

SYSTEM UTILIZATION MONTHLY REPORT

for the month ending

December 2022

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

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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.

FIRM TRANSPORTATION SERVICE¹ CONTRACT UTILIZATION³

By NGTL Pipeline Segments

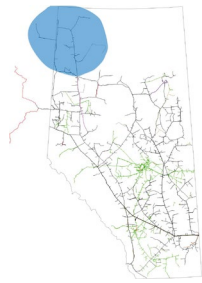
December 2022

Segment	Contract	Delivery		Receipt	
		Utilization	Dec CD (TJ/d)	Utilization	Dec CD (MMcf/d)
UPRM	FT	0%	0.0	96%	77
	FT + IT ²	0%		96%	
PRLL	FT	75%	27.1	77%	246
	FT + IT	109%		78%	
NWML	FT	0%	0.0	73%	151
	FT + IT	0%		73%	
GRDL	FT	0%	0.0	79%	5,269
	FT + IT	0%		80%	
WAEX	FT	75%	25.1	70%	1,082
	FT + IT	106%		70%	
JUDY	FT	82%	19.6	80%	27
	FT + IT	112%		99%	
GPML	FT	62%	225.6	76%	5,431
	FT + IT	91%		76%	
CENT	FT	43%	10.4	65%	2,395
	FT + IT	184%		65%	
LPOL	FT	62%	375.0	88%	876
	FT + IT	92%		94%	
WGAT	FT	91%	4,409.3	97%	204
	FT + IT	93%		115%	
ALEG	FT	63%	374.6	90%	424
	FT + IT	66%		119%	
SLAT	FT	56%	190.4	98%	71
	FT + IT	58%		138%	
MLAT	FT	96%	292.4	90%	71
	FT + IT	99%		104%	
BLEG	FT	69%	150.7	94%	370
	FT + IT	70%		109%	
EGAT	FT	97%	5,077.7	97%	3
	FT + IT	107%		262%	
MRTN	FT	72%	25.1	77%	40
	FT + IT	83%		141%	
LIEG	FT	82%	2,087.3	60%	16
	FT + IT	85%		91%	
KIRB	FT	92%	1,665.3	41%	7
	FT + IT	94%		240%	
REDL	FT	46%	17.9	72%	7
	FT + IT	46%		141%	
COLD	FT	81%	289.8	67%	4
	FT + IT	82%		205%	
EDM	FT	71%	1,862.2	96%	25
	FT + IT	73%		156%	
NLAT	FT	86%	286.7	90%	82
	FT + IT	86%		106%	
WAIN	FT	69%	0.3	79%	2
	FT + IT	185%		153%	
ELAT	FT	87%	324.9	84%	59
	FT + IT	87%		127%	
TOTAL SYSTEM	FT	87%	17,737.3	77%	16,940
	FT + IT	93%		80%	

***NOTE:**

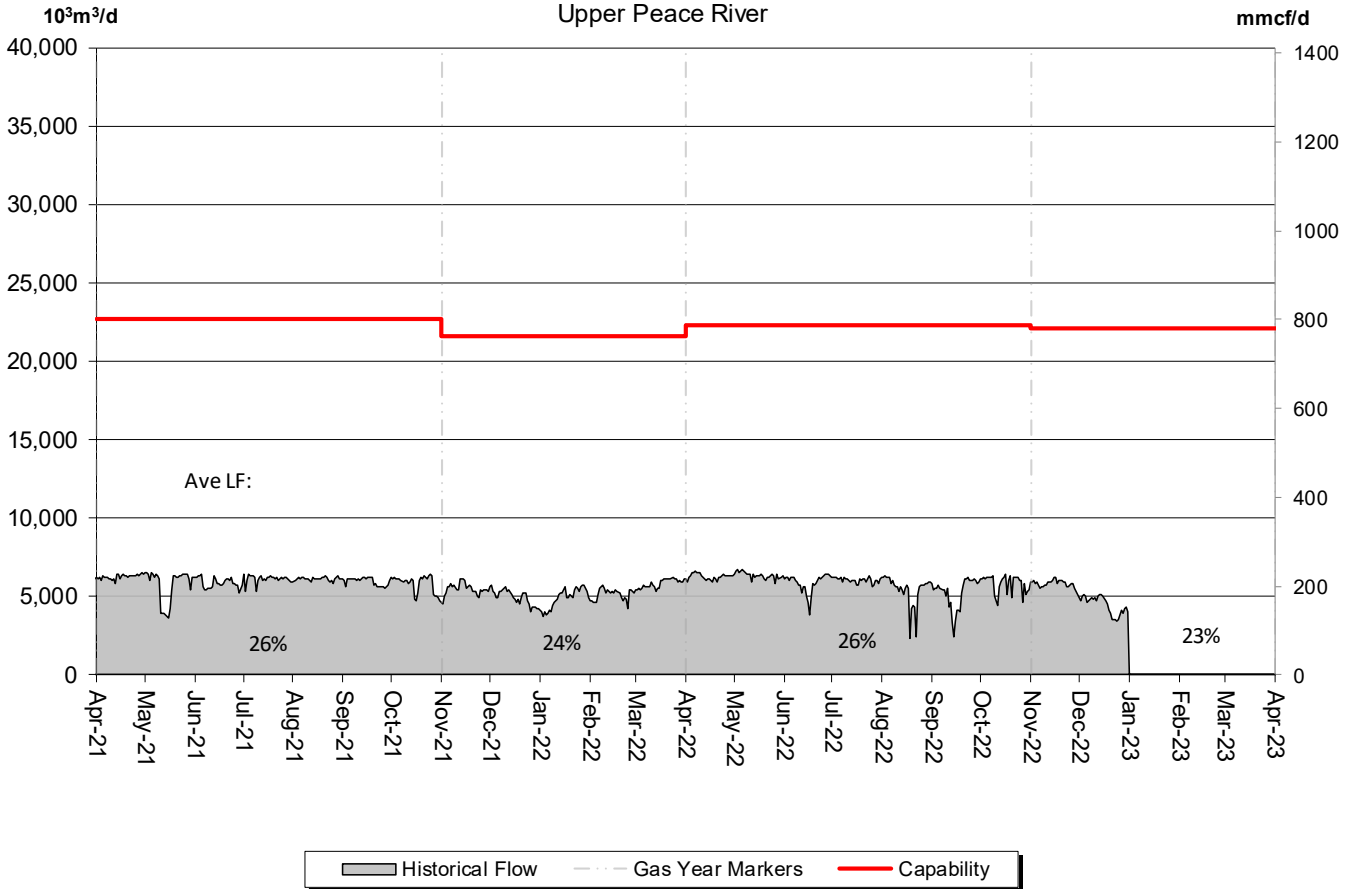
1. FT includes all receipt and delivery Firm Transportation Services.
2. IT includes receipt and delivery Interruptible Services.
3. Utilization data is based on billed monthly volumes. Percent utilization calculated as FT and FT + IT billed volumes divided by applicable receipt or delivery Contract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

