

# API Pipeline Conference

April 21, 2009

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Operations & Technical Committee  
**“OTC”**

**2008 Review & 2009 Focus**

Kevin Bodenhamer, EPCO, Inc.

# 2009 OTC Structure

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Chair:

**Brian Williams**

Kinder Morgan Energy Partners

Vice Chair:

**David Pearson**

Colonial Pipeline Company

API Representative:

**Peter Lidiak**

Director, Pipeline Segment

# OTC Primary Focus Areas

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- Pipeline Standards
- Subcommittee Oversight
- Emerging Operational and Technical Issues
  - Industry Interaction
- Research and Development
- Roundtable Discussions – Shared Learnings
- PIX – Pipeline Information eXchange
- Points of Emphasis (“Hot Topics”)

# API Standards – Review & Balloting

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## **Standards, Recommended Practices and Publications in the Review and Balloting Process for 2009**

- 1109 RP - Marking Liquid Petroleum Pipeline Facilities
- 1111 RP - Design, Construction, Operation, and Maintenance of Offshore Hydrocarbon Pipelines and Risers
- 1160 Std - Managing System Integrity for Hazardous Liquid Pipelines
- 1161 Pub - Guidance Document for the Qualification of Liquid Pipeline Personnel
- 1162 RP - Public Awareness Programs for Pipeline Operators
- 1164 Std - SCADA Security
- 1167 RP - Alarm Management (New)
- 2200 RP - Repairing Crude Oil, Liquefied Petroleum Gas and Product Pipelines

# OTC Subcommittees

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- Cybernetics
- Pipeline Integrity
- Operator Qualification
  - OTC Responsibilities
    - Review Agendas, Areas of Focus, Meeting Minutes, Results
    - Provide Feedback and Guidance

# OTC Interaction

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- Alignment & Interaction with:
  - API Leadership
  - PET (Performance Excellence Team)
  - CEHS (Committee on Environment, Health, and Safety)
  - AOPL (Association of Oil Pipelines)
  - PHMSA
  - ASME B31.4
  - PRCI (Pipeline Research Council International)
  - THLPSSC (Technical Hazardous Liquid Pipeline Safety Standards Committee)

# Research & Development via PRCI

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- Review and Prioritize emergent and ongoing R&D projects
- Coordinate with API and AOPL Leadership to align priorities
- Recommendations to AOPL on how to “Vote” \$’s for PRCI Projects

# Research & Development via PRCI

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## □ **2008 Prioritization**

- Ethanol Pipeline Transportation Integrity
  - New Pipeline Systems
  - Existing Pipeline Systems
- Pipeline Leak Detection – Small Leaks
- Pipeline Long Seam Defects
- ROW Encroachments

## □ **2009 Prioritization**

- Biofuels Transportation
- Remote ROW Monitoring
- Facility Integrity
- Boring/Directional Drilling Safety
- Pipeline Fatigue Analysis Models
- Assessment of pipe long seams

# OTC Member Roundtable

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- ❑ Basic tone is that Pipelines are one community, and that individual events have broad impact to everyone
  - Strong Benefits in Sharing Lessons Learned
  - Roundtable Discussion Benefits
    - ❑ Raise Awareness of Potential Issues
    - ❑ Avoid Common Mistakes
    - ❑ Early Discovery of Emergent Events
    - ❑ Reduction of Incidents
    - ❑ Improved Safety
    - ❑ Protection of Public and Environment

# Pipeline Information eXchange (PIX)

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- Inaugural Conference – December, 2008
  - Purpose: Share Individual Company Experiences and Lessons Learned with Pipeline Operators
    - Similar to OTC Roundtable discussions, with additional details and Company insight/analysis
  - Forum: 1 Day Session - Houston
    - **Pipeline Operator Attendees Only** – Operations/Integrity/Safety/Environmental
    - Fast Paced – Incident/Event – Background/Description/Lessons Learned
    - Interactive
  - 2008 Attendance
    - 89 Registrants – 32 Companies

# Pipeline Information eXchange (PIX)

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- 2009 PIX Conference
  - October 1, 2009
  - Houston – IAH Doubletree
  
- Forum Categories (preliminary)
  - Mechanical Damage
  - Control Room
  - Line Pipe Failures
  - Facility and Terminals
  - Health and Safety
  
- Registration – Stay Tuned to API Announcements

# OTC “Hot Topics”

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- ❑ Facility Integrity
- ❑ Damage Prevention
- ❑ Pipeline Information eXchange (PIX)
- ❑ Operational Leading Indicators
- ❑ Alignment with PHMSA Priorities
- ❑ Control Room NOPR
- ❑ New Construction – PHMSA Emphasis
- ❑ Internal Corrosion – PHMSA Emphasis
- ❑ Security – Chemical Facility Anti-Terrorism Standards

# Questions?

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