Liquids Pipeline Operators Perspective on Key R&D Challenges Facing Government & Industry

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Outline

- Goal of Zero & The Pipeline Safety Excellence Initiative
  - Industry-Wide Safety Efforts
  - Strategic Priorities
- Current Focus of Research & Development
  - Gaps and Challenges
- Call to Action
Goal of Zero Pipeline Incidents
Drive our Priorities

- Launched the Pipeline Safety Excellence Initiative in 2014
  - Reflects the shared values and commitment of operators
  - Promotes continuous improvement
  - Promotes excellence in safety performance
  - 8 foundational shared pipeline safety principles
Industry-Wide Safety Efforts

- Driven by:
  - Safety Improvement Teams
  - Safety Information Sharing
  - Standards, Recommended Practices and Technical Reports
  - Research and Development
API-AOPL Strategic Priorities

- Annually set to guide industry wide efforts.
- 2016 set four goals:
  1. Improve Inspection Technology Capabilities
  2. Enhance Threat Identification and Response
  4. Boost Response Capabilities
Current Focus of Liquids Pipeline R&D

1. Advancing ILI Technologies
2. Improving Threat Assessment & Identification
3. Leak Detection Technology Advancement
4. Hydrostatic Pressure Testing
Improvements to Liquids Pipeline Industry R&D

- Governance ‘Upgrades’ at PRCI
- $17 million of in-flight research, with $11.7 million in 2016 contributions
- Increased Focus and Investment by Individual Companies
- R&D and Innovation is a Strategic Opportunity
Key Industry & Government Challenges

- ILI Detection Capabilities
- Anomaly Detection/Characterization
- Interacting Threats
- Small Leak Detection
- Damage Prevention
Call to Action

- Remove Barriers
- Be Open About Our Challenges
- Don’t Be Satisfied With The Status Quo
- Develop Culture Of Innovation – Make It The Norm!

GOAL OF ZERO