DESIGN CAPABILITY UTILIZATION UPPER PEACE RIVER



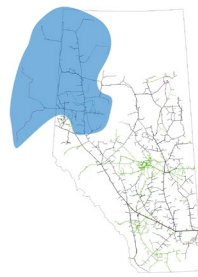
Throughput vs. Design Capability

Upper Peace River

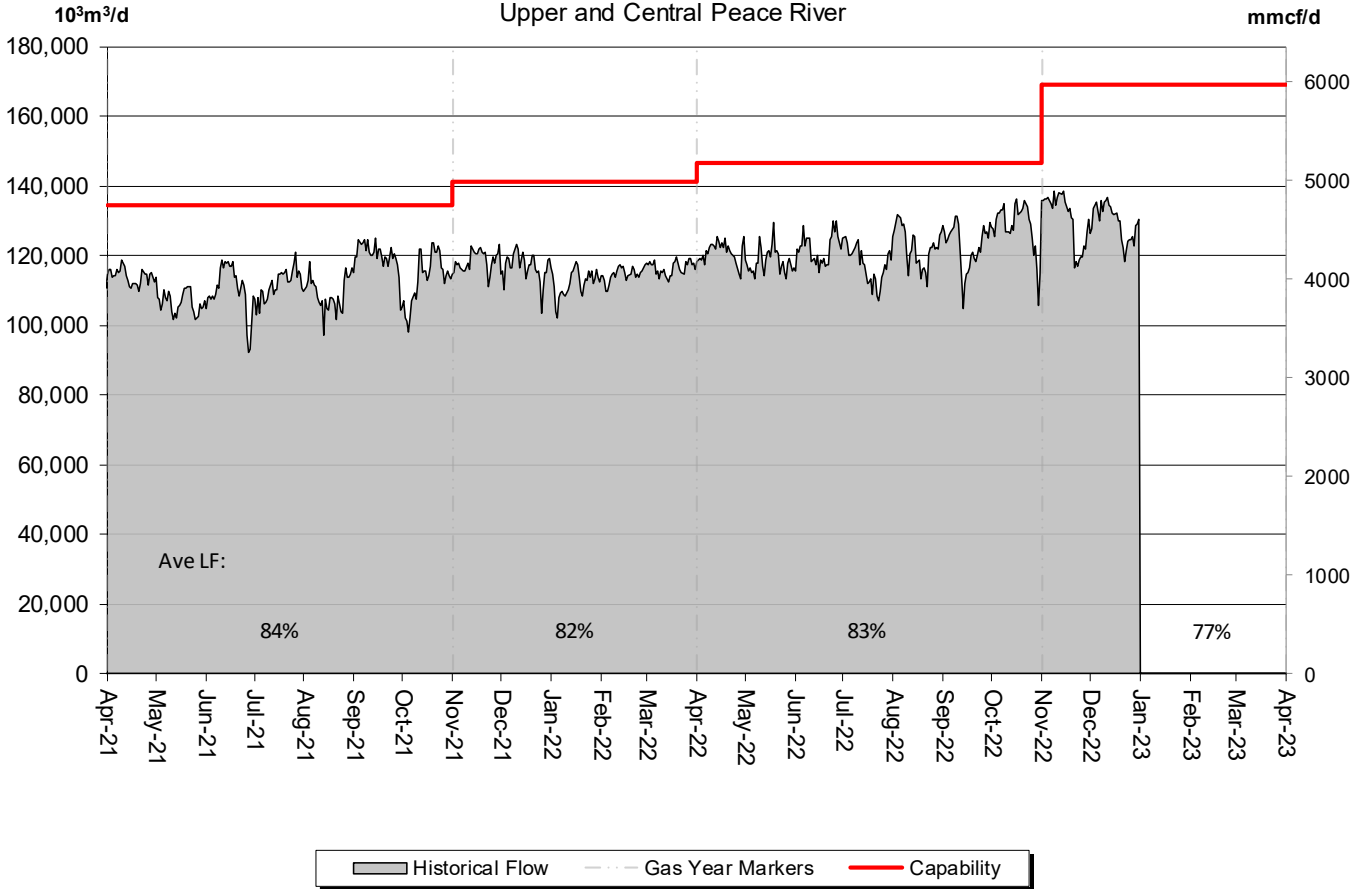


% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	27%	24%	23%	26%	26%	20%

DESIGN CAPABILITY UTILIZATION UPPER and CENTRAL PEACE RIVER



Throughput vs. Design Capability
Upper and Central Peace River

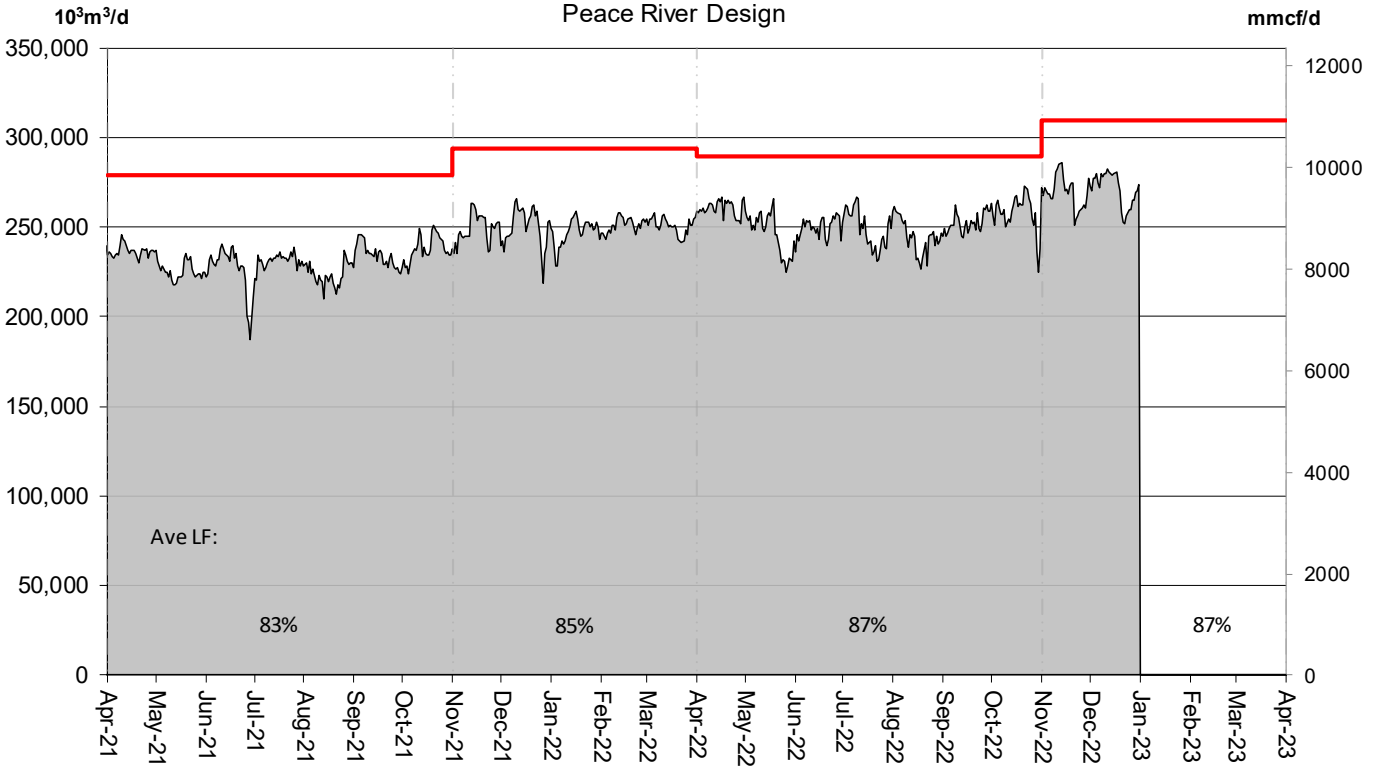


% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	80%	83%	84%	88%	77%	77%

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



Throughput vs. Design Capability
Peace River Design

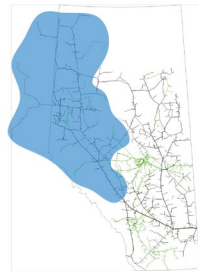


Historical Flow
 Gas Year Markers
 Capability

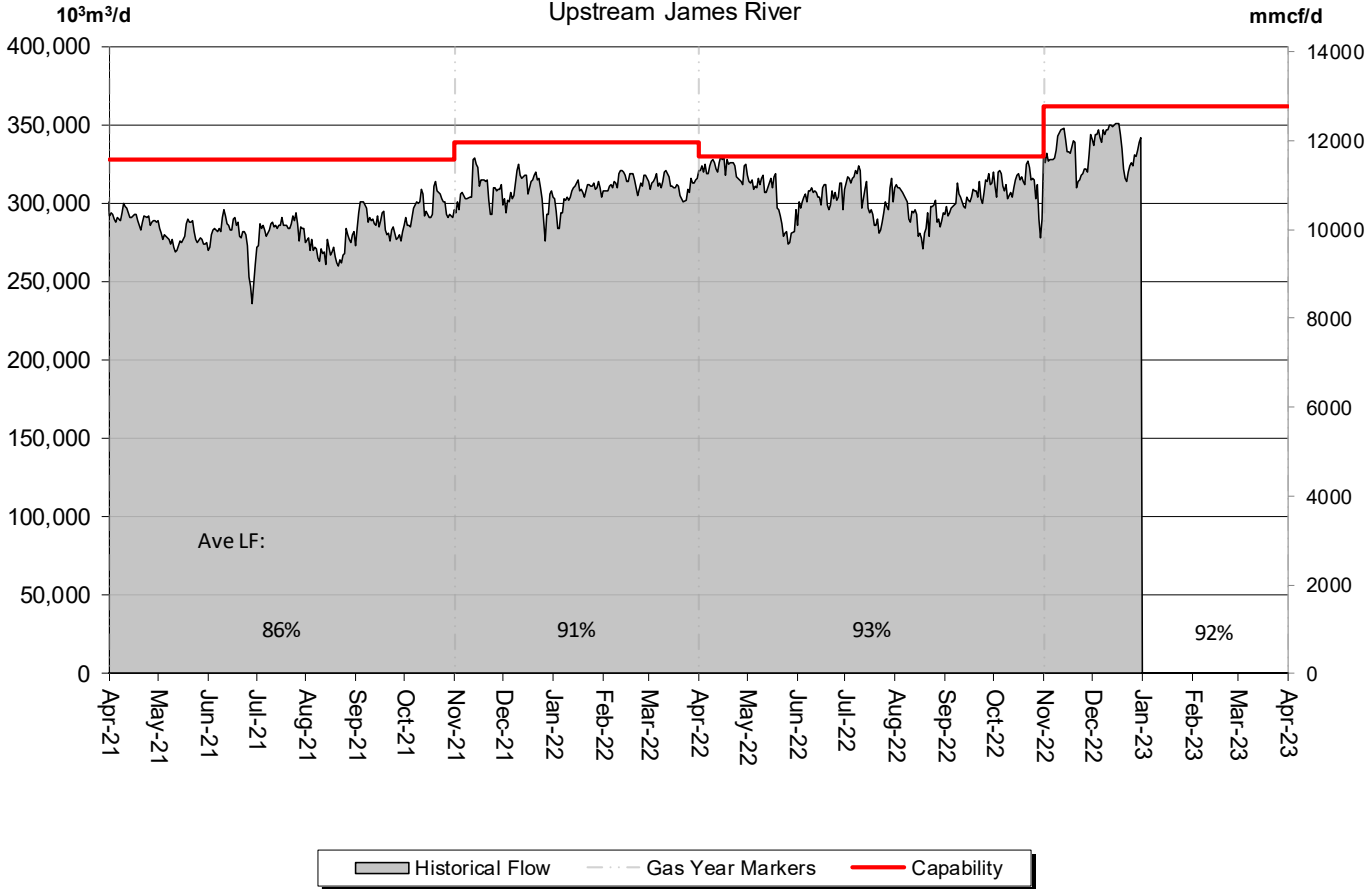
% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	86%	85%	87%	89%	87%	88%

