



# Pipeline and Hazardous Materials Safety Administration (PHMSA)

Office of Pipeline Safety

## Community Liaison Services Program Update

September 7, 2023

State College, Pennsylvania



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

PHMSA: Your Safety is Our Mission



**PHMSA**

**PHMSA Community Liaison Services**

**PHMSA Grants**

**PHMSA Rulemaking Updates**

**PHMSA Resources**

**Q & A**



# PHMSA



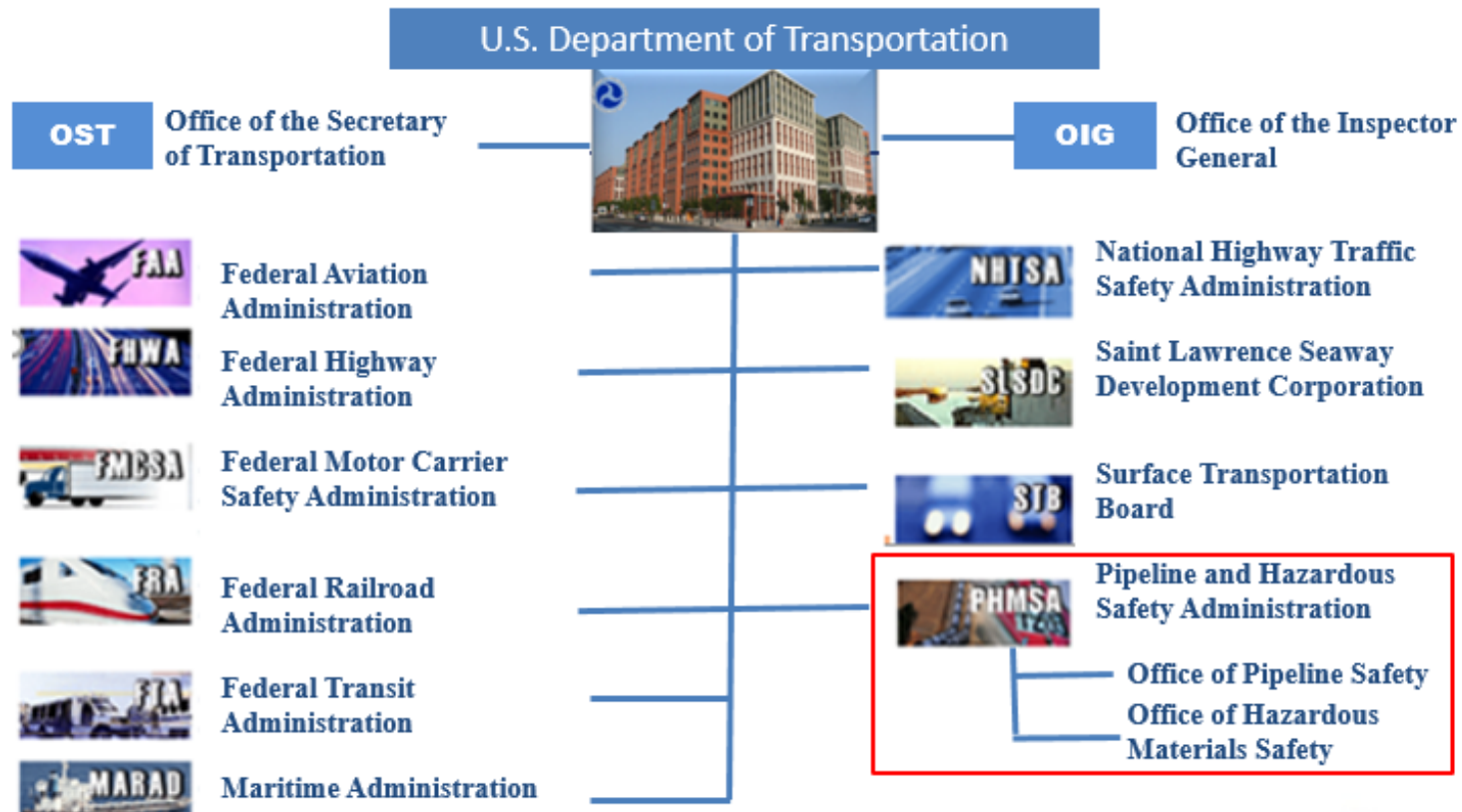
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# What is PHMSA?



# Mission

To protect people and the environment by advancing the safe transportation of energy and other hazardous materials that are essential to our daily lives.



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# Program Offices

**PHMSA performs its mission through two primary safety programs:**

## Office of Pipeline Safety (OPS)

Pipelines transport and supply more than two thirds of the fuel used to heat, cool, and operate American homes, cars, and businesses. It maintains oversight over 3.3 million miles of regulated pipelines.



## Office of Hazardous Materials Safety (OHMS)

OHMS oversees the safe and secure shipment of close to one million daily movements of hazardous materials carried by highway, rail, vessel, and air.

These materials are essential to the American economy for use in farming, medical applications, manufacturing, mining, and other industrial processes.





