

# SYSTEM UTILIZATION MONTHLY REPORT

for the month ending

December 2023

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

*Published date:*

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

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## Highlights This Month:

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

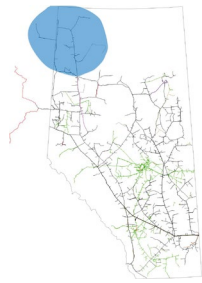
December 2023

Segment	Contract	Delivery		Receipt	
		Utilization	Dec CD (TJ/d)	Utilization	Dec CD (MMcf/d)
UPRM	FT	0%	0.0	98%	62
	FT + IT <sup>2</sup>	0%		101%	
PRLL	FT	59%	27.1	79%	250
	FT + IT	86%		81%	
NWML	FT	0%	0.0	89%	148
	FT + IT	0%		89%	
GRDL	FT	0%	0.0	85%	5,270
	FT + IT	0%		86%	
WAEX	FT	61%	18.1	78%	1,042
	FT + IT	97%		79%	
JUDY	FT	63%	19.6	94%	21
	FT + IT	82%		111%	
GPML	FT	47%	319.3	81%	5,511
	FT + IT	65%		82%	
CENT	FT	29%	10.4	60%	2,551
	FT + IT	34%		61%	
LPOL	FT	59%	646.6	80%	925
	FT + IT	63%		85%	
WGAT	FT	82%	4,740.0	97%	205
	FT + IT	83%		119%	
ALEG	FT	57%	412.8	93%	414
	FT + IT	58%		136%	
SLAT	FT	37%	190.8	98%	82
	FT + IT	37%		117%	
MLAT	FT	81%	312.6	95%	69
	FT + IT	81%		118%	
BLEG	FT	35%	185.7	98%	381
	FT + IT	35%		123%	
EGAT	FT	93%	5,431.5	100%	7
	FT + IT	103%		114%	
MRTN	FT	54%	28.5	88%	61
	FT + IT	57%		112%	
LIEG	FT	79%	2,189.8	69%	15
	FT + IT	82%		101%	
KIRB	FT	90%	1,783.9	62%	9
	FT + IT	92%		172%	
REDL	FT	21%	17.9	66%	8
	FT + IT	21%		126%	
COLD	FT	72%	290.1	94%	4
	FT + IT	72%		259%	
EDM	FT	59%	1,890.7	93%	33
	FT + IT	59%		116%	
NLAT	FT	40%	303.1	98%	81
	FT + IT	40%		119%	
WAIN	FT	51%	0.3	54%	1
	FT + IT	153%		251%	
ELAT	FT	82%	327.5	91%	59
	FT + IT	82%		145%	
TOTAL SYSTEM	FT	79%	19,145.9	80%	17,209
	FT + IT	83%		84%	

**\*NOTE:**

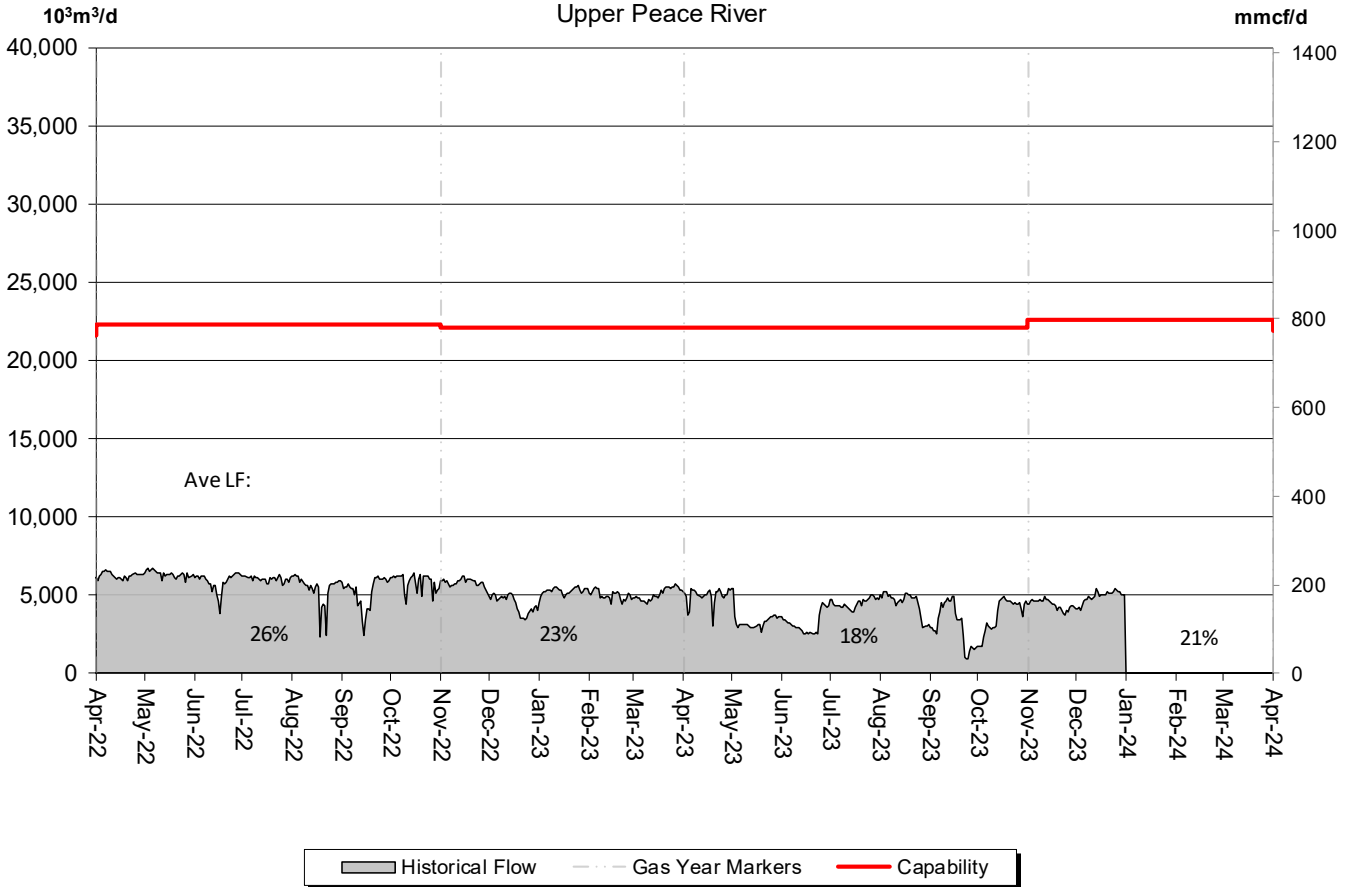
1. FT includes all receipt and delivery Firm Transportation Services.
2. IT includes receipt and delivery Interruptible Services.
3. Utilization data is based on billed monthly volumes. Percent utilization calculated as FT and FT + IT billed volumes divided by applicable receipt or delivery Contract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

