



National Fuel[®]

Empire Pipeline

Spring 2024 NGA
Presentation

Empire System Overview

Empire Operates:

- Over 269 miles of transmission pipeline in Western & Central NY
- 3 compressor stations



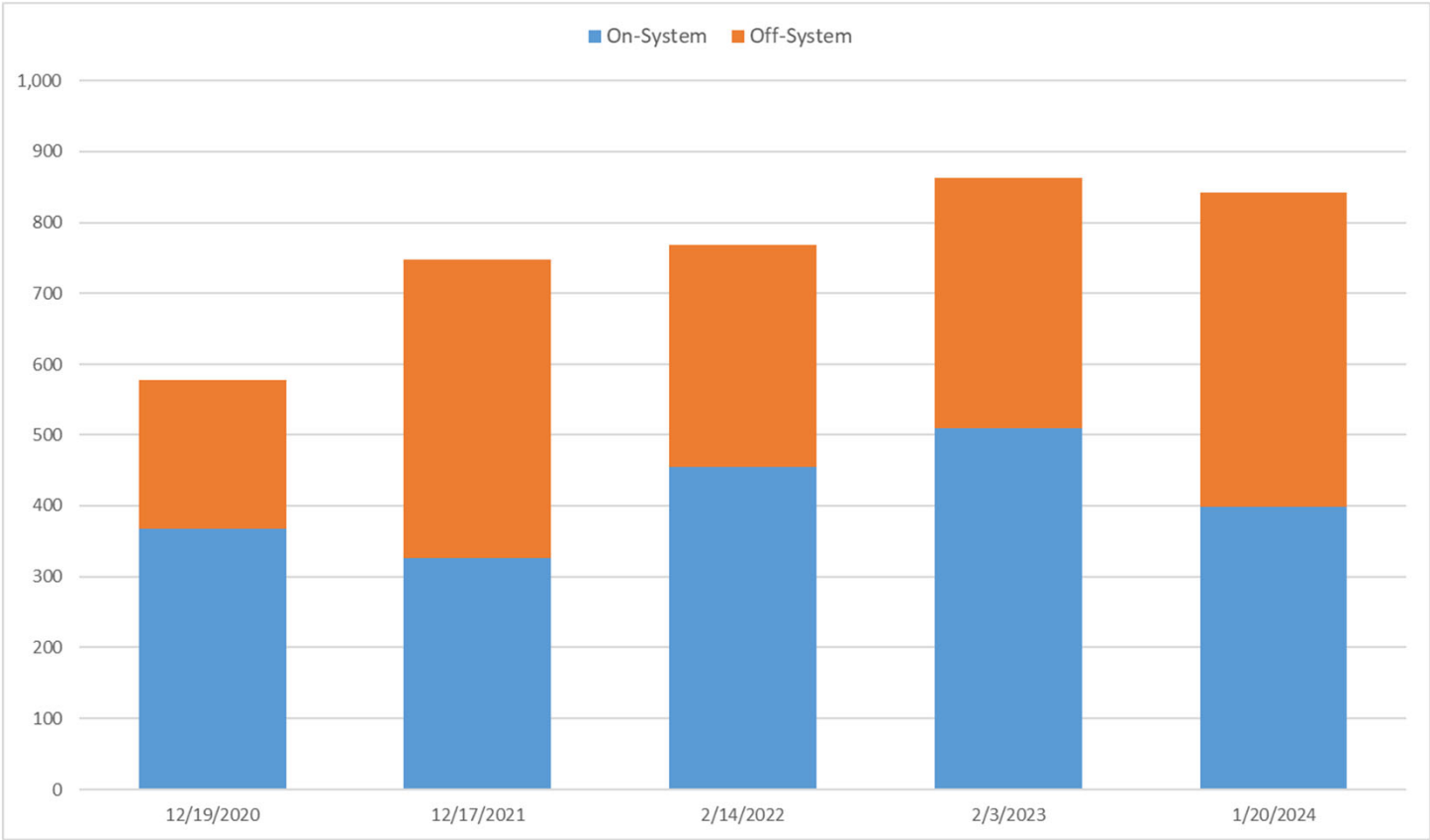
Empire System Overview

Weather & Throughput Statistics: *Winter Operations(11/1/23 to 3/31/24)*

Peak Day Throughput (1/20/2024)	842 MMCF
Peak Day - Power Gen (1/20/2024)	199 MMCF
Peak Day Degree Day (1/20/2024)	50 HDD
Average Degree Day 2023/2024	27 HDD
Average Degree Day 2022/2023	29 HDD
Total Winter Throughput (Nov-Mar*)	112 BCF

