



National Fuel[®]

Empire Pipeline Operational Update

June 2020

Planned Service Outages

EMPIRE PIPELINE

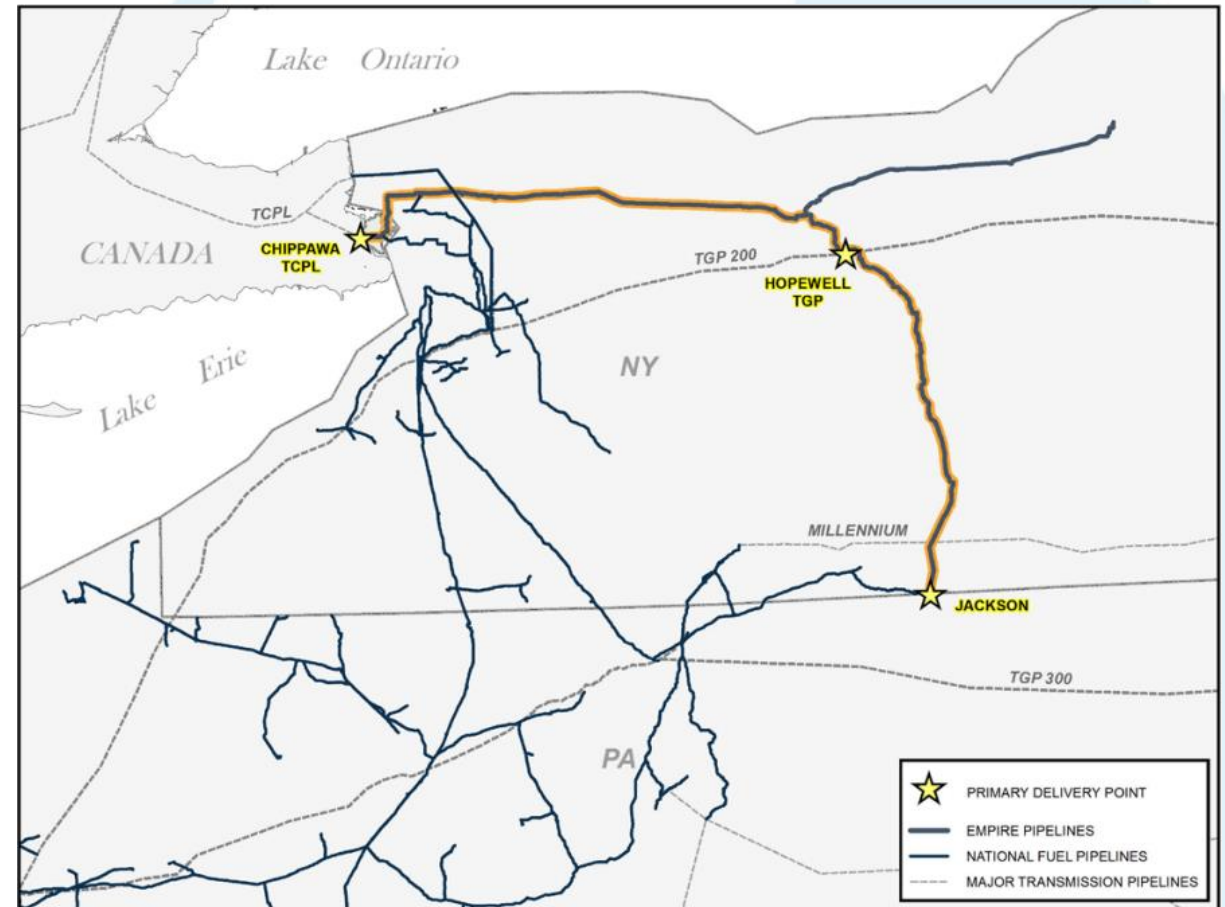
2020 Planned Service Outage Schedule

Effective Date: 6/3/20

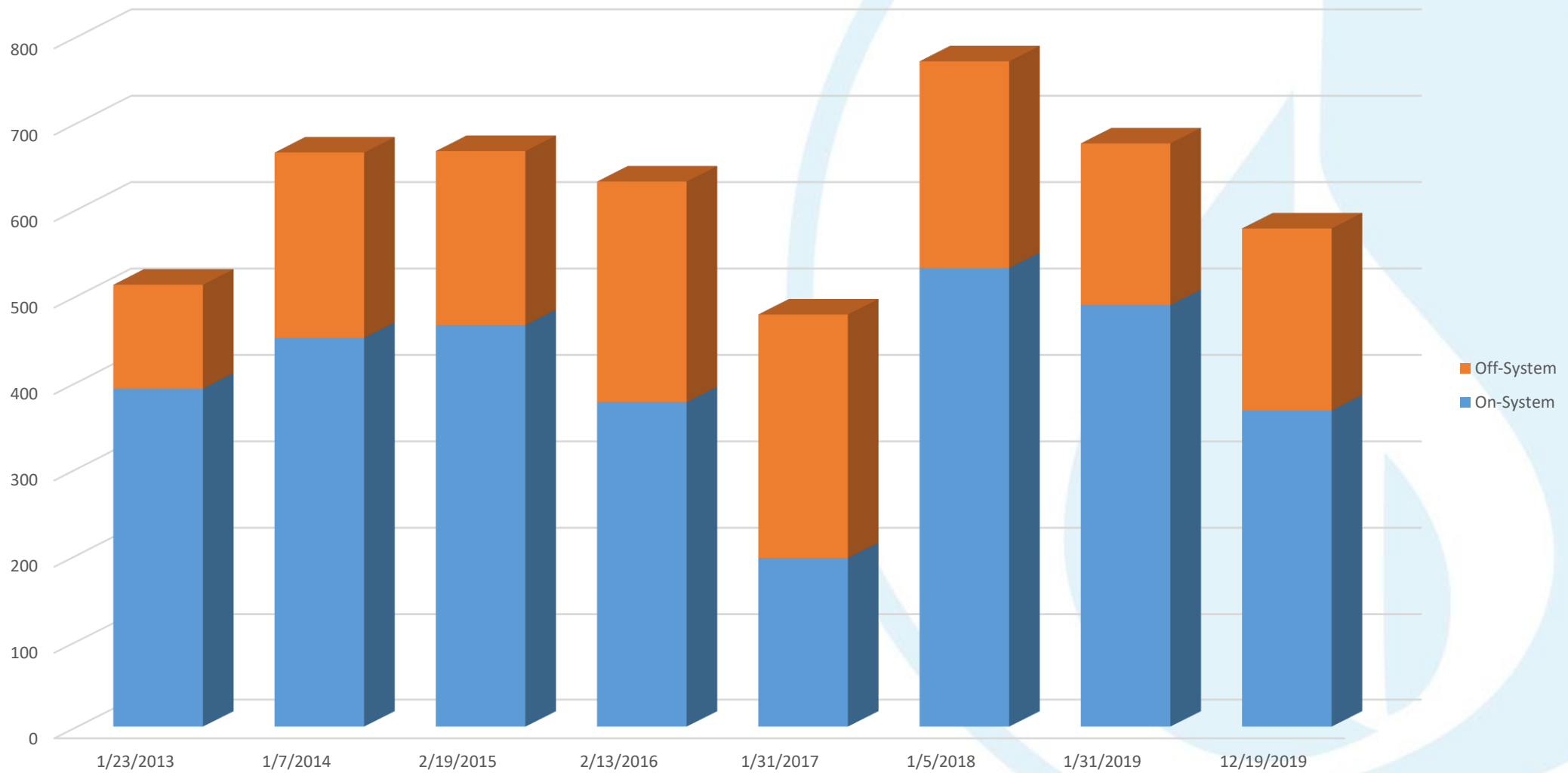
Project	Company	Description	State	Construction		Shutdown of Major Facilities		Section to be Shut Down	Notes
				Start Date	End Date	Start Date	End Date		
New Victor Station	Empire	Outage for measurement installation	NY	Spring 2020	Spring 2020	06/23/20	06/26/20	New Victor station, East Line isolated	See critical notice for details.
Empire Connector MAOP Uprate	Empire	MAOP uprate procedure	NY	06/24/20	06/25/20	06/24/20	06/25/20	Empire Connector	Capacity limited to firm services only. See critical notice for details.
Lysander Meter Run Replacement	Empire	Replace meter runs	NY	08/17/20	08/28/20	08/17/20	08/28/29	Lysander Station	Lysander receipts and deliveries unavailable.