# DESIGN CAPABILITY UTILIZATION UPPER PEACE RIVER



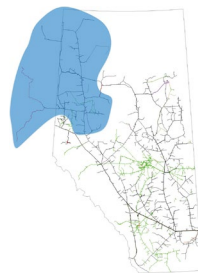
## Throughput vs. Design Capability

Upper Peace River

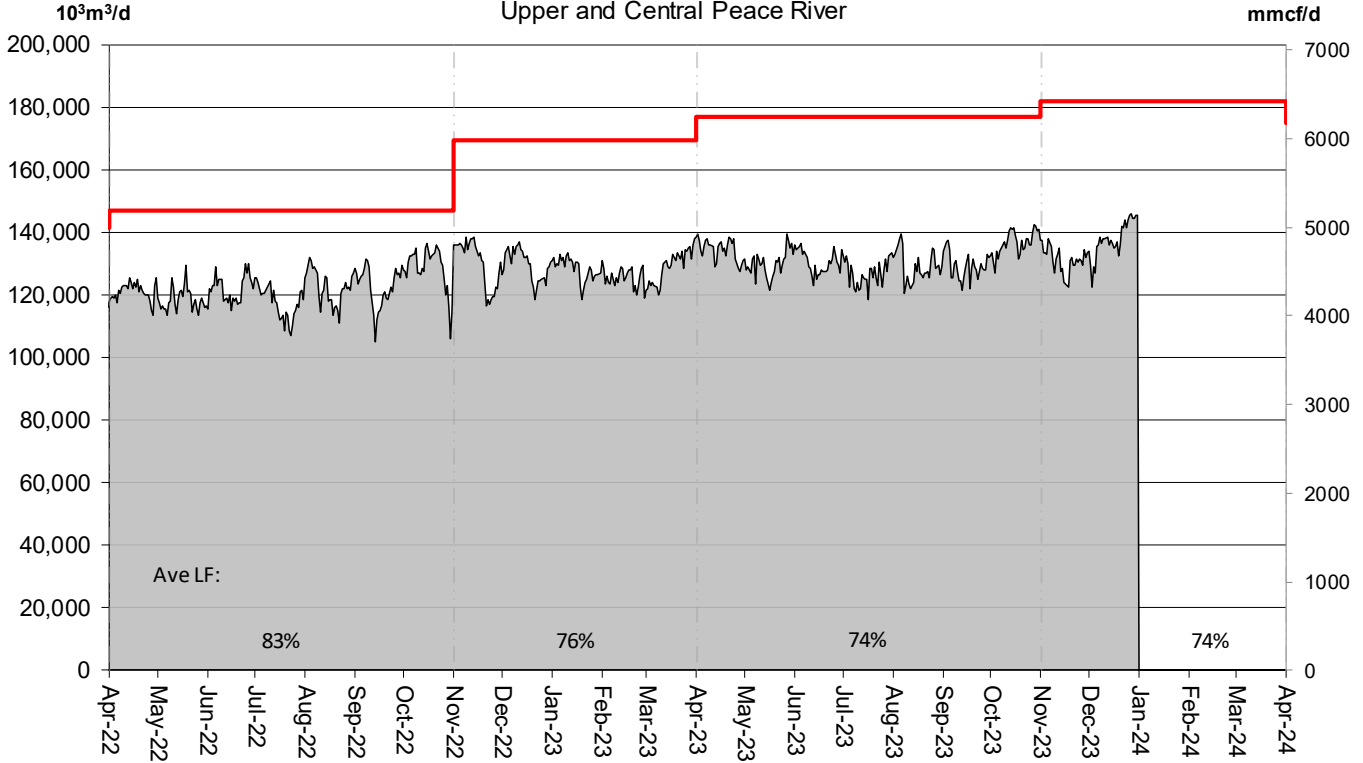


% Design Capability Utilization						
Average	Jul	Aug	Sep	Oct	Nov	Dec
Flow/	20%	21%	14%	14%	14%	14%

# 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 Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	72%	73%	73%	73%	73%	73%

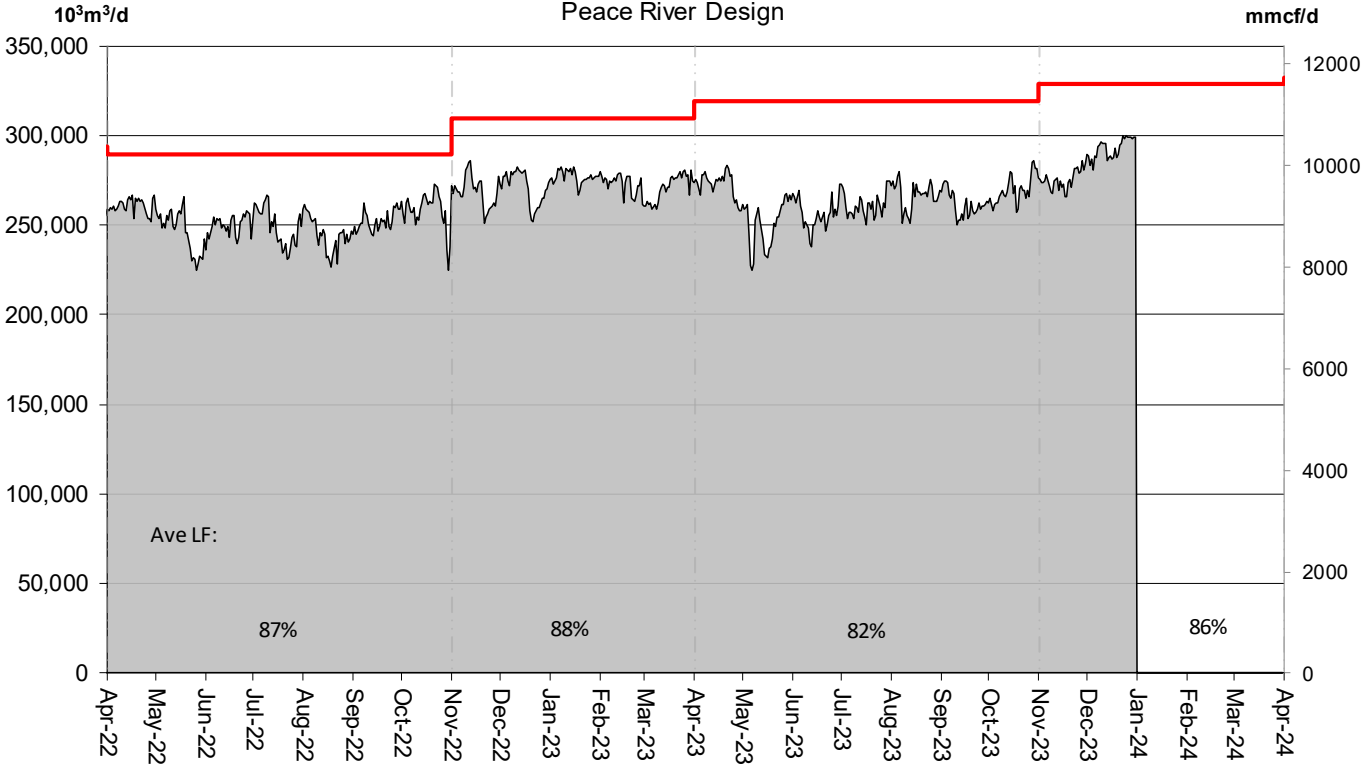
# DESIGN CAPABILITY UTILIZATION

## PEACE RIVER DESIGN

(Upper, Central and Lower Peace River)



