



National Fuel[®]

Empire Pipeline Operational Update

September 2020

Planned Service Outages

EMPIRE PIPELINE

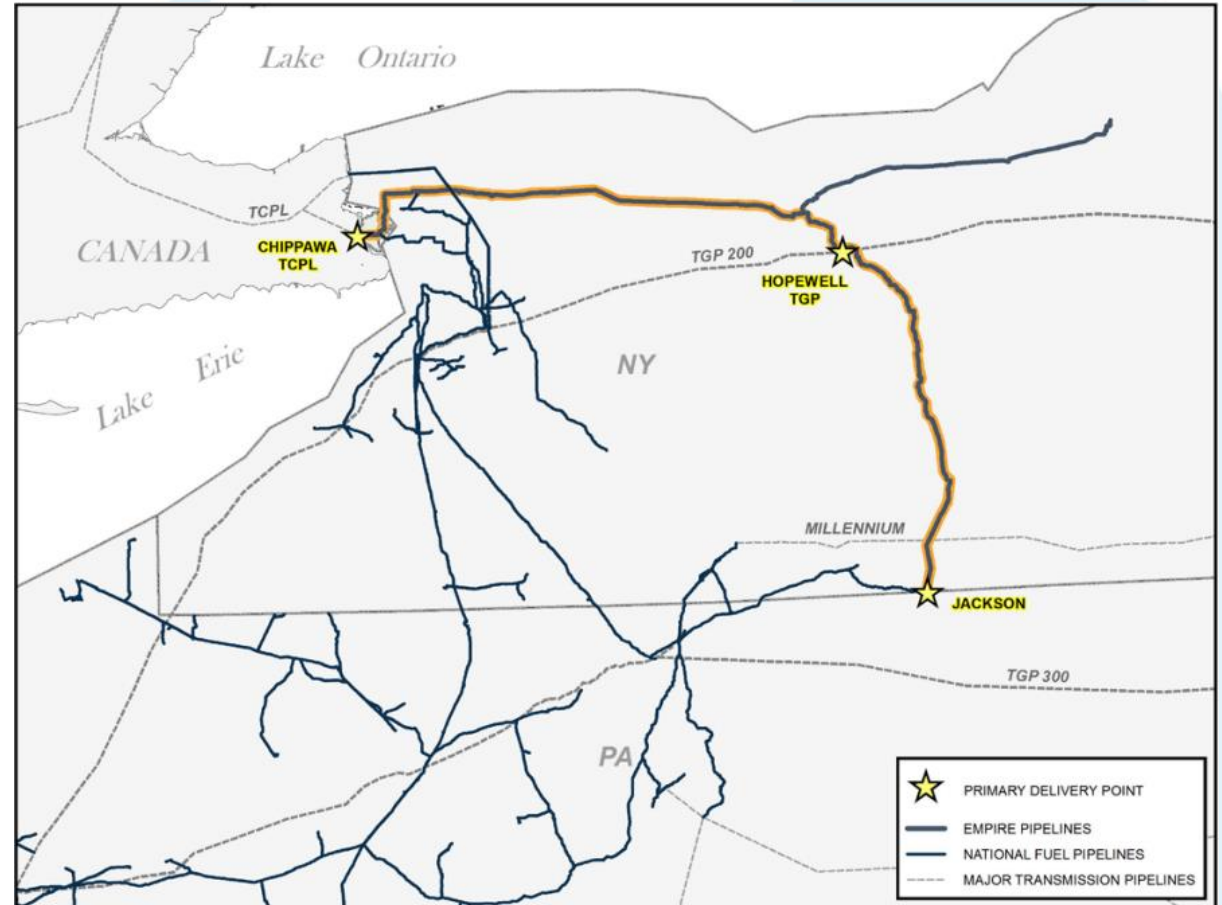
2020 Planned Service Outage Schedule

Effective Date: 9/15/20

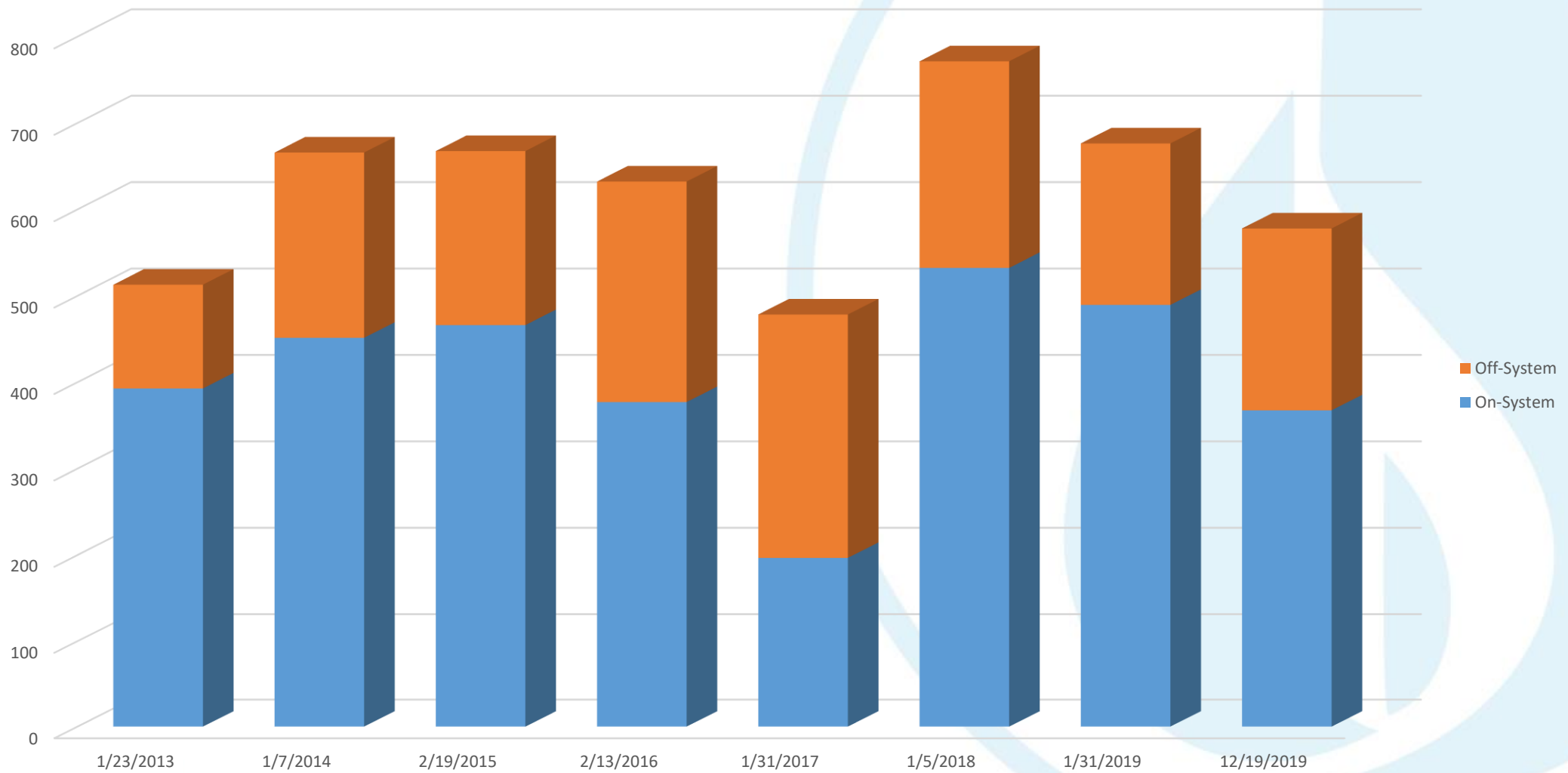
Project	Company	Description	State	Construction		Shutdown of Major Facilities		Section to be Shut Down	Notes
				Start Date	End Date	Start Date	End Date		
Lysander Meter Run Replacement	Empire	Replace meter runs	NY	Aug 2020	Oct 2020	10/06/20	10/16/20	Lysander Station	Lysander receipts and deliveries unavailable. See critical notice for details.

