

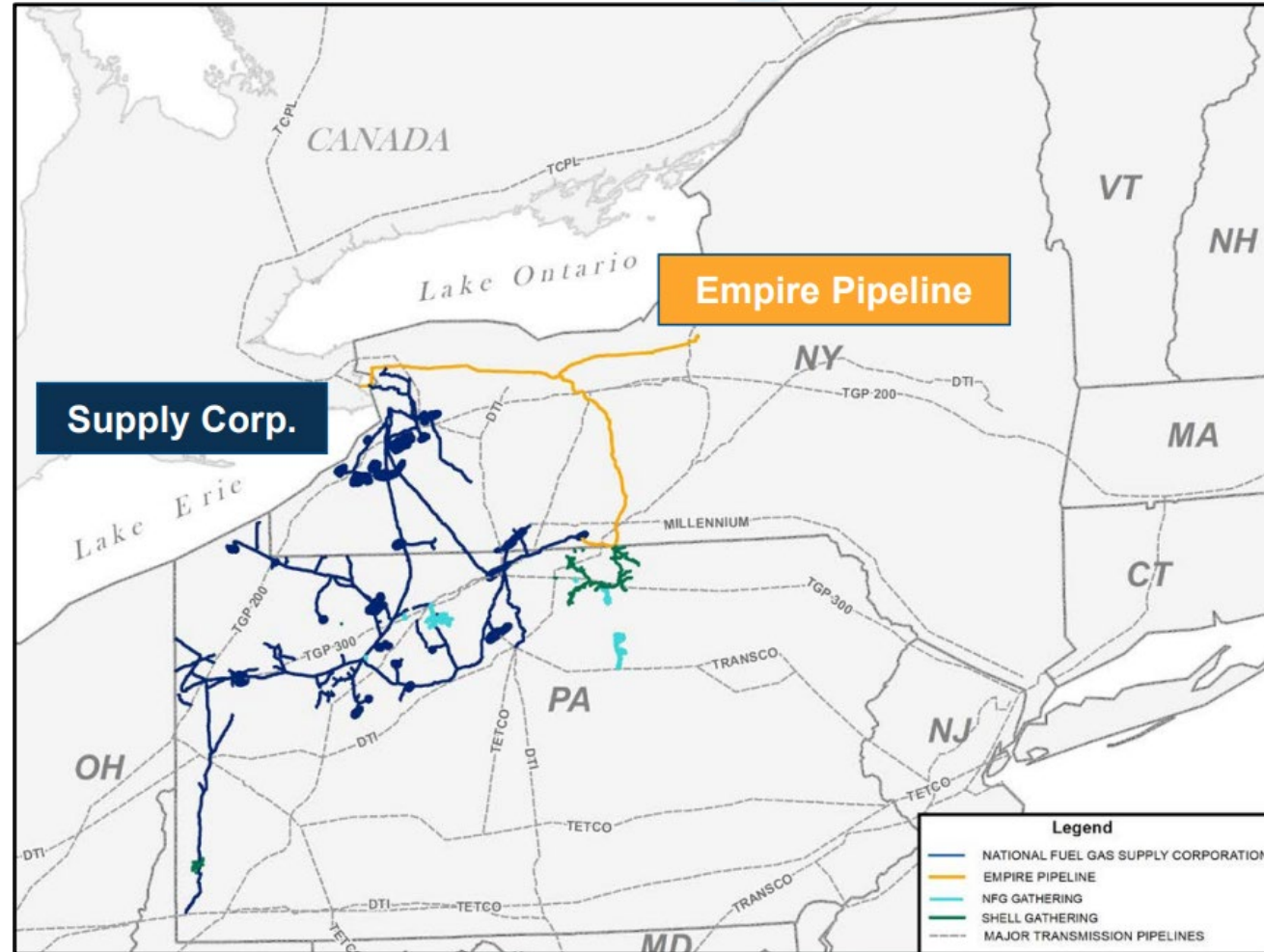


National Fuel[®]

National Fuel Supply & Empire Pipeline

Fall 2022 NGA
Presentation

NFG Supply and Empire Overview



Gas Control Personnel

- Tony Conte – Superintendent: Gas Control, Gas Measurement
- Joe Daul – Manager: Gas Control
- Brian Kiel – System Planning Engineer
- Greg Langl – Regulatory Compliance Supervisor
- 7 System Supervisors
- 11 Gas Dispatchers
- 3 Gas Dispatchers In-Training (+3 from 2021)

