Pipeline and Hazardous Materials Safety Administration

Office of Pipeline Safety







Pipeline Safety Regulations



Pipeline and Hazardous Materials Safety Administration Enforcement Procedures Part 190
Natural Gas Parts 191 – 192
Liquified Natural Gas Part 193
Oil Pipelines Response Plans Part 194
Hazardous Liquids Part 195
State Grants Part 198
Drug Testing Part 199

Last Revised October 1, 2016





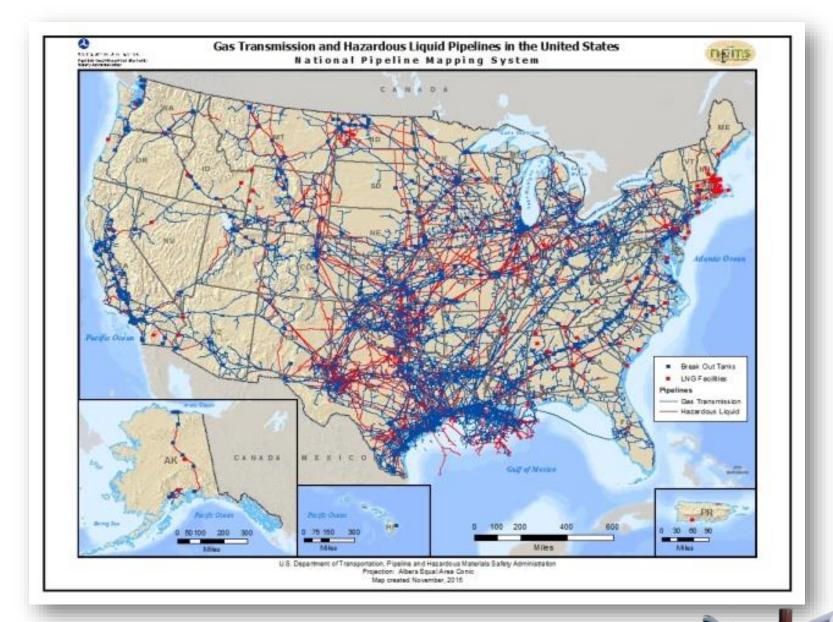
Scope of Our Mission

Pipeline Type	Total Miles	% Total Miles	# Operators
Hazardous Liquid	208,616	<8%	483
Gas Transmission	299,945	11%	1009
Gas Gathering	17,478	<1%	342
Gas Distribution	2,204,064	81%	1,263
Total	2,730,064	100%	

data as-of 3/27/2017











Pipeline Safety Office Locations



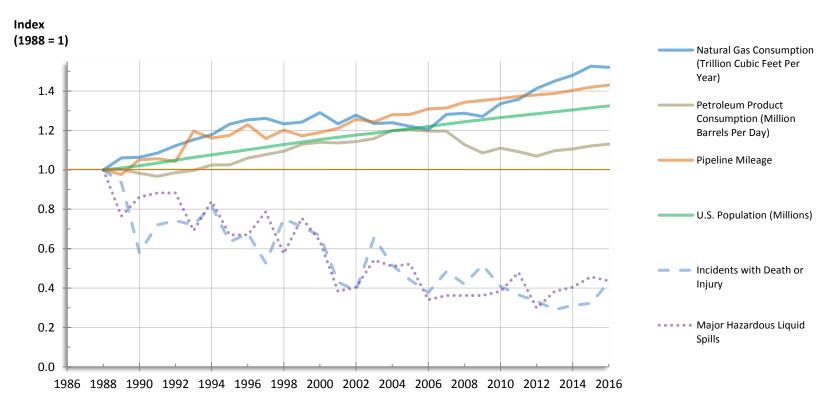


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Pipeline Safety with Context Measures

(1988 - 2016)



Calendar Year

Data Sources: Energy Information Administration, Census Bureau, PHMSA Incident Data, PHMSA Annual Report Data





Assessing Pipeline Risk

Risk Ranking Index Model Algorithm

- Pipeline System Miles
- Previous Violations/Incidents
- Previous Enforcement Actions
- Facility Counts (complexity tanks, pumps, etc.)
- Pipe Diameter
- High Consequence Areas
- New Construction
- Change of Ownership
- Type of Product Transported
- Time Since Last Inspection





Pipeline Safety Initiatives

■ 811 One Call



☐ Accident InvestigationDivision

■ National Safety Coordinator





Safety Partners

Industry Associations

AGA – American Gas Association

AOPL – Association of Oil Pipelines

APGA – American Public Gas Association

API - American Petroleum Institute

INGAA – Interstate Natural Gas Association of America

NAPSR – National Association of Pipeline Safety Representatives





Safety Partners

State and Local

State-level Pipeline Safety Inspectors

- Trained at PHMSA's Training and Qualification Center
- Focused on Intra-State Pipelines
- Costs offset by Federal grants

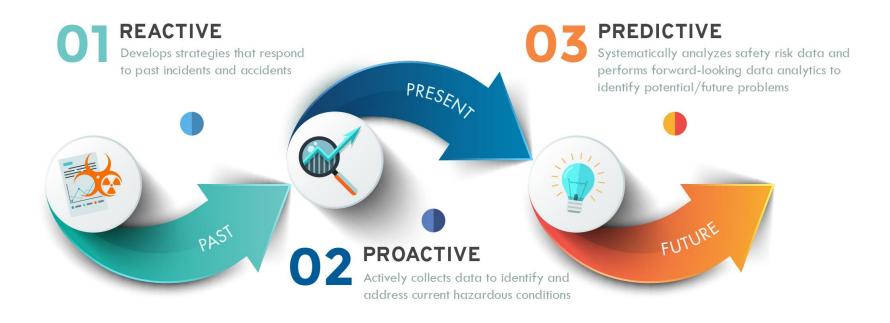
Public Utility Commissions





Safety Management System (SMS)

Reactive -> Proactive -> Predictive





Safety Administration

