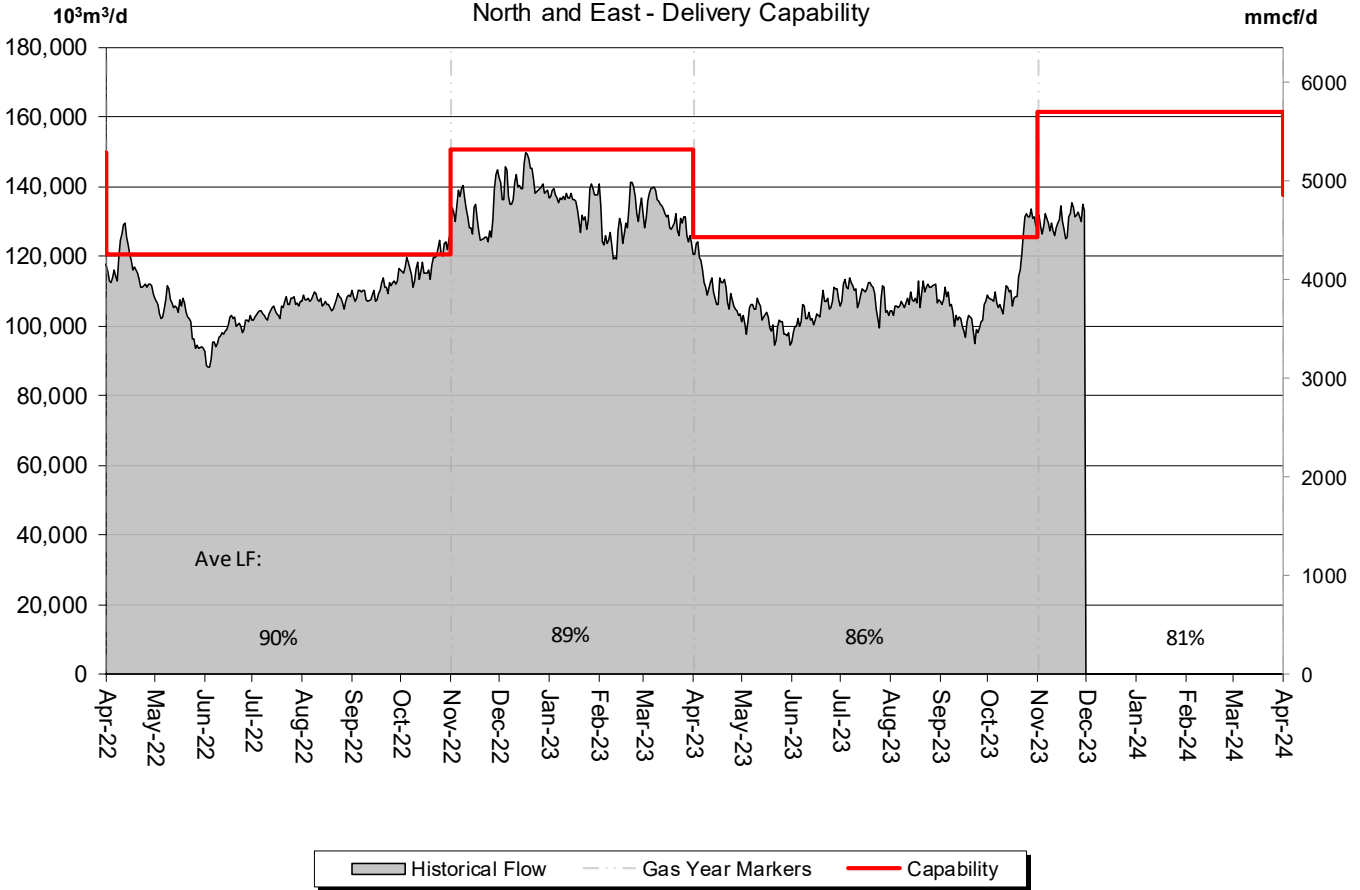
% Design Capability Utilization						
Average Flow/	Jun	Jul	Aug	Sep	Oct	Nov
	85%	88%	87%	83%	83%	83%



# DESIGN CAPABILITY UTILIZATION NORTH and EAST – FLOW WITHIN



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



% Design Capability Utilization						
Average Flow/	Jun	Jul	Aug	Sep	Oct	Nov
	83%	87%	86%	82%	82%	82%

# FUTURE FIRM TRANSPORTATION SERVICE AVAILABILITY

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*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>

# 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.

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.