## Office of Pipeline Safety



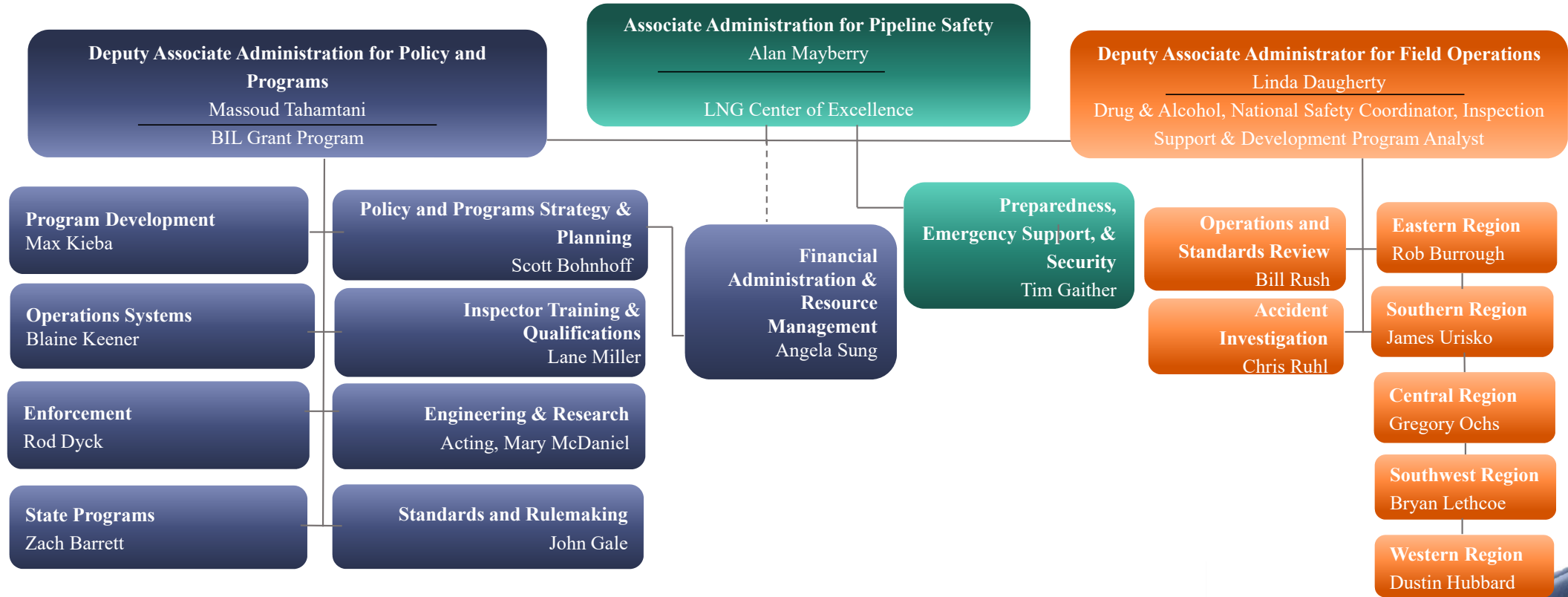
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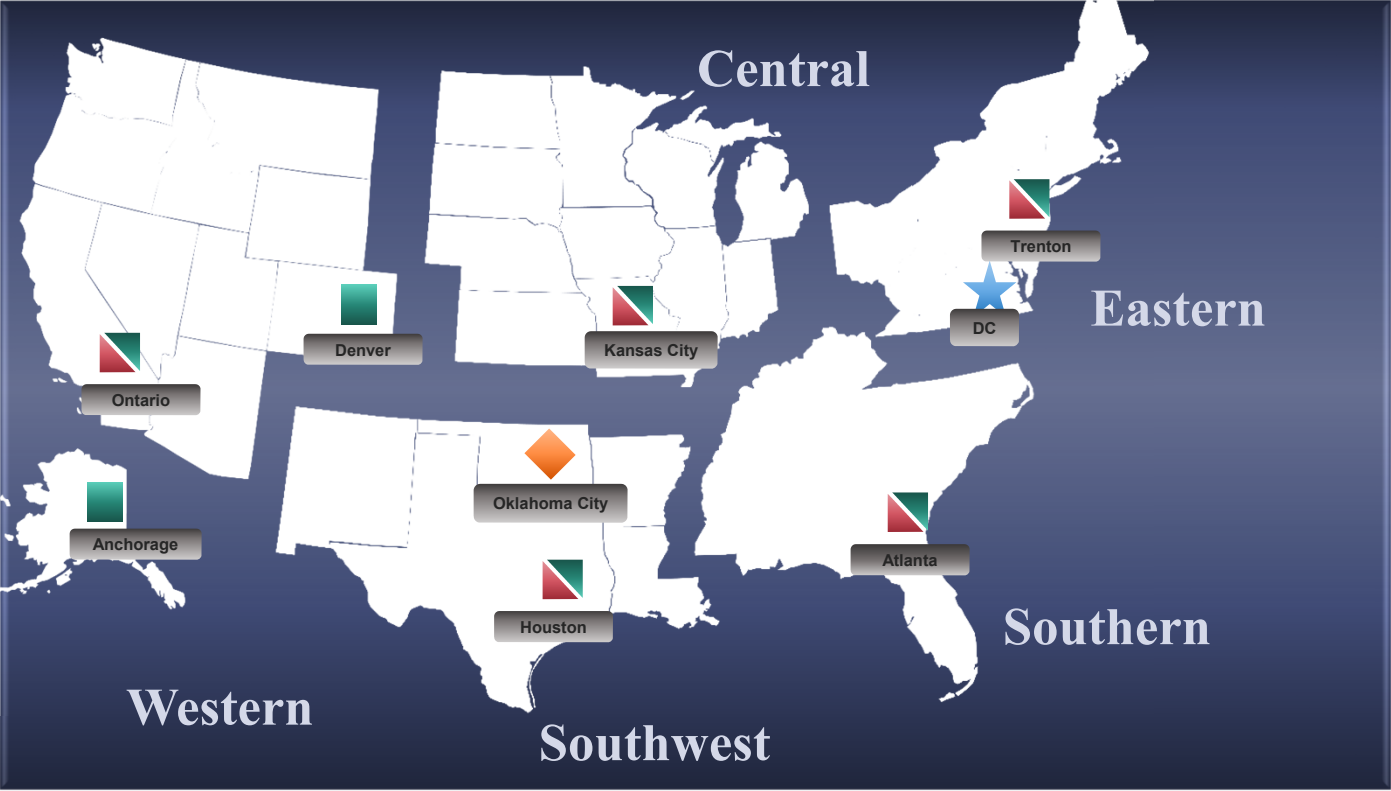