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

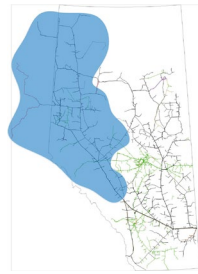


Historical Flow
  Gas Year Markers
  Capability

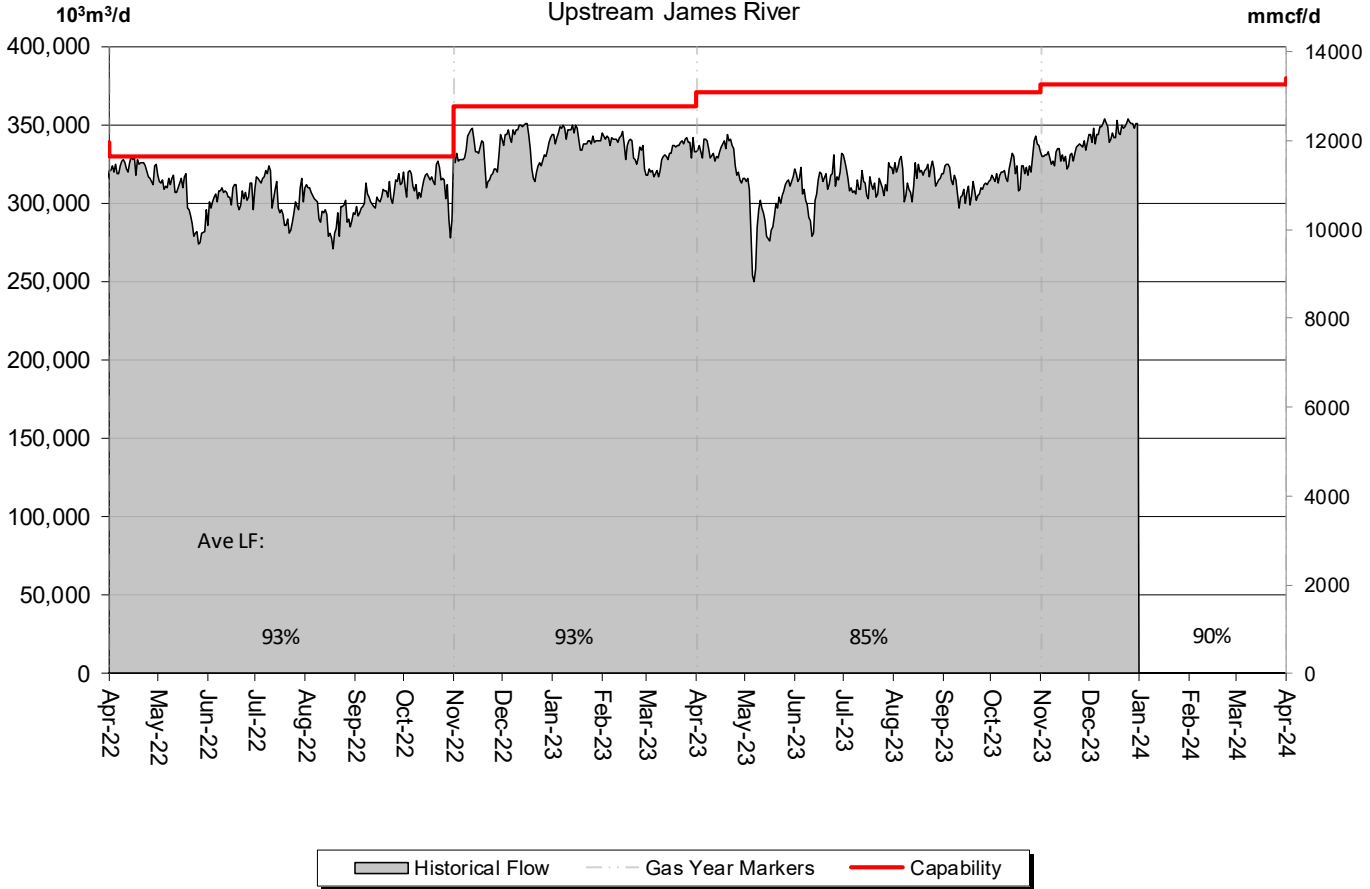
% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	82%	84%	82%	82%	82%	82%

# DESIGN CAPABILITY UTILIZATION UPSTREAM JAMES RIVER

(Edson Mainline, Peace River Design and Marten Hills)



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



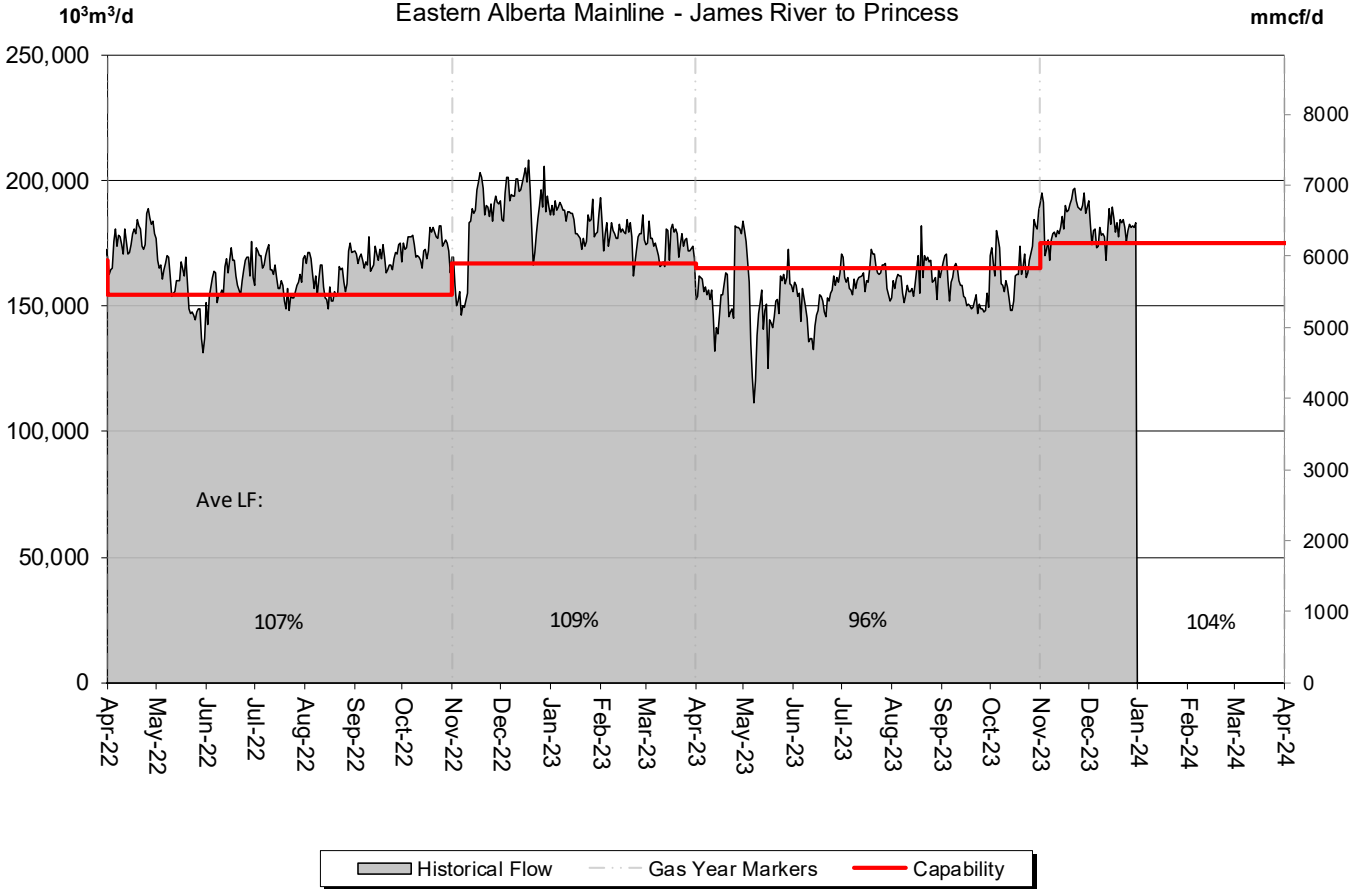
% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	85%	86%	84%	84%	84%	84%