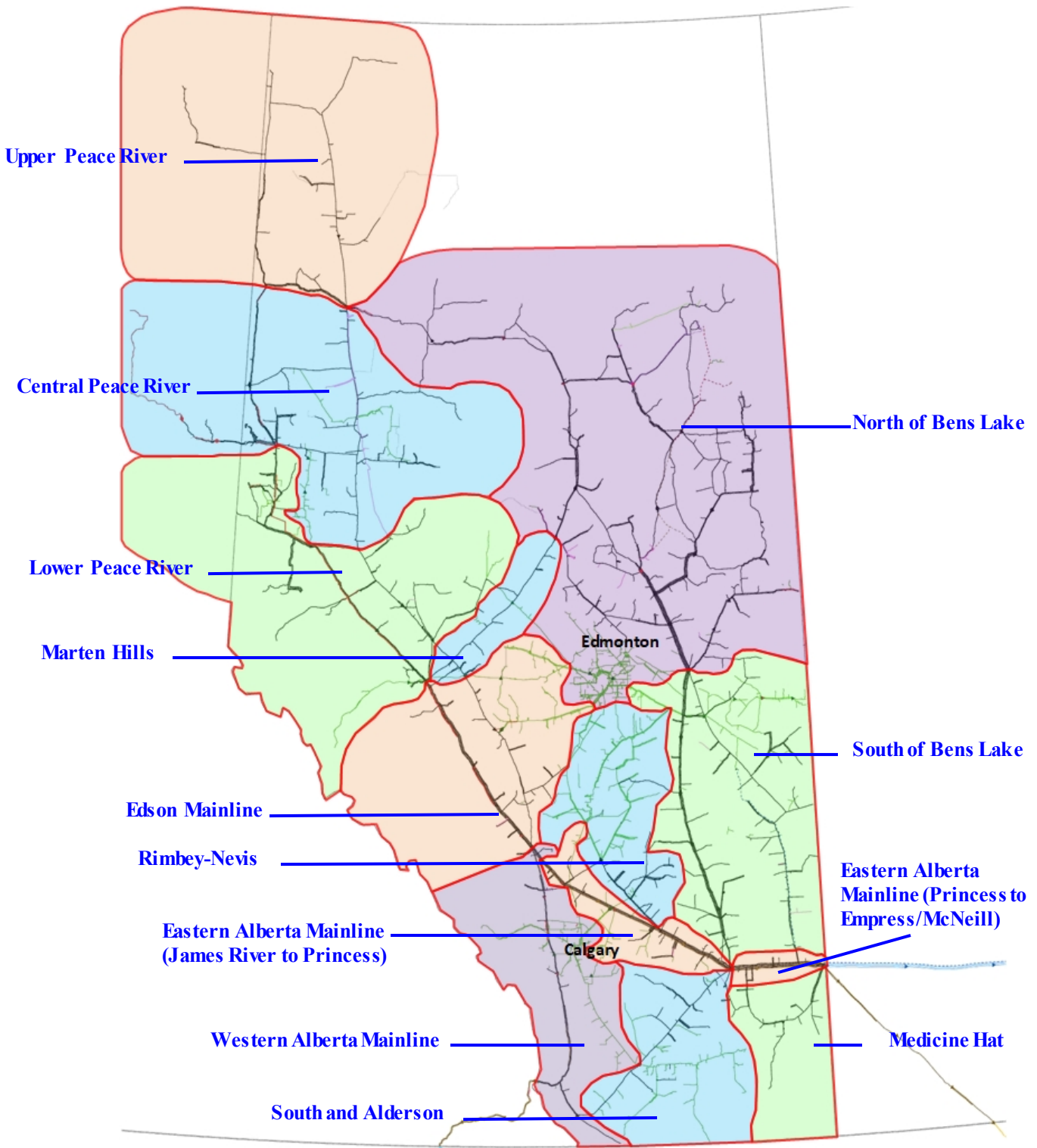
Design Flow Capability utilization is a function of several factors that include:

- 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.

