

# Key Challenges

## The Liquid Pipeline View



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# Explorer Pipeline Company

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- 1400 mile large diameter refined products pipeline serving middle America
- Provides about 10% of the liquid refined products consumed in the Midwest
- Serves about 70 population centers



# Liquid Pipeline Industry Vision

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- Conducts operations safely and with respect for the environment;
- Respects the privilege to operate granted to it by the public; and
- Provides reliable transportation of the crude oil and refined products upon which America and Americans rely.
- *Our goal is zero deaths, zero injuries, zero spills and error free operation.*



# Our operating environment...

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- Rising expectations from the public and government
- Encroachments
- Aging infrastructure
- Evolving technology
- Credibility



# Liquid Pipeline R&D Priorities

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- ROW monitoring, remote monitoring
- Integrity – buried piping within facilities
- New Fuels – how to handle, store, and transport
- Prediction of Stress Corrosion Cracking (remediation and prevention)
- Security, both physical and cyber
- Human Factors



# Let's reframe some thinking...

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- We all have a role to play
- Govt must be partners with industry, not an entity to be feared
- Govt can help the industry share ideas, information and learnings
- It helps to have the regulators understand our business



# Reframing ...

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- Industry must be good stewards of assets
- Rules, laws are minimums; we must do more than the minimum
- Set high standards and commit to achieve them
- Redefine NIMBY



# With challenges come opportunity

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- How to work together effectively to promote safer systems, fewer leaks
- How to get existing or new technology implemented *faster*
- How to get costs down so technology is more readily and widely implemented





# Opportunities...

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- How to avoid duplicating efforts; better use of our collective resources
- How to effectively communicate our initiatives, progress to the public
- *To make a difference*