# 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/	Jul	Aug	Sep	Oct	Nov	Dec
	98%	98%	95%	95%	95%	95%



# DESIGN CAPABILITY UTILIZATION

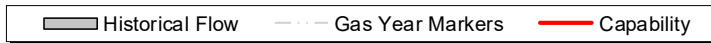
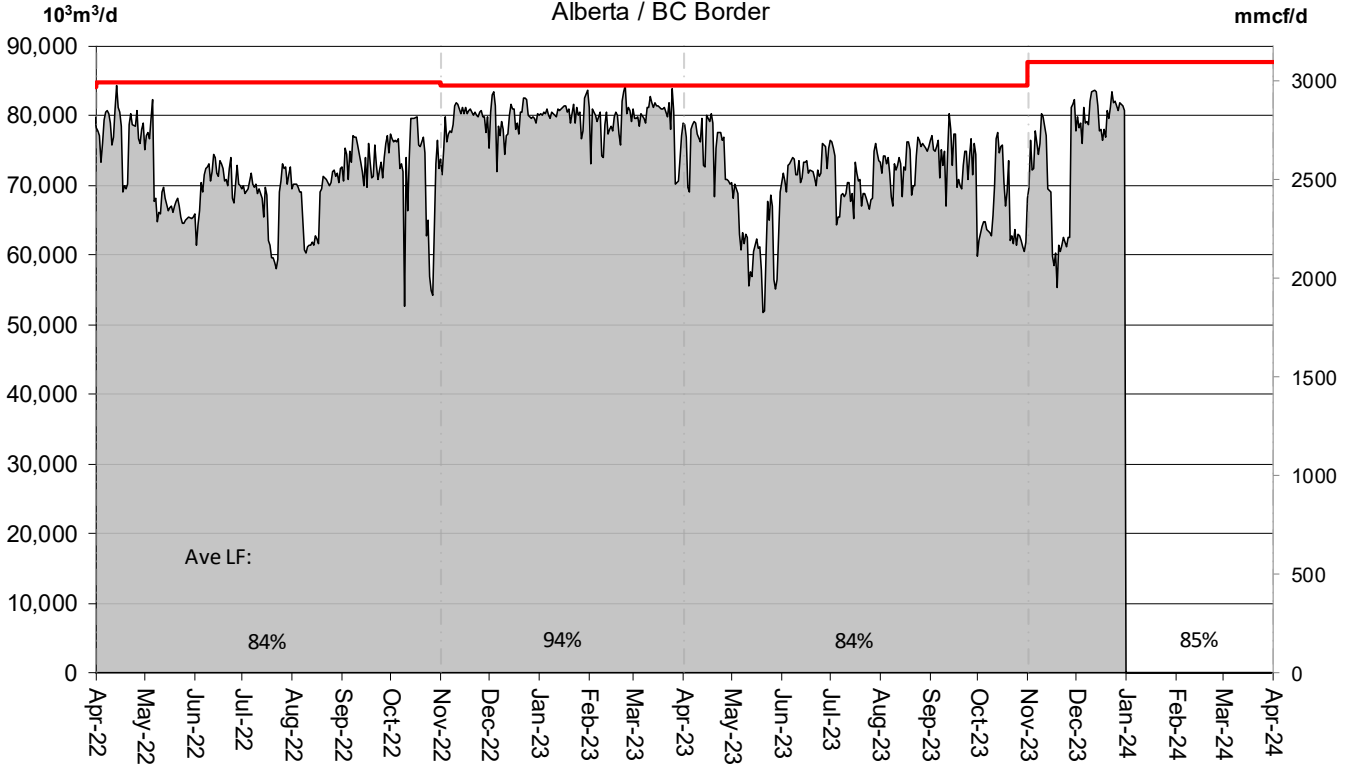
## ALBERTA / BC BORDER

(Alberta/B.C. Border)