DESIGN CAPABILITY UTILIZATION UPSTREAM JAMES RIVER

(Edson Mainline, Peace River Design and Marten Hills)

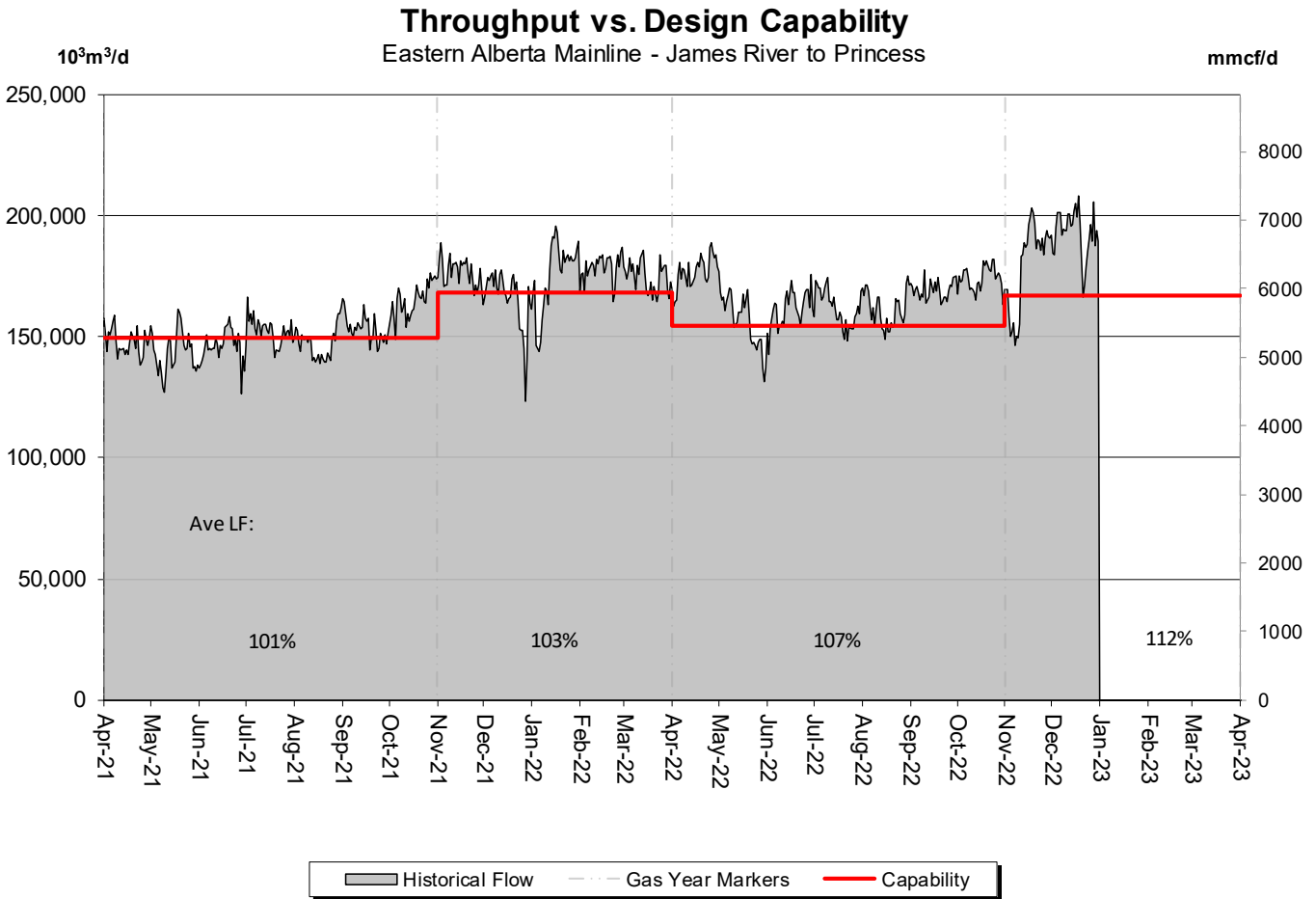


Throughput vs. Design Capability
Upstream James River



% Design Capability Utilization						
Average	Jul	Aug	Sep	Oct	Nov	Dec
Flow/	92%	89%	92%	94%	91%	93%

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



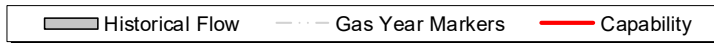
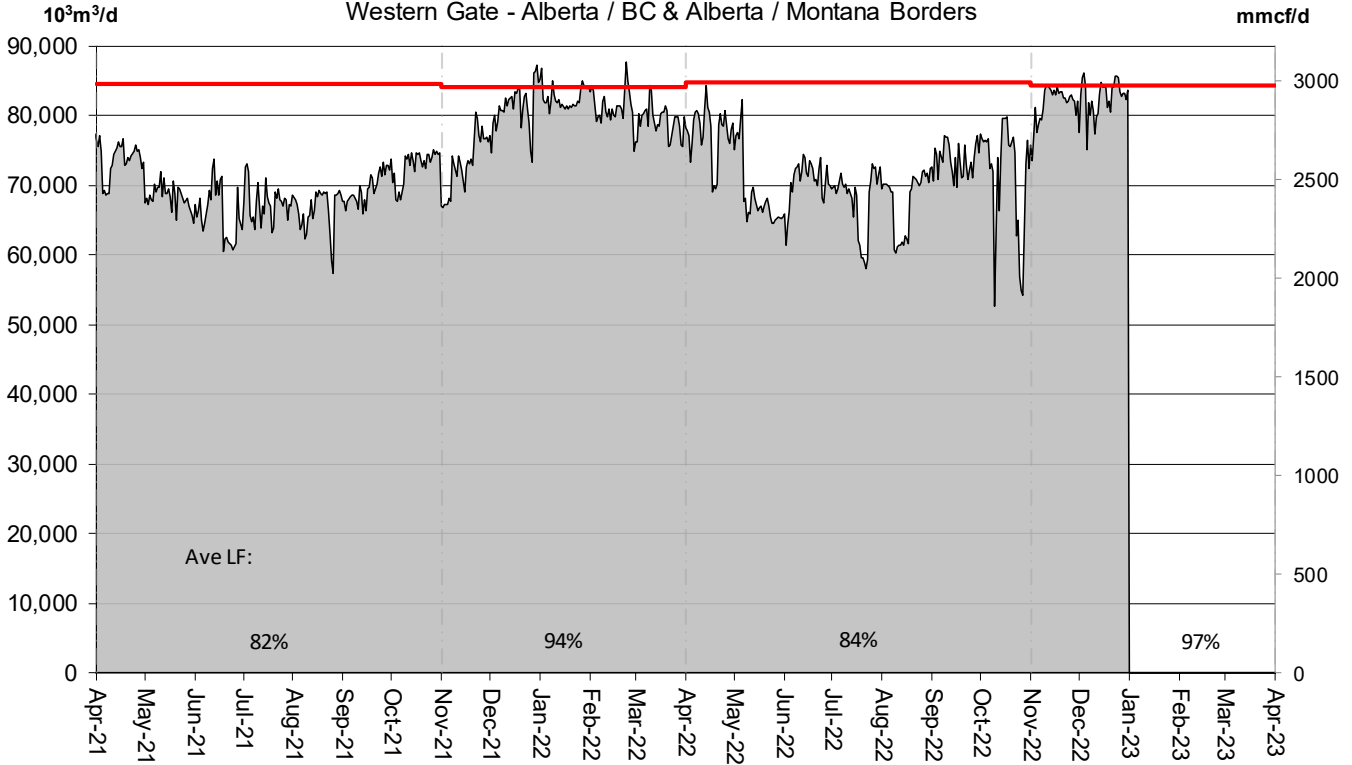
% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	105%	104%	109%	113%	108%	116%