Control Room



NFGSC System Overview

Fall 2022 NFGSC System Overview

Weather and Throughput Statistics

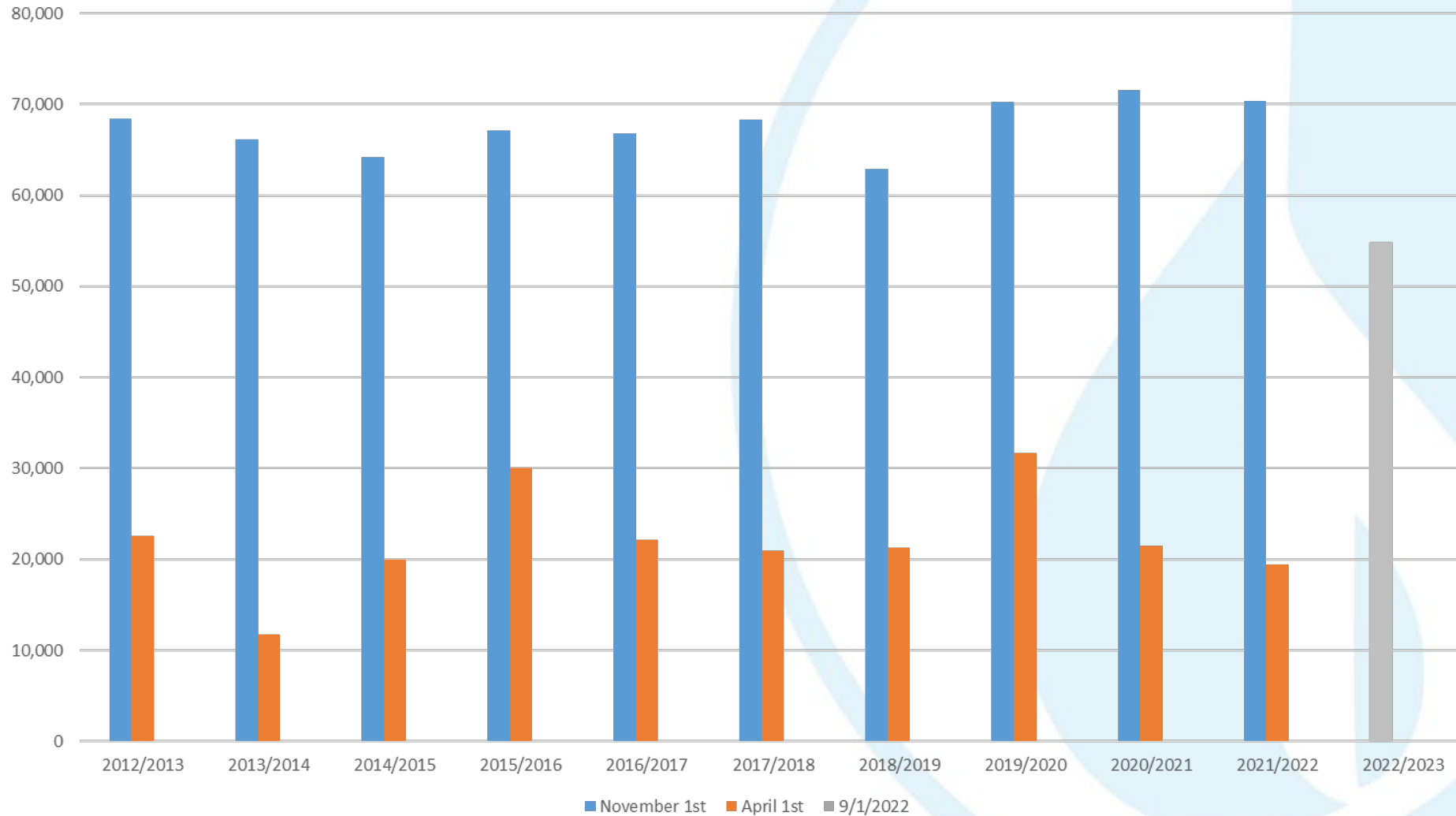
• Summer Operations	4/1/22-9/30/22
• Average Degree Day 2022	5.1
• Average Degree Day 2021	5.3
• Normal Degree Day	5.4
• Throughput 4/1/22-9/30/22	215 BCF
• Peak Throughput 4/19/22	1.4 BCF

