IROQUOIS GAS TRANSMISSION SYSTEM, L.P.

Northeast Gas Association Regional Market Trends Forum

Implications for System Operations & Reliability

May 3, 2018

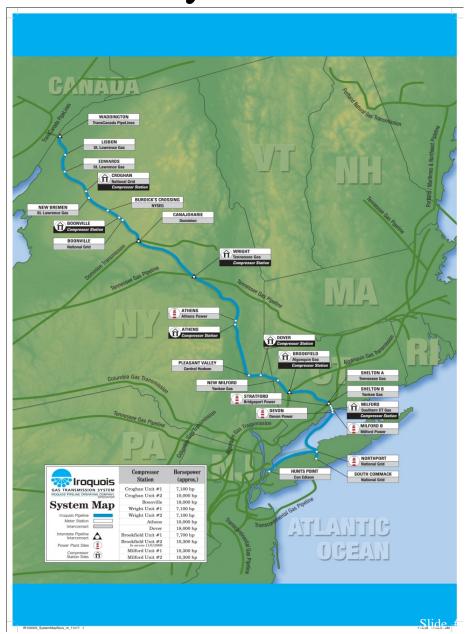
Hartford, CT



Iroquois Gas Transmission System

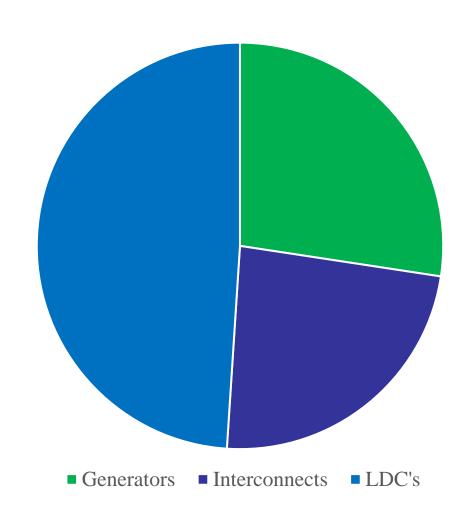
- Commenced Operations in 1991
- **Primary Markets**
 - New York City
 - Long Island
 - Connecticut
- 1.6 Bcf/d Physical Receipt Capability:
 - TransCanada = 1.2 Bcf/d
 - Algonquin = 0.4 Bcf/d
 - Dominion = 0.1 Bcf/d
- **Piping**
 - 416-mile of 30" and 24" pipeline
 - MAOP = 1440 psig
- Pipeline Interconnects:
 - TransCanada
 - Dominion
 - Tennessee (200 and 300 lines)
 - Algonquin
- 7 Compressor Stations 106,400 HP
- Mainline Interzone Rate = $\frac{\$0.37}{\text{Dt}}$ \$0.35 » \$0.33 » \$0.295/Dt (Max. Fuel = 1%)
- Eastchester Rate = $\frac{\$0.635}{Dt}$ \$0.455 » \$0.455 » \$0.395/Dt

(Max. Fuel = 4.5%)



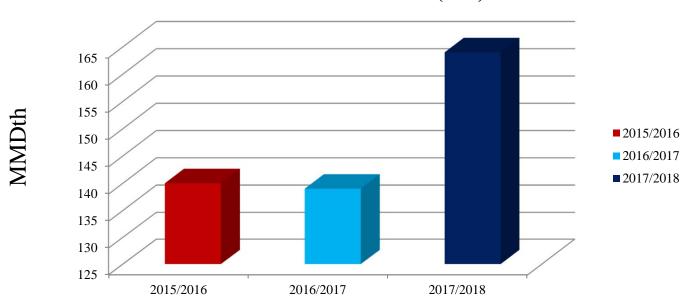
2017/ Volumes Winter Volumes

27.4% Generators, 23.6% Interconnects, 49.0% LDC's



3 Year Winter Volumes

November 1 - March 31 (Bcf)



Historical Peak Day/Physical

| | Location | Dt/d | Date |
|------------|--|-----------|----------|
| Supply | Waddington | 1,221,160 | 2/6/15 |
| | Brookfield | 432,790 | 11/7/17 |
| | 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 | 1,537,971 | 12/14/17 |

Top 10 Total System Deliveries (Dth) 16/17 vs 17/18

| 2017/2018 |
|-----------|
| DTH |
| 1,537,971 |
| 1,523,820 |
| 1,506,366 |
| 1,497,344 |
| 1,495,866 |
| 1,493,712 |
| 1,492,180 |
| 1,480,789 |
| 1,479,013 |
| 1,470,207 |
| |