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



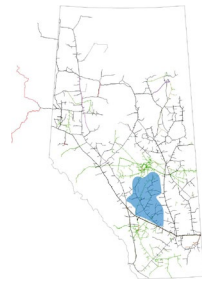
Throughput vs. Design Capability

Western Gate - Alberta / BC & Alberta / Montana Borders

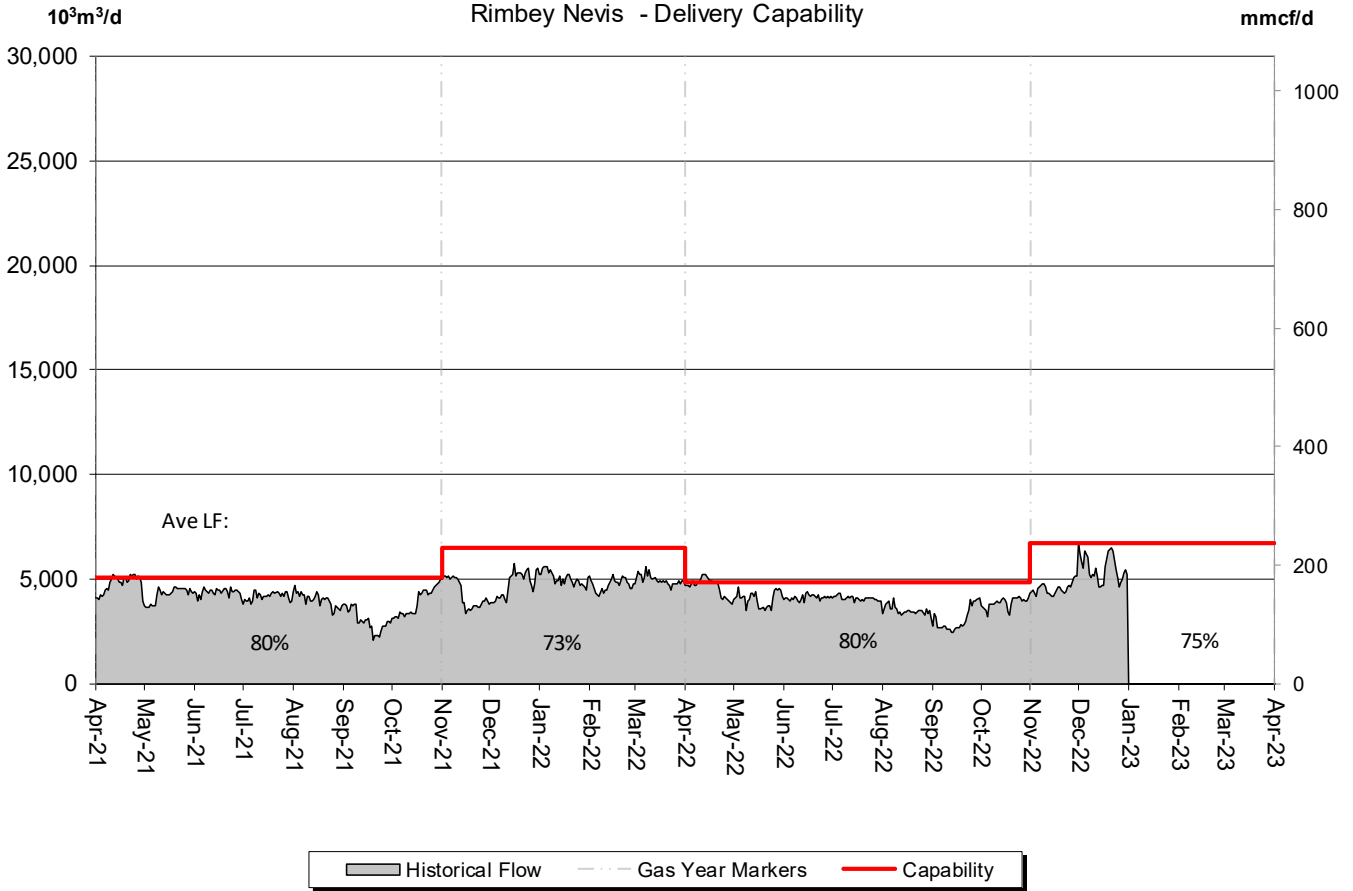


% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	80%	80%	87%	85%	97%	98%

DESIGN CAPABILITY UTILIZATION RIMBEY-NEVIS – FLOW WITHIN



Total Deliveries vs. Design Capability
Rimbey Nevis - Delivery Capability



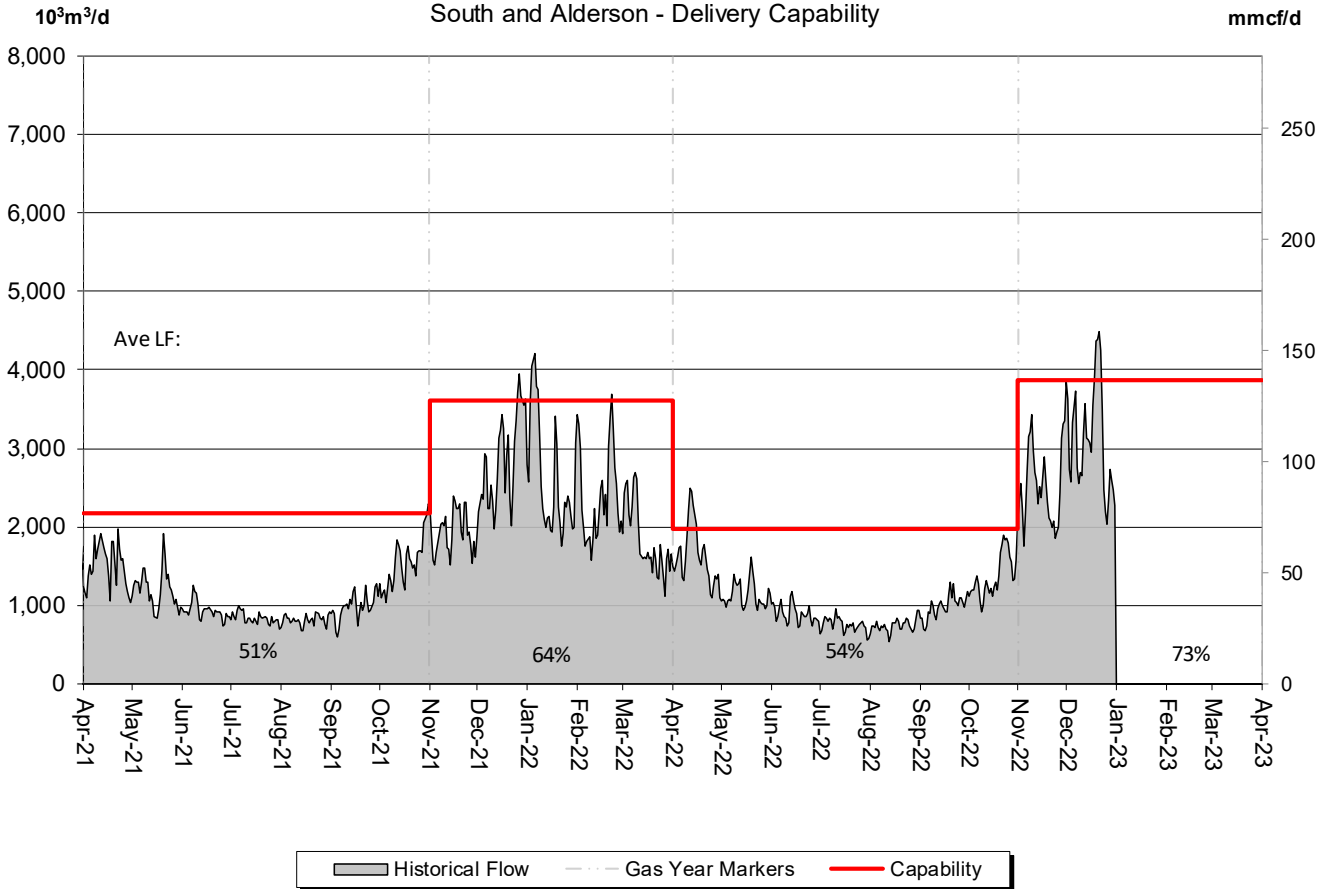
% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	84%	72%	62%	80%	68%	82%