Fall 2022 NFGSC System Overview

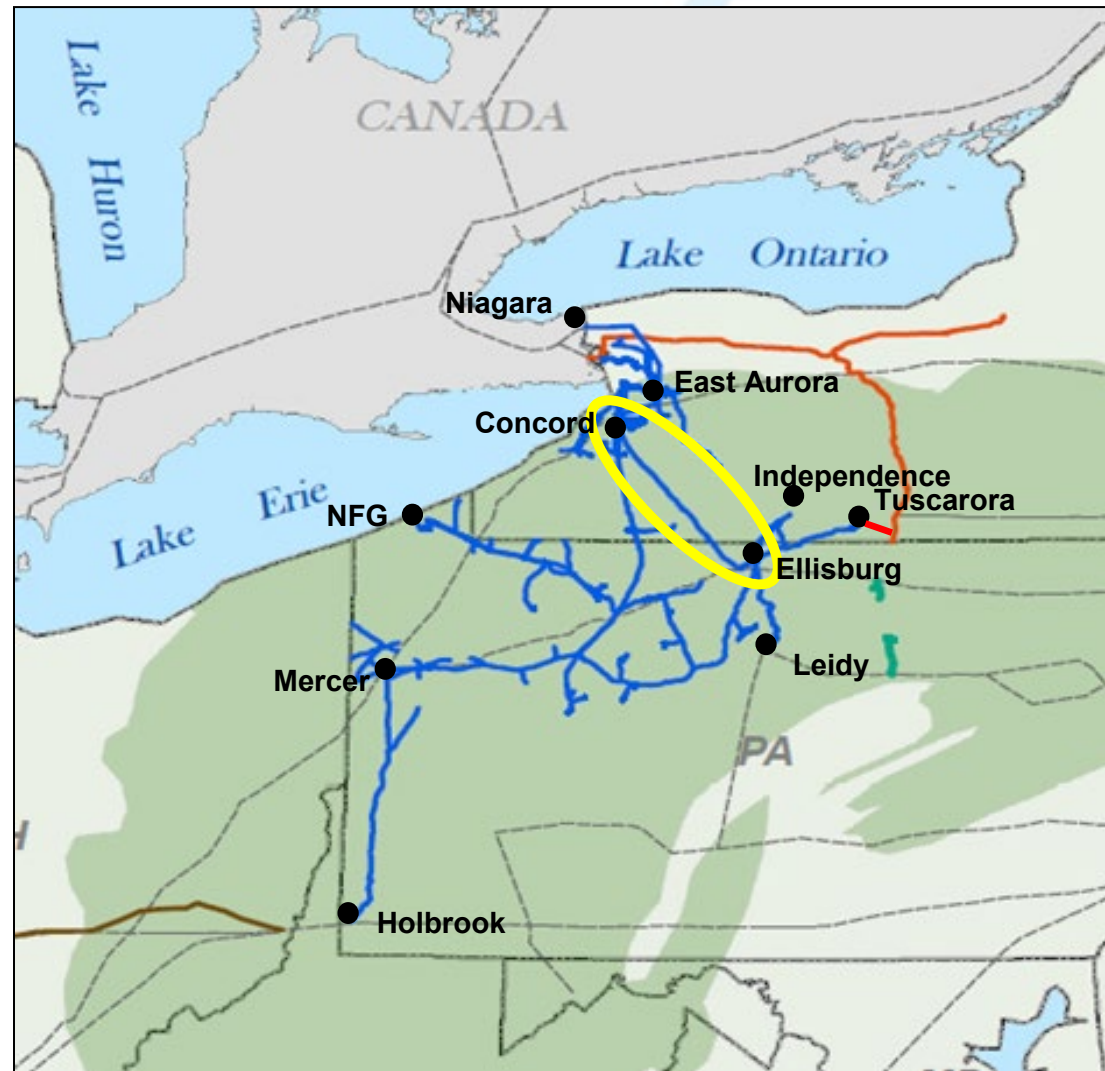
Storage Activities

• Top Gas Capacity	77.2 BCF
• Starting Top Gas 4/1/22	19.4 BCF
• Injected through 9/1/22	35.3 BCF
• Top Gas 9/1/22	54.7 BCF

