

# Pipeline Safety Excellence™



*Pipeline Safety Excellence™* is the liquid pipeline industry's new pipeline safety performance initiative. It reflects the shared values and commitment of pipeline operators to building and operating safe pipelines.

# Pipeline Safety Excellence™



Pipeline operators are increasing the safety of their pipelines and improving the pipeline safety performance of their companies through:

- 1 **Shared Pipeline Safety Principles**
- 2 **Continuous Industry-Wide Pipeline Safety Efforts**
- 3 **Annual Pipeline Safety Performance Reporting**
- 4 **Annual Pipeline Safety Strategic Planning**

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## Shared Pipeline Safety Principles

Pipeline safety values jointly embraced by members of API and AOPL

- Zero Incidents
- Organization-Wide Commitment to Safety
- Safety Culture
- Continuous Improvement
- Learn from Experience
- Safety Systems for Success
- Employ Technology
- Communicate with Stakeholders

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## Continuous Industry-Wide Safety Efforts

Pipeline Safety Excellence Steering Committee

Performance Excellence Team

Pipeline Integrity Work Group

Operations & Technical Group

Cybernetics Group

Leadership Teams

Operator Qualification Work Group

Public Awareness Group





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**\$1.6 BILLION**

AMOUNT SPENT BY LIQUID PIPELINE OPERATORS TO EVALUATE, INSPECT AND MAINTAIN THEIR PIPELINES IN 2012

**99.9999%**

PERCENTAGE OF BARRELS OF CRUDE OIL AND PETROLEUM PRODUCTS THAT PIPELINES DELIVER SAFELY EACH YEAR

**Annual Performance Reporting**

**-62%**

NUMBER OF RELEASES FROM U.S. LIQUID PIPELINES 2001-2012

**-47%**

NUMBER OF BARRELS RELEASED FROM U.S. LIQUID PIPELINES 2001-2012

**14.1 BILLION**

BARRELS OF CRUDE OIL & PETROLEUM PRODUCT DELIVERED BY PIPELINE IN 2012

**185,599**

**9**

MILES OF LIQUID ONSHORE TRANSMISSION PIPELINE OPERATED IN 2012

**\$20 MILLION**  
AMOUNT OF INDUSTRY PIPELINE SAFETY R&D PROJECTS ONGOING

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## **2014 Strategic Goals for Pipeline Safety Performance Improvement**

**GOAL 1: IMPROVE INSPECTION  
TECHNOLOGIES**

**GOAL 2: ENHANCE THREAT  
IDENTIFICATION & RESPONSE**

**GOAL 3: EXPAND SAFETY CULTURE &  
MANAGEMENT PRACTICES**

**GOAL 4: BOOST RESPONSE  
CAPABILITIES**

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Strategic Initiative 1: Improve with Comprehensive and Accelerated R&D the Capabilities of In-Line Inspection (ILI) Technologies to Detect and Diagnose Cracks



Outcome: ILI Crack Tool Capability Results



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Strategic Initiative 2: Develop an API Recommended Practice on Crack Detection, Analysis and Response, with an Emphasis on Seam-Related Cracks



Outcome: Industry-Wide Crack Tool Recommended Practice



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Strategic Initiative 3: Develop Industry-Wide Guidance on Implementing Threat Data Integration Programs and Activities