Empire North Project Update

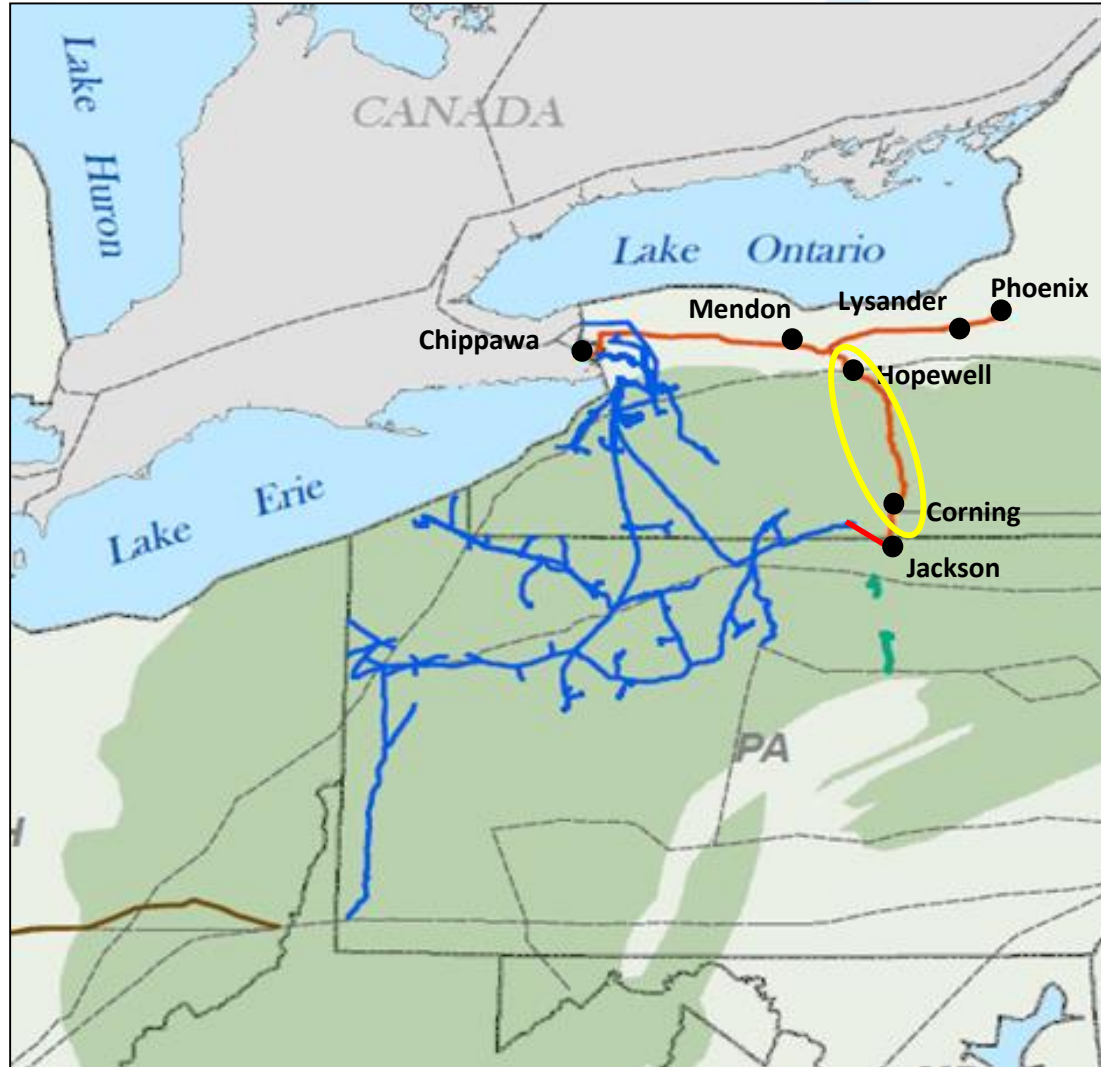
- In-Service as of September 15, 2020
- Project Summary
 - Receipt Point: Jackson (Tioga Co., PA production)
 - Design Capacity and Delivery Points:
 - 175,000 Dth/d to TCPL Chippawa
 - 30,000 Dth/d to TGP Hopewell
 - Facilities:
 - New Jackson, PA compressor station
 - New Farmington, NY compressor station
 - Empire Connector MAOP uprate from 1290 psig to 1440 psig