**March data not yet finalized*

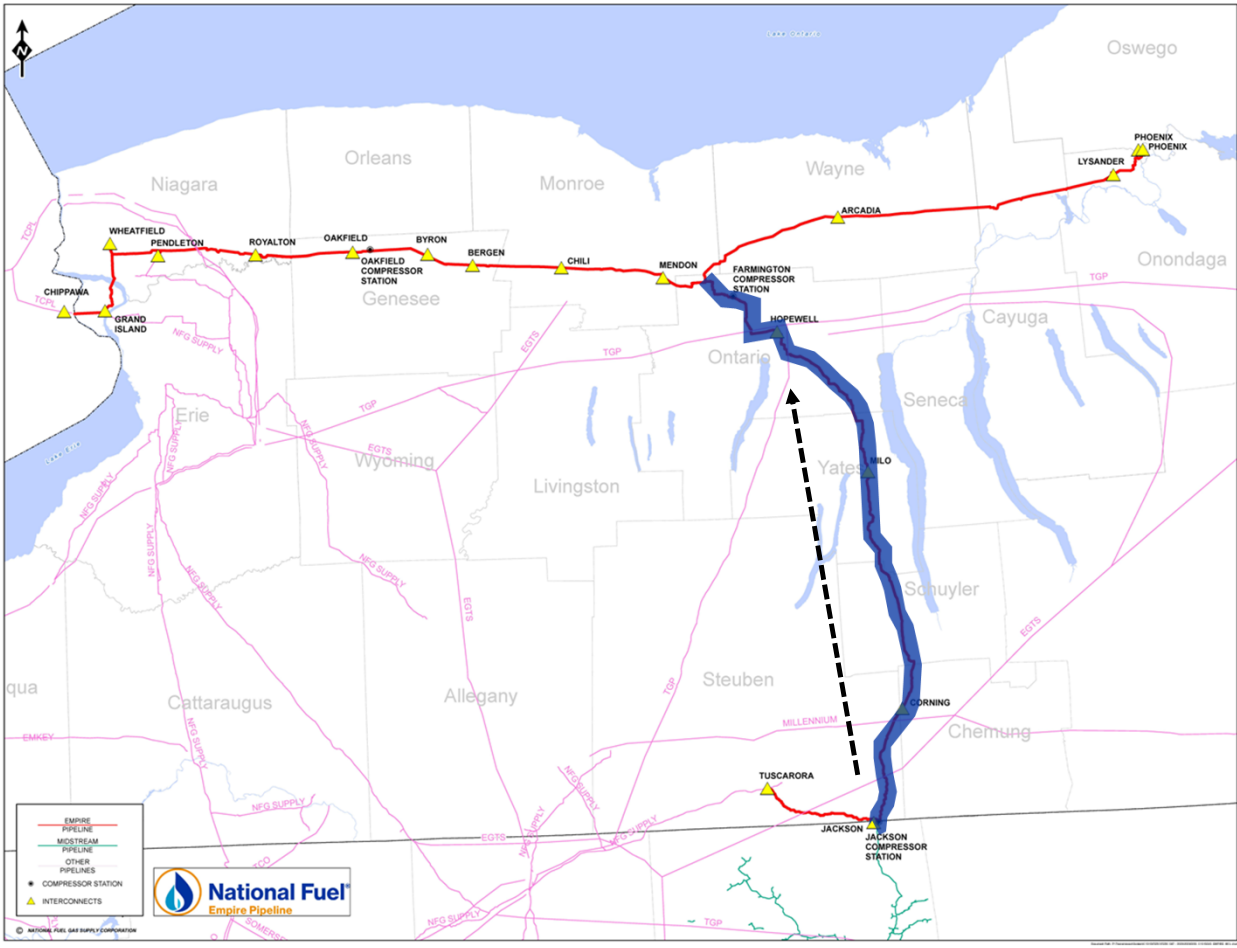
Empire Peak Day Deliveries (MDth)



