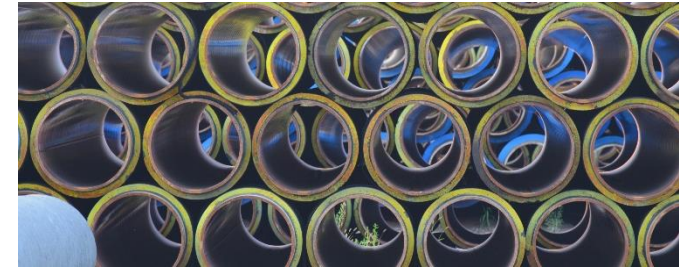




Delivering Energy to Improve Lives

NGA Pre-Winter Meeting

November 5, 2020
Coralie Carter Sculley
Director, Marketing

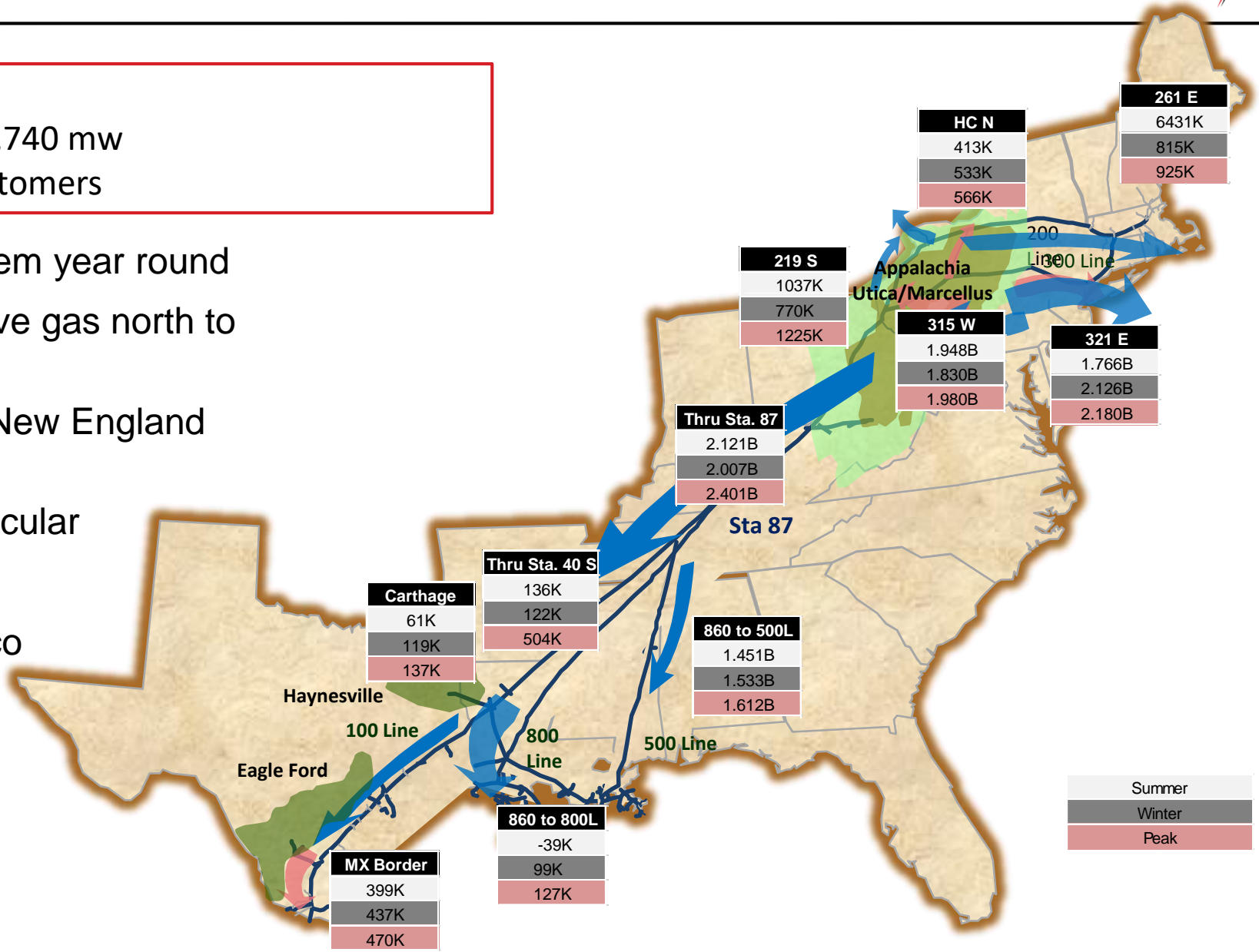


TGP System Overview & Flows



- ~152 BCF of storage
- Direct connected power ~27,740 mw
- >500 firm transportation customers

