



Pipeline and Hazardous Materials Safety Administration United States Department of Transportation

USE IT Act CCUS Permitting Task Forces

*Deputy Administrator
Tristan H. Brown*



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

PHMSA: Your Safety is Our Mission



PHMSA's 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. To do this, the agency establishes national policy, sets and enforces standards, educates, and conducts research to prevent incidents. We also prepare the public and first responders to reduce consequences if an incident does occur.

PHMSA By the Numbers

3.3 Million

Miles of Regulated
Pipelines

1.2 Million

Daily Shipments of
Hazardous Materials

16,700

Underground Natural Gas
Storage
Wells

1.6 Billion

Tons of Hazardous
Materials Shipped
Annually by All Modes

64%

Of U.S. Energy
Commodities
Transported by Pipeline



Regulated Pipeline Facilities

Pipeline Facilities by Regulation and System Types – CY 2023 Annual Reports			
Safety and Reporting Regulated	Miles	% Miles	# Operators
Hazardous Liquid/CO₂¹	229,443	8%	566
Gas Transmission	300,084	10%	1,022
Gas Gathering	110,770	4%	490
Gas Distribution	2,312,189	78%	1,246
	subTotal	2,952,486	
Reporting-Regulated-Only	Miles	% Miles	# Operators
Hazardous Liquid¹	37,363	13%	127
Gas Gathering	248,216	87%	509
	subTotal	284,893	
	Total	3,238,065	

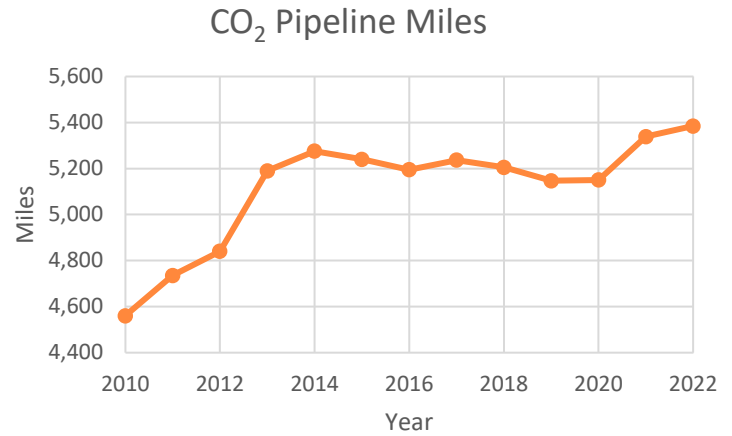
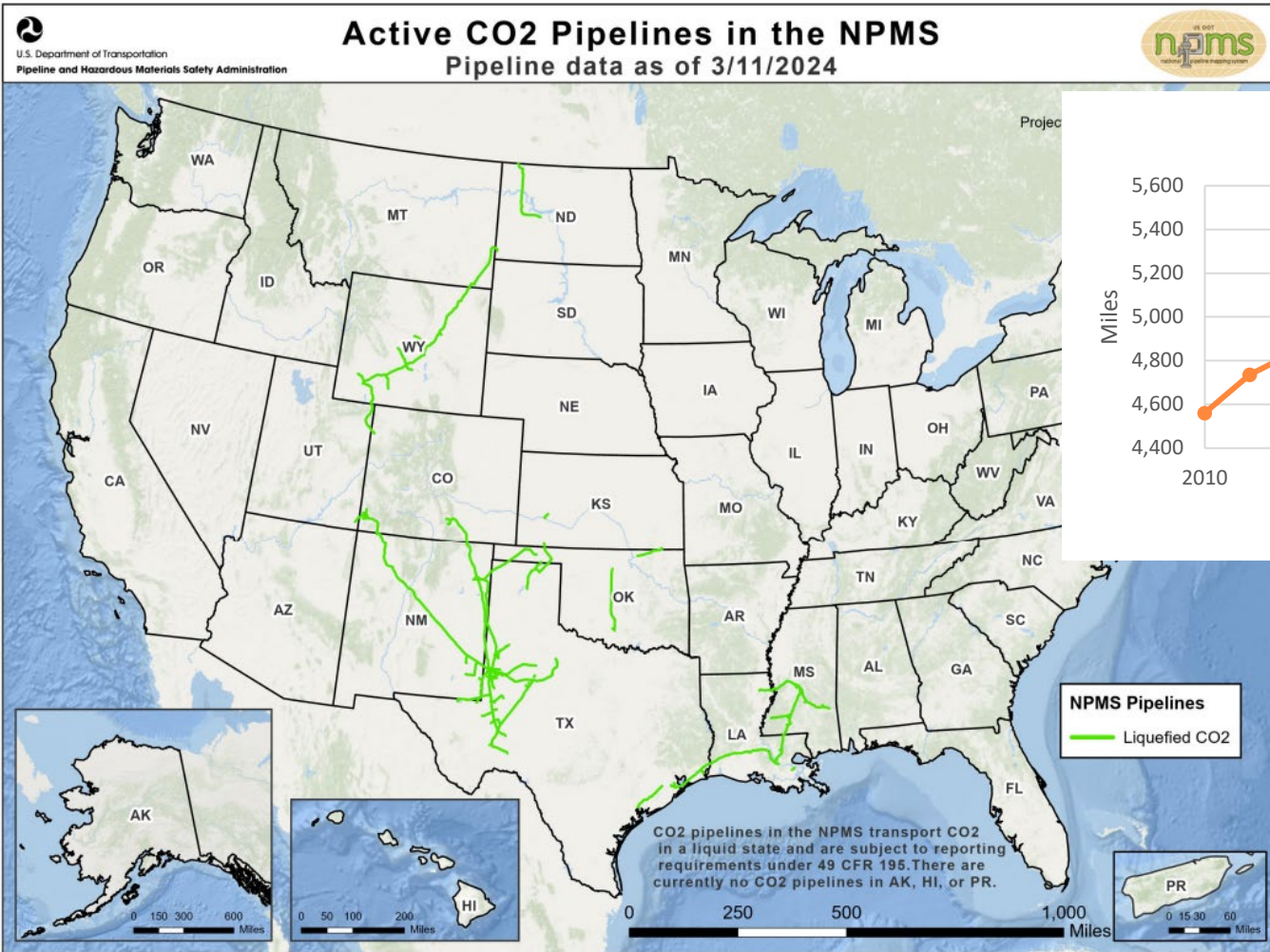
Hazardous Liquid Breakout Tanks¹	8,541 Tanks, 246 Operators
Liquefied Natural Gas	172 Plants, 258 Tanks, 93 Operators
Underground Natural Gas Storage	398 Facilities, 16,362 Wells, 128 Operators

