

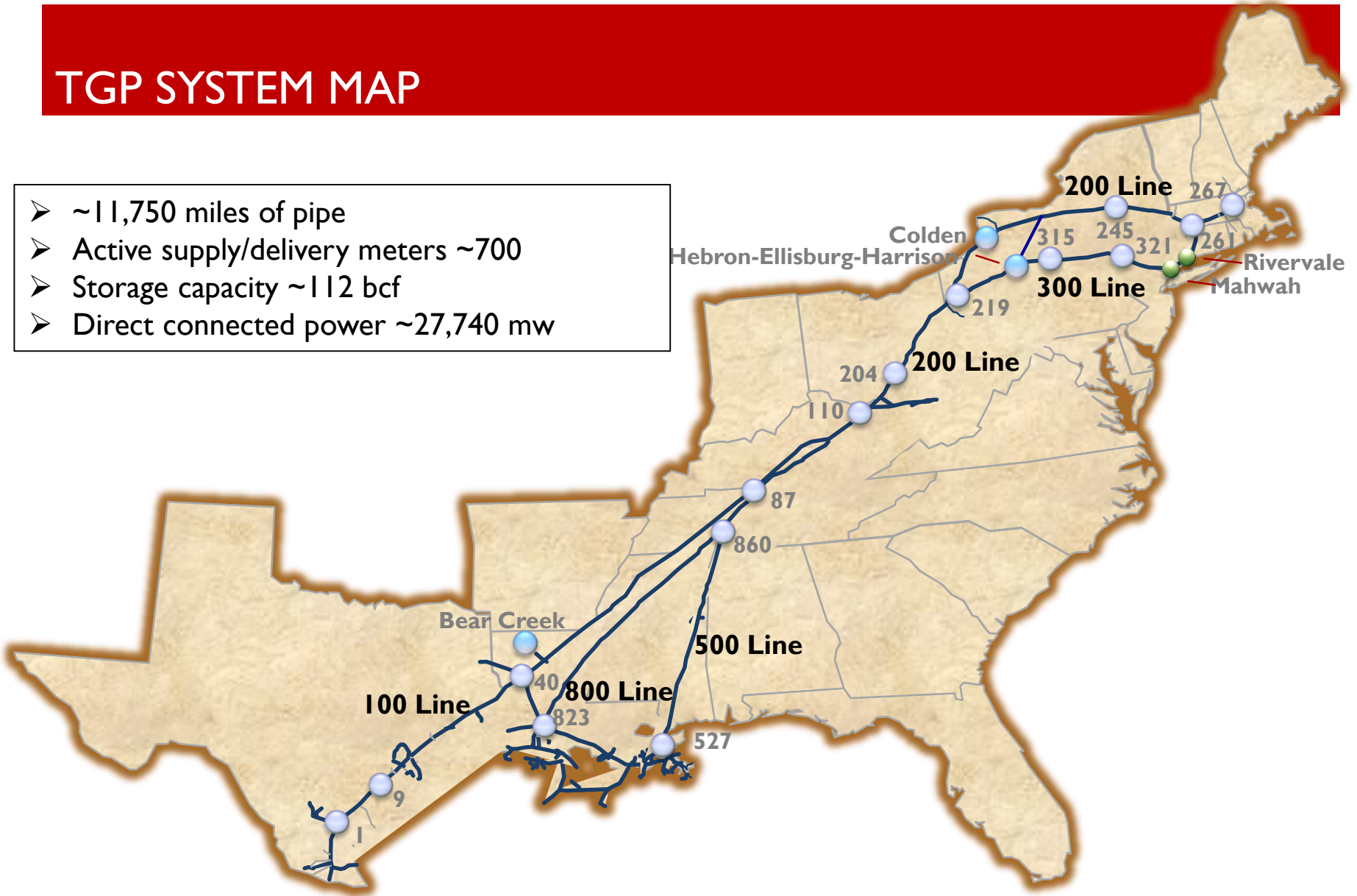
NGA PRE-WINTER BRIEFING DECEMBER 3, 2019

CORALIE CARTER SCULLEY
DIRECTOR – MARKETING



TGP SYSTEM MAP

- ~11,750 miles of pipe
- Active supply/delivery meters ~700
- Storage capacity ~112 bcf
- Direct connected power ~27,740 mw



WINTER 2018 - 2019

- Overview
 - Strong Winter Demand
 - 8 out of the Top-10 All-time System Peak Delivery Days occurred this past winter
 - System-wide throughput increased 6% compared to previous winter
 - Storage Inventories were slightly lower than the prior year's levels at the end of winter
 - System Wide Peak Day was ~11.72 Bcf/d on January 30, 2019
 - Power Plant Peak Day was ~2.16 Bcf/d on January 30, 2019
- Supply
 - Avg Marcellus Supply 4.5 Bcf/d - down from previous Winters (Other projects in-service; Nexus and Atlantic Sunrise)/ More supply coming from Dracut/Distrigas
- Operational Challenges