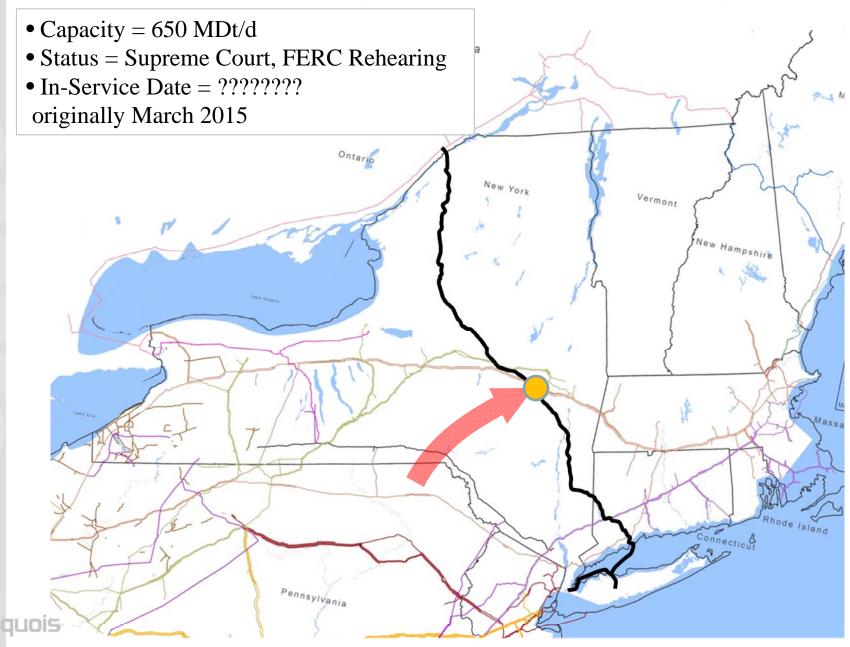
Bomb Cyclone – Winter 2017/2018

• January 5, 2018 NE Gas Spot Prices (High)

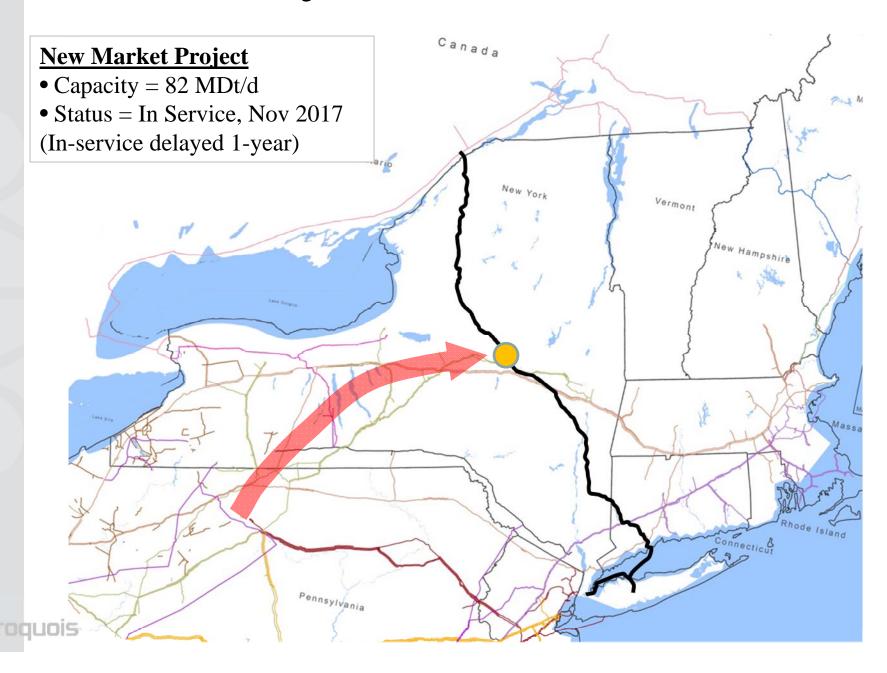
| Iroquois Zone 2 (NYC) | \$113.19 |
|---|----------|
| Algonquin Boston City Gate | \$ 92.64 |
| - TGP Zone 6 (Boston) | \$ 95.32 |
| Transco Zone 6 NY | \$159.60 |
| Transco Zone 5 (Virginia/Carolinas) | \$145.75 |
| Dominion South (Western PA) | \$ 4.49 |

