



LEADING PIPELINE RESEARCH

Government/Industry R&D Forum

New Orleans, LA • February 7 & 8, 2007

# Government/Industry Pipeline R&D Forum

## *The Value of Government-Industry Collaboration*

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February 7, 2007



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## Key Participating Industry Organizations

### Northeast Gas Association, NYSEARCH

- Focus: Natural Gas Distribution Systems

### Operations Technology Development Program

- Focus: Natural Gas Distribution Systems

### Pipeline Research Council International, Inc.

- Focus: Crude Oil, Petroleum Products & Natural Gas Transmission



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## Other Key Industry Participants

- **INGAA and the INGAA Foundation**
- **AOPL**
- **API**
- **AGA and the AGA Foundation**
- **Gas Processors Association**



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## Key Government Participants

- Department of Transportation/Pipeline and Hazardous Materials Safety Administration
- Department of Energy; The National Laboratories
- Department of the Interior/Minerals Management Service
- National Institute of Standards and Technology



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## Why Collaborate?

### The PHMSA Perspective

- Reduce or Eliminate Duplication of Effort
- Leverage Shrinking Resources
- Improve Strategy & Target Mutual Challenges
- Support & Improve the Quality of Research
- Enable Transparency of the Research Program
- Inform Stakeholders
- Transfer Research Outputs to End Users



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## Why Collaborate?

### An Industry Perspective

- **Broaden the Base & Awareness of Issues, Challenges, Needs & Opportunities**
- **Government Participation is a Driver for Rigor in the R&D Process**
- **Increase Understanding by Regulators of Pipeline Operations**
- **Influence Regulatory Policy & Decisions on Sound Technical Basis**
- **Enable Broader Dissemination of Knowledge of Positive Industry Programs**
- **Assure the Best Use of Both Industry and Government Funding**
  - *Foster and sustain the collaboration*
  - *Enable strong collaborative program, and strong industry-focused program*
- **Send Signals to the Researcher Community for Developing & Deploying Their Resources in Service to the Industry & Government**



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## Why Collaborate?

### The Intersection of Industry & Government Interests

- **Using Available Funding Wisely & With Greatest Impact**
- **Assuring that the Collaboration is Used Only for that Work that is Truly Mutually Beneficial for Mission Accomplishment**
- **Providing Sound Peer Review of the Work to Be Done & the Results**
- **Assuring Timely, Cost Effective, and Sustainable Technology Transfer**
  - *If you build it, will they come?*
  - *What is the market; what will the market be; what will the market demand?*
  - *Who plays what role, when & how; how do the roles interact?*
  - *Look to results to yield multiple outcomes: for the market place, for standards, for extending the knowledge of the work force*
- **To Get Maximum Benefits from Technology Transfer, Government & Industry Must Collaborate where Their Interests Intersect**



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## Some Challenges

- **Assuring that Key Pipeline Companies Come to & Stay at the Table**
- **Potential Instability of Federal Co-funding**
- **Aligning the Process & Schedules of Industry & Government Programs**
- **Overcoming “Incrementalism” by Allocating Dear Resources to Research of High-impact & High Value**
- **Engaging the Public to Understand What We Do & Where the Value is to Them; Government & Industry as Good Citizens**





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## The Big Challenge

- **Who is Taking the Long View? What Does the Future Hold – Needs, Opportunities, Capacity?**
  - *Current research efforts focus on 1-3 years*
  - *Current PHMSA & industry programs have the same substantive focus & time horizons*
  - *DOE role in energy pipeline infrastructure is diminished and diminishing*
  - *Energy pipeline industry has the capacity & motivation to do the integrity work*
  
- **Can PHMSA be the Catalyst to Stimulate a New Government Commitment to this Traditionally Government Role?**