# Organization Chart





# Where We are Located



-  Pipeline Office
-  HAZMAT Office
-  Pipeline & HAZMAT Office
-  Headquarters
-  Training Center



# PHMSA Regulated Pipeline Facilities in PA

Data as-of 8-29-2023

## Pipeline Facilities by System Types – CY 2022 Annual Reports

System Type	Miles	# Operators
Hazardous Liquid	4,231	14
Gas Transmission	10,455	55
Gas Gathering	4,654	60
Gas Distribution	79,268	38
<b>Total</b>	<b>98,608</b>	

### Hazardous Liquid Breakout Tanks

174 Tanks

### Liquefied Natural Gas

10 Plants, 15 Tanks, 3 Operators

### Underground Natural Gas Storage

50 Facilities, 50 Reservoirs, 1,692 Wells, 11 Operators

### Hazardous Liquid Gravity

37,246 Reporting Regulated Miles, 91 Gravity Miles, 124 Operators

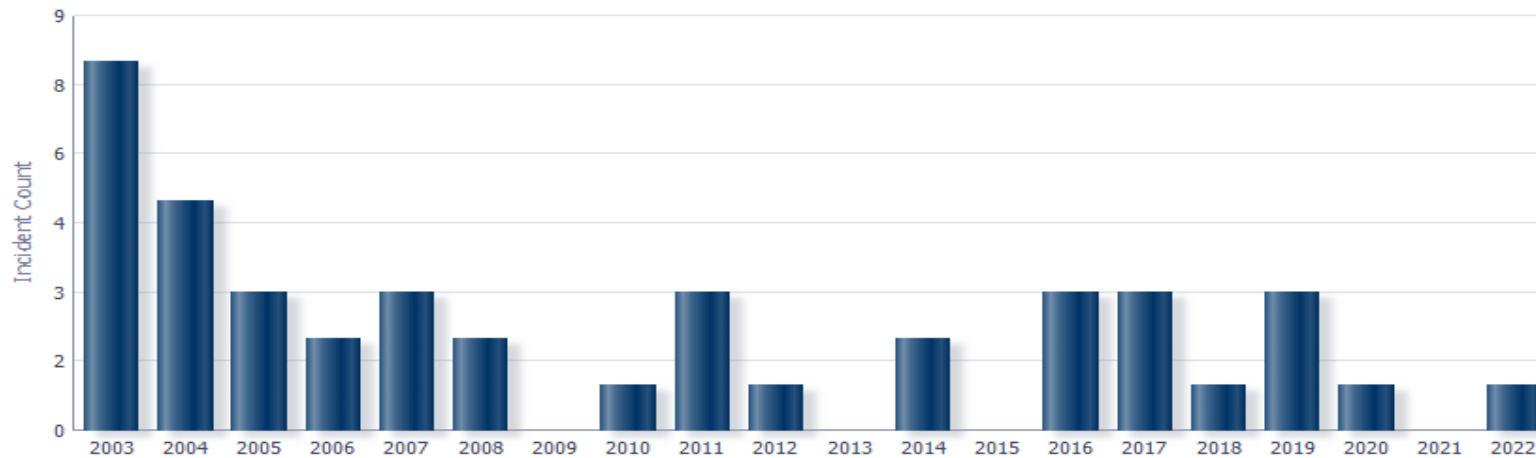


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# Serious Incidents 2003 – 2022 in PA

**PHMSA Pipeline Incidents: Count (2003-2022)**  
Incident Type: Serious System Type: (All Column Values) State: PENNSYLVANIA



Note: Serious Incidents include a fatality or injury requiring in-patient hospitalization. From 2004 forward, gas distribution incidents caused by a nearby fire or explosion that impact the pipeline system are excluded.

Data as-of 8-29-2023

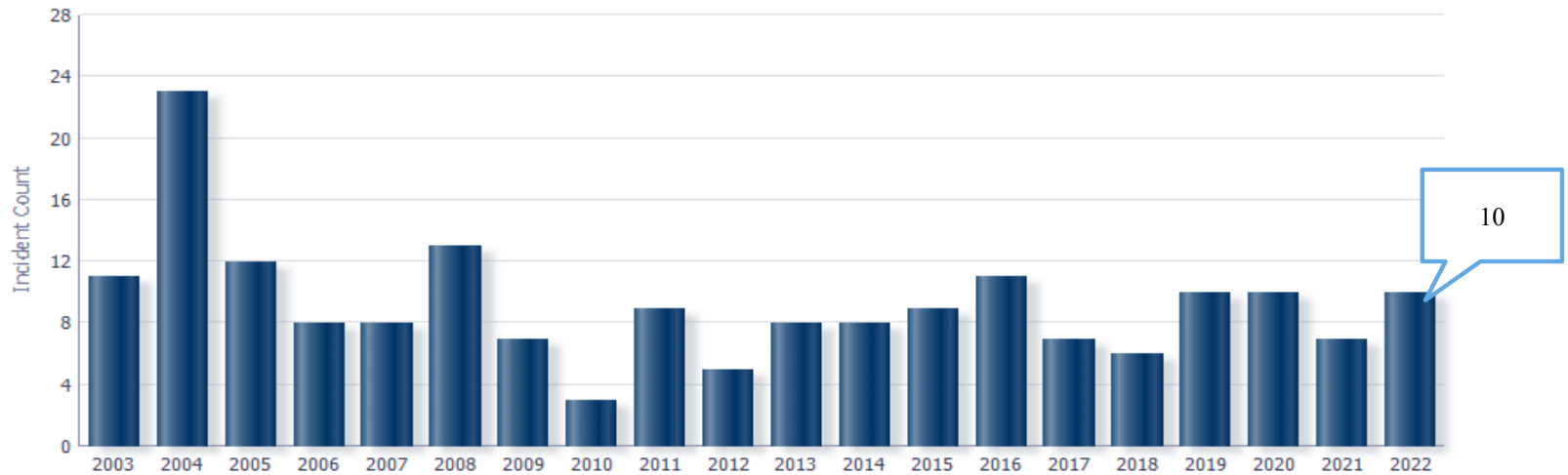


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# Significant Incidents 2003 – 2022 in PA