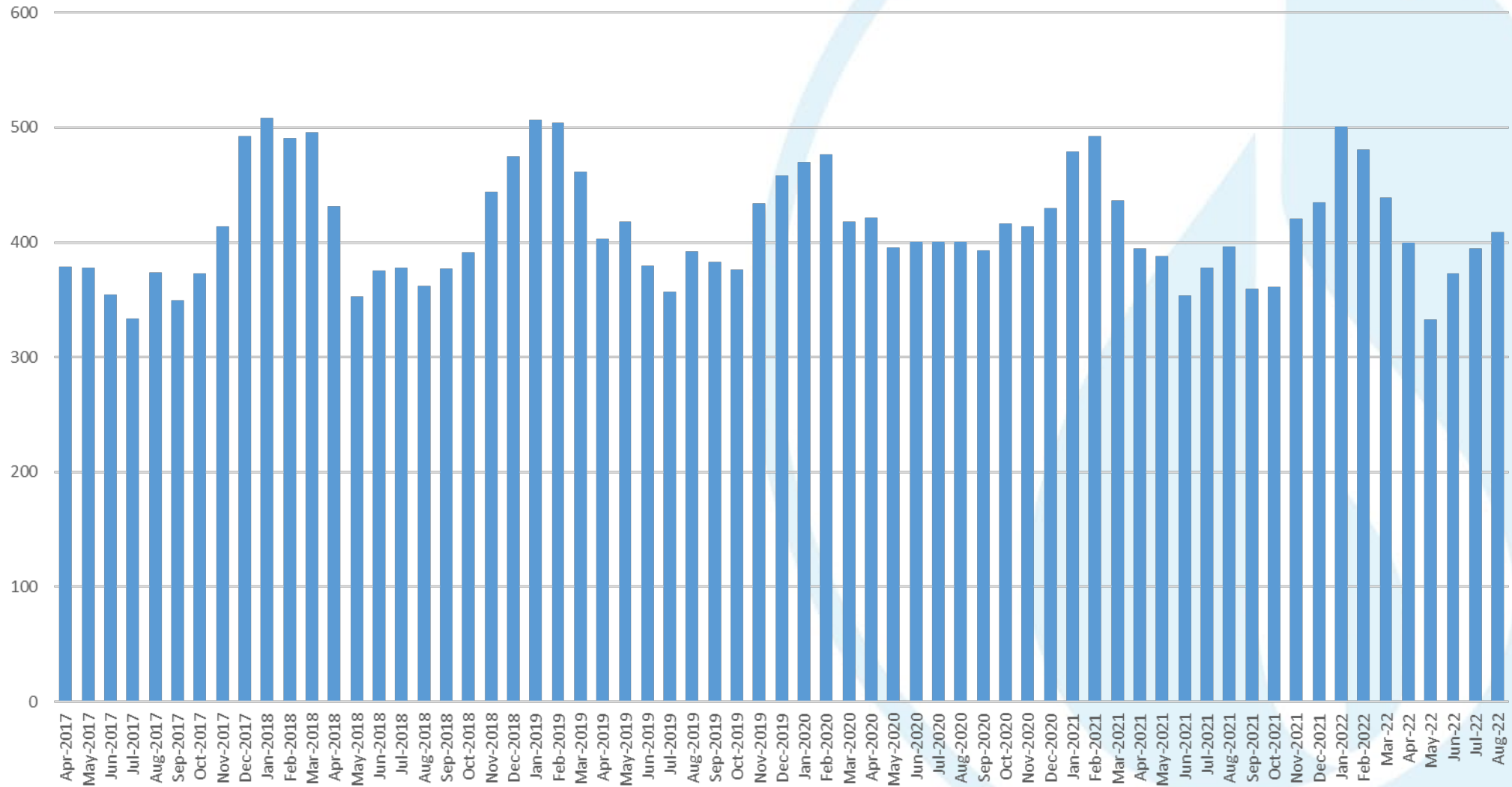
NFGSC Top Gas Storage Inventory (MMCF)