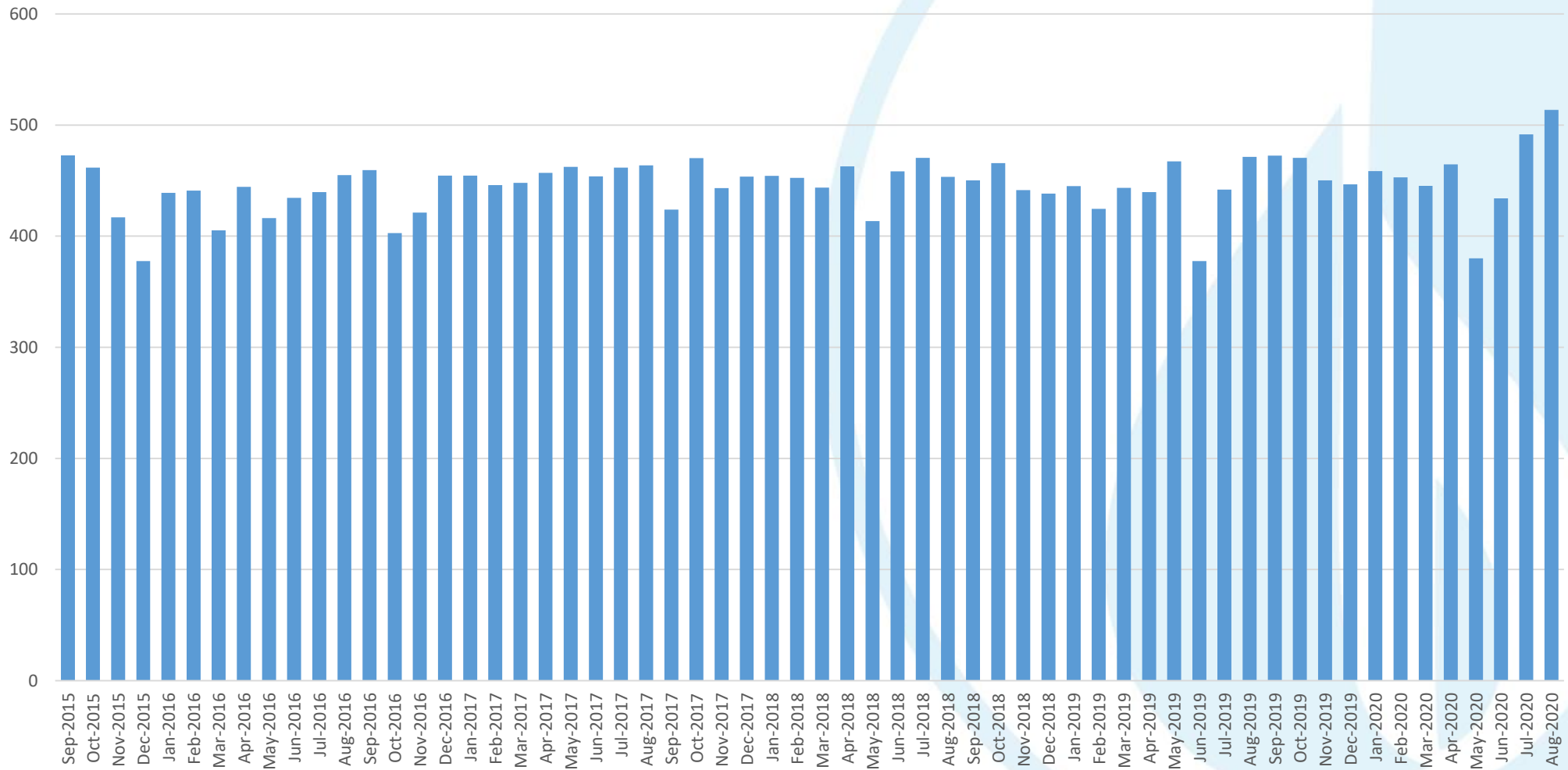
Empire Peak Day Deliveries (MDth)