Empire North Project Update

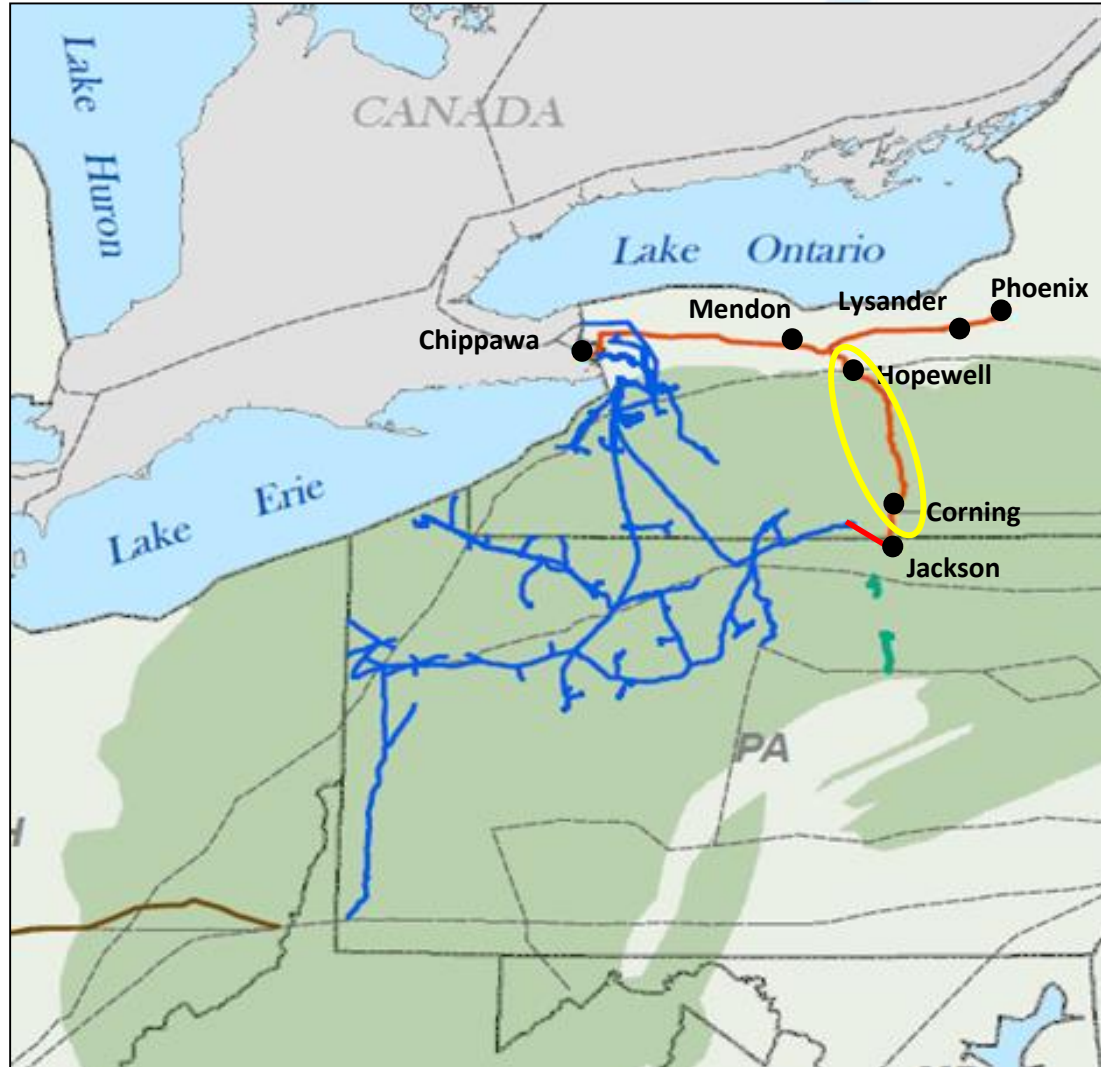
- In-Service: fourth quarter fiscal 2020, still targeting September 1, 2020
- Partial in-service proposed to start July 1, 2020 subject to completion of Jackson station and Connector uprate
- Project Summary
 - Receipt Point: Jackson (Tioga Co., PA production)
 - Design Capacity and Delivery Points:
 - 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