DESIGN CAPABILITY UTILIZATION SOUTH and ALDERSON – FLOW WITHIN



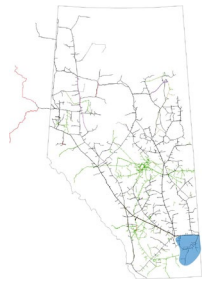
Total Deliveries vs. Design Capability

South and Alderson - Delivery Capability

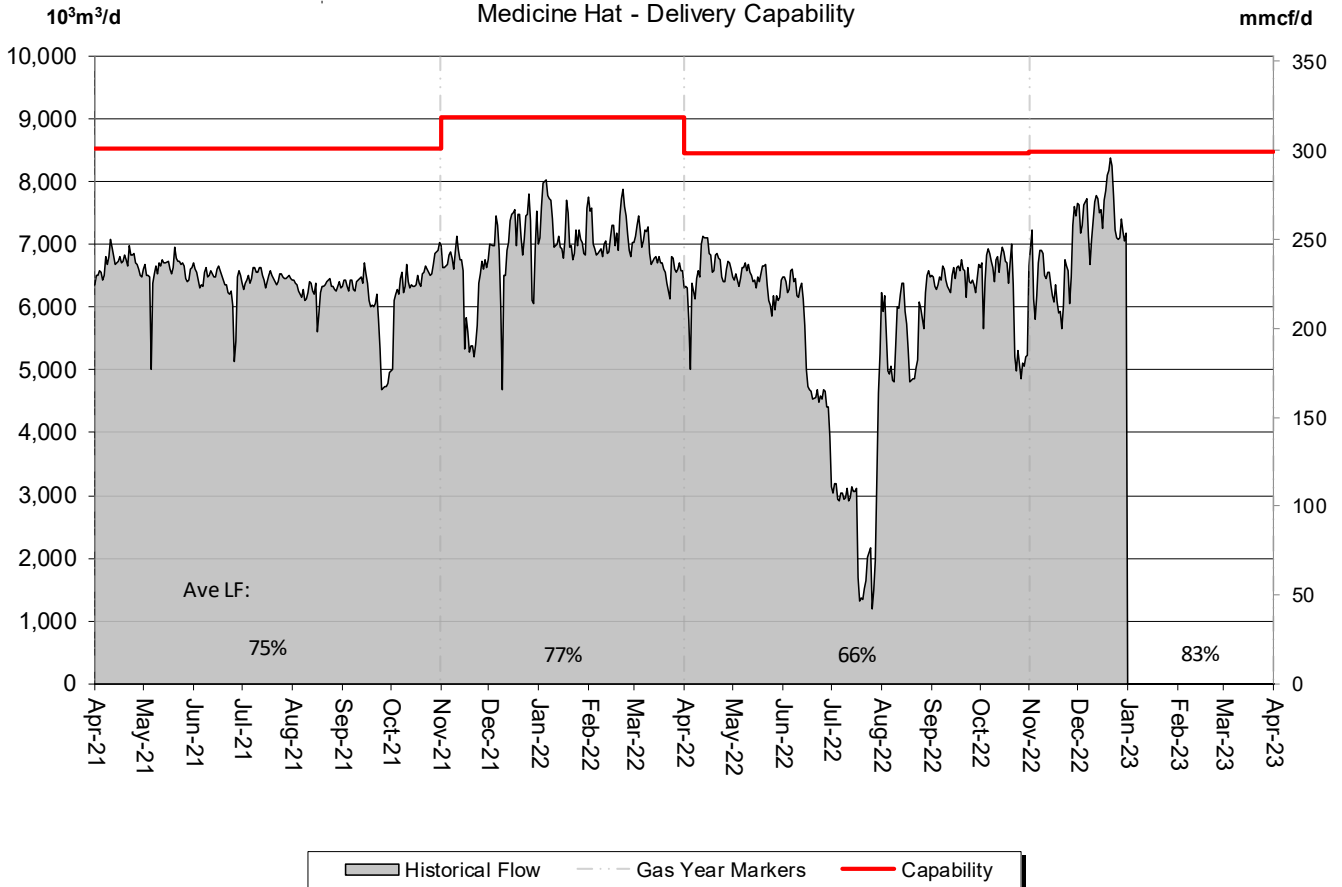


% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	38%	38%	49%	69%	65%	81%

DESIGN CAPABILITY UTILIZATION MEDICINE HAT – FLOW WITHIN



Total Deliveries vs. Design Capability
Medicine Hat - Delivery Capability



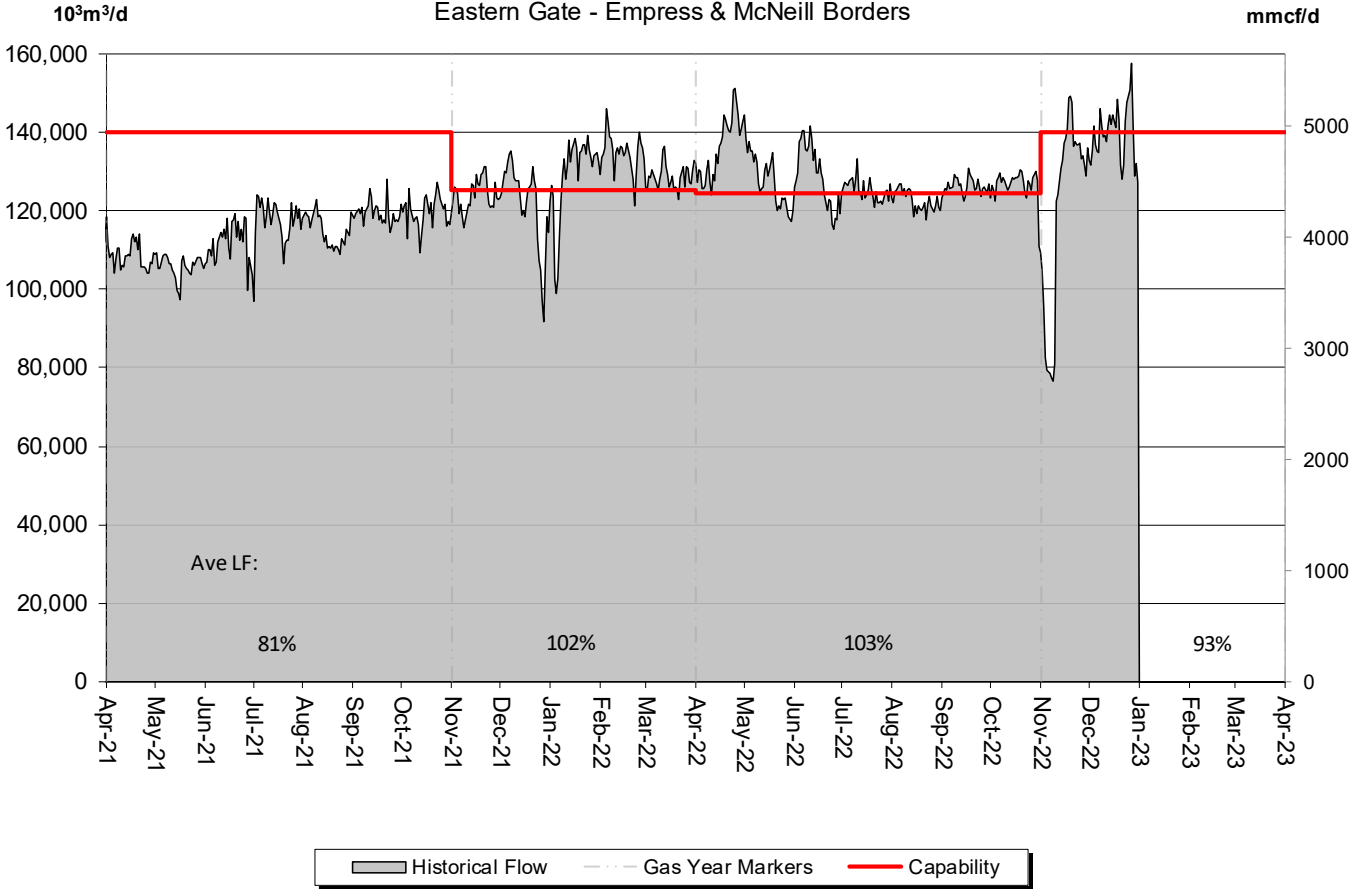
% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	32%	67%	76%	73%	77%	88%

