The National Pipeline Mapping System (NPMS)

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What is the NPMS?

A geographic information system that will provide:

- Key information about pipelines & LNG facilities & their proximity to places we must protect.
  - Geospatial & attribute data on:
    - Natural gas transmission pipelines
    - Hazardous liquid trunklines
    - LNG facilities

The NPMS will also contain:

- The system will also contain other data layers, such as:
  - Unusually sensitive areas
  - Population densities
  - Natural disaster probability & consequences
  - Other transportation networks

The NPMS will help us to:

- Provide a more comprehensive national picture of the nation's pipelines & LNG facilities
- Focus inspection resources
- Plan for emergencies & natural disasters
- Decide if or where extra safety & environmental precautions are needed
- Exchange data with one another in a common format

NPMS Standards - March 1999

- *Standards for Pipeline and LNG Operator Submissions*

- *Standards for the NPMS National and State Repositories*

Submission of Data

- Gas transmission pipeline (as defined by US DOT) & hazardous liquid trunkline data (defined as a pipeline other than a flow line, gathering line, or in-plant pipeline).
- Active Liquefied Natural Gas (LNG) facility data.
- Target goal of 500 foot positional accuracy.

NPMS Structure

- Consists of:
  - Multiple State Repositories -- maintains data within their state boundaries.
  - Single National Repository -- maintains the pipeline data for all other areas.