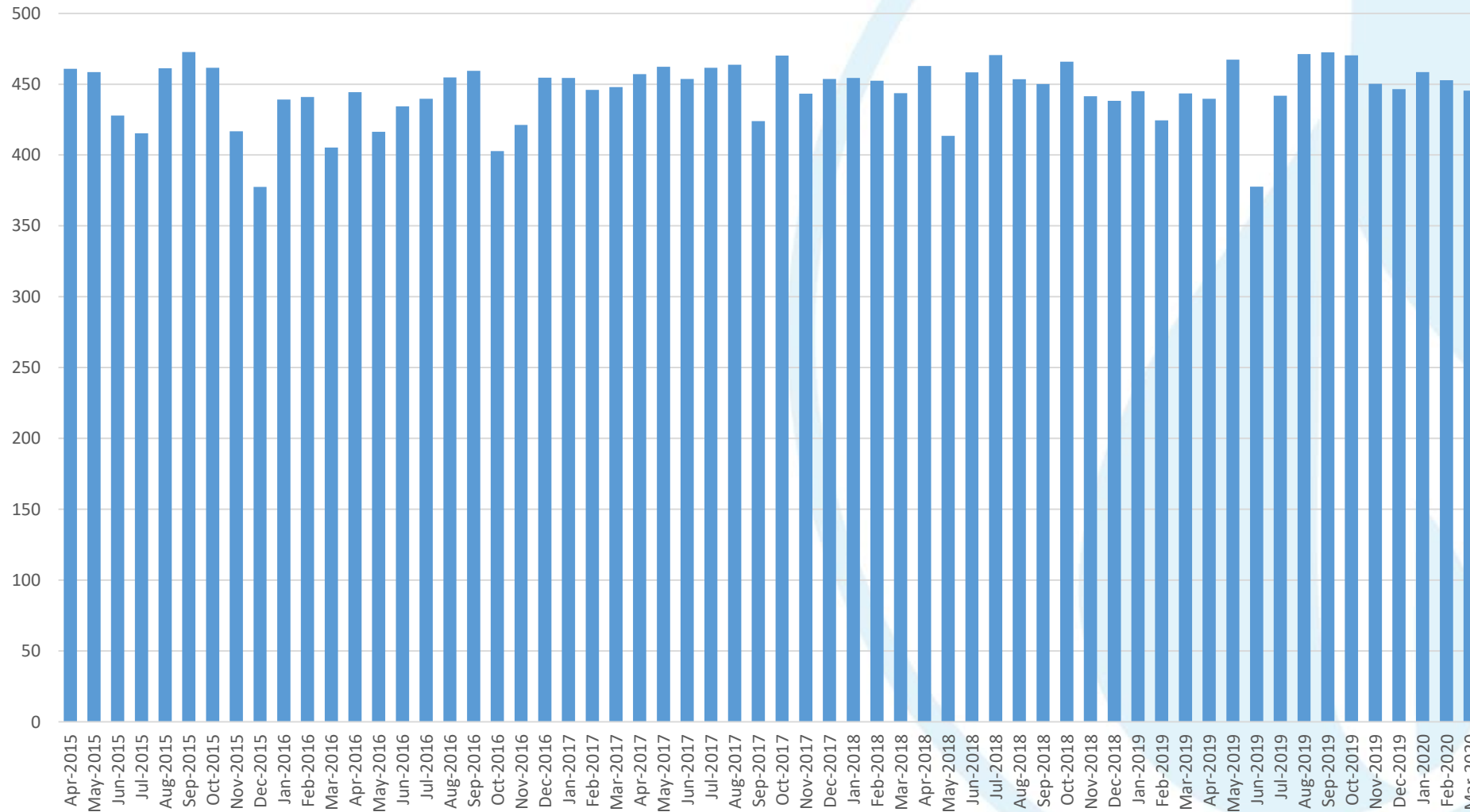
Empire Peak Day Deliveries (MDth)