**PHMSA Pipeline Incidents: Count (2003-2022)**  
**Incident Type:** Significant **System Type:** (All Column Values) **State:** PENNSYLVANIA



Note: Significant incidents are those including any of the following conditions, but gas distribution incidents caused by a nearby fire or explosion that impacted the pipeline system are excluded:

- Fatality or injury requiring in-patient hospitalization
- \$50,000 or more in total costs, measured in 1984 dollars
- Highly volatile liquid releases of 5 barrels or more or other liquid releases of 50 barrels or more
- Liquid releases resulting in an unintentional fire or explosion

Data as-of 8-29-2023



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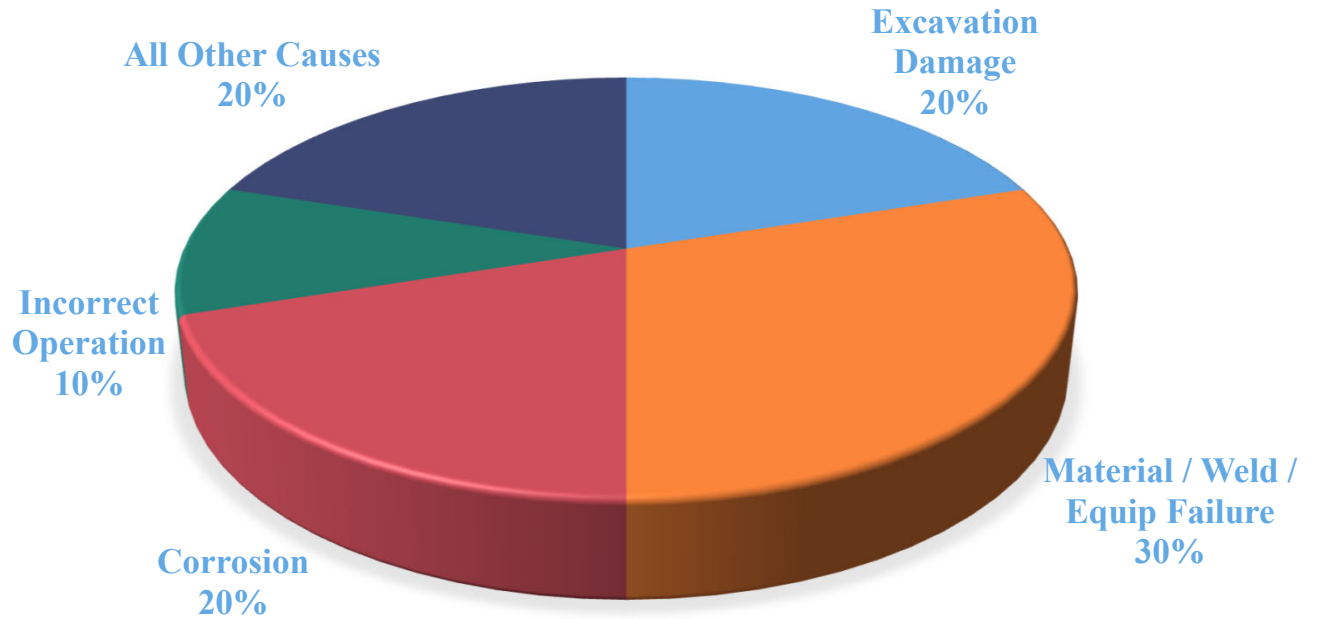


# Significant Incidents by Cause 2022 in PA

## ALL REPORTED SIGNIFICANT INCIDENT CAUSE BREAKDOWN

Leading Cause:

- Material/Weld/Equip Failure



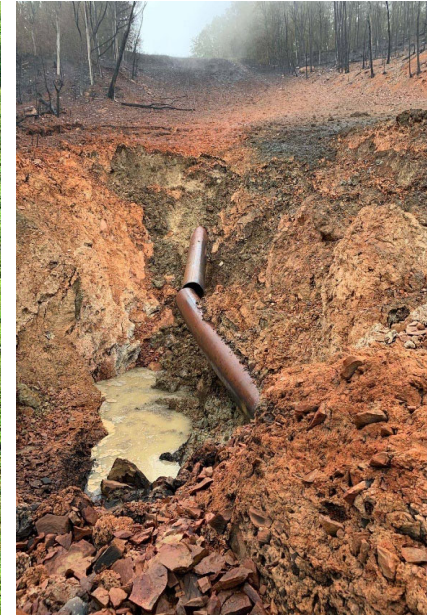
Data as-of 8-29-2023



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# We Work to Prevent Accidents Like These



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# Our Focus

## Inspection & Enforcement

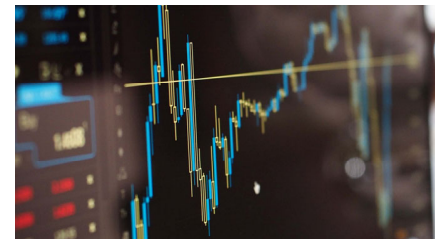
Inspect pipeline facilities to determine compliance with our Federal Pipeline Safety Regulations and assess penalties to pipeline operators not in compliance.