» Source: Platts Gas Daily

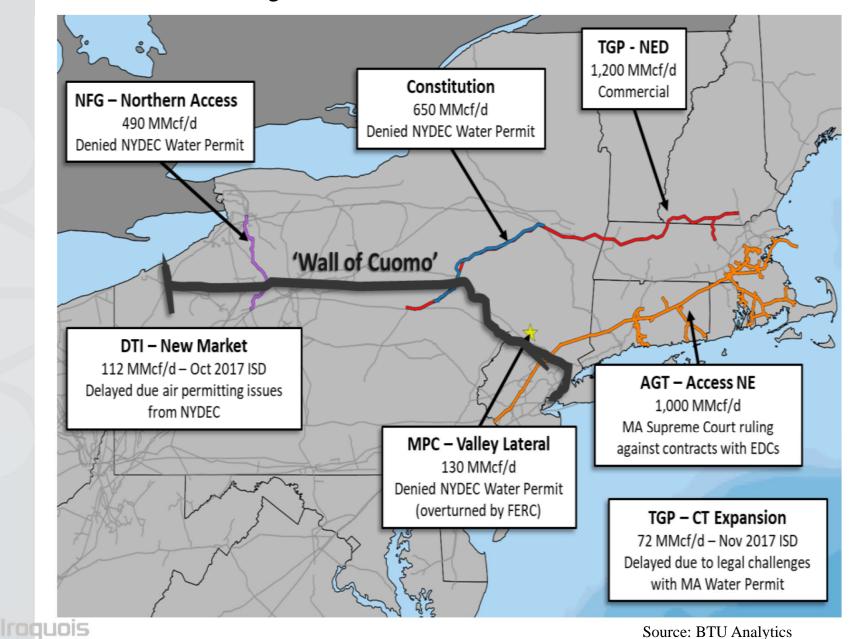
Constitution / Wright Interconnect Project



Dominion Projects

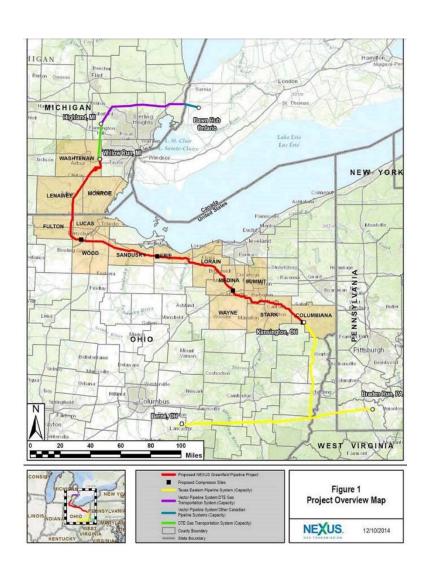


NE Gas Projects and the "Wall of Cuomo"



Nexus Pipeline

- DTE / Enbridge JV
- 255 miles, 36" pipe
- 1.5 BCF/day
- Western Marcellus Shale
 Gas to Dawn Hub
- \$2 Billion
- Anticipated In-service date – late 3Q 2018





Source: FERC

Rover Gas Pipeline

- Energy Transfer Partners/ Blackstone Group
- 713 miles, 42" pipe
- 3.25 BCF/day
- \$4.2 Billion
- Anticipated In-service date – 2Q 2018
- Marcellus Shale Gas to Dawn Hub





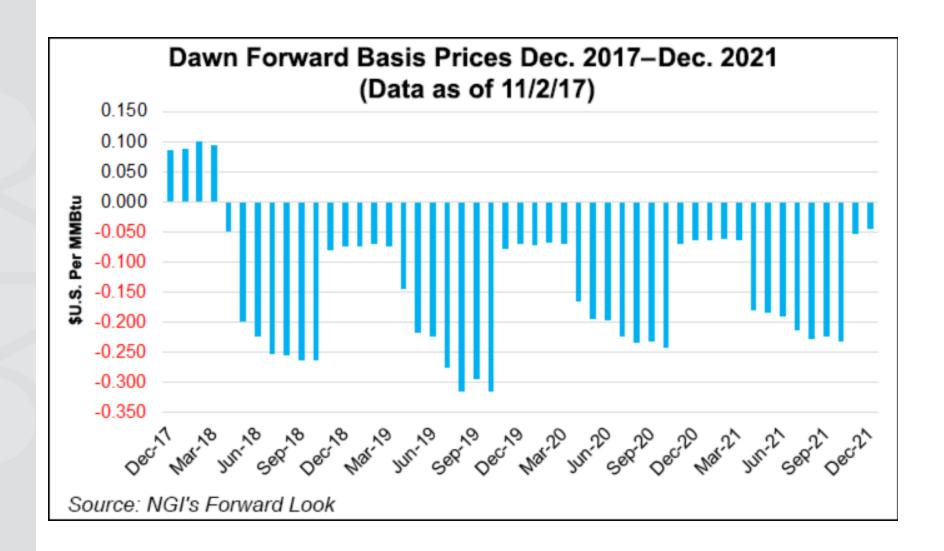
Source: ETP

TransCanada's long term fixed price (LTFP)

