

# Building Confidence in Pipeline Safety

*A strategic plan by members of the Interstate Natural Gas Association of America*

In December 2010, INGAA's Board of Directors established a board-level task force to pursue ways to further improve the industry's safety performance and restore public confidence in the natural gas pipeline infrastructure. In March 2011, INGAA members formally adopted a set of Guiding Principles for pipeline safety.



***We are fully committed to pipeline safety & reliability***

## Five Guiding Principles for Pipeline Safety

- 1. Our goal is zero incidents** - a perfect record of safety and reliability for the national pipeline system. We will work every day toward this goal.
- 2. We are committed to safety culture** as a critical dimension to continuously improve our industry's performance.
- 3. We will be relentless in our pursuit of improving by learning** from the past and anticipating the future.
- 4. We are committed to applying integrity management principles on a system-wide basis.**
- 5. We will engage our stakeholders**—from the local community to the national level—so they understand and can participate in reducing risk.

### INGAA Member Companies

- » Alliance Pipeline Ltd.
- » Boardwalk GP, LLC
- » Cheniere Energy, Inc
- » Columbia Pipeline Group
- » Dominion
- » DTE Pipeline Company
- » Enable Midstream Partners
- » Enbridge Energy Company, Inc.
- » EQT Corporation
- » Iroquois Pipeline Operating Company
- » Kinder Morgan
- » National Fuel Gas Company
- » National Grid
- » NextEra Energy
- » ONEOK Partners
- » Pacific Gas & Electric Company
- » Piedmont Natural Gas
- » Questar Pipeline Company
- » Sempra Pipelines and Storage
- » Southern Star Central Gas Pipeline
- » Spectra Energy
- » TransCanada Corporation
- » WBI Energy Transmission, Inc.
- » Williams Gas Pipeline Company

## Priority Issues for the Pipeline Safety Task Force

- **Stakeholder Engagement and Outreach:** Two-way communication with meaningful performance measures. Actively promote the Pipeline and Informed Planning Alliance, a joint government-industry-stakeholder group.
  - **Risk Management:** Continued application and enhancement of risk-management concepts beyond the current regulatory requirements, which centers on high-consequence areas, including a comprehensive threat analysis for all transmission pipelines.
  - **Integrity Management Tools:** Enhance corrosion control methods and anomaly management protocols.
  - **Pipelines Built Prior to PHMSA Regulations:** Develop an inventory and enhance protocols to manage integrity.
  - **Technology Development and Deployment:** Improve crack-
- detection tool capability; develop protocols for material threat management; work with PHMSA to produce an R+D roadmap; and define assessment alternatives for non-piggable pipelines.
- **Management Systems:** Apply safety culture principles to drive and enhance safety practices across the industry.
  - **Emergency Preparedness and Response:** Update isolation valve evaluation; enhance public awareness of pipelines. Enhance emergency responder communication and education regarding pipeline locations and appropriate response to pipeline emergencies.
  - **New Construction:** Fully implement the 2010-2011 INGAA Foundation Pipe Quality and Construction Action Plans.