## Accident Investigation

Investigate accidents and incidents involving pipeline failures or releases and share lessons learned to prevent repeat failures.

## Risk Analysis

Analyze safety performance, improve data quality and analytical capabilities to identify, assess and manage safety risks.



# Our Tools

## Grants

Award safety grants to support pipeline safety inspection, enforcement and outreach programs by states, territories, and non-profits.

## Research & Development

Support research to improve pipeline safety.

## Regulations & Standards

Develop effective regulations and standards to advance pipeline safety.

## Outreach

Enhance safety and education through stakeholder outreach and engagement.





# PHMSA Community Liaison Services



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# Mission

To serve as trusted and credible stewards of public safety and environmental protection by raising awareness and influencing change to continuously improve pipeline safety.



# Team

## Director:

Bill Rush, Operations and Standards Review Division

## Program Manager:

Karen Lynch, Supervisory Program Manager

## Team Members:

Karen Gentile and Nita Raju (*Eastern Region*)

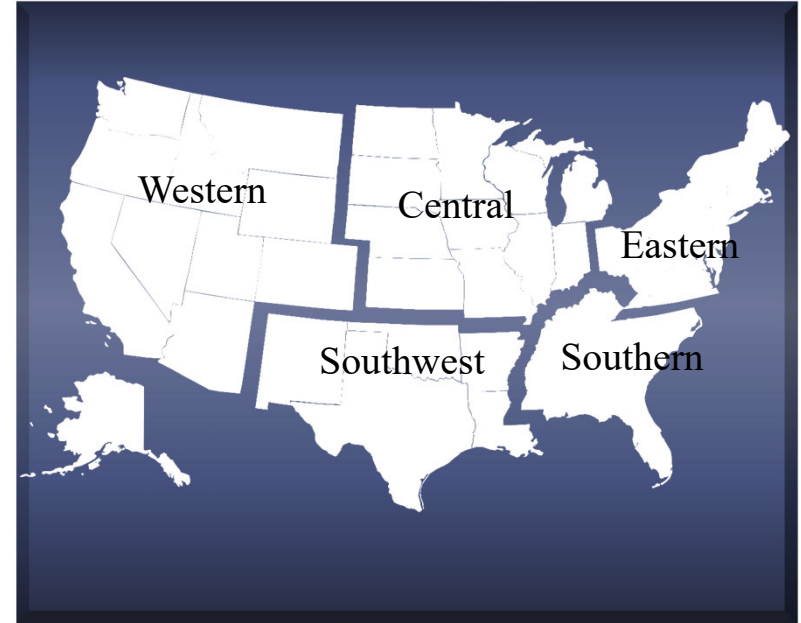
James Kelly\* and Vacant Position (*Southern Region*)

Angela Pickett\* and Sean Quinlan (*Central Region*)

Bill Lowry and James Prothro (*Southwest Region*)

Tom Finch and Dave Mulligan (*Western Region*)

\*On a detail



# Roles and Responsibilities



# Outreach and Engagement

## Underserved Communities

**E.O. 13985**

**Focus:** Equitable government benefits and opportunities (OPS)

“Populations sharing a particular characteristic, as well as geographic communities, that have been systematically denied a full opportunity to participate in aspects of economic, social, and civic life.”

## Disadvantaged Communities

**E.O. 14008**

**Focus:** Investment in clean energy and transportation (DOT Justice 40)

Consistent with OMB’s interim guidance for the Justice 40 Initiative, DOT’s interim definition includes: “A group of individuals living in proximity to one another or sharing common conditions or group experiences.”



# Outreach and Engagement

## Purpose:



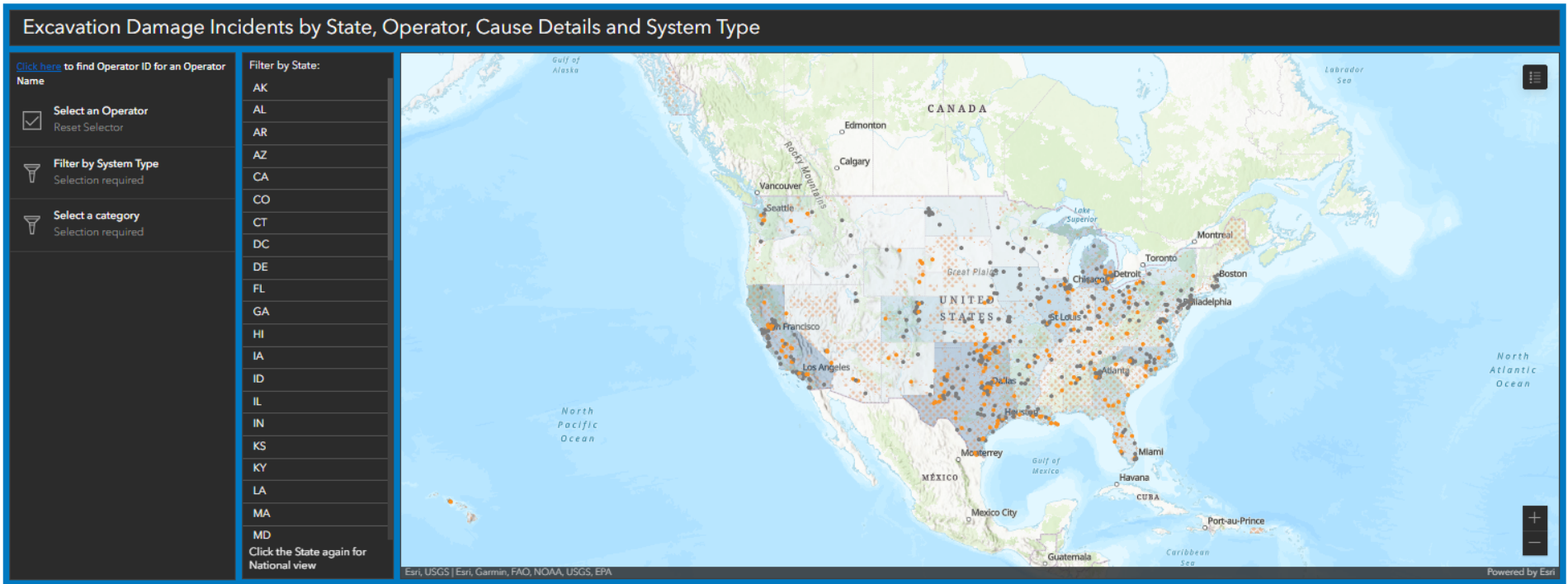
- To provide pipeline safety education and outreach in historically underserved/disadvantaged geographic areas

