

# Brainstorming Session: Benefits of Pipeline R&D

Houston, Texas

March 22 – 24, 2005

# Session Goals

- Develop a set of core benefits for assessing the impact and value of R&D in the pipeline industry.
- Identify the role of tangible and intangible research benefits in establishing simple, credible, and auditable research performance metrics.
- Assess the extent to which the needs of the industry and the government for research benefits are being met by current research efforts; identify key gaps (in measuring benefits).
- Identify the benefits that translate into performance metrics, including R&D process metrics and outcomes metrics.
- Align, as appropriate or necessary, the benefits required by government with those required by industry.

# Questions to be Answered on the Benefits of Pipeline R&D

- Why is this topic important?
- Is this topic realistic to implement into our forum's National Pipeline Research Agenda?
- Were any road blocks identified?
- What plan was proposed?

# Questions on Benefits & Metrics

Who Gets to Set the Goals?

Whose Benefits Matter Most?

When Do You Determine Them?

Who Gets to Say if They Were Achieved?

Can the Benefits Achieved by One Interest  
Be a Setback to Another?

# Insights from Tuesday Morning (1)

- Ted Willke - Need to measure Impacts
- Carol Handwerker - NIST uses post-completion Economic Impact Assessment Studies of value
- Peter Terranova - Impacts include:
  - Improve operation, safety, reliability and efficiency
  - Reduce regulatory costs
- Bill Scott – Example measure/characteristic:
  - Trend in ratio of digs to required piping repairs
  - Alignment of industry need with R&D activities funded

# Insights from Tuesday Morning (2)

- Art Meyer – Measurable Challenges (Candidate Core Benefits)
  - Assure reliability
  - Reduce risks
  - Improve performance
  - Ensure effective regulations & oversight
  - Resolve conflicts between processes and regulations

# Model: Hierarchy of Benefits

