

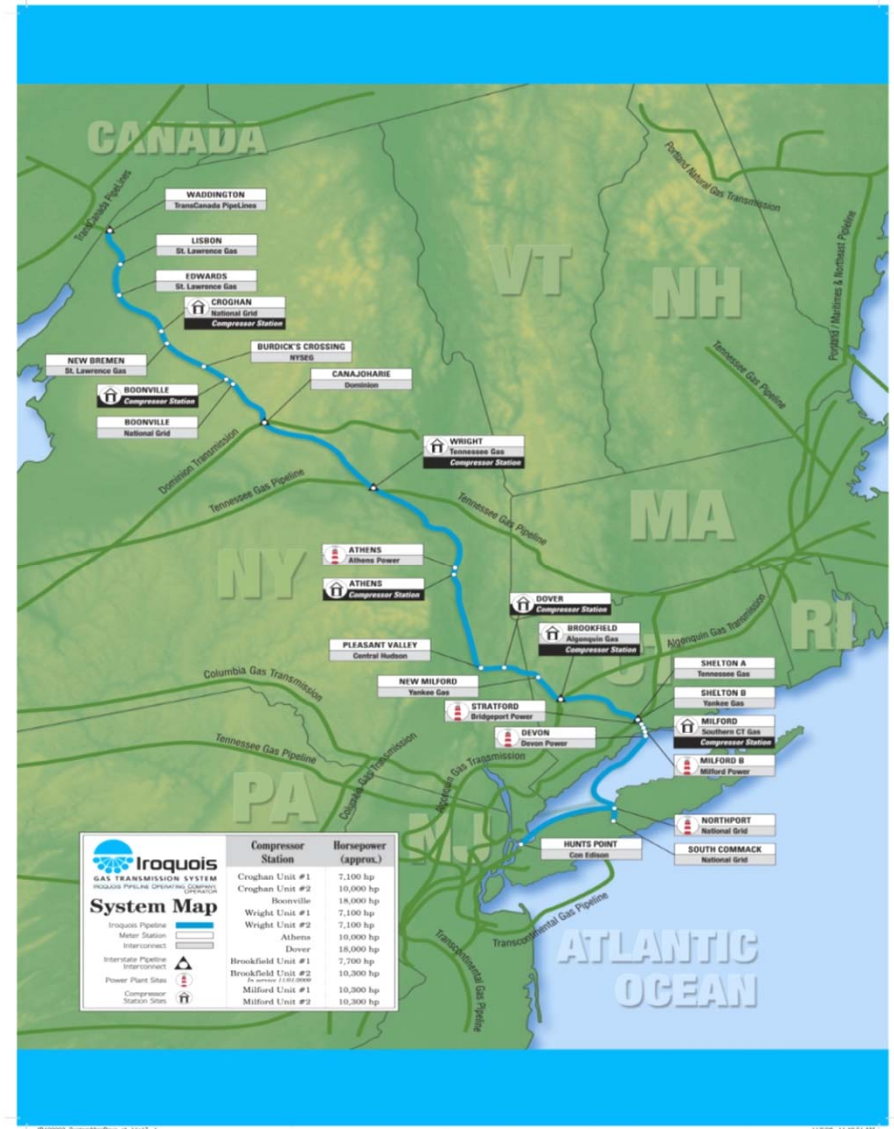


IROQUOIS GAS TRANSMISSION SYSTEM, L.P.

**2017 Northeast Gas Association
Pre-Winter Briefing
Columbia Gas of MA
November 2, 2017**

Iroquois Gas Transmission System, L.P.