- To reduce excavation damages in underserved/disadvantaged communities



# Social Equity Mapping Tools

Disadvantaged Communities - Home   Gas Distribution   Excavation Damage   Gas Transmission   Hazardous Liquid



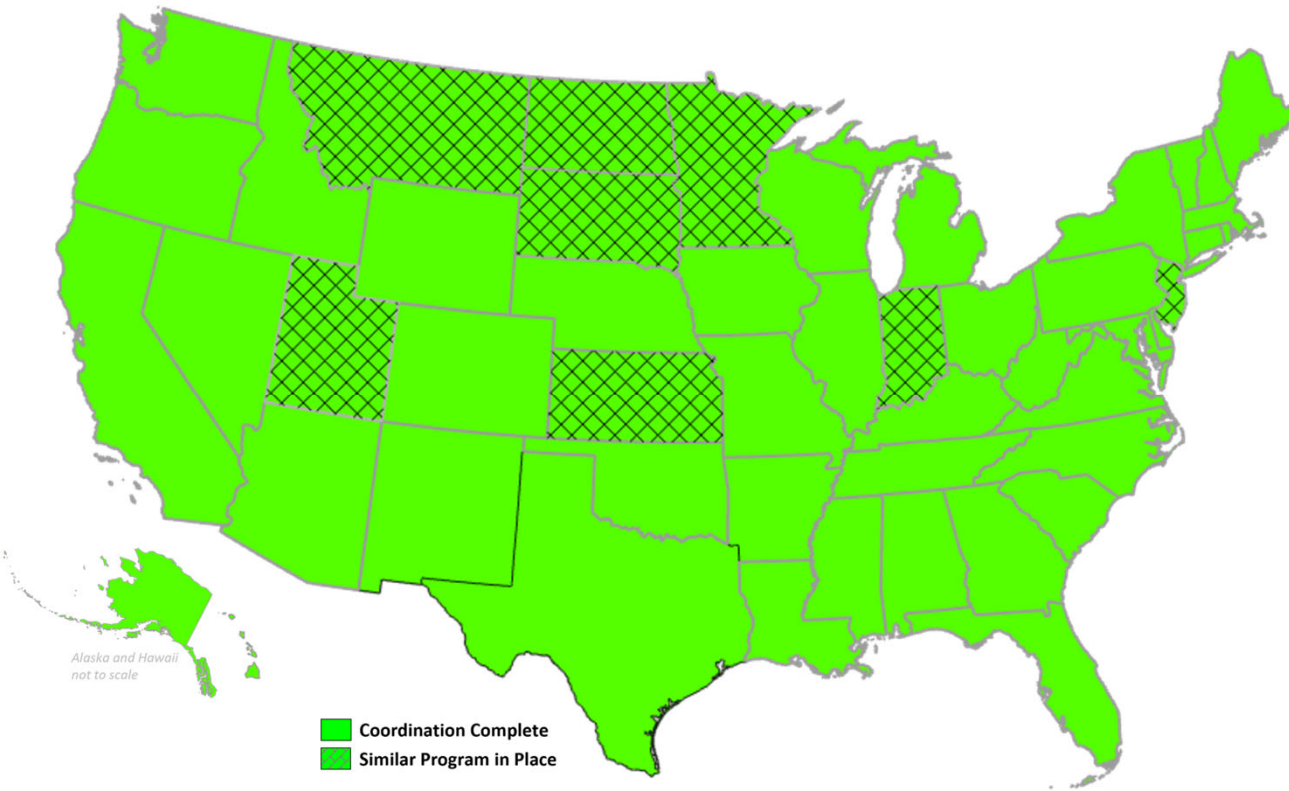
<https://dac-phmsa-usdot.hub.arcgis.com/>



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# Outreach and Engagement



# PERI

Pipeline Emergency Responders Initiative



This year in 2023, we had completed coordination in all states!



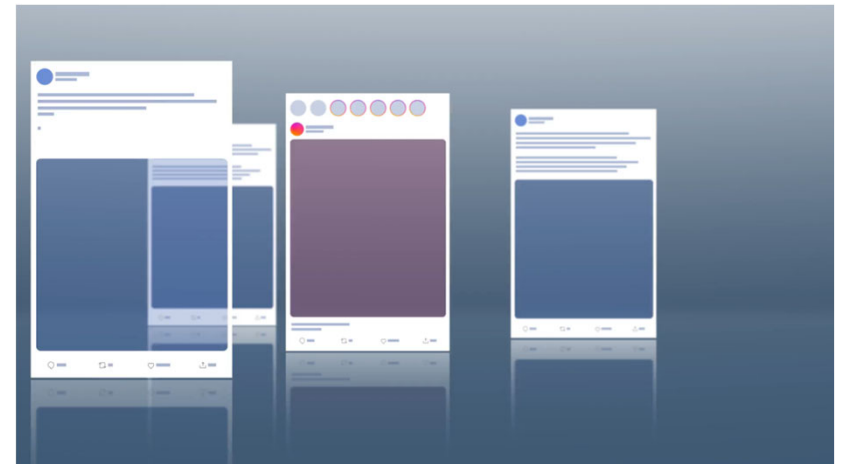
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# Outreach and Engagement