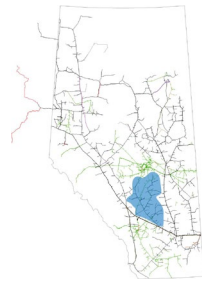
### Throughput vs. Design Capability

Alberta / BC Border

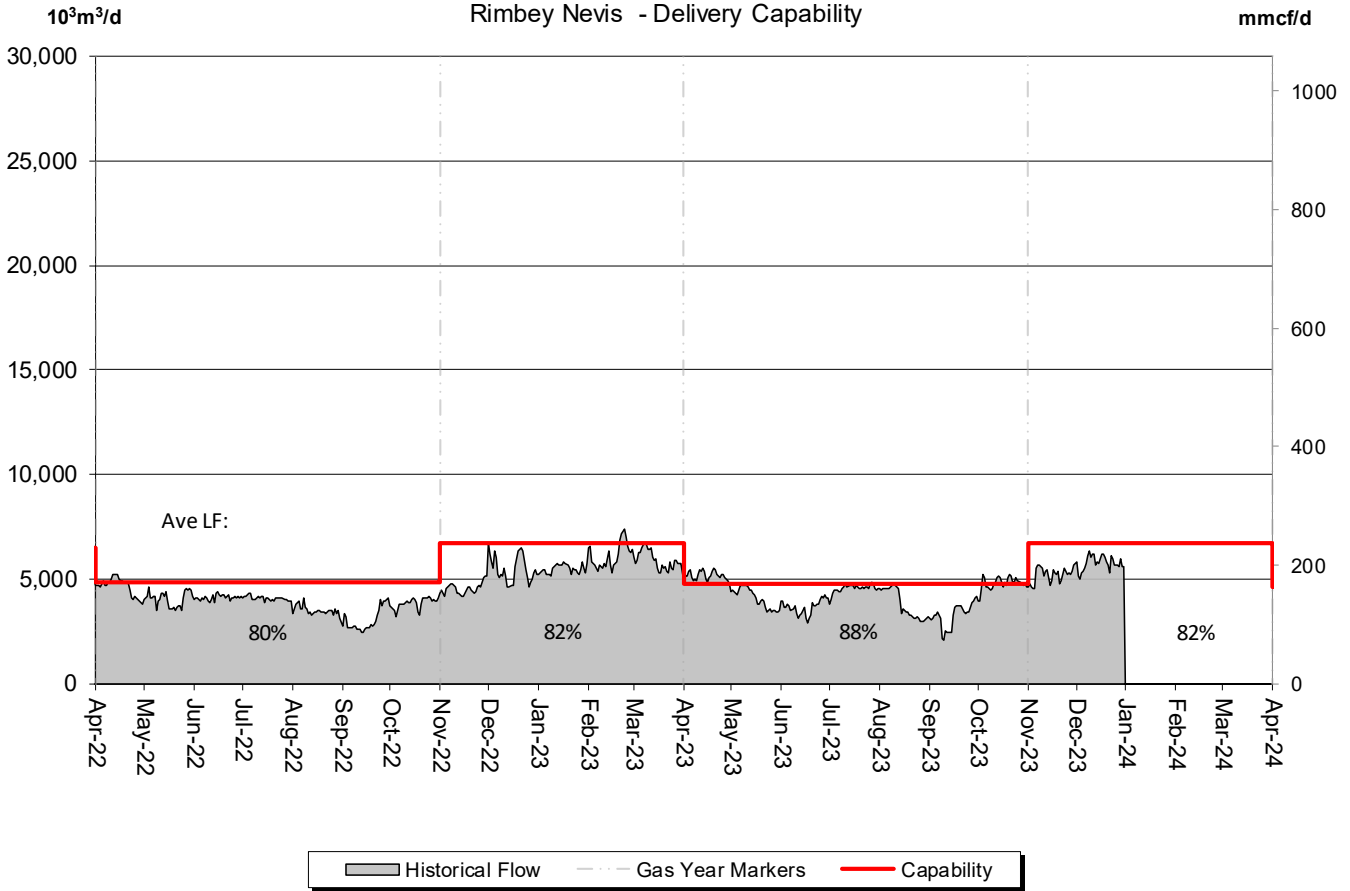


% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	83%	87%	88%	88%	88%	88%

# DESIGN CAPABILITY UTILIZATION RIMBEY-NEVIS – FLOW WITHIN



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



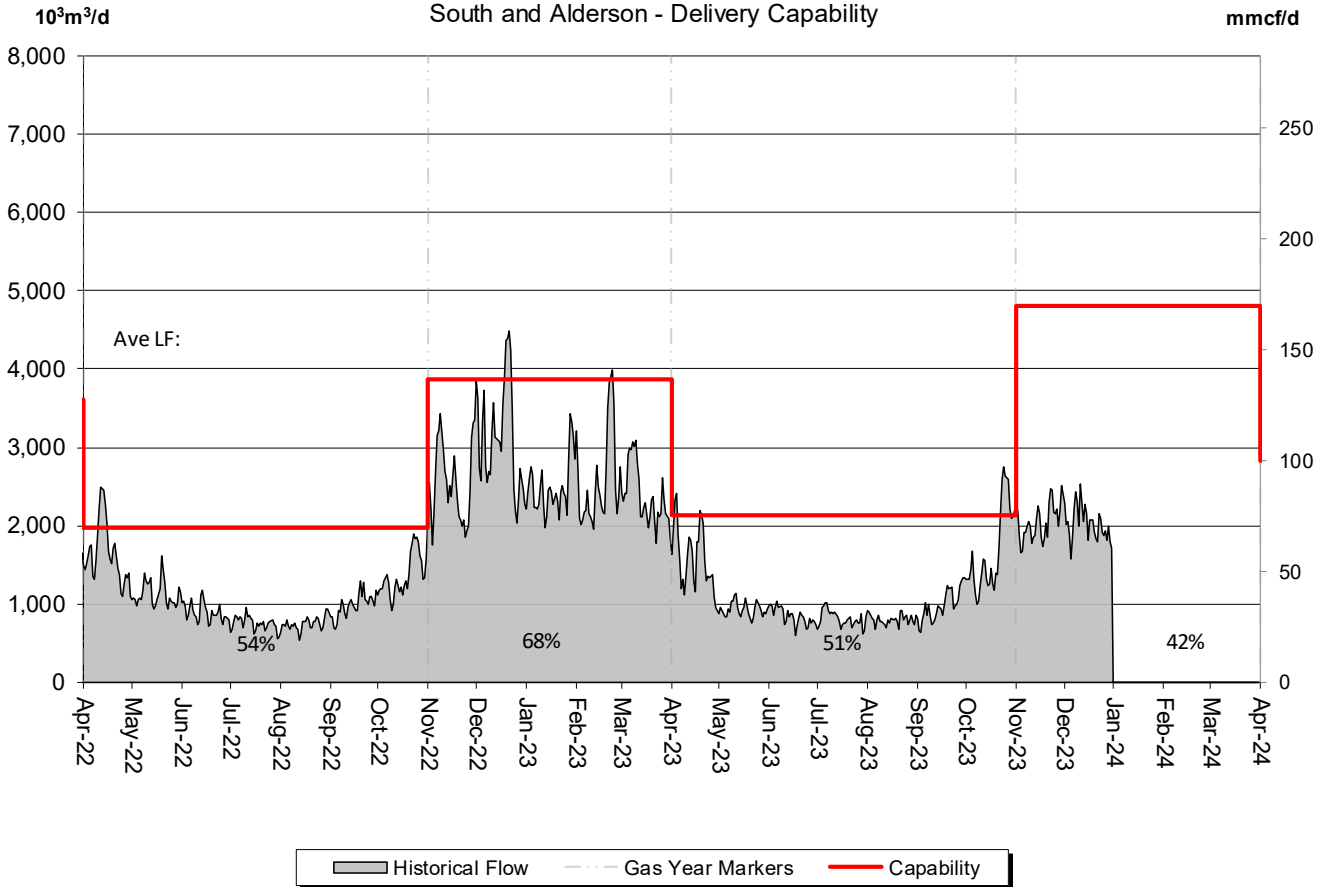
% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	95%	80%	68%	68%	68%	68%

# DESIGN CAPABILITY UTILIZATION SOUTH and ALDERSON – FLOW WITHIN



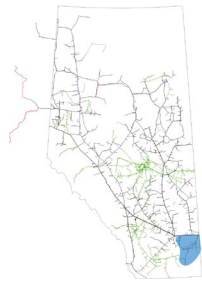
## Total Deliveries vs. Design Capability

South and Alderson - Delivery Capability



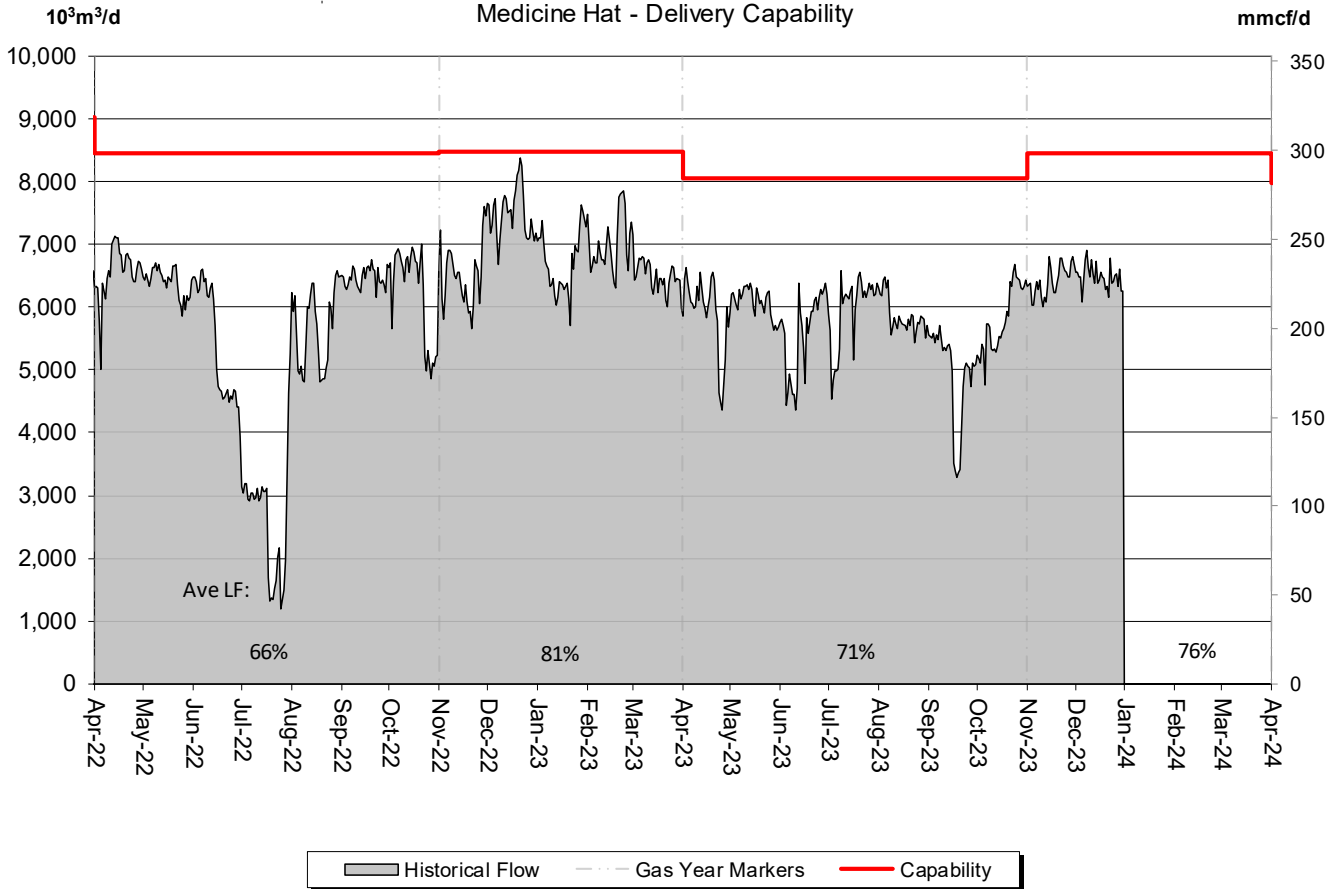
% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	38%	38%	46%	46%	46%	46%

