



U.S. Department of Transportation  
Pipeline and Hazardous Materials  
Safety Administration



# Pipeline and Hazardous Materials Safety Administration

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# **Pipeline Safety Program Mission Statement**

**“To ensure the safe, reliable, and environmentally sound operation of the Nation’s pipeline transportation system.”**



**The pipeline owners and operators  
have the responsibility for safe  
pipeline operations.**

**PHMSA verifies compliance with the  
Federal Pipeline Safety  
Code 49 CFR 190-195**



# PHMSA Jurisdiction

- **Over two million miles of pipelines in the U.S. (enough to circle the earth 83 times)**
  - 170,000 miles of hazardous liquid pipelines
  - 295,220 miles of gas transmission pipelines
  - 1,900,000 miles of natural gas distribution pipelines
  - 109 LNG plants connected to our natural gas transmission and distribution systems
  - Propane distribution pipelines
- **These pipelines are operated by more than 3,000 companies, large and small**
- **Natural gas provides for 24% of U.S. *total energy consumption*; petroleum provides for another 39%**



### Map of the Sacramento and Feather River Basins Environmental Study Area





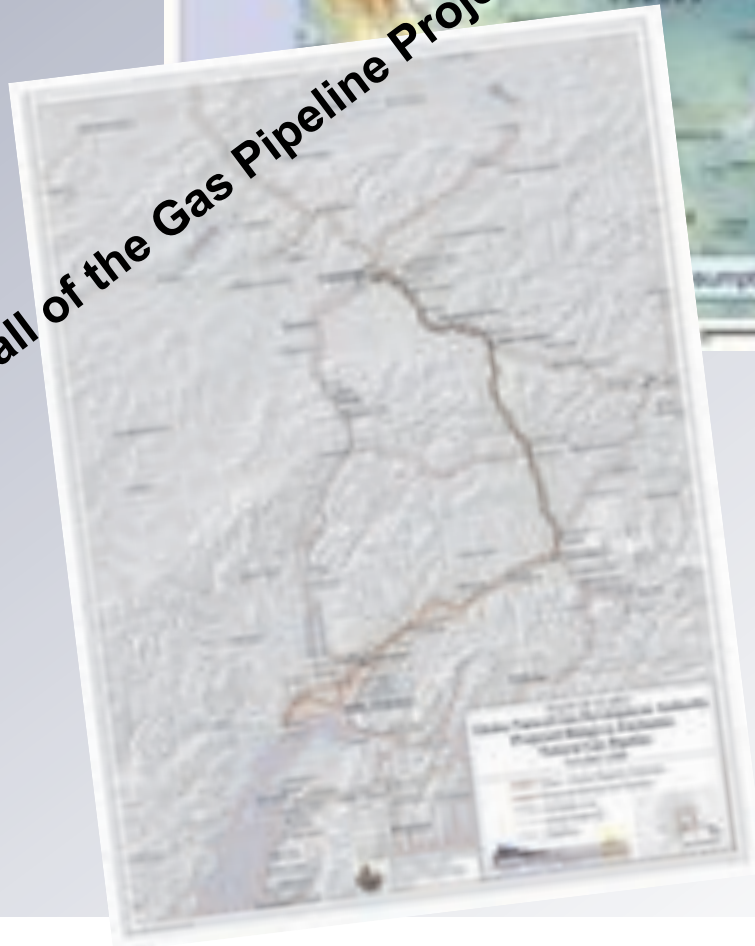
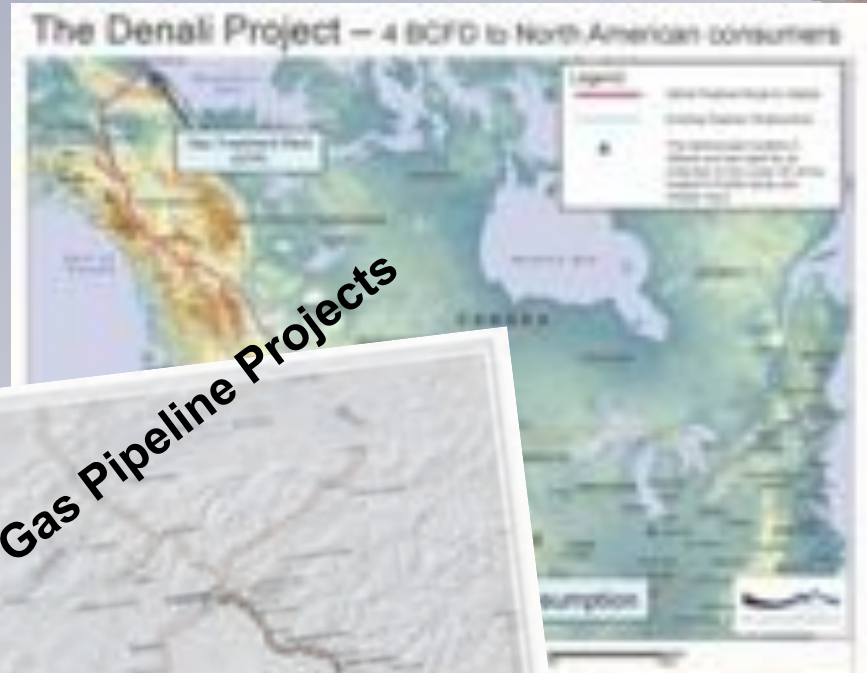
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# PHMSA Alaska Jurisdiction