NFGSC Line X South to North



NFGSC Line X South to North



Empire System Overview

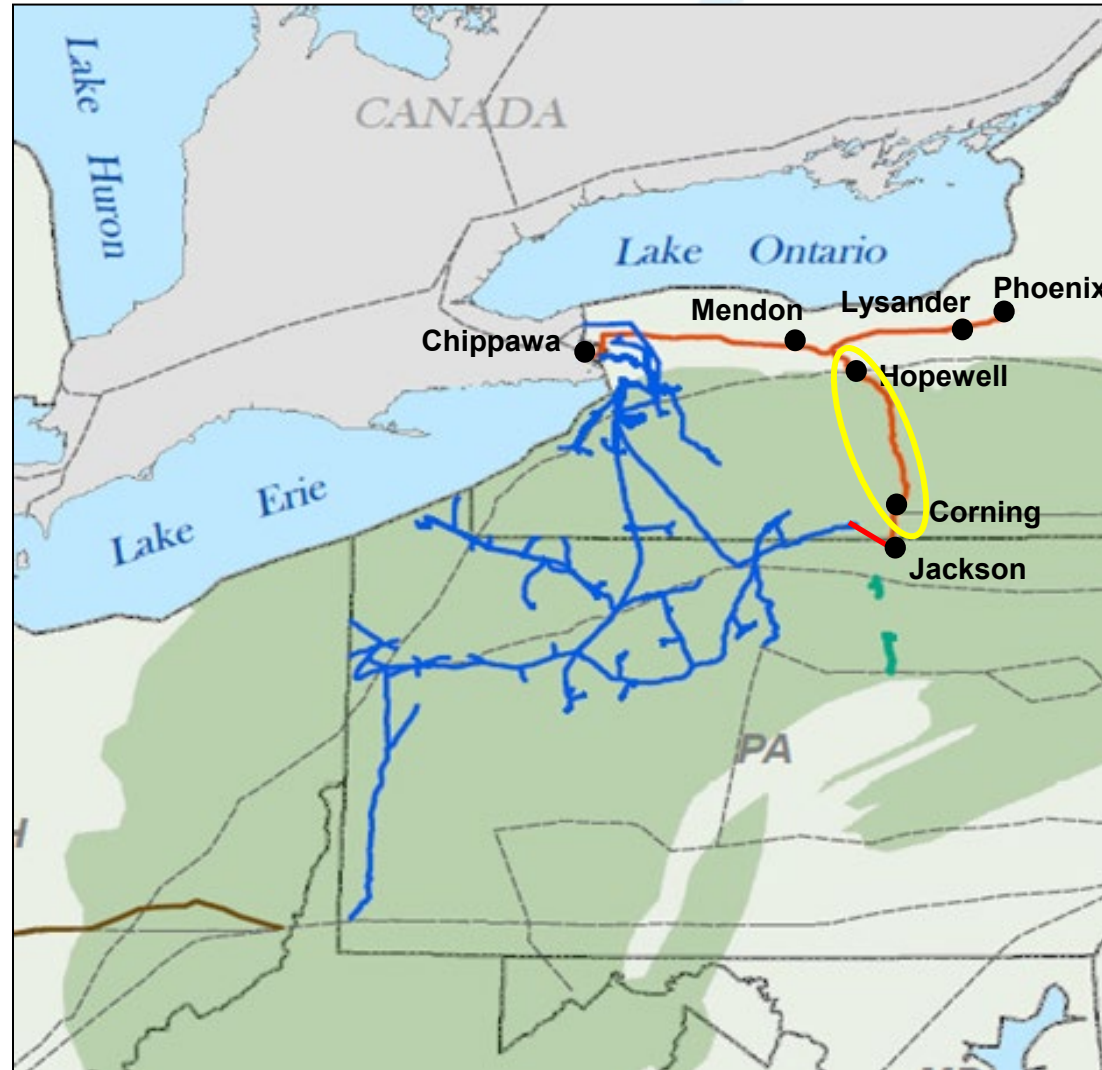
The background is a solid dark blue color. On the right side, there are several overlapping, semi-transparent shapes in a lighter shade of blue. These shapes include a large, stylized number '5' that is the most prominent feature. There are also some circular and teardrop-like shapes that create a layered, abstract effect.

