



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration



The National Pipeline Mapping System (NPMS)

Amy Nelson

GIS Manager

US Department of Transportation
Pipeline and Hazardous Materials Safety
Administration
(USDOT PHMSA)



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What is the NPMS?

- A GIS dataset containing liquid and gas transmission pipelines and LNG facilities in the United States
- Created by USDOT PHMSA
- A GIS-enabled Web site is at **www.npms.phmsa.dot.gov**
- Only complete non-commercial source of transmission pipeline GIS data



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Data Collection and Maintenance

- Data collected from transmission pipeline operators
- Submission is mandatory; submissions updated each year
- Acceptable formats include GPS coordinates, CAD files, ESRI shapefiles
- Data processed and maintained by contractor Michael Baker



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Two Ways to View Pipeline Maps

- **PIMMA**

- Password required
- Access limited to Federal government, state/local government, pipeline operators
- Contractors may use their client's login information if an NDA is signed (client must apply for the account)
- Contains most detailed information
- Allow one week for processing, plus mail time

- **Public Viewer**

- Newly launched
- Open to everyone
- View only one county per session
- Limited information and detail



GO

National Pipeline Mapping System

ABOUT NPMS

PIMMA

MAKING A
SUBMISSION

DATA REQUESTS &
DOWNLOADS

View data without username/password

NEW ! NPMS PUBLIC MAP VIEWER

- [About the NPMS](#) **NEW!**
[Public Map Viewer](#)
- [What's New?](#)
- [Operator ID Search](#)
- [Update Your Submission Online](#)
- [NPMS Operator Standards](#)
- [NPMS Submission FTP](#)
- [NPMS Operator Submission Status](#)
- [Find Who's Operating Pipelines in Your Area](#)



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[Home](#) | [Contact](#) | [FAQ](#)

[Privacy Policy](#) | [FOIA](#)

PIMMA
Pipeline Integrity Management
Mapping Application

[Click Here to Apply for PIMMA Access](#)

Apply for a username/password

Already have a Username?
Log on here:

- PIPELINE OPERATOR
- FEDERAL GOVERNMENT
- STATE & LOCAL GOVERNMENT

National Pipeline Mapping System

View Pipelines in/by

Choose One



Layer List

NPMS Pipelines

(This application shows the GENERAL location of gas and hazardous liquid transmission pipelines under Pipeline and Hazardous Materials Safety Administration jurisdiction. All pipelines in the U.S. are NOT represented here. This application should not be used to identify exact locations of pipelines or as a substitute for contacting the appropriate One Call system or pipeline operator prior to excavation activities.)

Visible Active

- | | | | |
|-------------------------------------|--------------------------|--|----------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | | Gas Transmission Pipelines |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | | Hazardous Liquid Pipelines |
| <input type="checkbox"/> | <input type="checkbox"/> | | LNG Facilities |
| <input type="checkbox"/> | <input type="checkbox"/> | | Break Out Tanks |

Refresh Map

Urban Areas

- | | | |
|--------------------------|--------------------------|-----------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | Urbanized Areas (scale dependent) |
| <input type="checkbox"/> | <input type="checkbox"/> | Other Populated Areas (scale |

Not sure how to use the Public Viewer?

Click on the Help button (?) in the toolbar on the left side of the map.

NPMS Public Viewer

No password required

National Pipeline Mapping System

View Pipelines in/by
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Visible Active

- Gas Transmission Pipelines
- Hazardous Liquid Pipelines
- LNG Facilities
- Break Out Tanks

Refresh Map

Urban Areas

- Urbanized Areas (scale dependent)
- Other Populated Areas (scale

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NPMS Public Viewer

Maximum zoom extent is shown



[GO](#)

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[View public contact information](#)

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Contacting a Pipeline Operator

- General public may view list of transmission pipeline operators in their area
- Tabular data contains a name or entity, and phone number or email



Pipeline operator contact for the geographic area you specified.  ([Do another search](#))