Empire Connector South to North

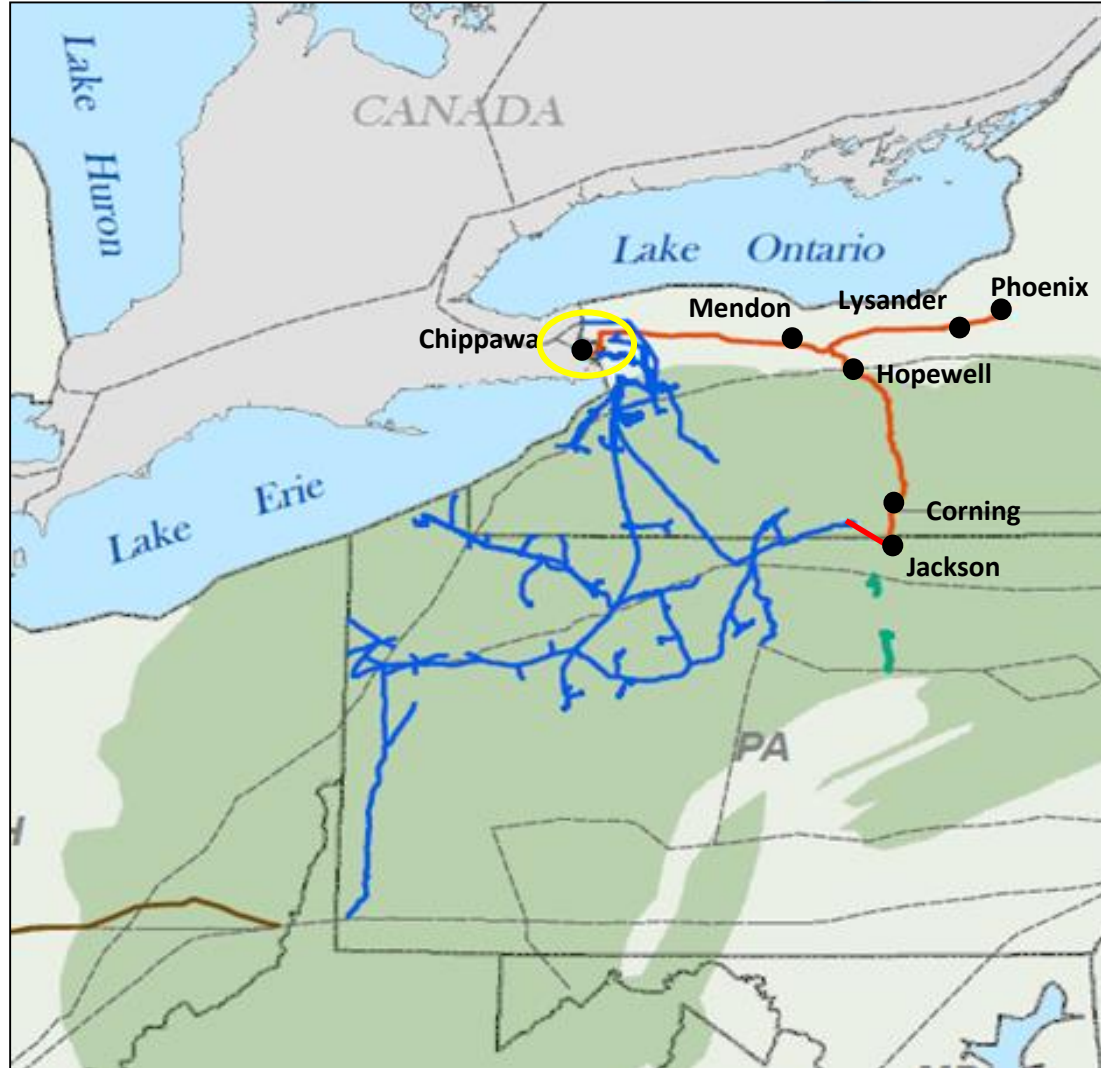


Empire Connector South to North