Fall 2022 Empire System Overview

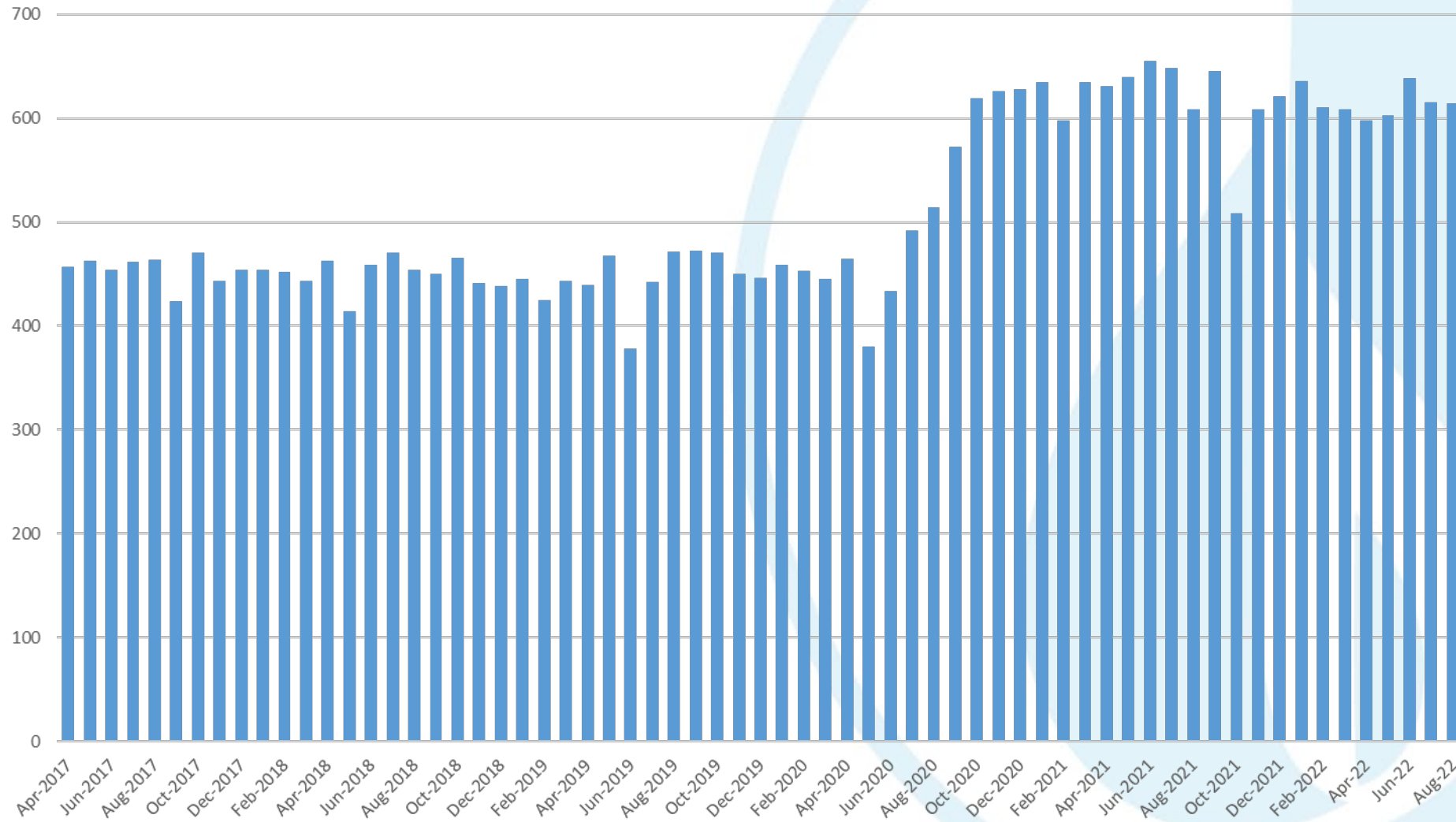
Weather and Throughput Statistics

• Summer Operations	4/1/22-9/30/22
• Average Degree Day 2022	5.1
• Average Degree Day 2021	5.3
• Normal Degree Day	5.4
• Throughput 4/1/21-9/30/22	115 BCF
• Peak Throughput 6/29/22	680 mmcf Total 120 mmcf Power Gen