Pipeline Operator Name	Person to Contact	Entity to Contact	Contact Address	Phone/Fax/Email
COLONIAL PIPELINE CO		Corporate and Public Affairs	1185 Sanctuary Pkwy Suite 100, Alpharetta, GA 30004	Phone: 6787622255 Email: info@colpipe.com
COLUMBIA GAS TRANSMISSION CORP	Kelly Merritt (Manager, Communications)		1700 MacCorkle Avenue, SE, Charleston, WV 25314	Phone: 8008357191 Fax: 3043572138 Email: kmerritt@nisource.com
DOMINION TRANSMISSION INC	Robert Fulton (Media/Community Relations Manager)		445 West Main Street, Clarksburg, WV 26301	Phone: 3046273000 Fax: 3046273315 Email: Robert_E._Fulton@dom.com
PLANTATION PIPE LINE CO	JOY JOHNSON (SR ASSISTANT)		1435 WINDWARD CONCOURSE, ALPHARETTA, GA 30005	Phone: 7707514000 Email: joy_johnson@kindermorgan.com
WASHINGTON GAS LIGHT CO	Timothy Sargeant (SP Sr. Co. Spokesperson)		101 Constitution Ave NW, Washington, DC 20001	Phone: 2026246043 Email: tsargeant@washgas.com
WILLIAMS GAS PIPELINE - TRANSCO	Chris Stockton (Communications Specialist)		2800 Post Oak Blvd, Houston, TX 77056	Phone: 7132152010 Fax: 7132154154 Email: christopher.l.stockton@williams.com

National Pipeline Mapping System

View Pipelines in/by: Choose State: Then Choose City:

Layer List

NPMS Pipelines
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<input checked="" type="checkbox"/>	<input type="checkbox"/>	—	Gas Transmission Pipelines
<input checked="" type="checkbox"/>	<input type="checkbox"/>	—	Hazardous Liquid Pipelines
<input type="checkbox"/>	<input type="checkbox"/>	■	LNG Facilities
<input type="checkbox"/>	<input type="checkbox"/>	■	Break Out Tanks

IMP (Integrity Management Program)
High Consequence Areas
 (Applies to Hazardous Liquid Pipelines Only)

[Learn TMD Rule](#)

PIMMA (Password required)

www.npms.phmsa.dot.gov

National Pipeline Mapping System

View Pipelines in/by
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<input checked="" type="checkbox"/>	<input type="radio"/>	—	Gas Transmission Pipelines
<input checked="" type="checkbox"/>	<input type="radio"/>	—	Hazardous Liquid Pipelines
<input type="checkbox"/>	<input type="radio"/>	■	LNG Facilities
<input type="checkbox"/>	<input type="radio"/>	■	Break Out Tanks

Refresh Map

IMP (Integrity Management Program)
High Consequence Areas
 (Applies to Hazardous Liquid Pipelines Only)

[Large TMD Rule](#)

PIMMA with USGS aerial photos



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Obtaining Raw Data

- Available to Federal/state/local government officials and pipeline operators
- Data delivered on CD in ESRI shapefile format
- Allow one week for processing, plus mail service
- Data cannot be shared or disseminated, except internally in your agency
 - Exception: county/local governments (contact Amy.Nelson@dot.gov for details)



National Pipeline Mapping System

Ask for raw data on CD

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Data Attributes

Attributes include

- Operator name
- Pipeline system name
- Commodity carried
- Diameter (optional but reported for 78% of records)
- Interstate/ intrastate designation
- Data accuracy

Not all attributes are available on the
Public Viewer

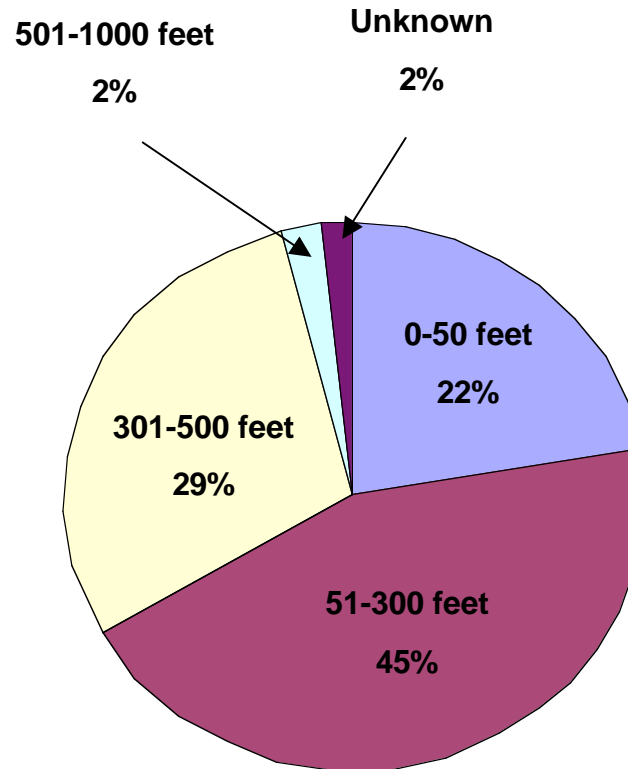


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Data Accuracy



Standard is +/- 500 feet



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Questions?

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