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



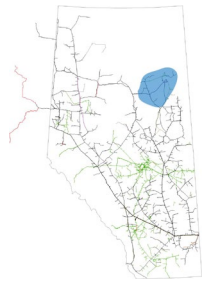
Throughput vs. Design Capability

Eastern Gate - Empress & McNeill Borders



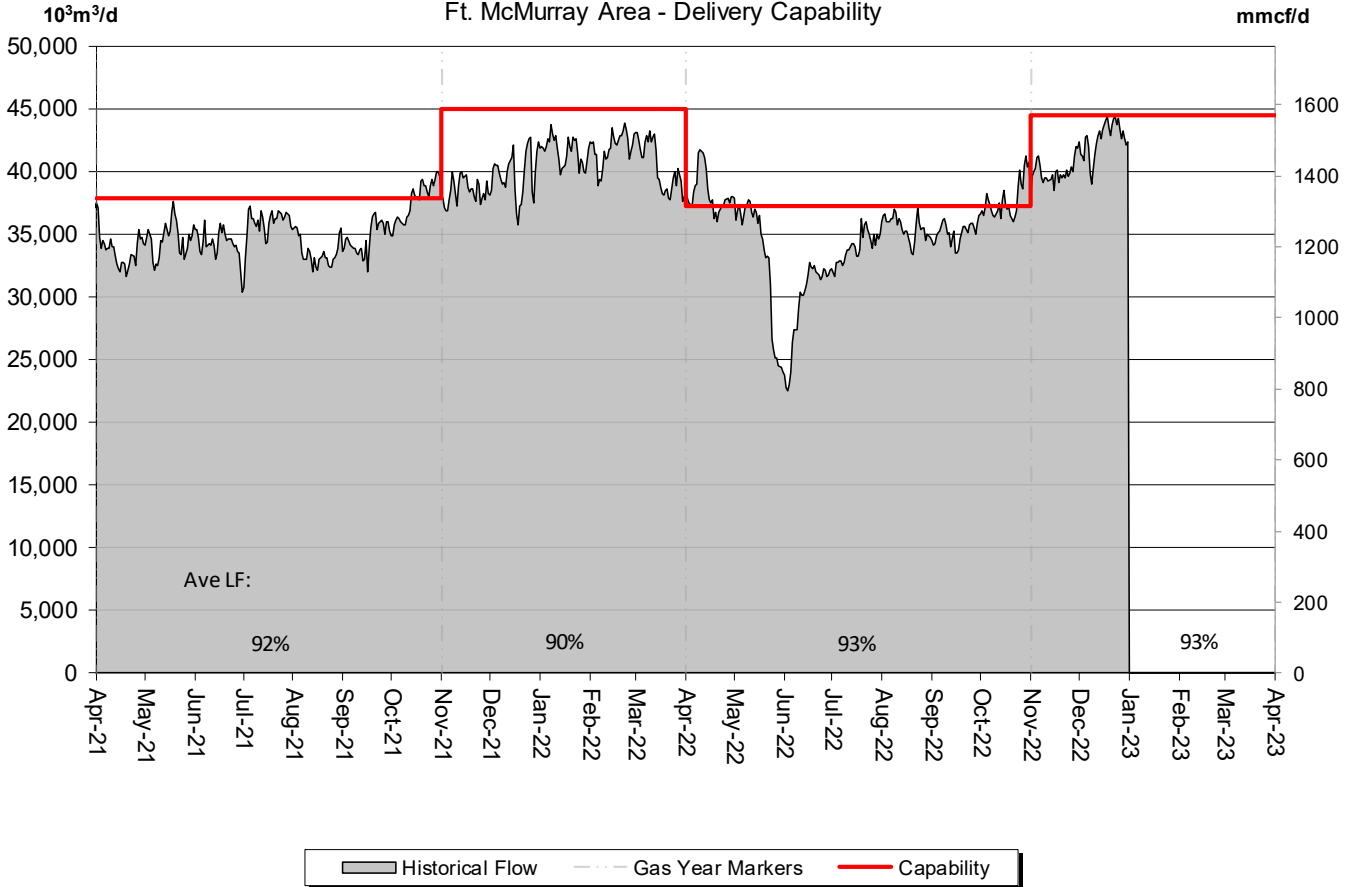
% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	101%	98%	102%	102%	85%	100%

DESIGN CAPABILITY UTILIZATION FT. McMURRAY AREA – FLOW WITHIN



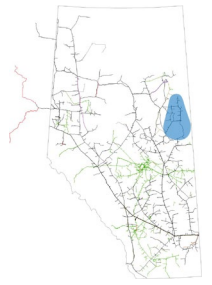
Total Deliveries vs. Design Capability

Ft. McMurray Area - Delivery Capability

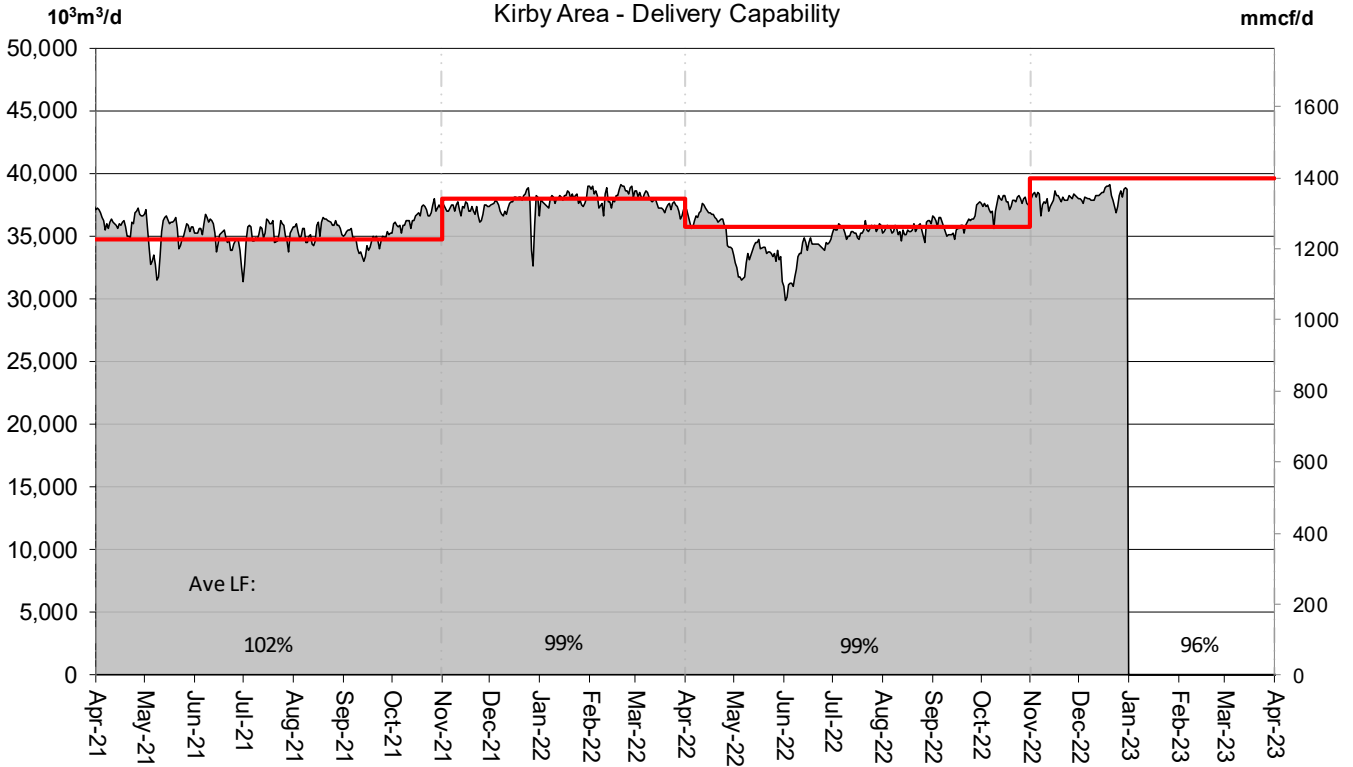


% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	91%	95%	94%	101%	90%	96%

DESIGN CAPABILITY UTILIZATION KIRBY AREA – FLOW WITHIN



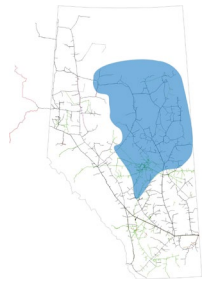
Total Deliveries vs. Design Capability
Kirby Area - Delivery Capability



