IROQUOIS GAS TRANSMISSION SYSTEM, L.P.

2019 Northeast Gas Association
Pre-Winter Briefing

December 3, 2019
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
2018/2019 Volumes

- November 1, 2018 – March 31, 2019
- Physical Receipts:
  - Waddington = 113.6 MMDth
    - Peak Day = 1.166 MMDth (12/11/18)
  - Manheim = 2.043 MMDth
    - Peak Day = 19,850 Dth (3/19/19)
  - DETI = 11.65 MMDth
    - Peak Day = 130,808 Dth (3/1/19)
  - Brookfield = 31.97 MMDth
    - Peak Day = 403,323 Dth (11/03/18)
- Physical Deliveries = 157.7 MMDth
- Peak Day Delivery = 1.564 MMDth (03/06/2019)
- Average Daily Delivery = 1,044 MMdth
3 Year Winter Volumes

November 1 - March 1 (Bcf)
Winter Deliveries 18/19

LDC 51%

Interconnects 26%

Generation 22%
# Historical Peak Day/Physical

<table>
<thead>
<tr>
<th>Location</th>
<th>Dt/d</th>
<th>Date</th>
</tr>
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<tbody>
<tr>
<td>Waddington</td>
<td>1,221,545</td>
<td>2/6/15</td>
</tr>
<tr>
<td>Canajoharie</td>
<td>130,808</td>
<td>03/01/19</td>
</tr>
<tr>
<td>Brookfield</td>
<td>432,790</td>
<td>11/07/17</td>
</tr>
<tr>
<td>Waddington/Canajoharie/Brookfield</td>
<td>1,554,129</td>
<td>3/6/19</td>
</tr>
<tr>
<td>Wright TGP</td>
<td>410,471</td>
<td>3/3/16</td>
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<tr>
<td>Wright &amp; Shelton TGP</td>
<td>509,128</td>
<td>3/3/16</td>
</tr>
<tr>
<td>South Commack</td>
<td>563,262</td>
<td>2/14/16</td>
</tr>
<tr>
<td>Hunts Point</td>
<td>356,830</td>
<td>1/20/09</td>
</tr>
<tr>
<td>Northport/South Commack/Hunts Point</td>
<td>860,927</td>
<td>2/7/10</td>
</tr>
<tr>
<td>D/S of Milford Compressor Station</td>
<td>912,185</td>
<td>1/12/10</td>
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<tr>
<td>Total Physical Deliveries – All Meters</td>
<td>1,564,045</td>
<td>3/6/19</td>
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**Supply**

**TGP**

**NYF System**
2019 Summer Statistics

• April-September volumes down 19% from 2018
• Direct Connect Power Generation up 16% from 2018
• Algonquin Receipts average 319,120Dth/d
  – 3% Increase from same period last year
• TCPL Receipts average 248,000Dth/d 100 days
  – Similar to 2018 when flowing
• TCPL Deliveries average 40,000Dth - 75 days
• DETI Receipts average 74,000Dth/d 2018 same
Operational Year In Review

- **Winter 2018/2019**
  - New peak delivery day - March
  - Zone 2 scheduled to capacity (restricted as needed)

- **Northeast Summer**
  - Lower over all volumes
  - Generation Load – 16% increase from 2018

- **Operational Challenges**
  - At operational capacity peak cold days (December – April)
  - AGT/Brookfield at capacity (April – November)
  - Coordinating maintenance across regional infrastructure

- **Maintenance**
  - Completed for 2019
  - Minimal impact to operations
2018/2019 Lessons Learned

• Waddington scheduled to capacity on peak cold days
  – Reduced receipts at Brookfield
  – Restrictions MLV 12, MLV 17A, MLV 32

• Increased deliveries to TGP Gates
  – Wright (200) & Shelton (300)

• Critical Notices
  – No overruns
  – Uniform takes
  – Meter/Point restrictions

• Peak generation loads this past summer
Maintenance/Project

• Scheduled Maintenance
  – Spring/Summer Maintenance Completed
  – Replaced main & pilot burners at Dover compressor

• Scheduled Projects
  – Dover Meter Station CVEC
    • Commissioning
  – PSEG Bridgeport Harbor
    • Upgraded Existing Stratford Meter Station
  – Lateral Valve Automation
    • Newtown Loop, Devon, Athens Laterals
2019/20 Winter Operations Update

- Fully Subscribed
- Scheduling to Mirror Winter 2018/19
- Restrictions/Allocations
  - MLV 1, MLV 17A, MLV 32
  - Restrictions/Critical Notices/OFO’s
  - Effects of Late Day Changes
- Maintenance Outages Complete Oct. 11
- New Power Generation Load 2019/20
  - Bridgeport Harbor #5
  - Cricket Valley Energy Center
Summary

• **Summer Operations**
  – 19% Lower volumes
  – Higher power generation loads

• **Maintenance**
  – Test Run Compression

• **2019 - Projects**
  – Dover Meter (CVEC)
  – PSEG – Bridgeport Plant
  – Valve automation

• **Winter ….**