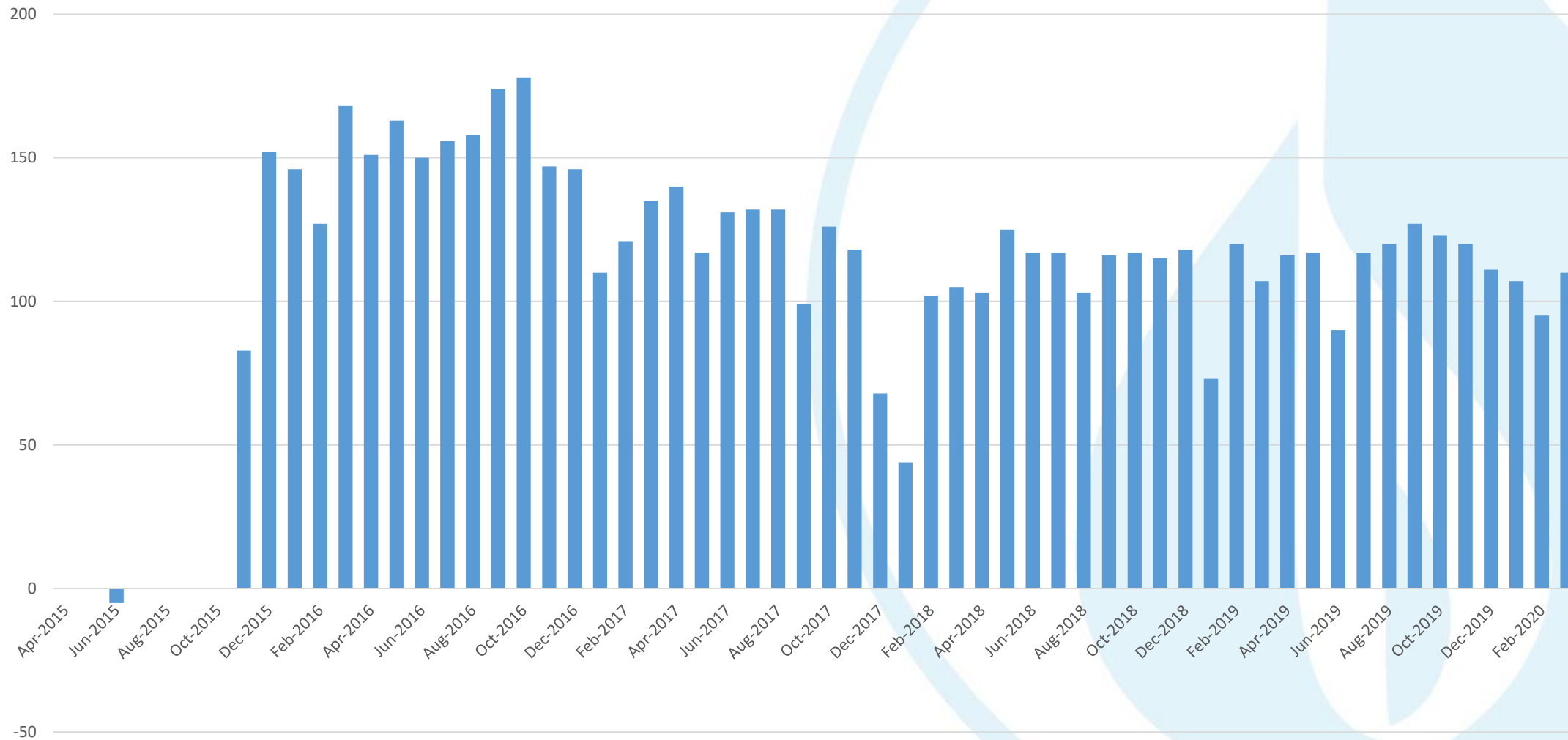


Average Daily Scheduled by Month (MDth)