- High utilization across system year round
- Increasing demands to move gas north to south
- Traditional bottleneck into New England remains
- Power growth- PJM in particular
- Growing LNG Export
- Continued interest in Mexico
- Steady Canadian Exports



- Background
 - March 16 travel restrictions and office closures
 - KM Pandemic Plan Reviewed and subsequently updated to fit this
- Challenges in Division 10
 - Small teams operate key assets (more conservative approach to prevent disablement of small teams)
- Strategy
 - Implement KM plan and add requirements consistent with NE state guidance
 - Separation, distancing masks, hygiene, staggered breaks, etc.
 - SELF REPORTING of any symptoms or household illness
 - Work with employee for on the job isolation, work at home, or pay for quarantine
 - Communicate, communicate, communicate (from a distance!)
- Results
 - Excellent cooperation with self reporting – over 50 issues reported and managed to date
 - Zero positive COVID results in team of ~185 operations employees

Scheduled Maintenance

- Goal to complete routine maintenance by early November.
 - Compressor station maintenance:
 - Station/Unit protective devices – Annual Calibrations
 - Compressor maintenance
 - Borescope inspections and water wash
 - Calibration/Testing of monitoring equipment
 - Test run units (as applicable)
 - Pipeline and meter station maintenance:
 - Annual Valve Maintenance
 - Auto-close checks
 - Device calibration/meter tests (Ongoing)
- Winter Weather Preparation
 - Check/Test run emergency equipment (i.e. generators, heaters, snow handling equipment, etc.)
 - Contingency planning
 - Place personnel on site at key compressor stations during significant winter events.

- Pipeline Integrity - ILI
 - Segments inspected: 3
 - Tools launched and received: 6
 - Resultant digs for 2021: None
 - 10 Digs scheduled for 2021 (2019 ILI)
 - 46 Digs scheduled planned for 2022
 - Outstanding inspections reports: **All have been received - No reports will initiate digs this winter!**
- Pipeline Integrity - Remediation
 - Completed 44 anomaly digs and 3 DA projects
 - SCCDA & ECDA
 - We continue to look for innovative ways to reduce customer impact
 - Dent fatigue life analysis
 - Foreign crossing review, etc.
 - Continued development of engineering analysis

Winter 2019-2020 Northeast Market Flows



	<u>2017-2018</u>	<u>2018-2019</u>	<u>2019-2020</u>	<u>Change</u>
LDC	1,376	1,582	1,516	-4%
Power	246	247	298	+21%
Pipeline Interconnects	1,561	1,526	1,520	-1%
TOTAL	3,183	3,354	3,334	-1%

