

SUMMARY

The National Pipeline Mapping System (NPMS) is a dataset containing locations of and information about gas transmission and hazardous liquid pipelines and Liquefied Natural Gas (LNG) plants which are under the jurisdiction of the Pipeline and Hazardous Materials Safety Administration (PHMSA). The NPMS also contain voluntarily submitted breakout tank data. There are three major databases: NPMS Public Map Viewer, Pipeline Information Management Mapping Application (PIMMA) and pipeline owner details database.

MORE ABOUT THE DATA:

Developer: [USDOT – Pipeline and Hazardous Materials Safety Administration \(PHMSA\)](#)

Update Frequency: Annually

Temporal Coverage: 1999-present

Geographical Coverage: Nationwide

Geographical Resolution: Pipeline network/point locations

Modal Coverage: Pipeline

Data Format: GIS, CAD, Tabular

Licensing Agreement: N/A for public data, necessary for PIMMA

Acquisition Cost: Free

Legal reference: Pipeline Safety: Miscellaneous Changes to Pipeline Safety Regulations – Section 195.61

Contact:

[FDOT TRANSTAT](#)

(850)-414-4848

CURRENT USERS

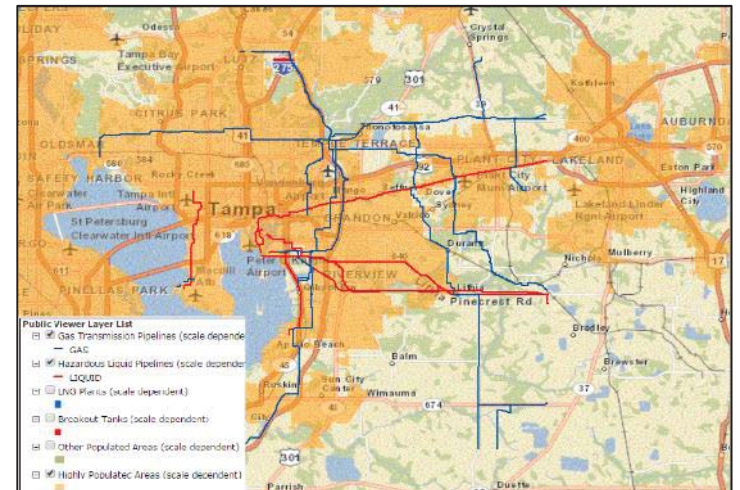
- » Florida Southeast Connection Project
- » Florida Pipeline Awareness
- » Florida City Gas
- » Office of Pipeline Safety
- » U.S Energy Information Administration

POTENTIAL APPLICATIONS

- » Emergency Response
- » Pipeline Inspections
- » Regulatory Management and Compliance
- » Smart Growth Planning
- » Environmental Planning
- » Critical Infrastructure Protection Assessment
- » Freight Demand Models

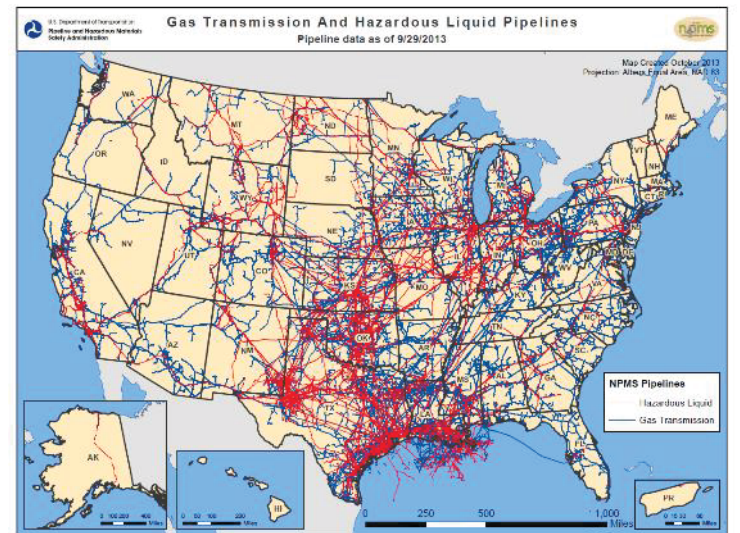
MAJOR ATTRIBUTES IN NPMS

- » Public Map Viewer provides information one county at a time and is for reference purposes. It should not be used as substitute for in-depth studies or calling 811.
- » Dataset provides GIS data layers for gas transmission and hazardous liquid pipelines. These layers provides information about operators, commodity, interstate presence, nominal diameter and pipeline status code.
- » Other data layers are LNG plants and break-out tanks which provide information about operator details, plant name and status of plants.
- » PIMMA is a password protected application, needs licensing agreement and is available to federal government users and state officials (limited capabilities).
- » The following data layers derived from a study (Natural Disaster Study, 1996) conducted by the Federal Emergency Management Agency (FEMA) are included: Earthquake Hazard Rank, Hurricane Hazard Rank, Flood Hazard Rank, Landslide Hazard Rank, Natural Pipeline Risk Index



Snapshot of NPMS Public Map Viewer

Source: [NPMS Viewer](#)



Gas Transmission and Hazardous Liquid Pipelines (2013)

Complexity Measure	Spatial Coverage	Commodity Coverage	Industry Coverage	Modal Coverage	Temporal Coverage	Collection Frequency/ update	Accuracy	Access	Usability
Rating	●	◐	◐	◐	●	●	●	◐	●