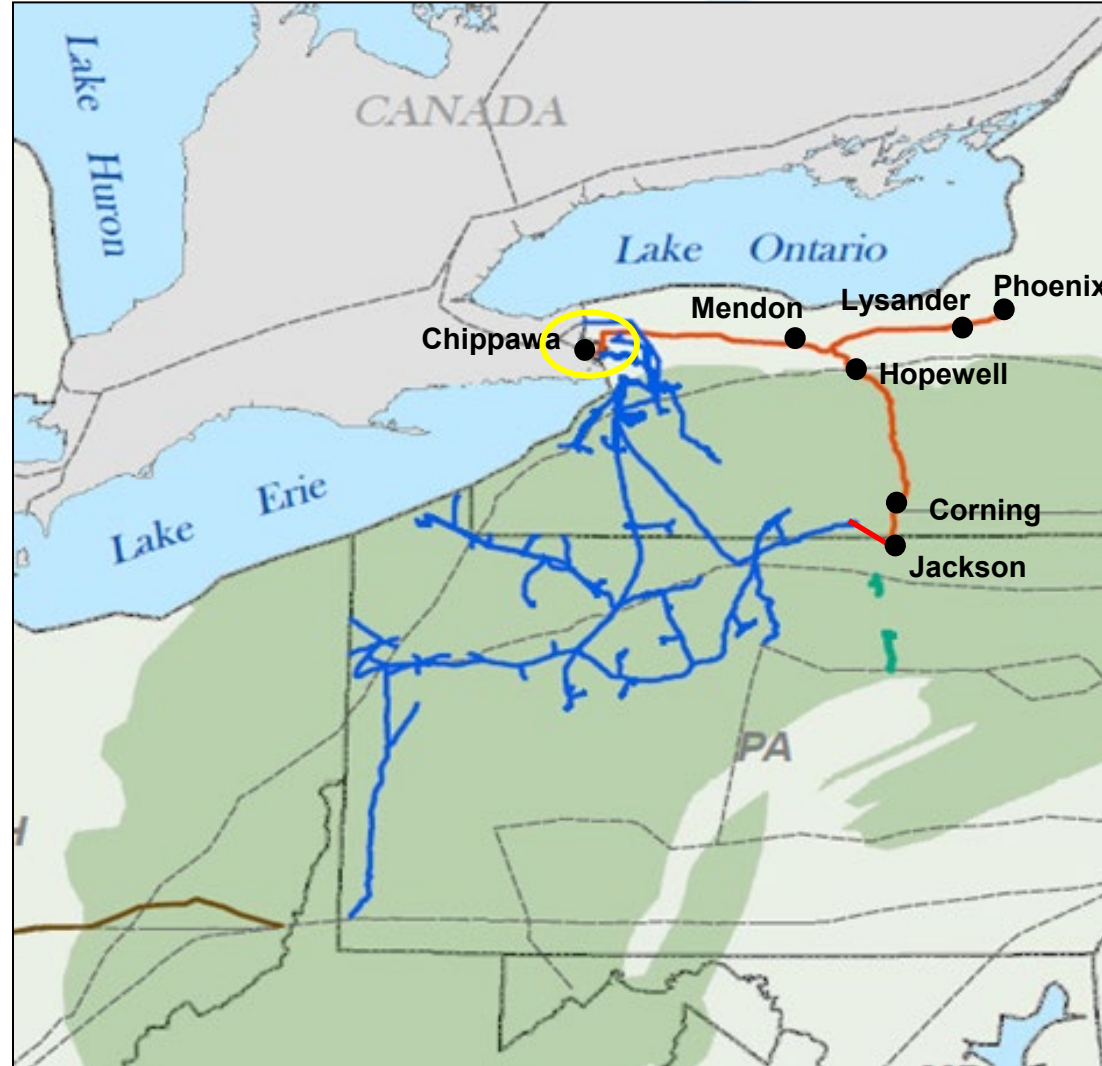
Empire Connector South to North



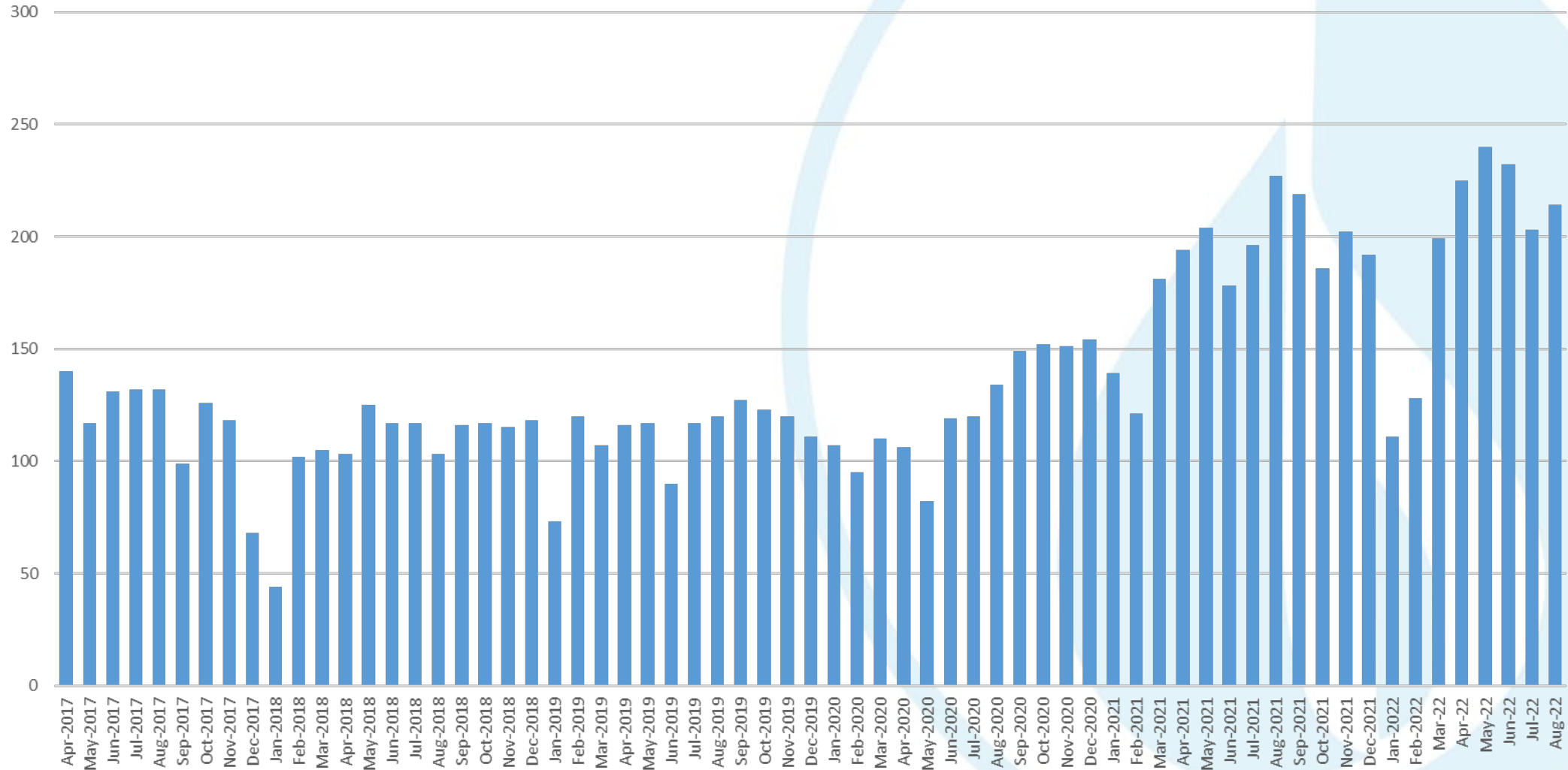
Empire Connector South to North



Chippawa: Delivery to TC Energy



Chippawa: Net Delivery to TC Energy



2022 Completed Work

2022 NFGSC and Empire Completed Work

NFGSC

- Line YM224/XS/YM50 ILIs
 - Significant interruption of Line X
 - 5 days during May & July 2022
- Line K Hydrotest/Replacements
 - Remediated and assessed several sections of line K

Empire

- New Victor to Phoenix Station ILI
 - No impact to firm services
 - 3 days during August 2022