- Social Media increased by 200%
  - April National Safe Digging Month
  - June National Safety Month
  - August 11<sup>th</sup> National 811 Day
  - September National Preparedness Month



# Region Support

## Public Inquiries - Top Stakeholders' Concerns in PA

Pipeline  
Construction

Geohazards –  
Geotechnical &  
Hydrotechnical

Siting /  
Building Near  
Existing  
Pipeline



# PHMSA Grants



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Grants	Description	Eligibility
Technical Assistance Grants	Grants to communities and groups for technical assistance, such as engineering or other scientific analysis of pipeline safety issues. To help promote public participation in official proceedings regarding pipelines. <i>FY 2022 \$2.1M</i>	Communities and Groups of Individuals
Pipeline Safety Base Grants	Grants to States supporting up to 80 percent of the cost of personnel, equipment and activities reasonably required to carryout inspection and enforcement activities of intrastate pipeline facilities. <i>FY 2022 \$60M</i>	State agencies
One Call Grants	Grants to States for pipeline damage prevention, including promoting <i>Call Before You Dig – 811</i> . <i>FY 2022 \$1.1M</i>	State agencies
State Damage Prevention Grants	Grants to States to support pipeline safety damage prevention programs. <i>FY 2022 \$1.6M</i>	State authority (or municipality for intrastate transmission) that is or will be responsible for preventing damage to underground pipeline facilities
Underground Natural Gas Storage	Grants to participate in the oversight of underground natural gas storage facilities. <i>FY 2022 \$4.9M</i>	State agencies
Natural Gas Distribution Infrastructure Safety and Modernization Grant Program	Provides funds to repair, rehabilitate, or replace natural gas distribution pipeline systems or portions thereof or to acquire equipment to (1) reduce incidents and fatalities and (2) to avoid economic losses. <i>FY 2022 \$195.5M</i>	Municipal or community-owned natural gas distribution utilities (excluding for-profit utilities)
Pipeline Emergency Response Grant	Grants are awarded on a discretionary basis and are based on an identified need to train responders affected by pipeline incidents. <i>FY 2022 \$1M</i>	State, County, and Local Government



# PHMSA Rulemaking Updates



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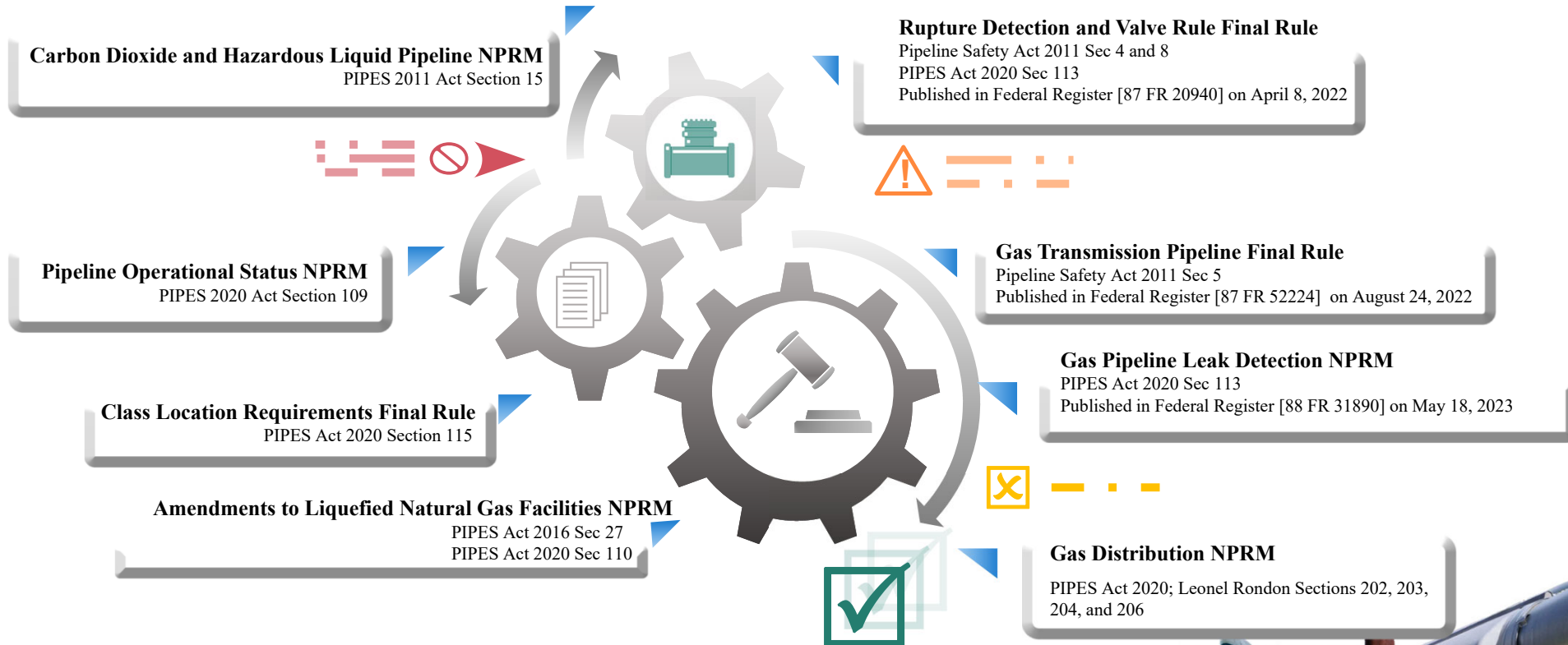
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# Current Regulatory Agenda