- Toll Certainty
 - Evolution of rate structure due to changes in market
 - Hi tolls prior to LTFP \$1.86 CDN/GJ
 - Empress (Alberta) to Dawn (Southern Ontario)
 - 27 new long-haul contracts for a total of **1.5 BCF**
 - Secondary deliveries to select points on GLGT
 - \$0.77 CDN/GJ/day ~ \$0.63 US/Dth/day
 - Choose start date between Nov 1, 2017 and Nov 1, 2019
 - Up to 10-year terms with early termination after 5-years
 - Early termination pay higher rates in final two-years of contract

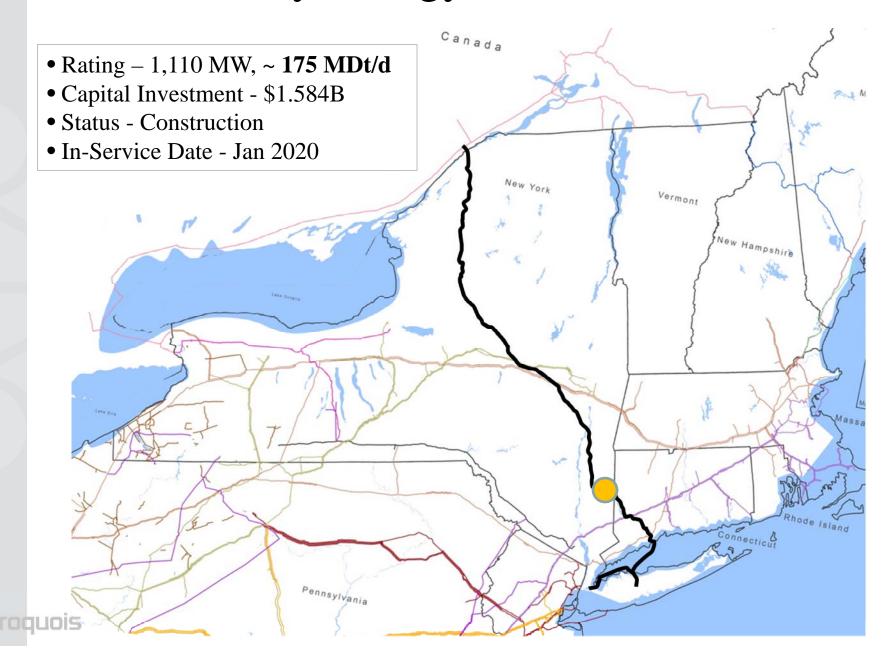


Downward Price Pressure at Dawn

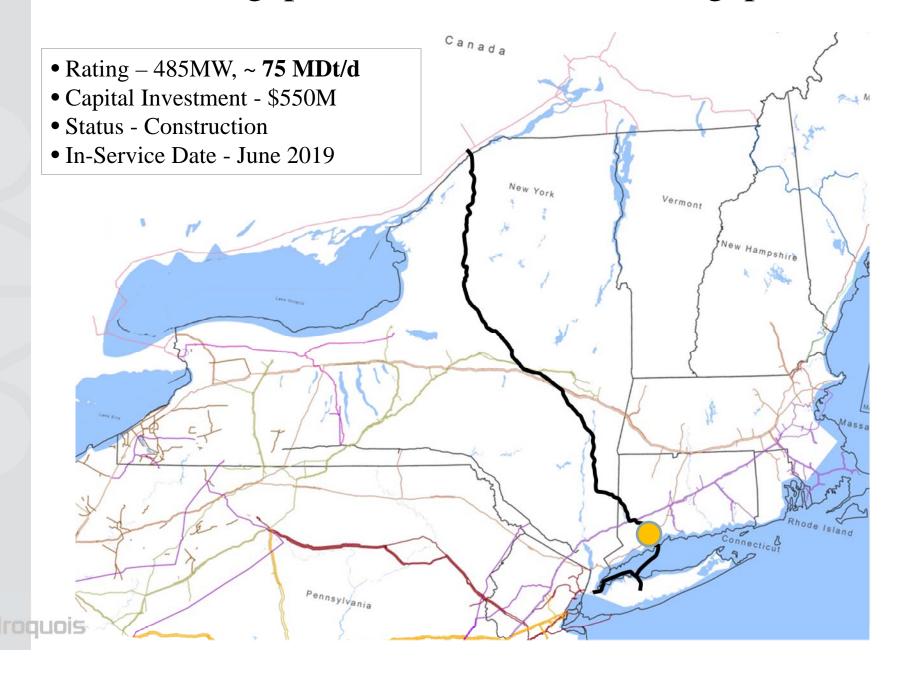




Cricket Valley Energy Center – Dover, NY



PSEG's Bridgeport Harbor Station – Bridgeport, CT



Thank You