- 1187 miles of hazardous liquid pipelines
- 844 miles of gas transmission pipelines
- 5000 miles of natural gas distribution pipelines
- 1 LNG plants connected to Fairbanks distribution systems
- 1 LNG plants for export
- Propane distribution pipelines future
- **These pipelines are operated by more than 20 companies, large and small**



**PHMSA is involved in all of the Gas Pipeline Projects**



# PHMSA Inspections of pipeline Operators

- Construction
- Standard
- Integrity Management
- Operator Qualification
- Break Out Tanks
- Drug and Alcohol
- Pipeline Failure Investigation



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# Construction Inspections





# Pipeline Failure Response

- Gather Information
- Provide Information
- Conduct an Investigation
- Review and approve pipeline start-up procedures
- Corrective Action Order





# Operator Requirements

- Routine Right of Way Inspection
- Corrosion Control
- System Maintenance
- Operating Conditions
- Integrity Management
- Public Awareness & Damage Prevention Program
- Qualifications and Training
- Spill Response Plan



# Spill Response Plan

- 49 CFR 194
- Plan must be approved prior to pipeline start-up
- Plan information must be current
- Plan must be submitted to and approved by PHMSA every 5 years
- Plan must include drill procedures
- Plans available to other agencies upon request



# Public Awareness Goals

1. Reduces third party damages to pipelines
2. Reduces injuries & property damage as a result of damages to pipelines
3. Educates stakeholders about the hazards of pipeline releases
4. Educates stakeholders about recognizing releases
5. Educates stakeholders about what to do in the event of a release



# PHMSA Information

- **Stakeholder Communications**
  - <http://primis.phmsa.dot.gov/comm/>
- **Alaska Significant Incidents and Mileage Overview**
  - [http://primis.phmsa.dot.gov/comm/reports/safety/AK\\_detail1.html?nocache=2902](http://primis.phmsa.dot.gov/comm/reports/safety/AK_detail1.html?nocache=2902)
- **Enforcement**
  - <http://primis.phmsa.dot.gov/comm/reports/enforce/Enforcement.html?nocache=6287>
- **Enforcement Cases by Operator**
  - <http://primis.phmsa.dot.gov/comm/reports/enforce/OpSearch.html?nocache=9395>



## PHMSA Alaska Staff

- Dennis Hinnah - 26 years of pipeline experience
- Robert Guisinger - 20 years of pipeline experience
- Tom Johnson - 24 years of pipeline experience
- Jon Strawn - 30 years of pipeline experience
- Bill Flanders - 35 years of pipeline experience

**Over 135 years of combined experience**



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