# DESIGN CAPABILITY UTILIZATION MEDICINE HAT – FLOW WITHIN



## Total Deliveries vs. Design Capability

Medicine Hat - Delivery Capability



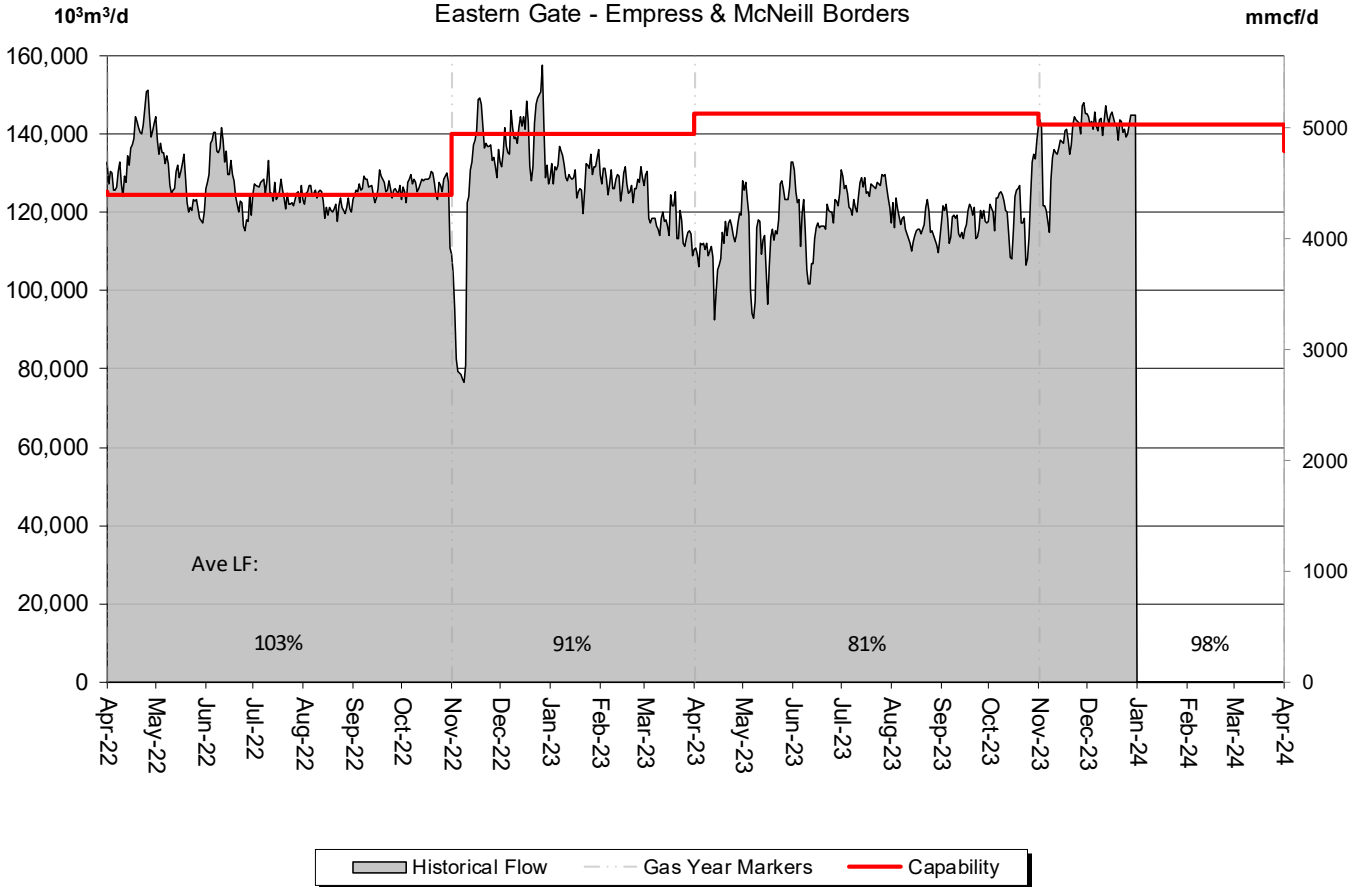
% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	74%	73%	62%	62%	62%	62%

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



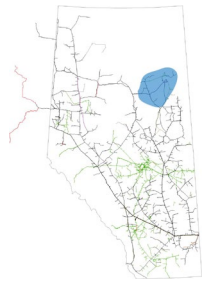
## Throughput vs. Design Capability

Eastern Gate - Empress & McNeill Borders



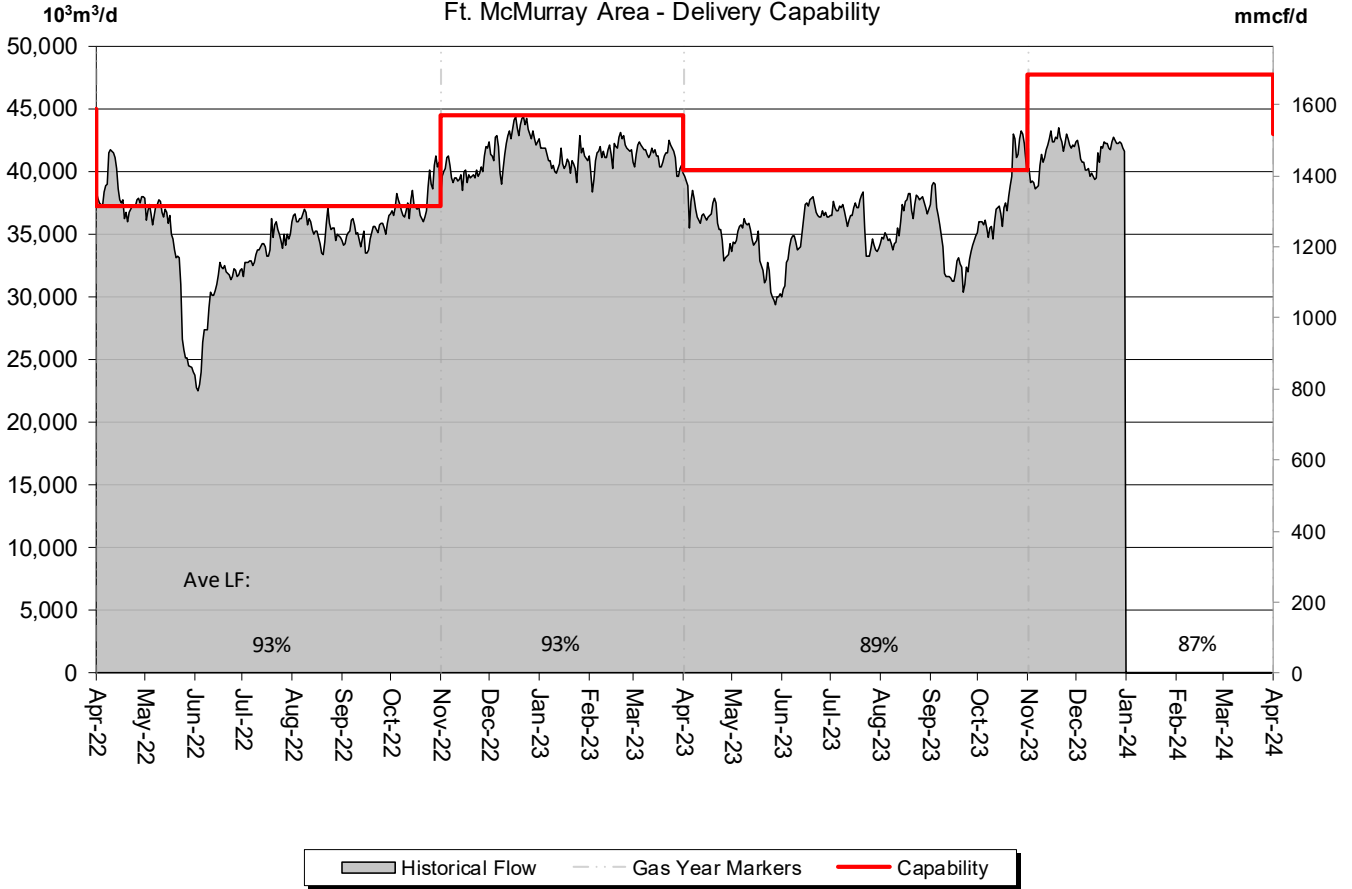
% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	87%	80%	81%	81%	81%	81%

# DESIGN CAPABILITY UTILIZATION FT. McMURRAY AREA – FLOW WITHIN



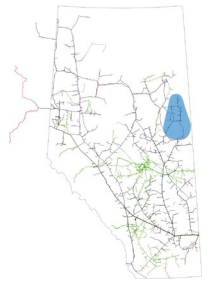
## Total Deliveries vs. Design Capability