¹ CY 2022 data. Hazardous Liquid/CO₂ annual reports are due on June 15, 2024.

Data as-of 3-25-2024



CO₂ Pipeline Network



5,385 Miles

**All Pipelines:
PHMSA
Regulates 3.3 M
Miles Total**

https://www.npms.phmsa.dot.gov/Documents/NPMS_CO2_Pipelines_Map.pdf



PHMSA Authorities

- Yes
 - Regulatory and safety authority for CO₂ onshore and offshore pipeline transportation and intermittent storage associated with transportation
- No
 - Piping or equipment used in the production, extraction, recovery, lifting, stabilization, separation, or treatment of carbon dioxide or the preparation of carbon dioxide for transportation by pipeline at production, refining, or manufacturing facilities
 - **Siting; PHMSA cannot prescribe location or routing of a pipeline and cannot prohibit construction of non-pipeline buildings (i.e. houses, businesses) in proximity to a pipeline**



Pipeline Siting and Support

- Siting rests largely with individual states and counties through which the pipelines will operate, even if interstate pipeline
- Other federal agencies authorize permits or easements/rights-of-way for CO₂ pipelines if they impact resources over which that agency has control.
- Tribal entities oversee pipelines through tribal lands.
- PHMSA supports these entities in the safety reviews of pipeline projects when requested.



Clarifying Information

- PHMSA communicated directly to executives of CO₂ pipeline projects and posted letter(s) publicly to
 - Underscore no new interstate CO₂ pipeline will be built without PHMSA safety oversight - regardless of whether PHMSA's standards for CO₂ pipelines apply directly
 - Clarify federal, state, and local government pipeline authorities – siting vs. safety
 - <https://www.phmsa.dot.gov/news/phmsa-issues-letters-wolf-carbon-summit-and-navigator-clarifying-federal-state-and-local>



PHMSA Safety Actions

- 2022: Deputy Administrator visits with victims and first responders in Satartia, MS
 - Finalized Failure Investigation Report
 - Issued a NOPV, civil penalty, and compliance order to the operator
 - Initiated new rulemaking to address issues in Satartia, nationally
 - Issued nationwide safety bulletin on geohazards
- Finalized 2022 rule requiring remote and automatic shut off valves for new and replaced CO2 pipelines.
- Initiated research in Potential Impact Radius
- 2023 Conducted public forums re rulemaking