Empire Connector South to North

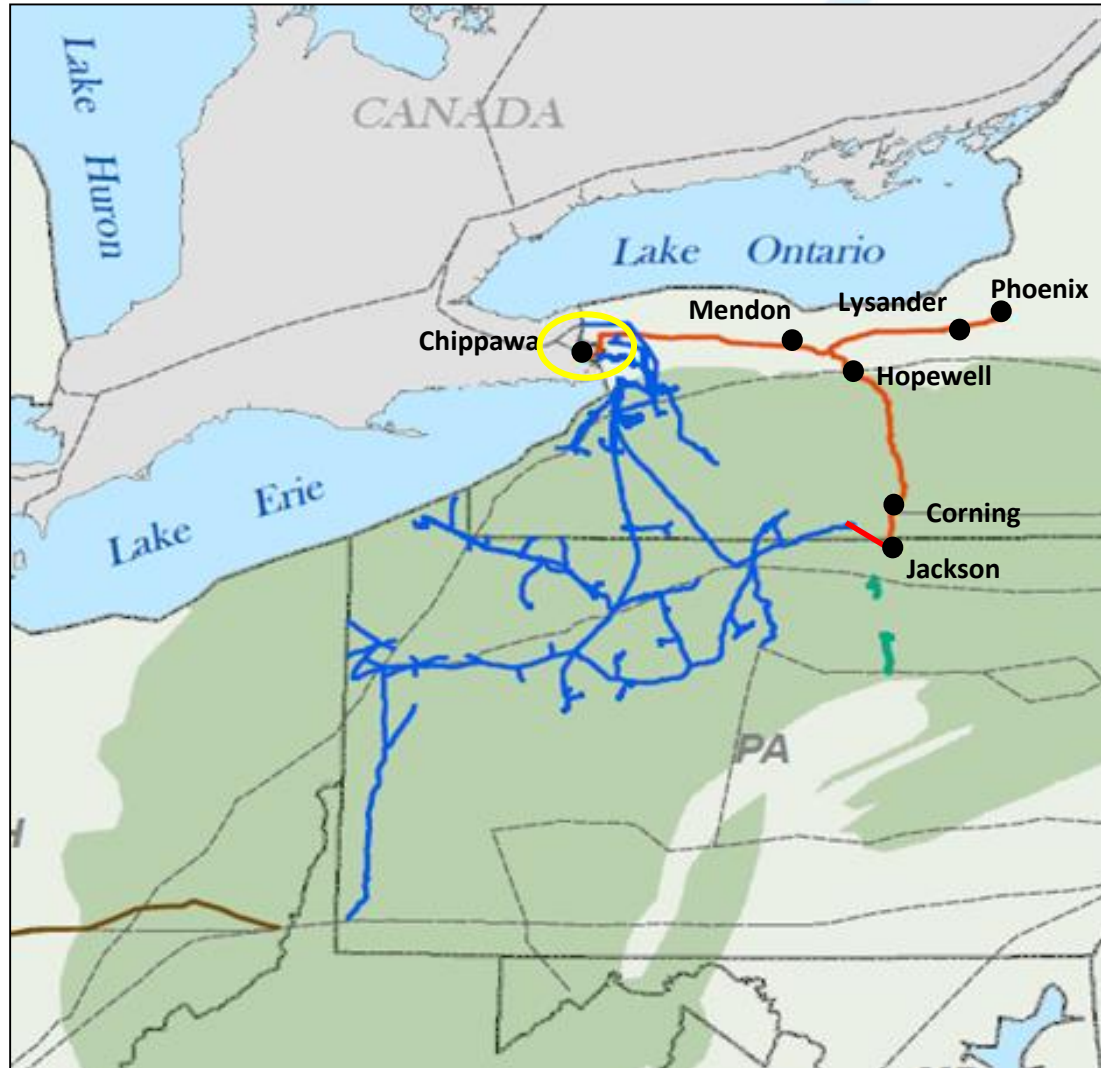


Empire Connector South to North