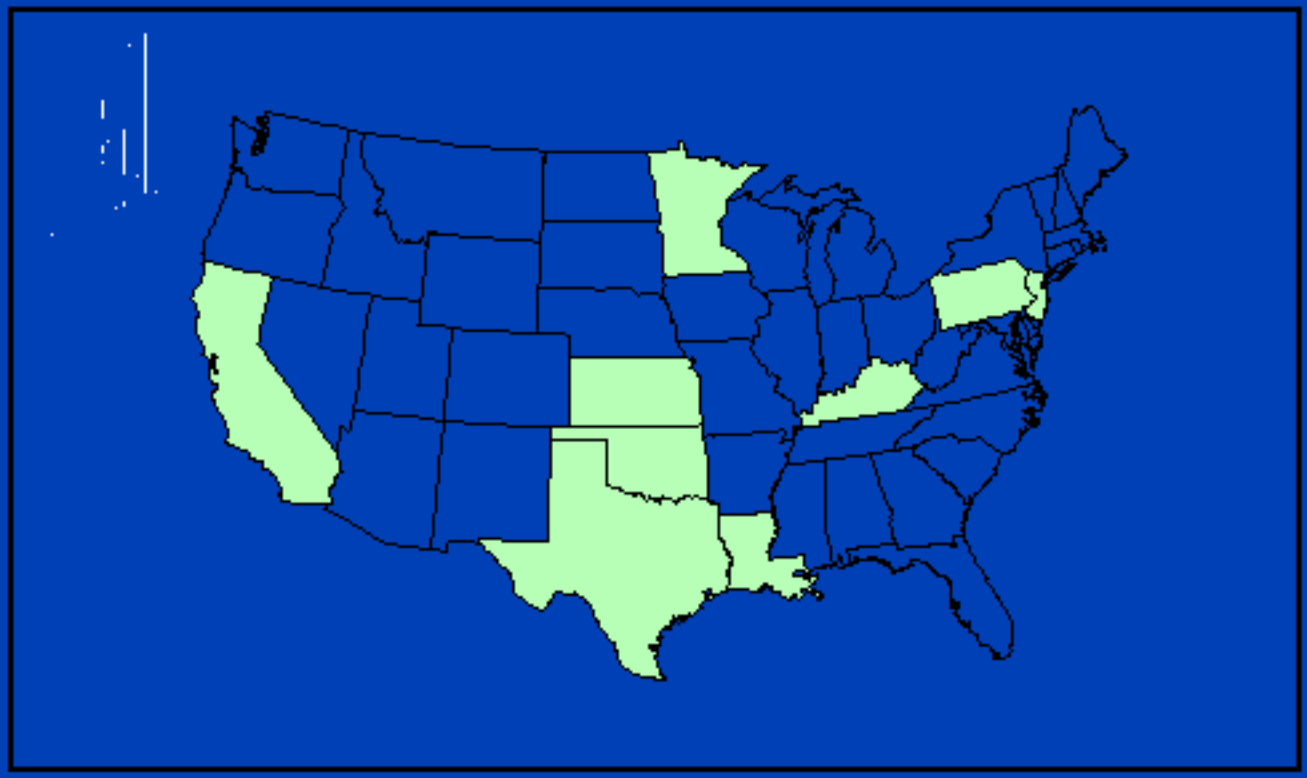
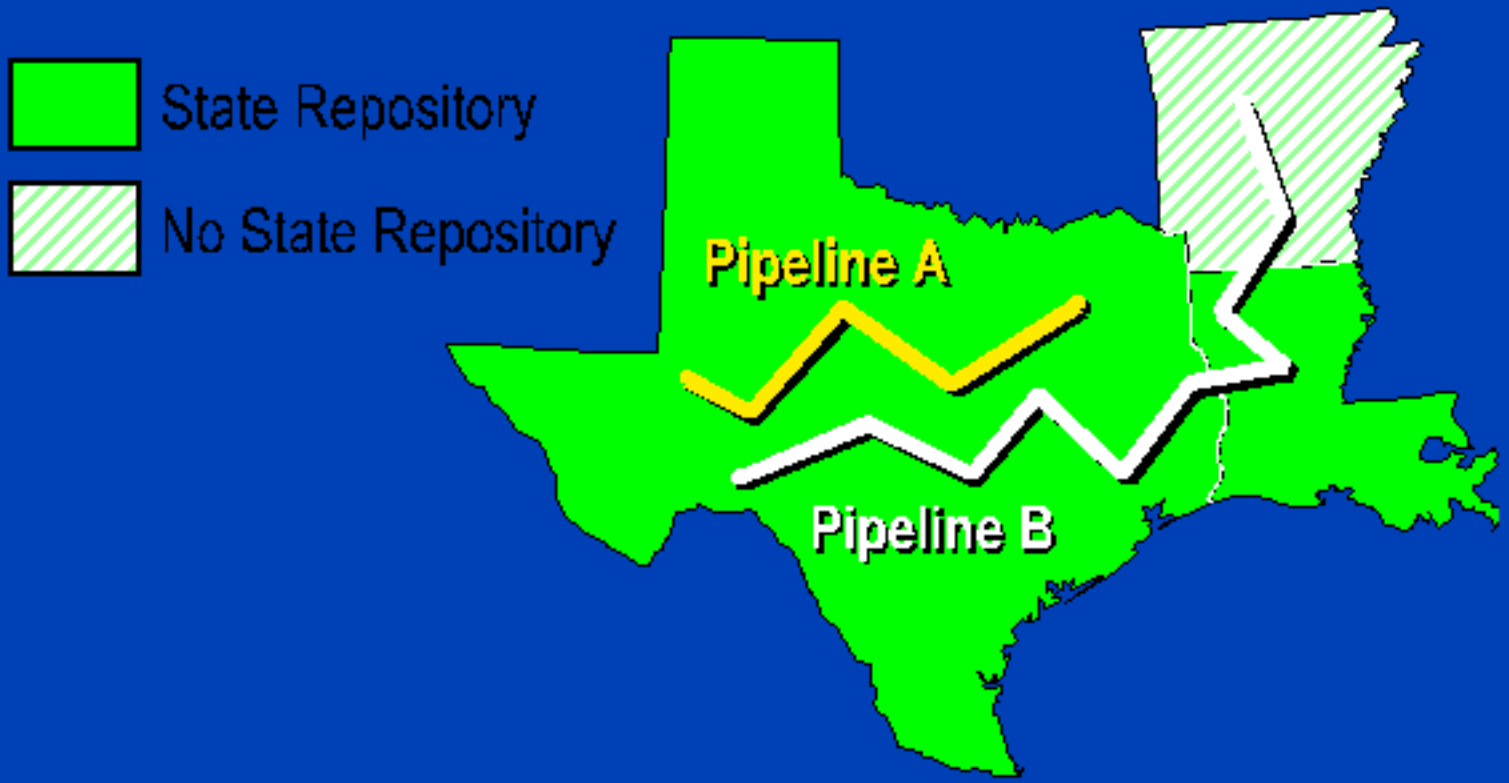
The State Repository

- The NPMS is made up of State Repositories and a National Repository.
- The State Repositories will be responsible for maintaining the pipeline information within their state boundaries.
- The State Repositories will forward information to the National Repository.

The National Repository

- The National Repository will be responsible for creating & maintaining pipeline data for areas without a state repository.
- Data entry & maintenance for the National Repository may be performed by several mapping and data contractors.
- The National Repository will be responsible for combining State & National Repository Data into a nation wide coverage.

NPMS State Repositories



Data Submission Example