

**Pipeline Safety**



**T R U S T**

Credible.

Independent.

In the public interest.

**Pipeline Transportation:  
Hydrogen and Emerging Fuels  
R&D Public Meeting and Forum**

**Public Interest Discussion**

# Pipeline Safety Trust History



Guys -  
I'm fishing. Will  
be back before dark.  
Homework is done.  
  
Liam



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# Pipeline Safety Trust History



“... there’s going to be a Trust that’s going to be funded as part of today’s sentencing. With \$4,000,000 ... they’ve nowhere near the lobbying potential of the oil industry. It’s not even David and Goliath. It’s more like Bambi and Godzilla. No industry polices itself very well... you need outside people, and these are going to be the people so pay attention to them.”

The Honorable Barbara Rothstein  
United States District Judge  
at Olympic Pipe Line Co Sentencing

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# Pipeline Safety Trust Mission



The Pipeline Safety Trust promotes pipeline safety through education and advocacy, increased access to information, and partnerships with residents, safety advocates, government, and industry, resulting in safer communities and a healthier environment.

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# Pipeline Safety Trust and Climate Change

The Pipeline Safety Trust recognizes that the possibly largest threat from pipelines is climate change. While ensuring the integrity of the pipelines that run through our communities and treasured places remains our primary mission, our dedication to protecting people and the environment from the risks of pipelines requires us to also work towards a rapid reduction of greenhouse gas emissions.



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# Pipeline Safety Trust and Climate Change

## Safety Issues

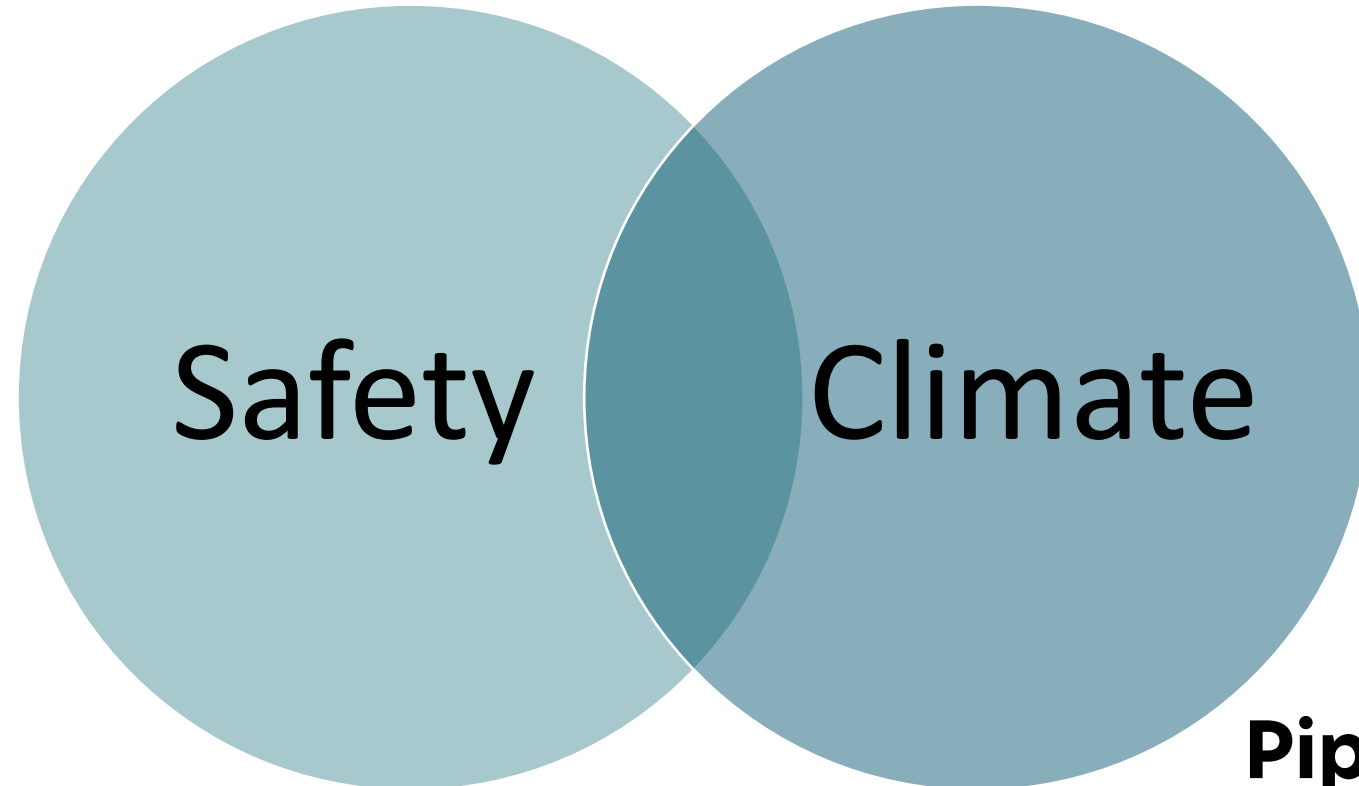
- Improve operator public engagement
- Enact liquid leak detection standards

## Overlap Issues

- Methane leak detection and repair
- Transition away from fossil fuels

## Climate Issues

- Converting compressors from gas to electric



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# PHMSA R&D Program Mission and Vision

The vision of the Pipeline and Hazardous Materials Safety Administration's (PHMSA) Pipeline Safety Research Program is to support PHMSA's mission which is "to protect people and the environment from the risks inherent in transportation of hazardous materials by pipeline and other modes of transportation."

The mission of PHMSA's Pipeline Safety Research Program is to sponsor research and development projects focused on providing near-term solutions that will improve the safety, reduce environmental impact, and enhance the reliability of the Nation's pipeline transportation system.



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# PHMSA's R&D Program – Public Priorities

## Hydrogen

- How can it be transported safely?
- How can it be produced and transported in a way that truly lowers GHG emissions?
- How can Hydrogen's full lifecycle GHG emissions be measured?





# PHMSA's R&D Program – Public Priorities

## CO<sub>2</sub> Pipelines

- How can it be transported safely?
- How can CO<sub>2</sub> be captured, transported, and stored in a way that significantly lowers GHG emissions?
- How can CCS's full lifecycle GHG emissions be measured?
- Enhanced Oil Recovery should not be a priority of any publicly-funded CCS R&D



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# PHMSA's R&D Program – Public Priorities

## Methane Mitigation

- Explore the full range of technologies and practices available to eliminate planned venting and blowdowns – do any of these require changes to Part 192?
- How can an operator determine the appropriate mix of tools to find leaks on their systems?



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# PHMSA's R&D Program – Public Priorities

## Other Priorities

- R&D expansion into social sciences to aid Public Engagement and Public Awareness efforts
- Increased role of academia



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# Thank you!

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