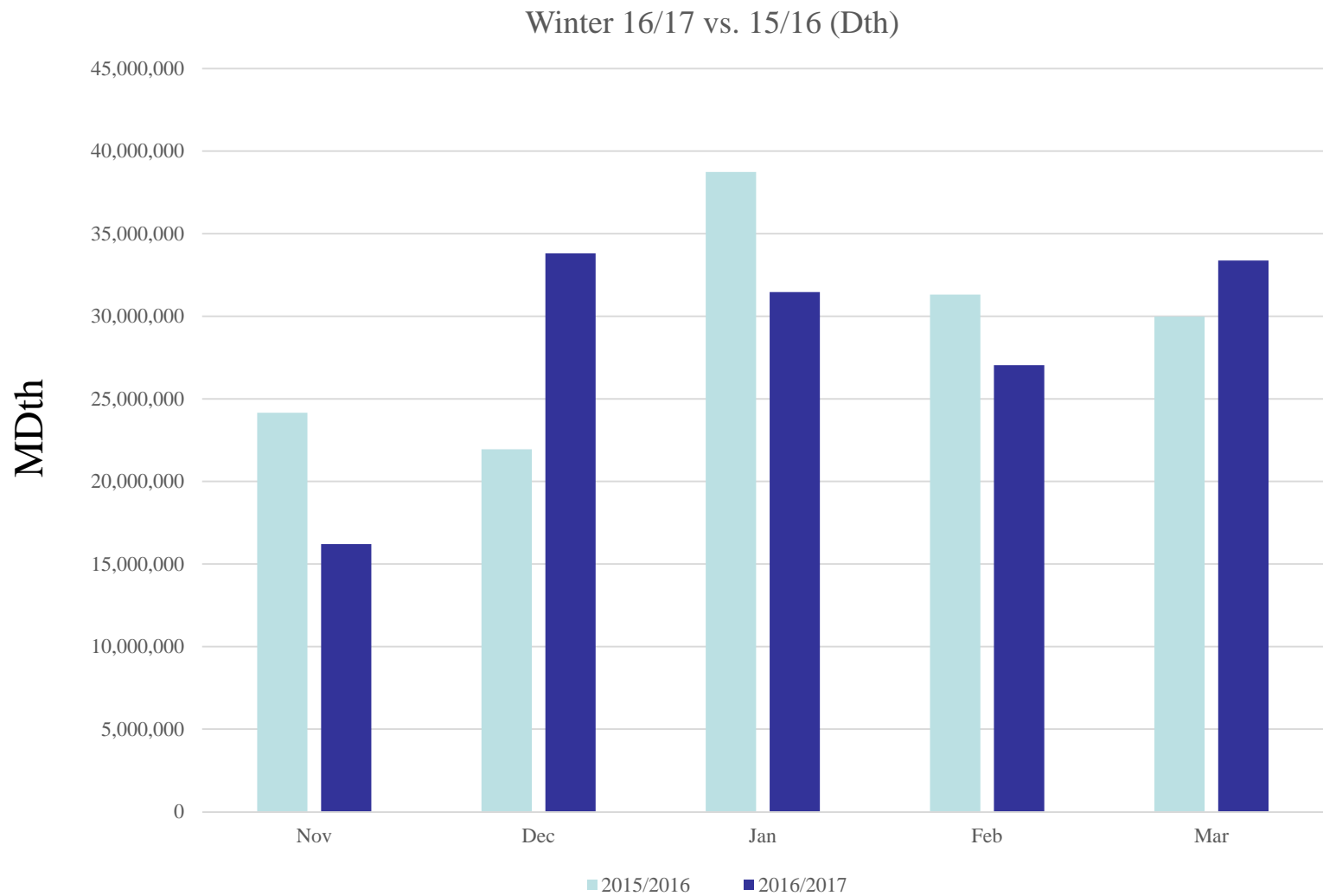
- Commenced Operations in 1991
 - Headquarters in Shelton, CT
 - 84 employees (24 field operating personnel)
 - 24/7 Gas Control monitoring
 - Remote operated valve sites, meters and compressor stations
 - Comprehensive integrity programs
 - Extensive aerial, ground, and "in-line" inspection programs
- Primary Markets
 - Connecticut
 - Long Island
 - New York City
- 1.7 Bcf/d Physical Receipt Capability:
 - TransCanada = 1.2 Bcf/d
 - Algonquin = 0.4 Bcf/d
 - Dominion = .082 Bcf/d (In-service 11/1/17)
 - XNG (Manheim) = .0020 - .0050 Bcf/d
- Piping
 - 416-mile of 30" and 24" pipeline
 - MAOP = 1440 psig
- Pipeline Interconnects:
 - TransCanada
 - Dominion
 - Tennessee (200 and 300 lines)
 - Algonquin
- 7 Compressor Stations – 115,900 HP