Ft. McMurray Area - Delivery Capability



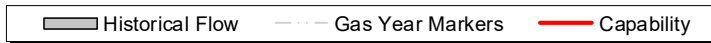
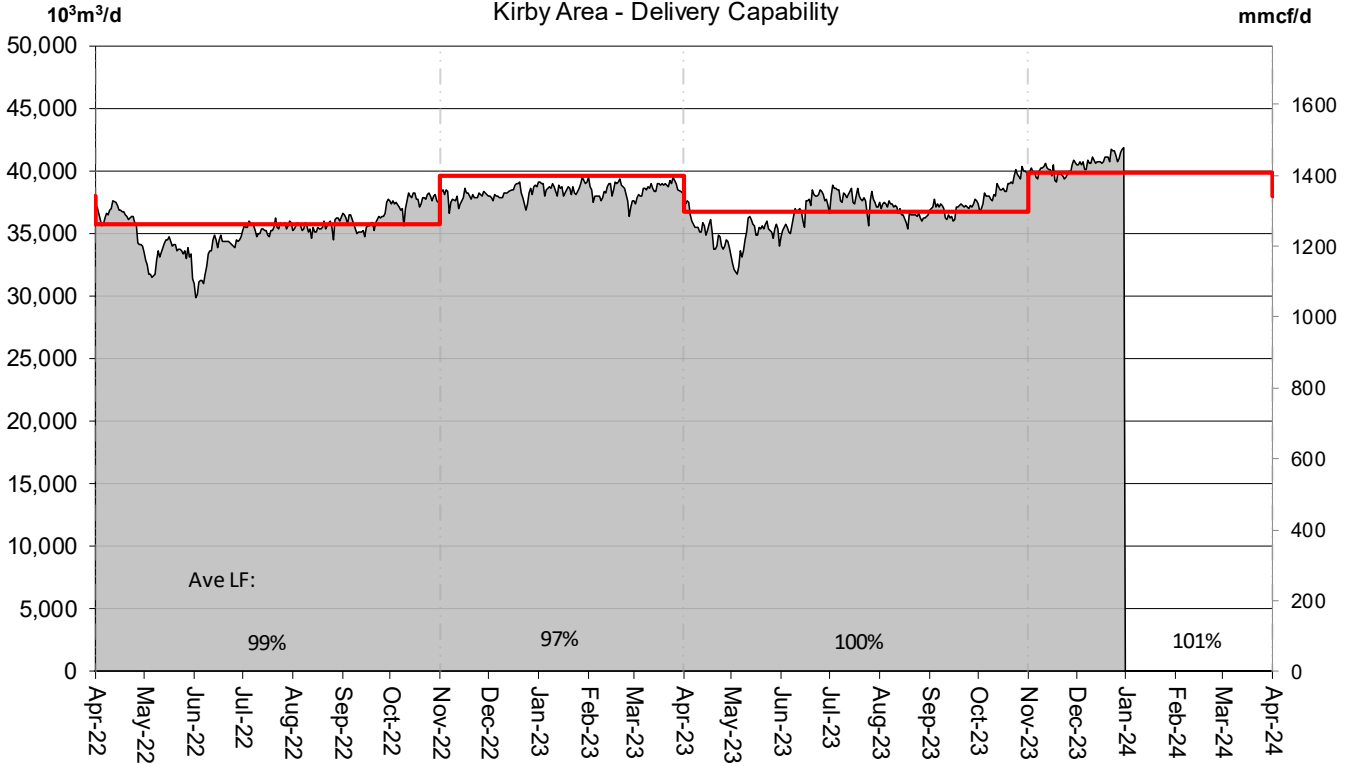
% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	90%	90%	84%	84%	84%	84%

# DESIGN CAPABILITY UTILIZATION KIRBY AREA – FLOW WITHIN



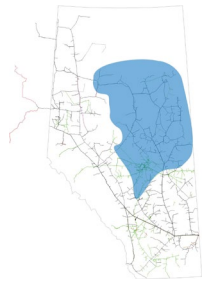
## Total Deliveries vs. Design Capability

Kirby Area - Delivery Capability

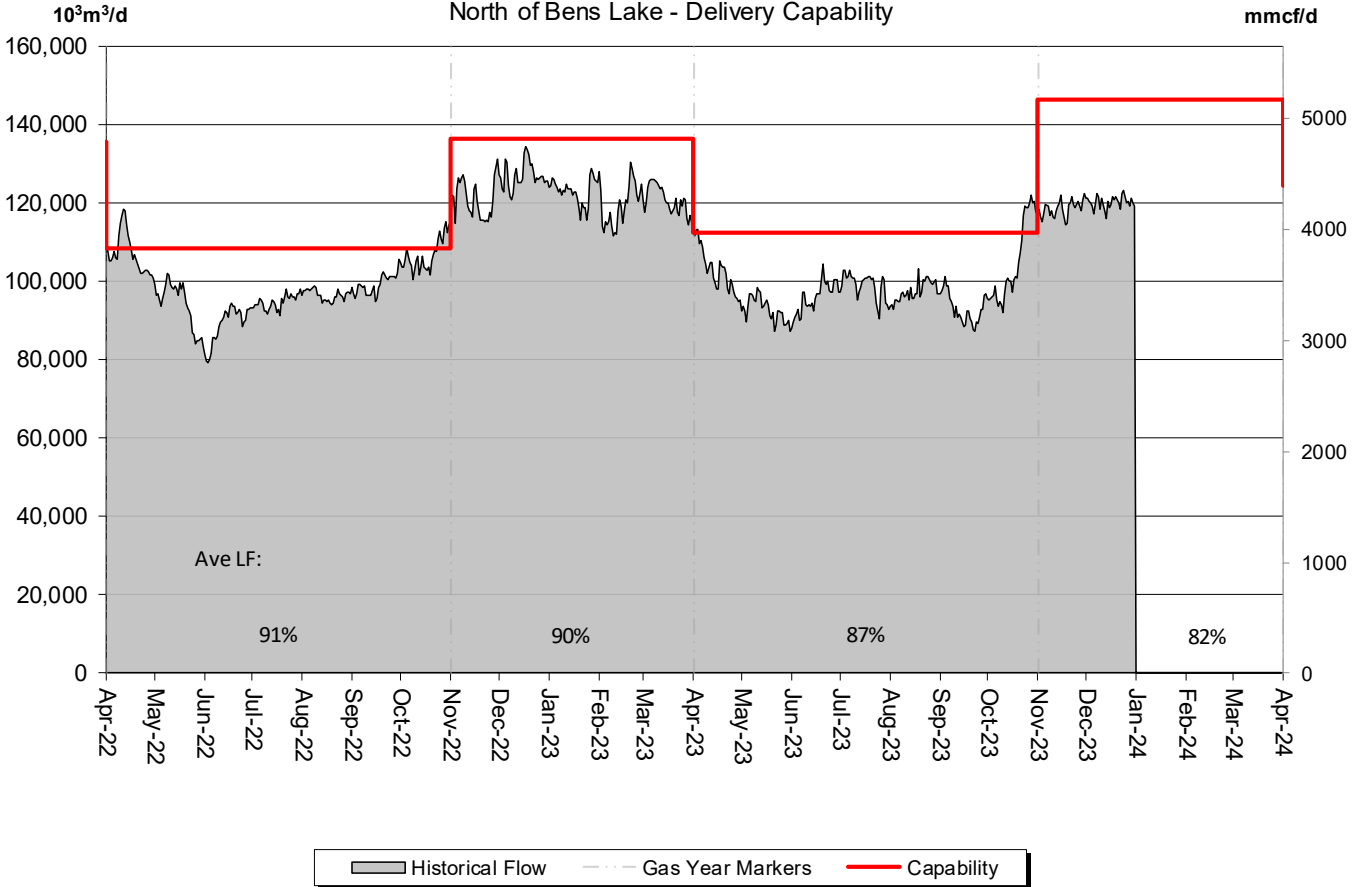


% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	103%	100%	101%	101%	101%	101%

# DESIGN CAPABILITY UTILIZATION NORTH OF BENS LAKE – FLOW WITHIN



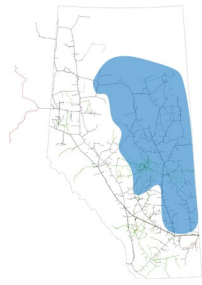
**Total Deliveries vs. Design Capability**  
North of Bens Lake - Delivery Capability