Volumes are MDth/d

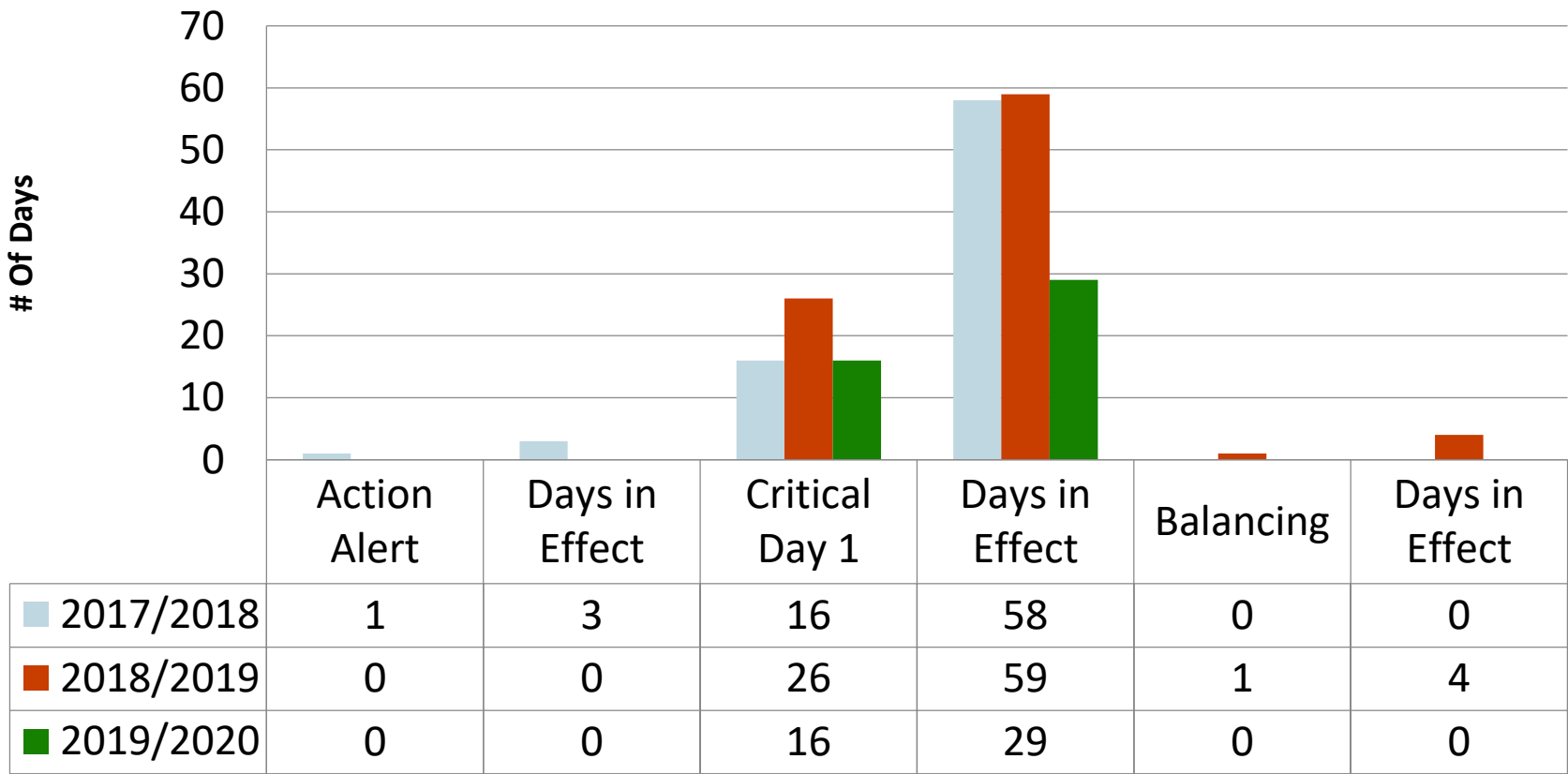
Winter Restrictions



Restricted Point or Highly Utilized TGP Paths	Percentage Days Restricted (Nov – March)	Percentage Days Restricted (Nov – March)	Percentage Days Restricted (Nov – March)
	2017/2018	2018/2019	2019/2020
STA 200/204	68%	0%	1%
STA 245	100%	100%	100%
STA 261	81%	85%	64%
STA 267	68%	2%	0%
MLV 268	38%	9%	3%
MLV 273	76%	99%	70%
STA 315 BH	89%	61%	37%
STA 321	92%	81%	100%
MLV 355 BH	15%	34%	16%
Mahwah	60%	98%	100%
Rivervale	99%	88%	6%