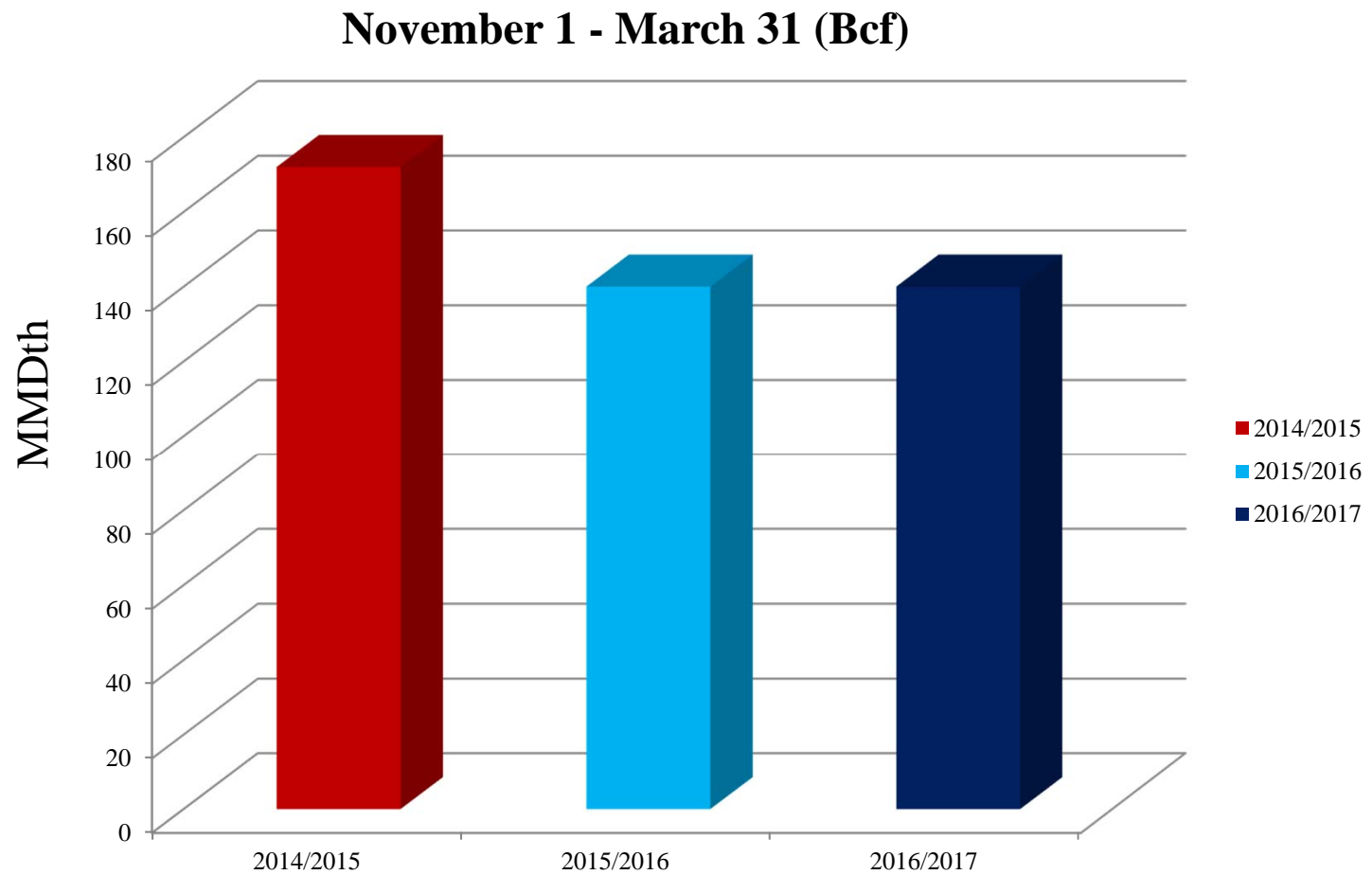
2016/2017 Volumes

- November 1, 2016 – March 31, 2017
- Physical Receipts :
 - Waddington = 94.80 MMDth
 - Peak Day = 1.215 MMDth (03/11/2017)
 - Brookfield = 44.28 MMDth
 - Peak Day = 432,538 Dth (3/25/17)
- Physical Deliveries = 138.5MMdth
- Peak Day Delivery = 1.470 MMDth (2/09/2017)
- Average Daily Delivery = .917 MMdth