WINTER 2018 -2019 NORTHEAST FLOWS

	<u>2016-2017</u>	<u>2017-2018</u>	<u>2018-2019</u>	<u>Change</u>
LDC	1,284	1,376	1,582	+15%
Power	266	246	247	+0.5%
Pipeline Interconnects	1,488	1,560	1,524	-2%
TOTAL	3,038	3,181	3,353	+5%

• All volumes are MDth/d

OPERATIONS UPDATE

- Pipeline Integrity ILI
 - Segments inspected: **8**
 - Tools launched and received: **27**
 - Resultant digs for 2019 & 2020 : **None**
 - Scheduled Digs planned for 2021
 - Outstanding inspections reports: **All have been received - No reports will initiate digs this winter!**
- Pipeline Integrity Remediation
 - Completed **43** anomaly digs and **10** ECDA projects (22 additional dig sites)
 - We continue to look for innovative ways to reduce customer impact
 - Dent Fatigue life analysis, foreign crossing review, etc.

WINTER READINESS – NORTHEAST OPERATIONS

■ Scheduled Maintenance

- All routine compressor station maintenance completed in early November.
 - Station/Unit Protective Devices
 - Compressor maintenance
 - Boroscope Inspections and Water Wash
 - Calibration/Testing of monitoring equipment
 - Test run units (as applicable)
- All routine pipeline and meter station maintenance completed in early November. Examples include:
 - Annual Valve Maintenance
 - Auto Closure Checks
 - Device Calibration/Meter Tests (Ongoing)

■ Winter Event Preparation

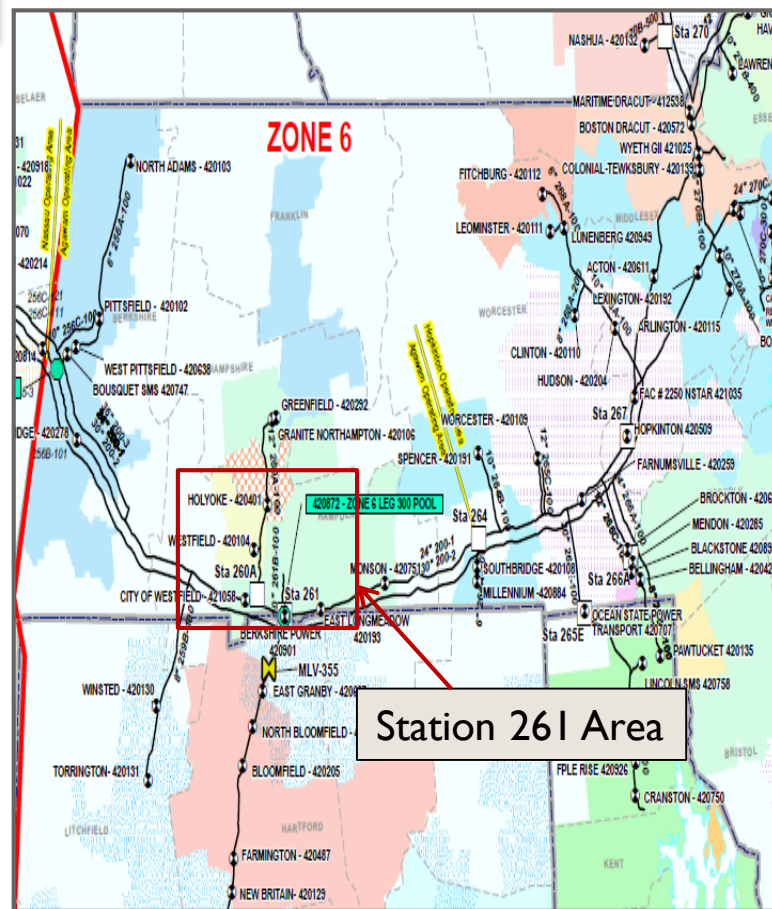
- Check/Test run emergency equipment (i.e. generators, heaters, etc)

Field Operations will be on site at key compressor stations during significant winter events.

NORTHEAST DEVELOPMENT LINE 261 UPGRADE – REGULATORY / PERMITTING PHASE

Details

- Commercial Driver:
 - Residential/commercial gas demand growth
- Capacity: 101,400 Dth/d
- Customer:
 - Columbia Gas of Mass (96,400 Dth/d)
 - Holyoke (5,000 Dth/d)
- Phased In-service: 2019-2020 timeframe
- Project Scope:
 - HP Replacement at Station 261
 - 2 miles of looping Springfield Lateral
- Project Status:
 - FERC 7C Application filed - October 2018
 - Federal Permit applications filed - October 2018



NORTHEAST DEVELOPMENT

EAST 300 UPGRADE – DEVELOPMENT

Details

- Commercial Driver:
 - Residential/commercial gas demand growth
- Capacity: 110,000 Dth/d
- Customer:
 - Consolidated Edison Company of New York
- In-service: November 1, 2023
- Project Scope:
 - Compression only in NJ and PA
- Project Status:
 - BOD approvals - April 2019
 - Binding Open Season - May 2019