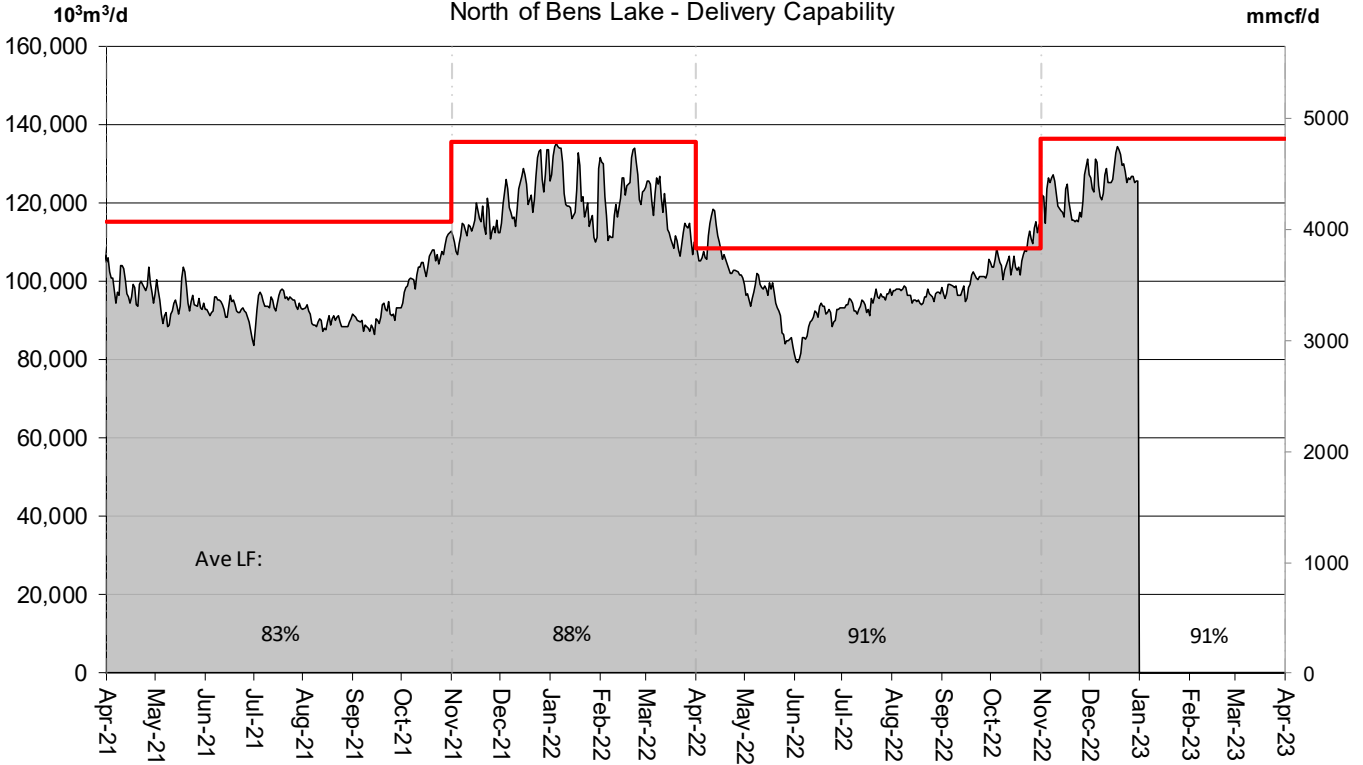
Historical Flow
 Gas Year Markers
 Capability

% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	99%	100%	101%	105%	96%	97%

DESIGN CAPABILITY UTILIZATION NORTH OF BENS LAKE – FLOW WITHIN



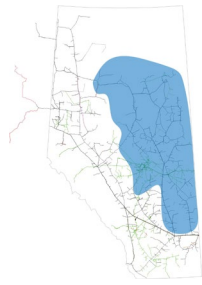
Total Deliveries vs. Design Capability
North of Bens Lake - Delivery Capability



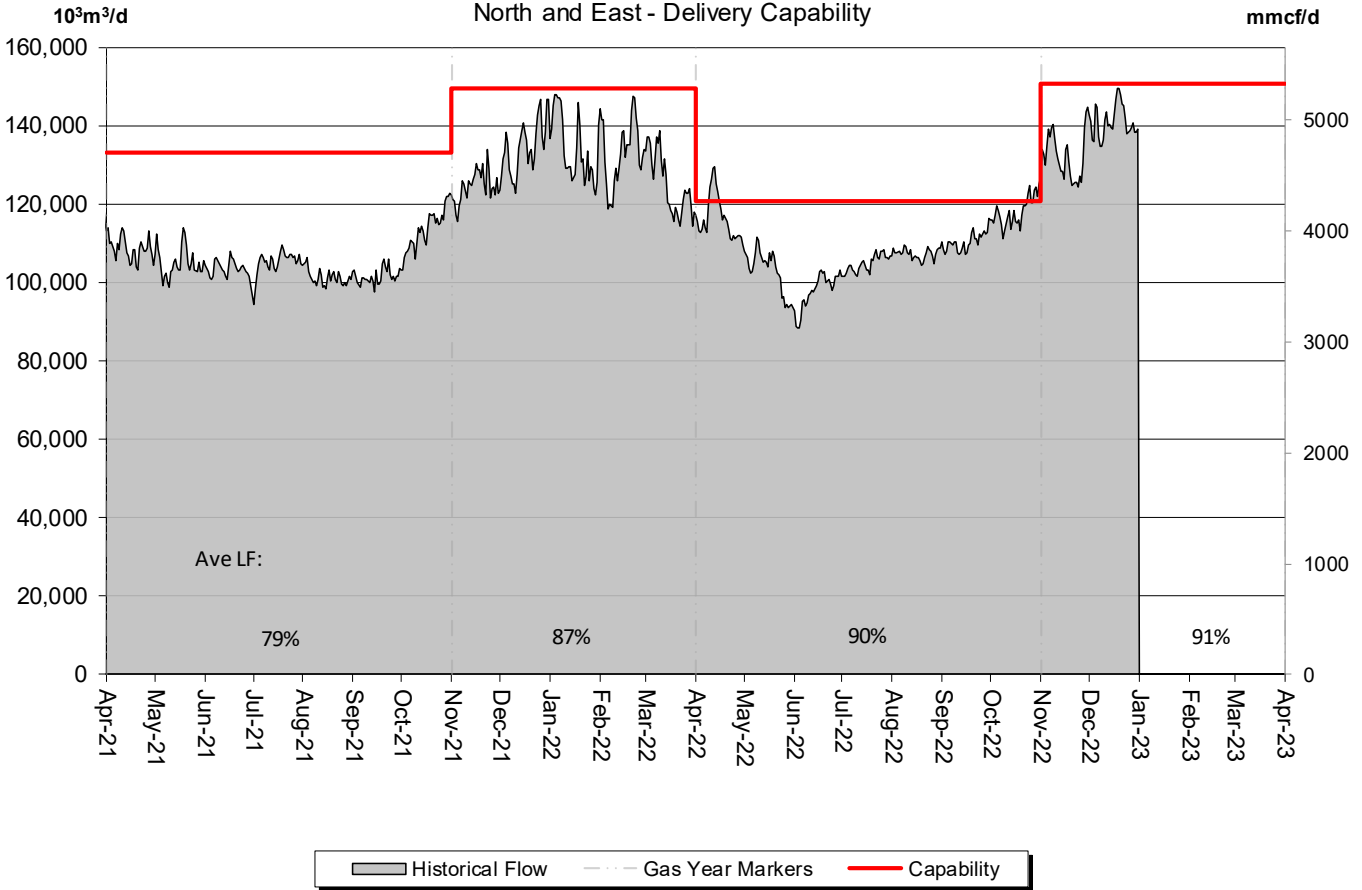
Historical Flow
 Gas Year Markers
 Capability

% Design Capability Utilization						
Average Flow/	Jul	Aug	Sep	Oct	Nov	Dec
	87%	89%	92%	98%	89%	93%

DESIGN CAPABILITY UTILIZATION NORTH and EAST – FLOW WITHIN



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



% Design Capability Utilization						
Average	Jul	Aug	Sep	Oct	Nov	Dec
Flow/	87%	89%	91%	98%	88%	94%

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.