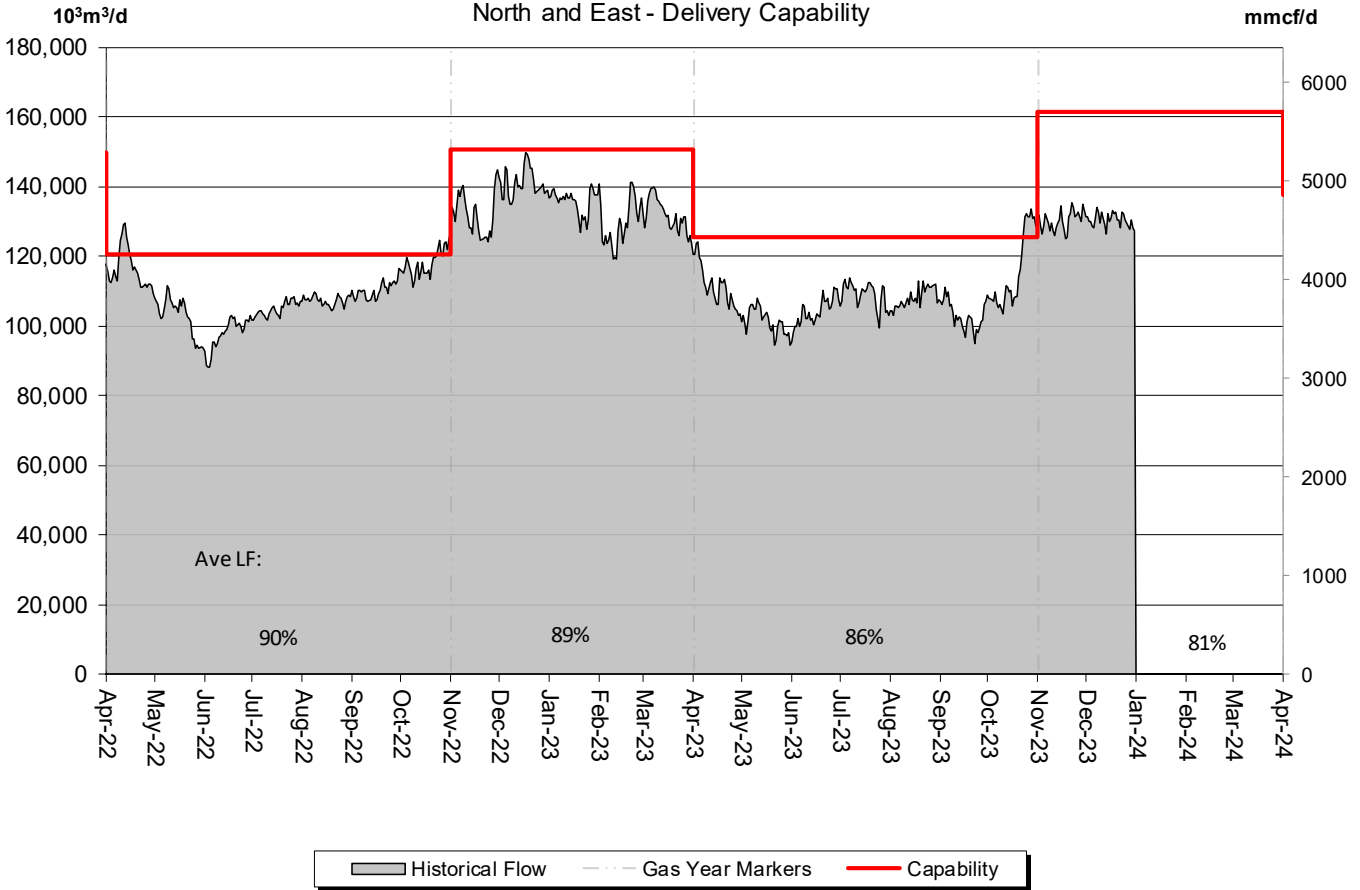
% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	88%	87%	83%	83%	83%	83%



# DESIGN CAPABILITY UTILIZATION NORTH and EAST – FLOW WITHIN



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



% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	87%	86%	82%	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.

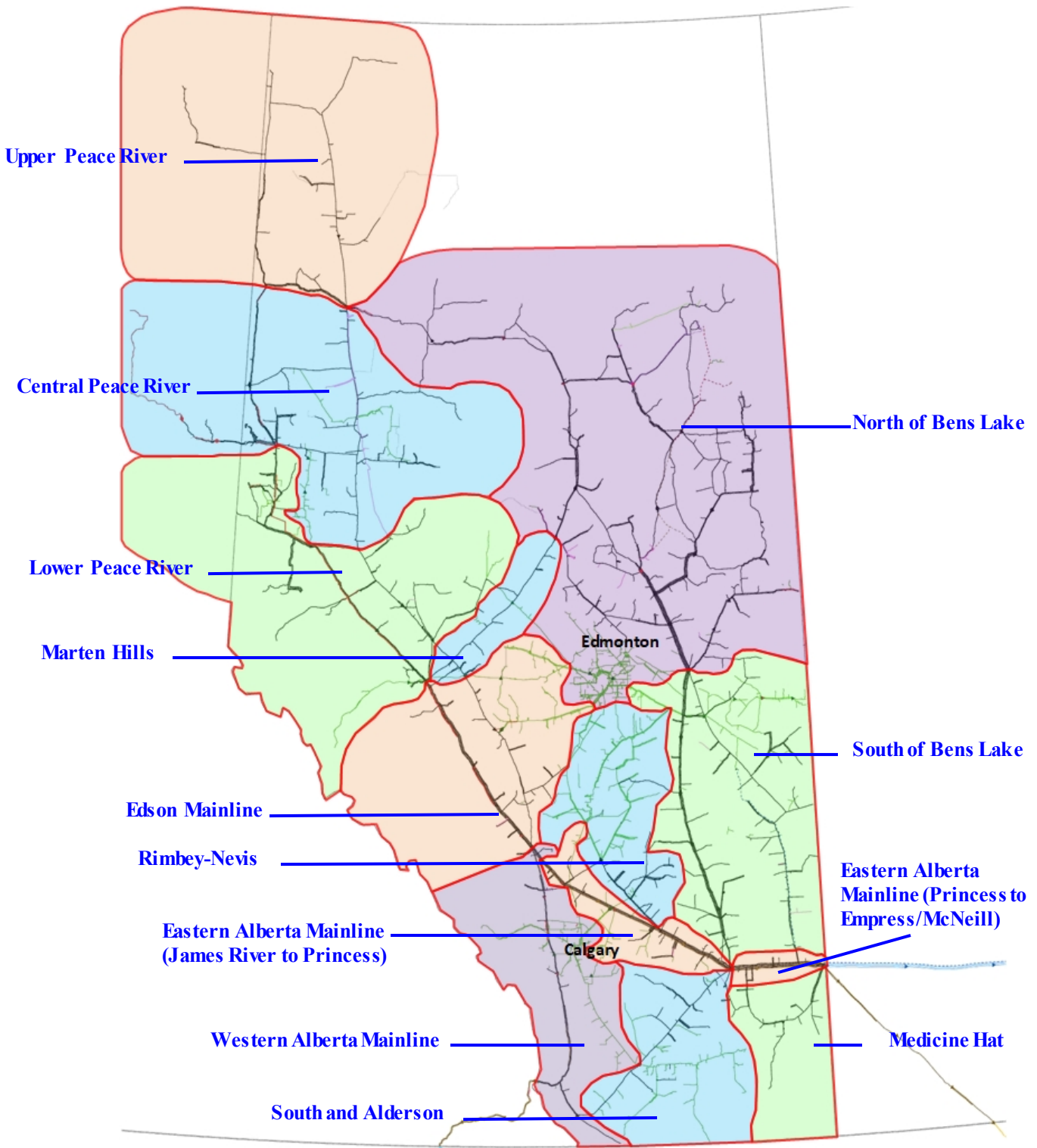
Design Flow Capability utilization is a function of several factors that include:

- 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)



# 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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