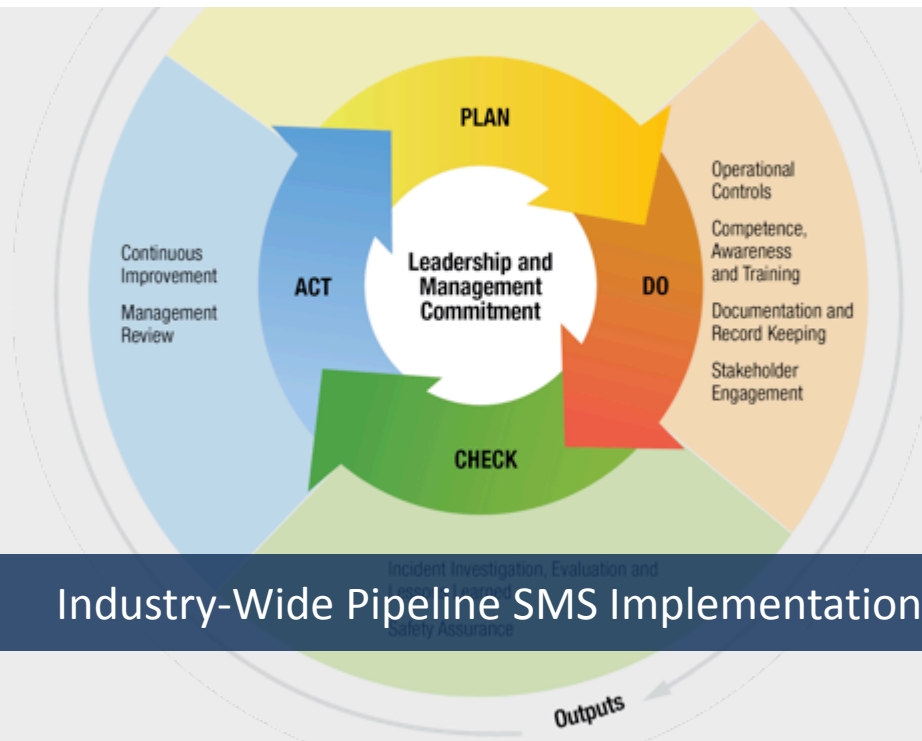


Outcome: Industry-Wide Data Integration Guidance

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Strategic Initiative 4: Deploy Newly Developed Pipeline Safety Management System to Improve Pipeline Safety Performance



Outcome: Industry-Wide Pipeline SMS Implementation Program

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Strategic Initiative 5: Foster Pipeline Safety Culture with an Industry-Wide Sharing, Learning and Improvement Program



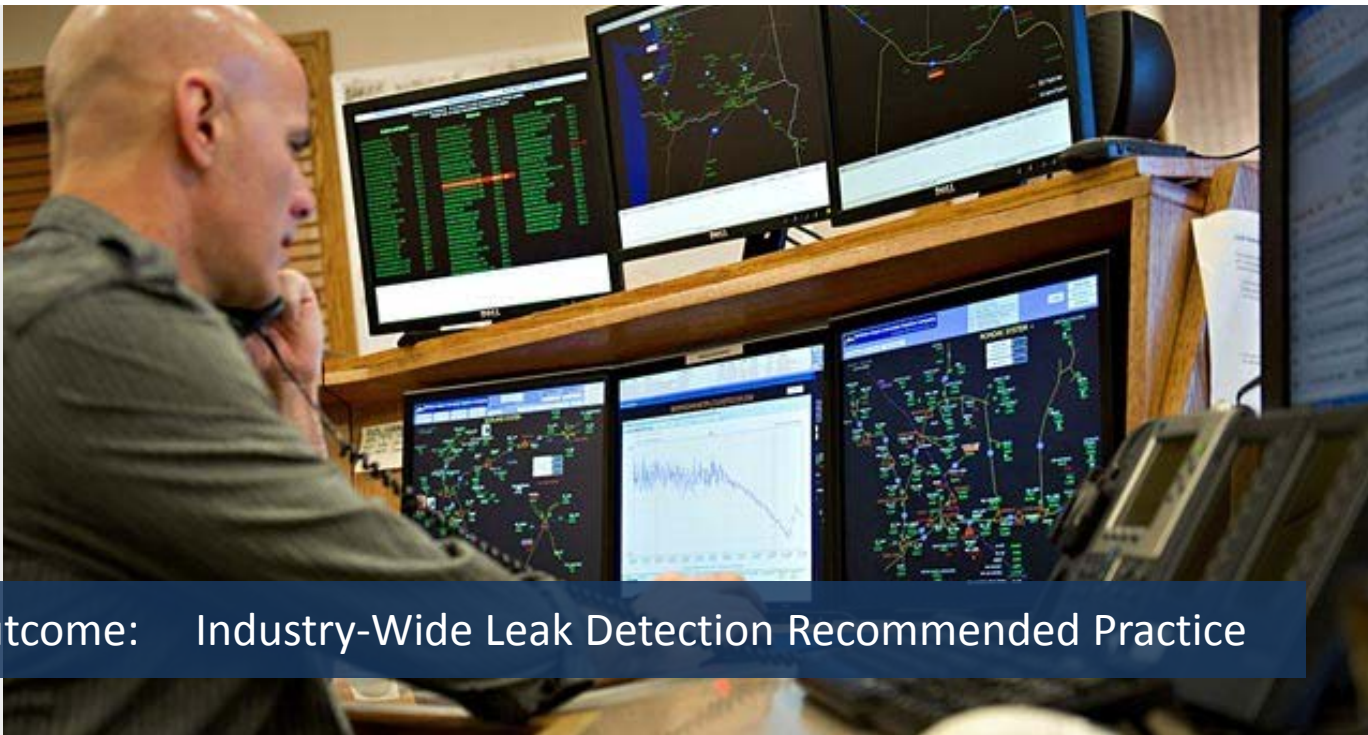
Outcome: Industry-Wide Sharing, Learning & Improvement Program



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Strategic Initiative 6: Develop an API Recommended Practice for Operator Leak Detection Management



Outcome: Industry-Wide Leak Detection Recommended Practice

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Strategic Initiative 7: Deploy a Nation-Wide Pipeline Emergency Response Training, Outreach and Standards Program



Outcome: Industry-Wide Recommended Practice & First Responder Training



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Continuously Improving Pipeline Safety Until We Reach  
the Ultimate Goal of Zero Incidents