PNGTS: Winter Reliability Update

Northeast Gas Association – Pre-winter Briefing

November 2, 2017
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PNGTS: Part of Major North American Energy Network

PNGTS’ Ownership
TC PipeLines, LP 61.71%
GazMetro 38.29%
TransCanada’s Natural Gas Pipelines

**US Natural Gas Pipelines**

**Size and Scale**
- ~31,000 miles of pipeline
- ~548 BCF of storage
- Serve ~20% of all US deliveries
- ~2,800 employees
- Assets across 37 states

**Strategic Position**
- Pre-eminent position in lowest cost supply basins
- Iroquois & PNGTS provide strategic connectivity in northeast

**Connectivity to High-Value Markets**
- Traditional LDC markets across U.S.
- LNG, power generation and key interconnects

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<tr>
<th></th>
<th>2015</th>
<th>2017</th>
<th>2019</th>
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<tr>
<td>US Gas EBITDA (millions)</td>
<td>$777</td>
<td>$1,782</td>
<td>$2,680</td>
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<td>US Gas % of TC</td>
<td>~13%</td>
<td>~33%</td>
<td>~40%</td>
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In-service 1999

High capacity, existing 24” and 30” pipe-in-ground, thru NH, ME, MA

Backfeeds New England grid

Interconnects with TCPL, TGP, MNE

Delivers Marcellus and other North American supplies
Winter Readiness for PNGTS

- **Annual Maintenance Completed:**
  - Valve maintenance
  - Cathodic Protection Surveys
  - Odorant facility annual pump rebuilds
  - Meter inspections

- **Upcoming Maintenance:**
  - None scheduled for winter months

- **Pipeline**
  - Linepack and throughput targets to be maintained
  - Field Operations checking pipe regularly
    - Periodic checks
    - More frequent during extreme winter conditions

- **PNGTS READY FOR WINTER MONTHS**
PNGTS 24 Hour Contact List

**Gas Control Emergency**
24 Hour Gas Control Emergency: (800) 830-9865

**Field Operations**
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Office: (207) 892-0781
Cell: (207) 838-8512

Carl Nadeau
Office: (603) 788-4299
Cell: (207) 329-5401

**Scheduling/Nominations**
Office: (866) 581-6487

**Volume Planners**
Office: (403) 920-5500