Interstate Natural Gas Association of America
INGAA Action Plan
to Build Confidence in Pipeline Safety

Pipeline Safety Trust Conference – Salt Lake City, Utah
Larry Hjalmarson, Vice President of Safety, Environmental and Pipeline Integrity, Williams Gas Pipeline
March 15, 2012
The catastrophic events

• 1937, school explosion, killed 293 students and teachers → Odorant

• 1965, pipeline explosion killed 17 in Louisiana → Office of Pipeline Safety in 1970

• 1999 and 2000, Bellingham and Carlsbad → Integrity Management Rule

• In 2010, San Bruno ...

→ Apply IMP Everywhere → Zero Failures

March 18, 1937
New London, Texas
Williams catastrophic events

September 14, 2008
Appomattox, Virginia

December 3, 2011
Sweet Water, Alabama
**INGAA**

**Guiding Principles of Pipeline Safety**

- **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.*

- **We are committed to safety culture** as a critical dimension to continuously improve our industry’s performance.

- **We will be relentless in our pursuit of improving** by learning from the past and anticipating the future.

- **We are committed to applying integrity management principles on a system-wide basis.**

- **We will engage our stakeholders** - from the local community to the national level - so they understand and can participate in reducing risk.
INGAA Members 9 Step Action Plan

- Apply Risk Management beyond High Consequence Areas (HCAs)
- Raise the Standards for Corrosion Anomaly Management
- Demonstrate Fitness for Service on Pre-Regulation Pipelines
- Shorten Pipeline Isolation and Response Time to 1 Hour
- Improve Integrity Management Communication and Data
- Implement the Pipeline and Informed Planning Alliance (PIPA) Guidance
- Evaluate, Refine and Improve Threat Assessment and Mitigation
- Foster a Culture of Continuous Improvement
- Provide Forums for Stakeholder Engagement and Emergency Officials
# IMCI Action Teams

<table>
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<th>1. Stakeholder Outreach</th>
<th>Two-way communication with meaningful performance measures. Actively promote PIPA (Pipeline and Informed Planning Alliance)</th>
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<tr>
<td>2. Risk Management</td>
<td>Apply risk management concepts beyond High Consequence Areas (HCAs) with comprehensive threat analysis</td>
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<td>3. Integrity Management Tools</td>
<td>Enhance corrosion control methods and anomaly management protocols</td>
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<td>4. Pipelines Built Prior to PHMSA Regulations</td>
<td>Develop inventory and protocols to manage integrity</td>
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| 5. Technology Development & Deployment | • Improve crack-detection tools & management  
• Work with PHMSA to produce a R&D road map, and  
• Define assessment alternatives for non-piggable lines                                                  |
| 6. Management Systems   | Apply safety culture principles to drive learning across the industry                                      |
| 7. Emergency Preparedness Response | Update isolation valves automation and enhance public awareness                                           |
| 9. Storage              | Clarify regulatory oversight for storage facilities                                                     |
What is Needed?

Holistic Approach to Pipeline Safety

- Address NTSB’s concerns, set a path and prioritize actions to eventually achieve zero failures.
- The Pipeline Safety Act has been reauthorized. Help PHMSA craft rules that achieve these goals in a practical way that maintains delivery of this vital fuel to our cities.
- Stronger state and federal excavation damage prevention measures
- Industry
  - R&D
  - Share lessons learned
  - Infuse best practices
  - Invest in next generation of workers and safety tools
  - Make safety culture an integral part of the pipeline industry day in and day out

Effective pipeline safety is a shared responsibility - and requires active engagement between operators, the government and the public
Summary

• Relentless improvement gets us to the goal of zero
• Risk management is our central strategy
• Our success depends upon active engagement of all stakeholders

• We are ...
  - Listening to the public
  - Working with all stakeholders
  - Making our pipelines safer