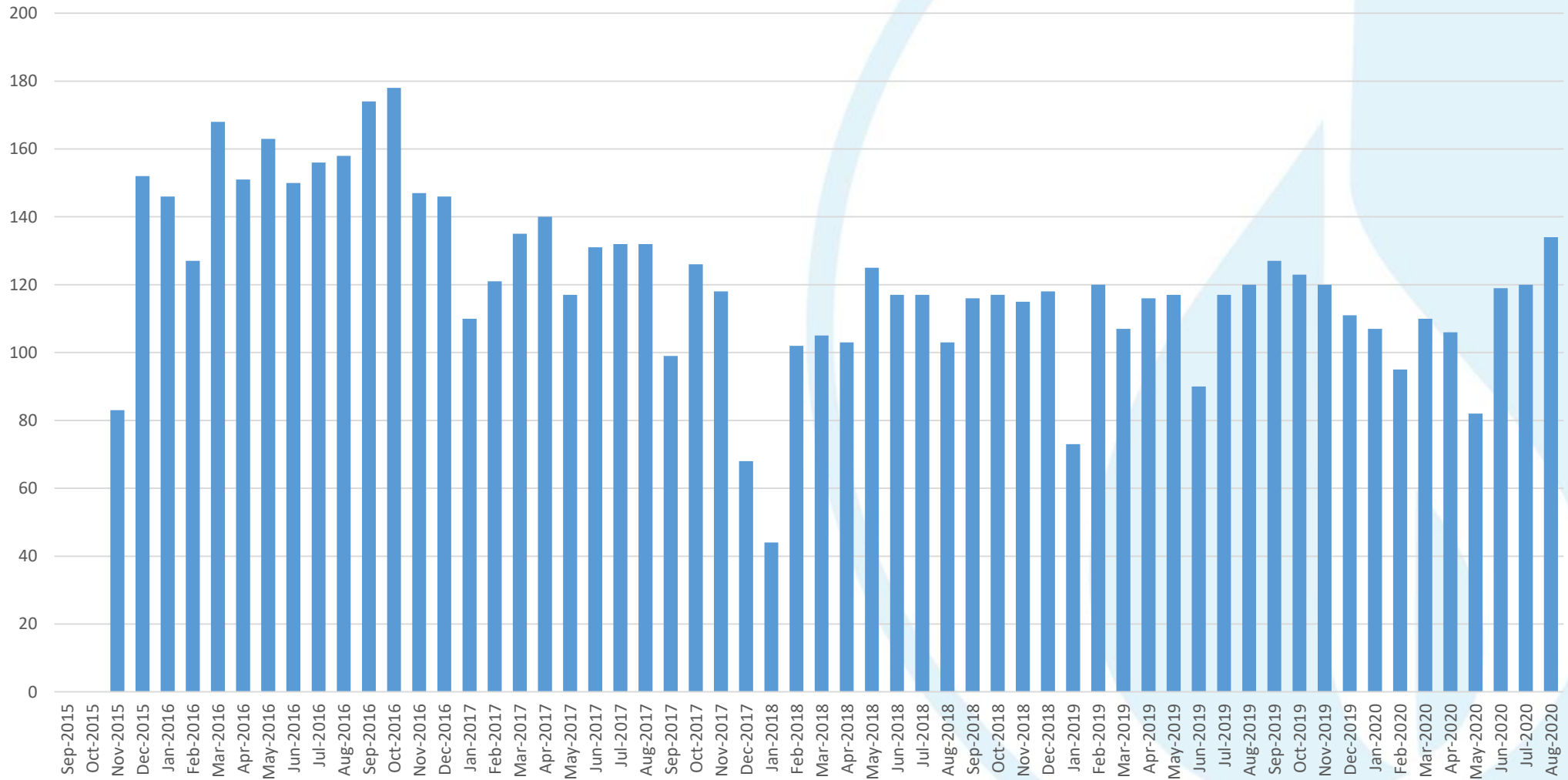


Average Daily Scheduled by Month (MDth)