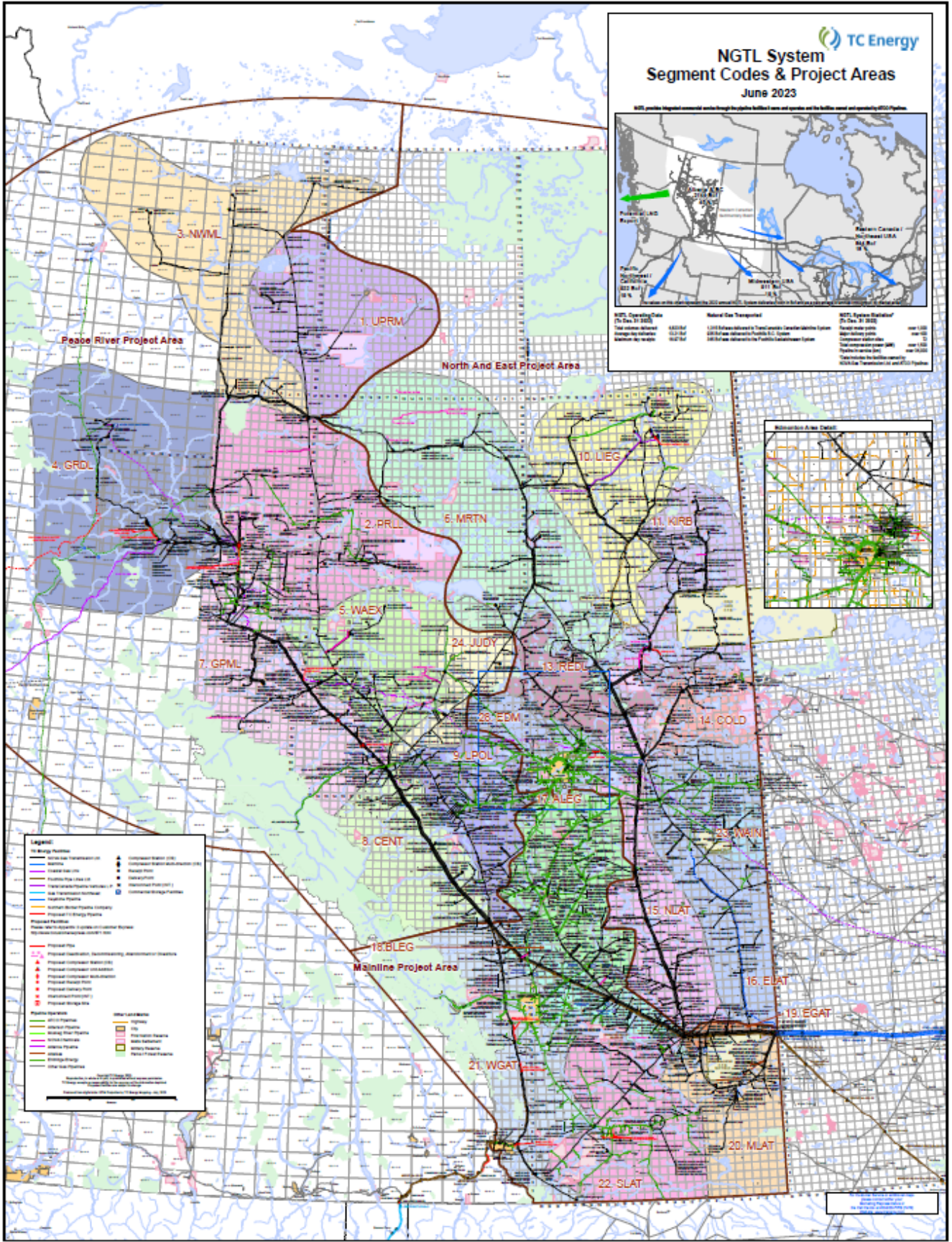
## Future Firm Transportation Service Availability

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 June 2023

NGTL provides digital segment codes through the digital field file and updates will be fully used and operating by Q3 2023

**NGTL Operating Data**  
 24 Dec 2023  
 Total volume delivered 4822 GJ  
 Average delivery 62.7 GJ/d  
 Number of wells 822

**NGTL System Statistics**  
 24 Dec 2023  
 Ready water wells 108  
 High pressure water wells 108  
 Completion water wells 108  
 High pressure water wells 108  
 Ready gas wells 108  
 High pressure gas wells 108  
 Completion gas wells 108  
 High pressure gas wells 108

**Natural Gas Transporter**  
 LDC's authorized to Transport Gas under the License System  
 LDC's authorized to Transport Gas under the License System  
 LDC's authorized to Transport Gas under the License System

# DEFINITION OF TERMS

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## *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.

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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

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