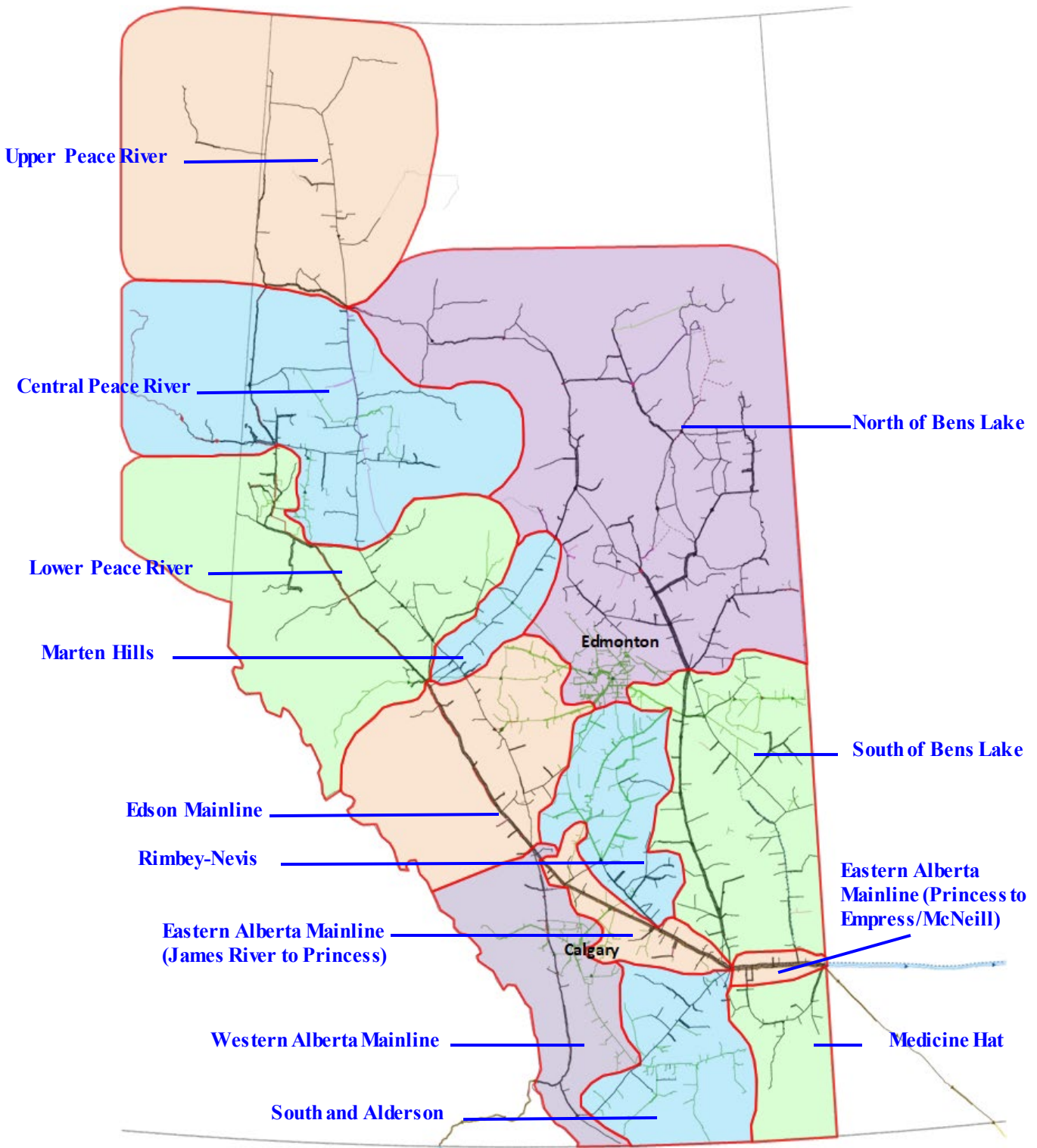
Design Flow Capability utilization is a function of several factors that include:

- 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

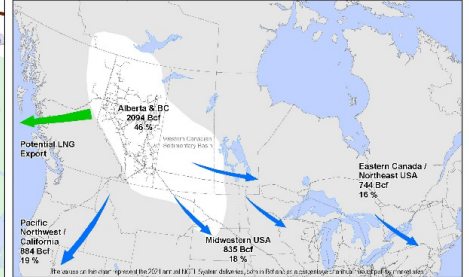


(Last updated Oct 2019)



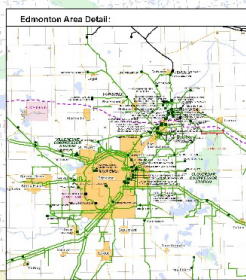
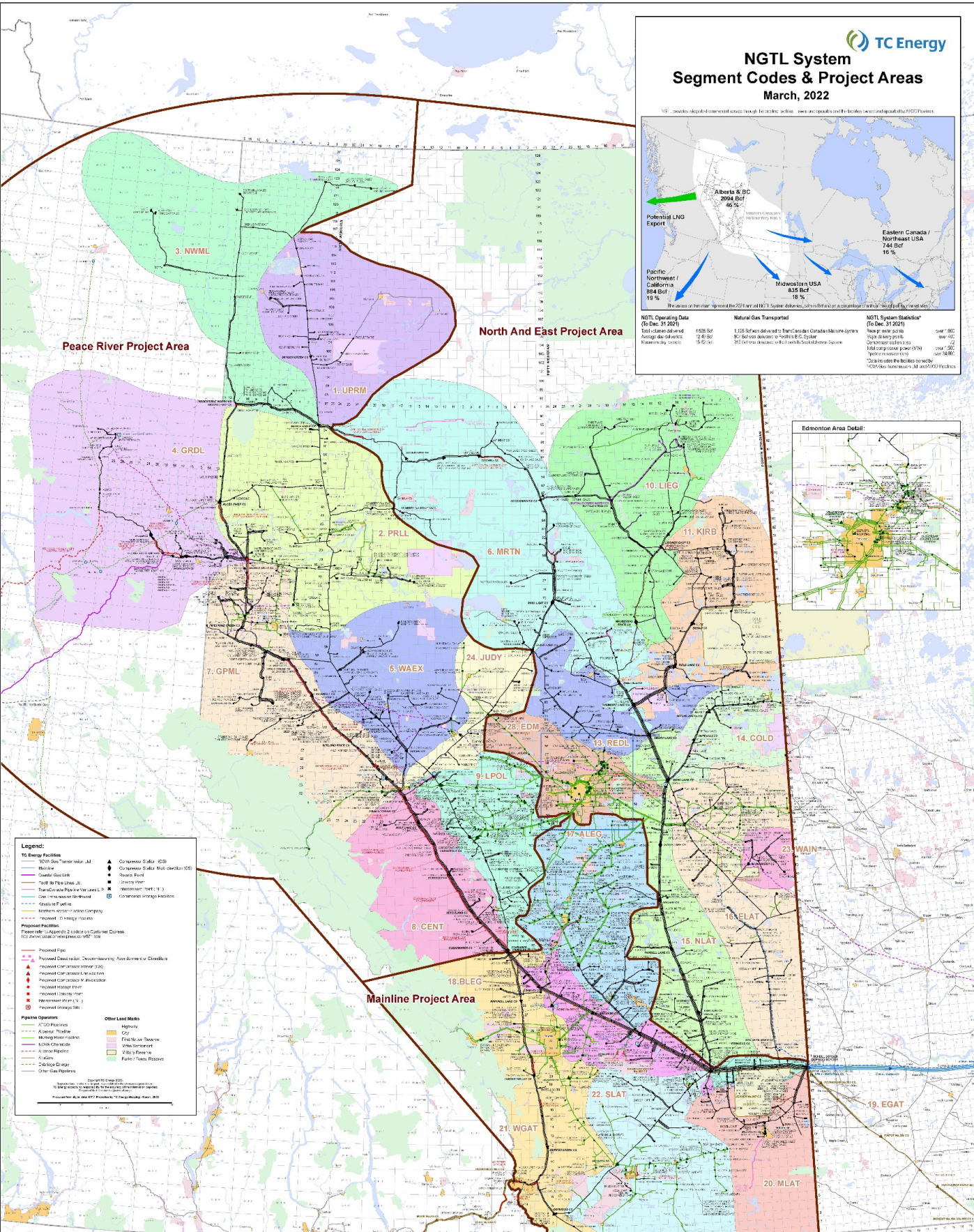
NGTL System Segment Codes & Project Areas March, 2022

NGTL System is a pipeline system that transports natural gas from production areas in Alberta and Saskatchewan to major markets in British Columbia, the United States, and Eastern Canada.



Market Segment	Volume (Bcf)	Percentage
Alberta & BC	2024	46%
Eastern Canada / Northeast USA	244	16%
Pacific Northwest / California	84	19%
Midwestern USA	43.5	18%

Category	Value
NGTL Operating Data (Q4 Dec. 31, 2021)	
Total volume delivered	4,628 Bcf
Average daily volume	12,697 bbl/d
Maximum daily volume	18,551 bbl/d
Natural Gas Transported (Q4 Dec. 31, 2021)	
Total volume delivered to TransCanada Canada Mainline System	1,156 Bcf
85% Total volume delivered to Northern BC System	982 Bcf
15% Total volume delivered to U.S. and Eastern Canada Mainline System	174 Bcf
NGTL System Statistics (Q4 Dec. 31, 2021)	
Number of well pads	5,647
Number of wellbores	10,422
Compressor stations	1,120
High-pressure power (MW)	1,000
Valves in service (TV)	34,000
Control valves in service (CV)	1,000
Control valves in service (CV)	1,000



Legend:

TC Energy Facilities

- Compressor Station (CS)
- Compressor Station Multi-orientation (CSO)
- Thermal Point
- Storage Tank
- Storage Tank (L)
- Storage Tank (H)
- Compressor Storage Facilities

Proposed Facilities

- Proposed Compressor Station
- Proposed Compressor Station Multi-orientation
- Proposed Storage Tank
- Proposed Storage Tank (L)
- Proposed Storage Tank (H)

Proposed Pipelines

- Proposed Pipeline
- Proposed Pipeline (L)
- Proposed Pipeline (H)
- Proposed Pipeline (L)
- Proposed Pipeline (H)

Other Land Marks

- Highway
- City
- Other Town
- Other Town
- Other Town
- Other Town

Scale: 1:100,000

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