Chippawa: Delivery to TC Energy

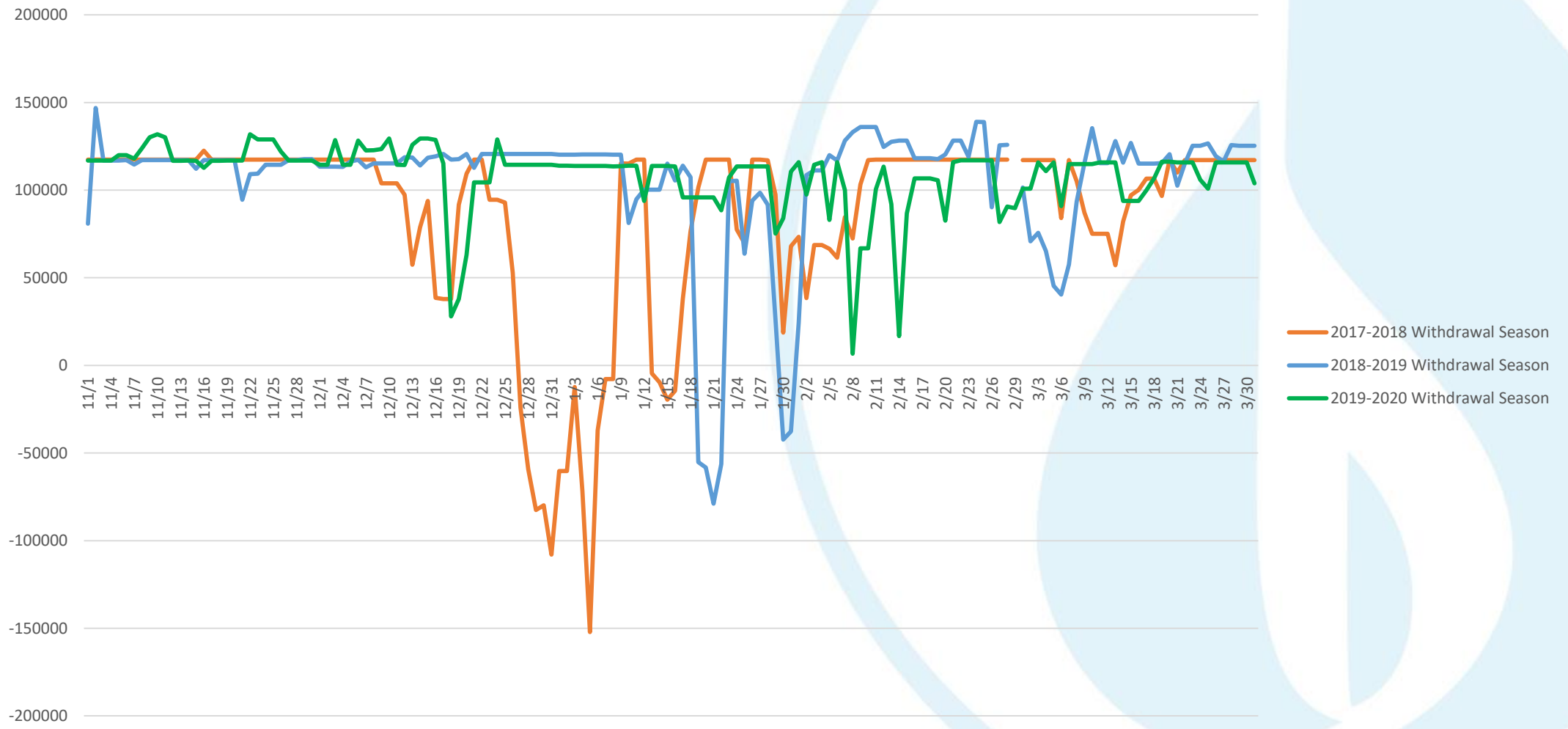


Chippawa: Delivery to TC Energy



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

Chippawa: Delivery to TC Energy



Daily Net Scheduled Deliveries (-Receipts) (MDth)