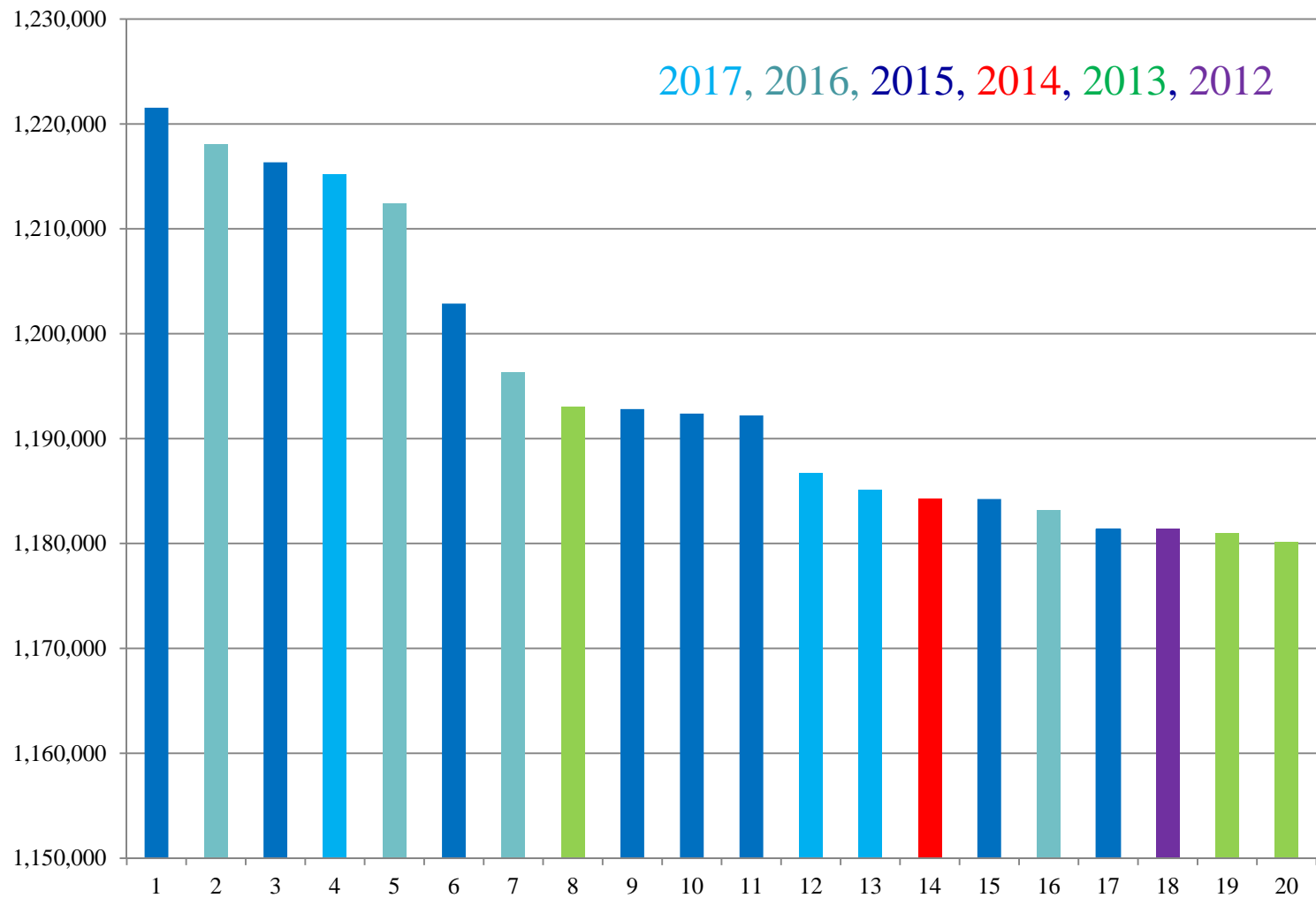
16/17 vs. 15/16 Volumes



3 Year Winter Volumes



Waddington Top 20 Receipt Days (Dth)



Operational Year In Review

- Winter 2016/2017
 - One top five, three top 20 days for Waddington receipts
 - Similar to 15/16
- Northeast Summer
 - Higher Waddington volumes
 - Generation Load – 35% decrease from 2016
- Operational Challenges
 - At operational capacity peak cold days (January – March)
 - Coordinating maintenance across regional infrastructure
 - Dominion Tie in
- Maintenance
 - Completed for 2017
 - Minimal impact to operations

Historical Peak Day/Physical

	Location	Dt/d	Date
Supply	Waddington	1,221,160	2/6/15
	Brookfield	432,538	3/25/17
	Waddington/Brookfield	1,544,556	3/5/15
TGP	Wright TGP	410,471	3/3/16
	Wright & Shelton TGP	509,128	3/3/16
NYF System	South Commack	563,262	2/14/16
	Hunts Point	356,830	1/20/09
	Northport/South Commack/Hunts Point	860,927	2/7/10
	D/S of Milford Compressor Station	912,185	1/12/10
	Total Physical Deliveries – All Meters	1,534,051	3/5/15

2016/2017 Lessons Learned

- Waddington scheduled to capacity on peak cold days
 - Reduced receipts at Brookfield
- Increased deliveries to TGP Gates
 - Wright (200) & Shelton (300)
- Critical Notices
 - No overruns
 - Uniform takes
 - Meter/Point restrictions
- Peak generation loads this past summer
- Increased Gas/Electric Communications helpful

Maintenance 2017

- Spring Maintenance,
 - 24 “ ILI MLV 32– MLV 36
 - 36” ILI – Loop
 - DETI Tie in
- Fall Maintenance,
 - DETI Commissioning (11/1 In Service)
 - VSAT back up (Cell Modem) at MLV's

2017 Winter Outlook

- Maintenance complete – all compression tested
- Forecasted to be colder compared to last winter
- Continued Gas/Electric communication
- New Receipt Points (DETI & XNG)
- Peak day restrictions:
 - Waddington receipts
 - Through Compressor Stations (Wright, Athens & Milford)
 - Operational Flow Orders (OFO's)
 - Uniform flows