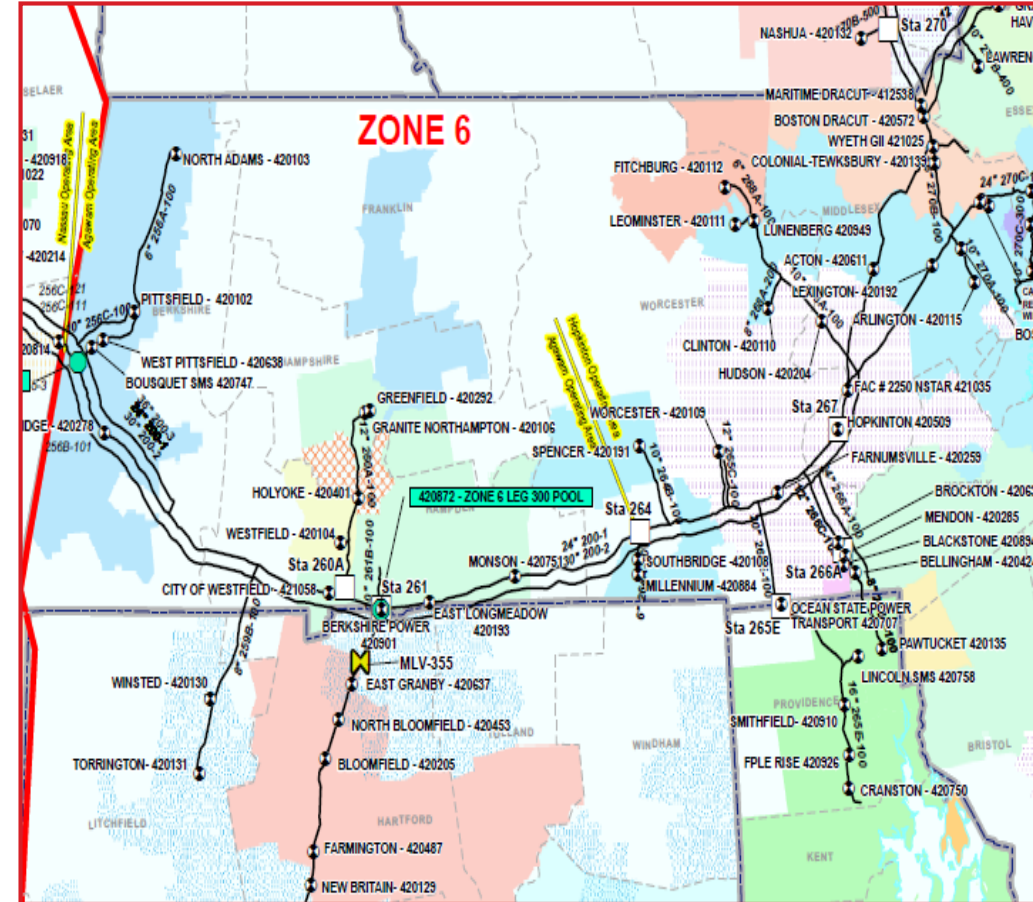
Winter Season OFOs

Zones 4,5&6



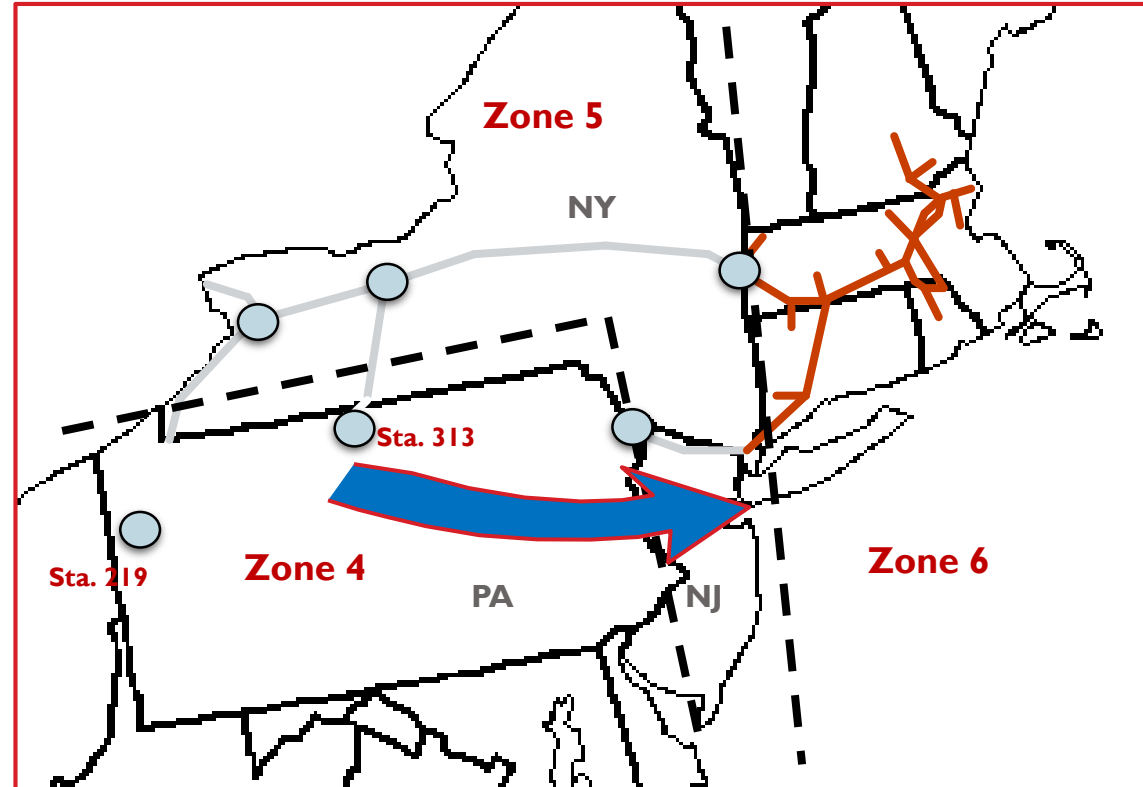
Details

- ❖ Commercial Driver:
 - ✓ Residential/commercial gas demand growth
- ❖ Capacity: 96,400 Dth/d
- ❖ Customer:
 - ✓ Columbia Gas of Mass (now Eversource)
- ❖ Project Scope:
 - ✓ HP Replacement at Station 261
 - ✓ 2 miles of looping Springfield Lateral
- ❖ Phased In-service:
 - ✓ November 2020 – Looping
 - ✓ November 2021 – HP Replacement