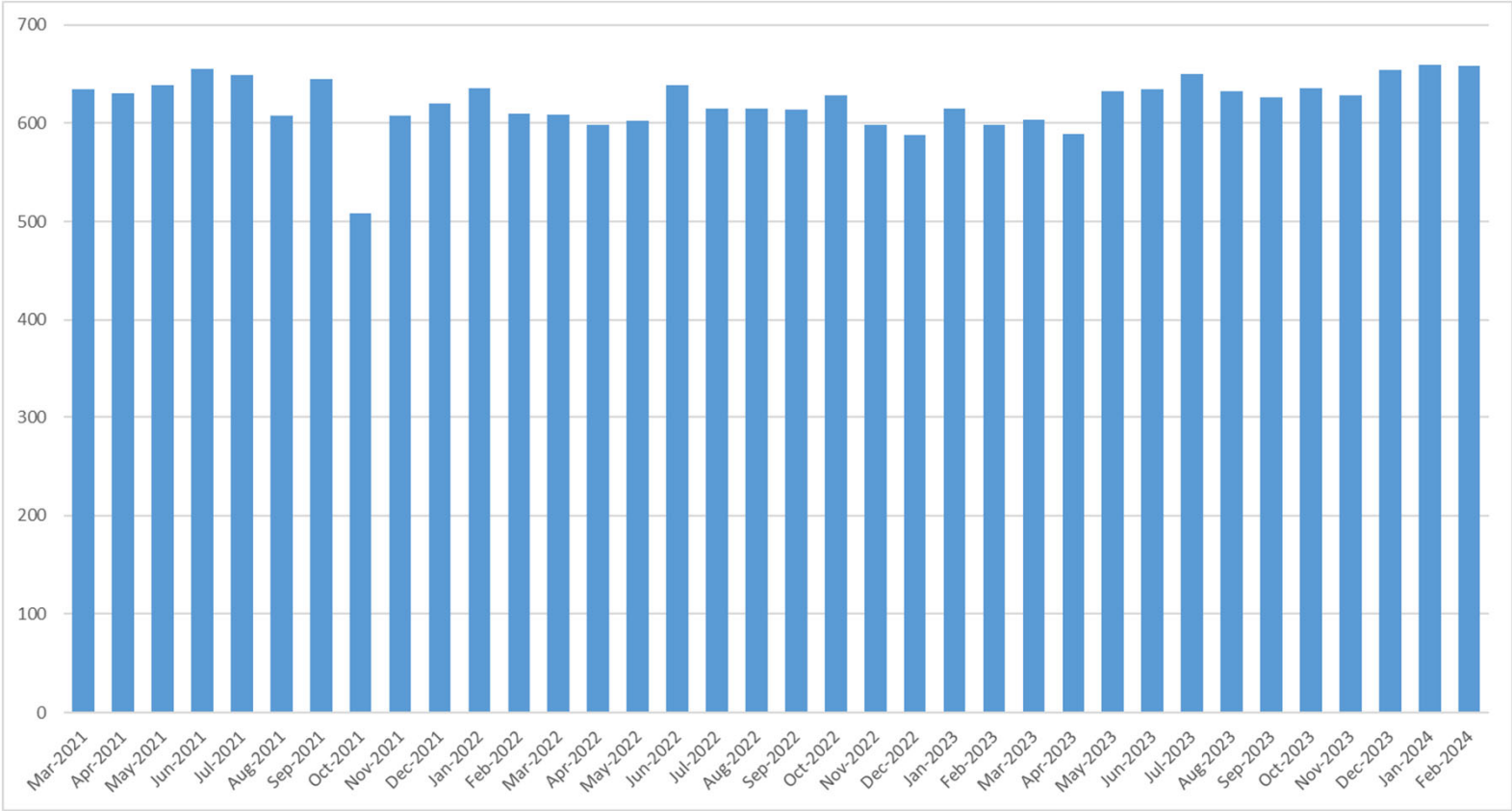
**1/20/2024 based on preliminary data*



Empire Connector South to North



Empire Connector South to North

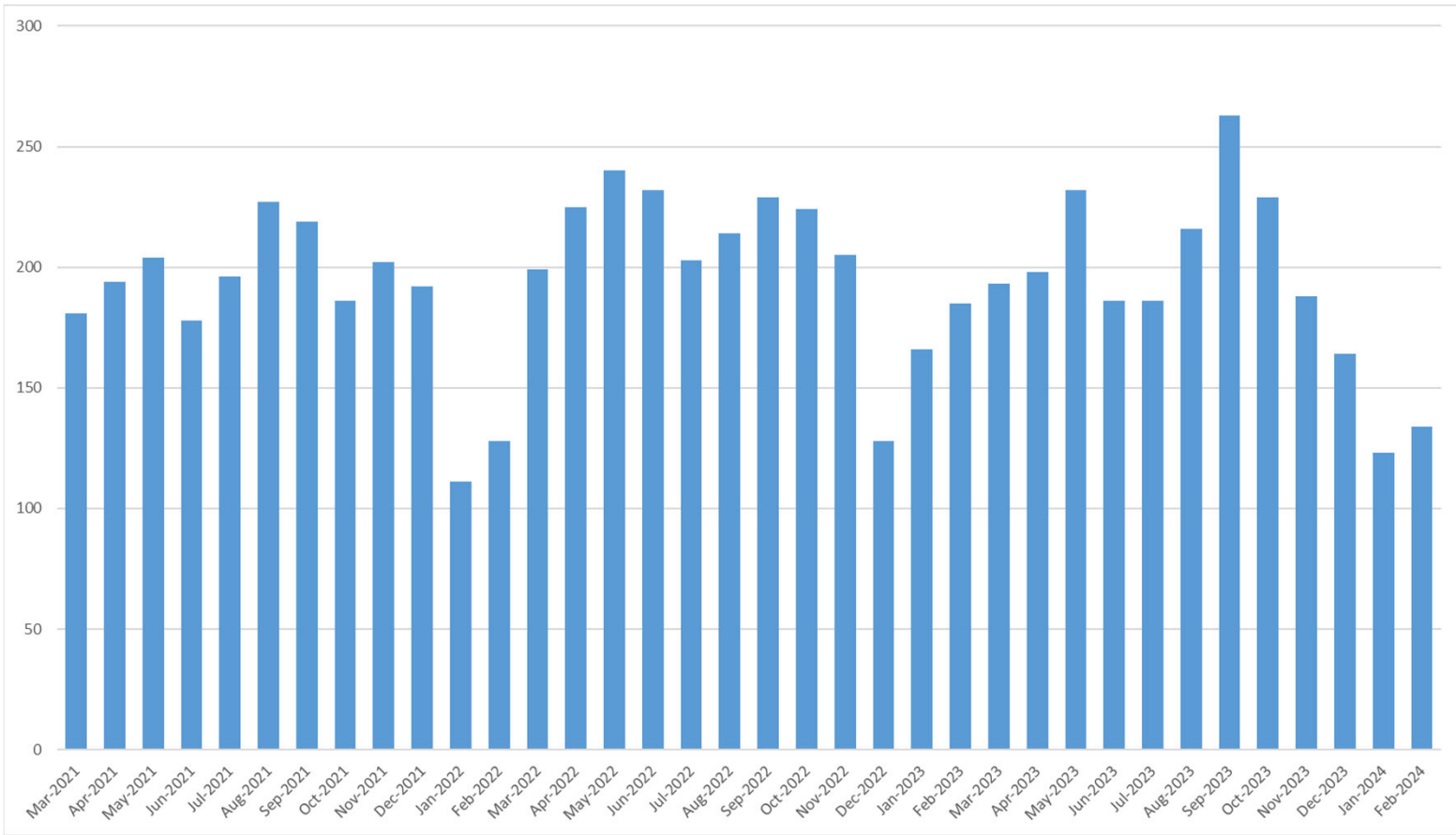


Average Daily Scheduled by Month (MDth)

Chippawa: Delivery to TC Energy



Chippawa: Delivery to TC Energy



Average Daily Net Scheduled Deliveries (-Receipts) by Month (MDth)



The background is a solid blue color. On the right side, there are several overlapping, semi-transparent shapes that resemble stylized leaves or petals, arranged in a circular pattern. The text is centered horizontally and vertically on the left side of the page.

2024 Construction and Maintenance

Construction and Maintenance Schedule



2024 Construction & Maintenance Schedule

Updated: 2/28/2024

Project	Description	Project Start Date	Project End Date	Estimated Outage Duration (Days)	Location	Impact	Expected Service Level Impact