Chippawa: Delivery to TC Energy

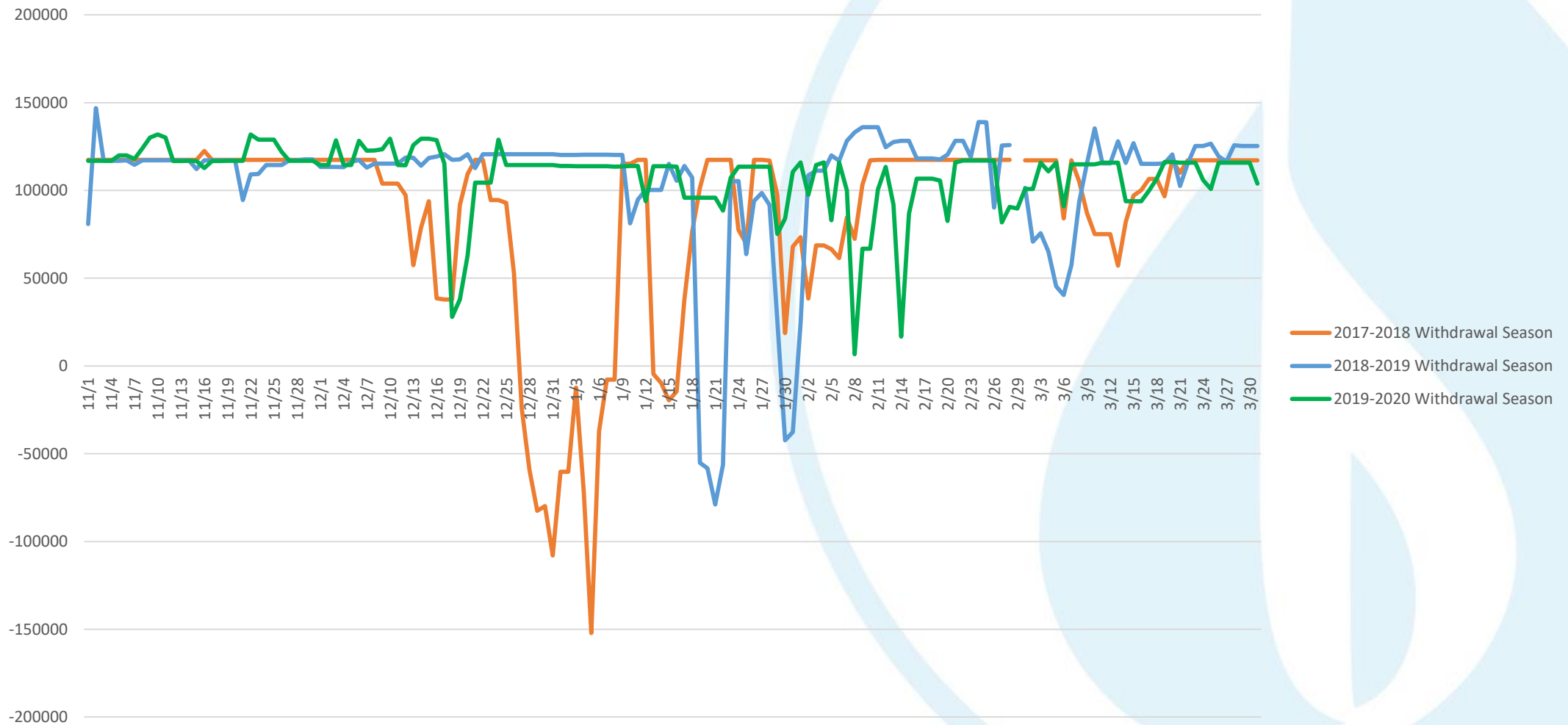


Chippawa: Delivery to TC Energy



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

Chippawa: Delivery to TC Energy



Daily Net Scheduled Deliveries (-Receipts) (MDth)