## Notice of Proposed Rulemaking (NPRM)



# PIPES Act of 2020

## Gas Distribution - Leonel Rondon Pipeline Safety Act

- Section 202 (DIMP) (Cast-iron, low-pressure systems)
- Section 203 (Emergency Plans)
- Section 204 (O&M Plans) (Mandated inspection time)
- **Section 205 (Safety Management Systems) (Report to Congress, 1173)**
- Section 206 (Pipeline Safety Practices – records, presence of qualified personnel, safety of district regulator stations)



# Safety Management Systems (SMS)



- Regulations alone will not help us reach *zero incidents*.
- **SMS is the key to closing the safety gaps that cause incidents.**
- Implementation of a SMS underpinned by a culture of safety is needed to get us to our goal of *zero incidents*.





# Current Expectations

## PHMSA's Expectation

Adoption of SMS by the pipeline industry



## Section 205 of PIPES Act

Mandates PHMSA submit a report to Congress on distribution operators' SMS implementation



# PHMSA Resources



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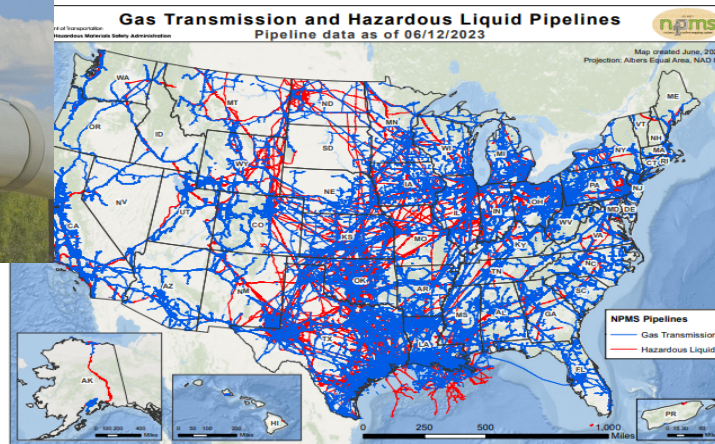
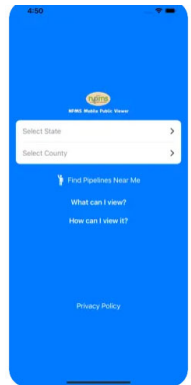
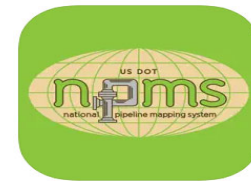


# National Pipeline Mapping System (NPMS)

NPMS Desktop



NPMS Mobile Public Viewer



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# Gathering Pipelines FAQs



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## Contact Us

Office of Pipeline Safety  
U.S. Department of  
Transportation, Pipeline and  
Hazardous Materials Safety  
Administration  
1200 New Jersey Avenue, SE  
Washington, DC 20590  
United States

## Gathering Pipelines FAQs

On November 11, 2021, the Pipeline and Hazardous Materials Safety Administration issued a second major rulemaking on the safety of gas gathering pipelines (86 FR 63266). In association with this rulemaking, PHMSA has developed new guidance covering the requirements for the new classifications of onshore gathering lines introduced by the final rule: Type C regulated gathering lines and Type R gathering lines subject to reporting only.

This new guidance and the prior guidance covering requirements for offshore, Type A, and Type B gathering lines are linked below.

- [Onshore Gas Gathering FAQs for Type A and B Pipelines](#)
- [Onshore Gas Gathering FAQs for Type C and R](#)

Education and prevention are key components of pipeline safety, so in addition to learning more about gathering pipelines, the public should also remember to call [811](#) or , a nationwide toll-free number, before beginning a digging project to learn the location of pipelines that may be underground. Also visit PHMSA's [State Pipeline Profiles](#) to learn more about pipeline mileage, incident reports and the entities that regulate pipelines.

Last updated: Tuesday, May 9, 2023



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# Websites

**PHMSA Homepage**  
[www.phmsa.dot.gov](http://www.phmsa.dot.gov)

**Federal Pipeline Safety Regulations (49 CFR 190 - 199)**  
[www.ecfr.gov](http://www.ecfr.gov)

**Pipeline Terminology and Basics**  
<https://www.phmsa.dot.gov/safety-awareness/pipeline/safety-awareness-overview>

**Community Toolkit**  
<http://primis.phmsa.dot.gov/comm/>

**Legislative Mandates**  
<https://www.phmsa.dot.gov/legislative-mandates/mandates-overview>

**- PIPES 2020 Act Monthly Rulemaking Status Update**  
<https://www.phmsa.dot.gov/legislative-mandates/pipes-act-web-chart>

**Grants**  
<https://www.phmsa.dot.gov/about-phmsa/working-phmsa/grants>

**PHMSA FY 2022 Pipeline Safety Grants Report**  
<https://www.phmsa.dot.gov/news/phmsa-fy-2022-pipeline-safety-grants-report>

**National Pipeline Mapping System**  
[www.npms.phmsa.dot.gov](http://www.npms.phmsa.dot.gov)

**PHMSA Technical Resources**  
<https://www.phmsa.dot.gov/technical-resources>

**PHMSA FAQs**  
<https://www.phmsa.dot.gov/about-phmsa/phmsa-faqs>



# PHMSA Social Media



[https://twitter.com/PHMSA\\_DOT](https://twitter.com/PHMSA_DOT)



<https://www.youtube.com/user/PHMSADOT>



<https://www.linkedin.com/company/pipeline-and-hazardous-materials-safety-administration>





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# Thank You



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