Jackson Interconnect - Station Enhancements	Station Upgrades	March 2024	June 2024	10	Jackson Interconnect	Receipt capacity reduction at: NFG Midstream Covington (EPRU91111) Repsol Oil & Gas USA (EPRU91101) Tuscarora (022009010)	Firm
Quakenbush Station Pigging Enhancements	Pipeline Upgrades	Late Summer 2024	Late Summer 2024	7	Quakenbush Station	Receipt capacity reduction at: NFG Midstream Covington (EPRU91111) Repsol Oil & Gas USA (EPRU91101) Tuscarora (022009010)	Firm
Jackson Compressor Station - Dry Gas Seal System Install	Compressor Station Upgrade	November 2024	November 2024	2	Jackson Compressor Station	Receipt capacity reduction at: NFG Midstream Covington (EPRU91111) Repsol Oil & Gas USA (EPRU91101) Tuscarora (022009010)	Firm
EMP12 Pigging Enhancements	Pipeline Upgrades	Summer 2024	Summer 2024	14	Empire Mainline to Wheatfield Station	Physical deliveries to Wheatfield (012003015) will be unavailable	None
EMP12 ILI - Mainline to Wheatfield Station	Inline Inspection	September 2024	October 2024	0	Empire Mainline to Wheatfield Station	None	None