Details

- ❖ Commercial Driver:
 - ✓ Residential/commercial gas demand growth
- ❖ Capacity: 115,000 Dth/d
- ❖ Customer:
 - ✓ Consolidated Edison Company of New York
- ❖ In-service: November 2022
- ❖ Project Scope:
 - ✓ Compression only in NJ and PA
- ❖ Project Status:
 - ✓ FERC 7C Application – filed June 30, 2020 (CP20-493)



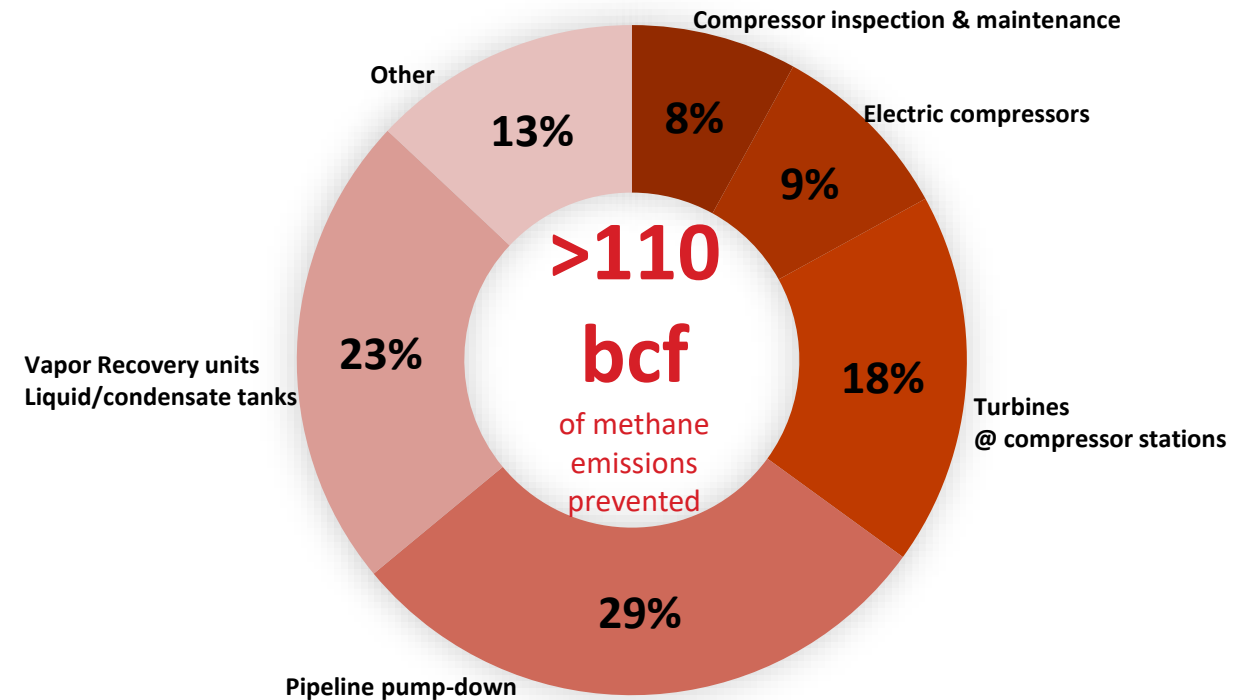
Recognized Industry Leader

ESG Multi-faceted Approach



- Leadership
 - 2019 Emissions Intensity 0.02% TGP; 0.03% KM
 - ONE Future – Founding Member
 - INGAA GHG Task Force
 - Carbon Neutral Pipeline – Ruby
 - EPA Natural Gas STAR & Methane Challenge Programs
- Transparency
 - ESG Report
 - Utilize 3rd Party metrics
- Collaboration
 - Environmental Agencies – studies & new technology
 - Evaluate Opportunity – expansions & new facilities
 - Producers, Shippers & Peers
- Emission Reduction Methods
 - Pipeline pump-down
 - Compressor inspection & maintenance
 - Electric Compressor
 - Vapor Recovery Units
 - Turbines @ compressor stations

ESG RISK RATING^(a)



(a) – as of 8/10/2020