



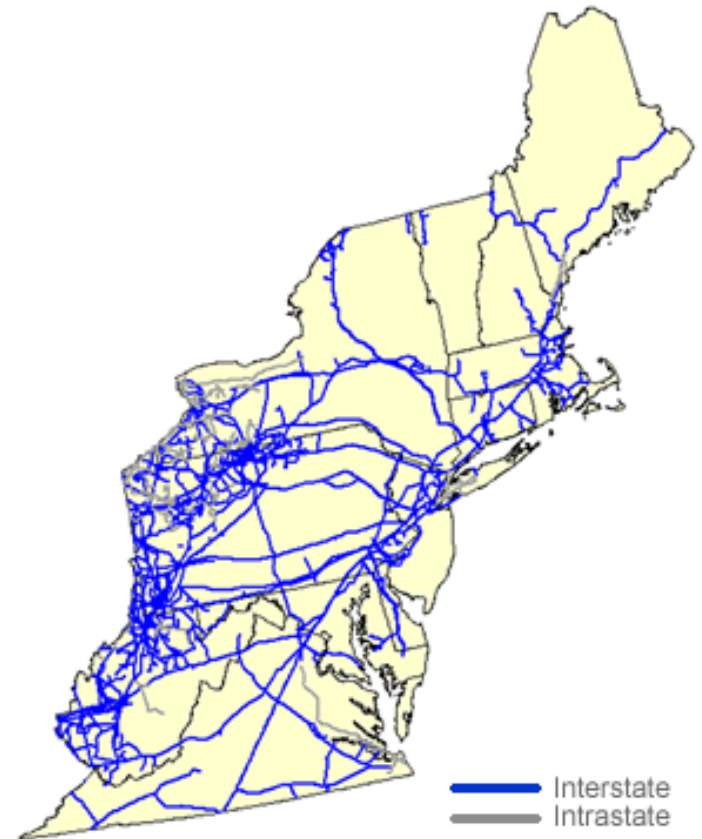
Natural Gas Distribution System Street Openings

Presented by Mike Hogan

June 17, 2014



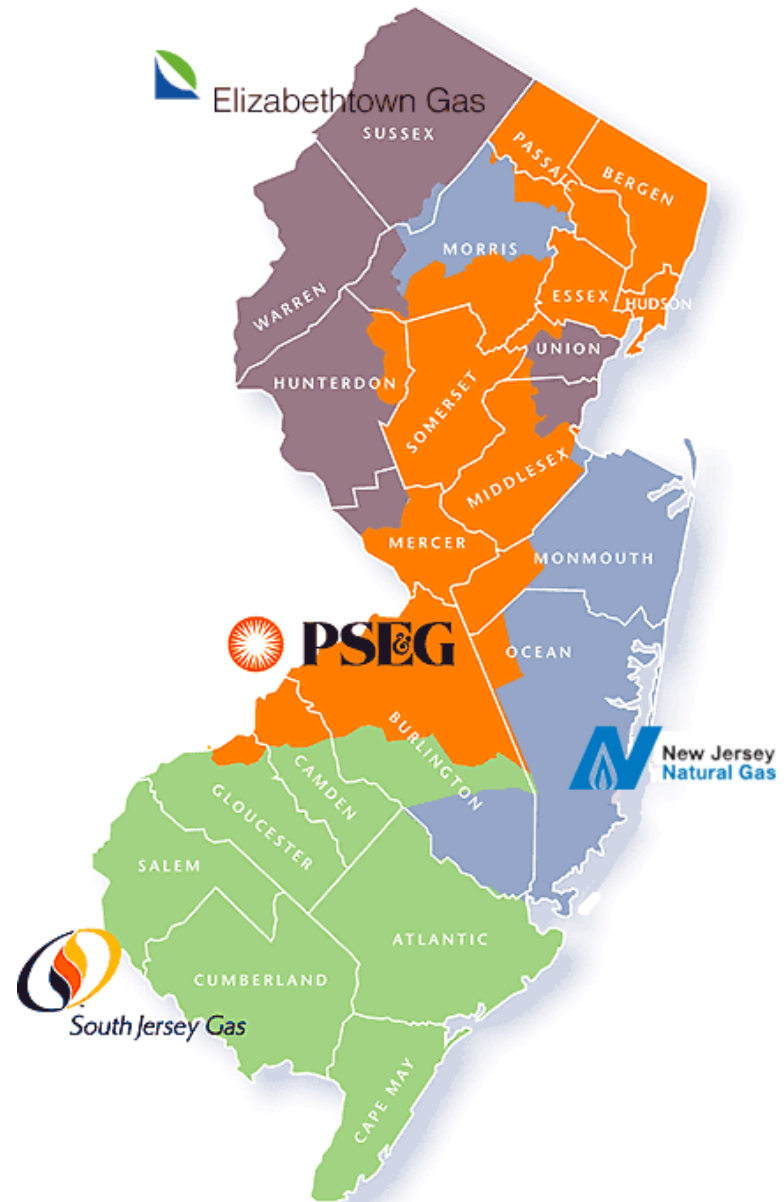
New Jersey companies take natural gas off the intrastate and interstate pipelines into their natural gas distribution facilities.



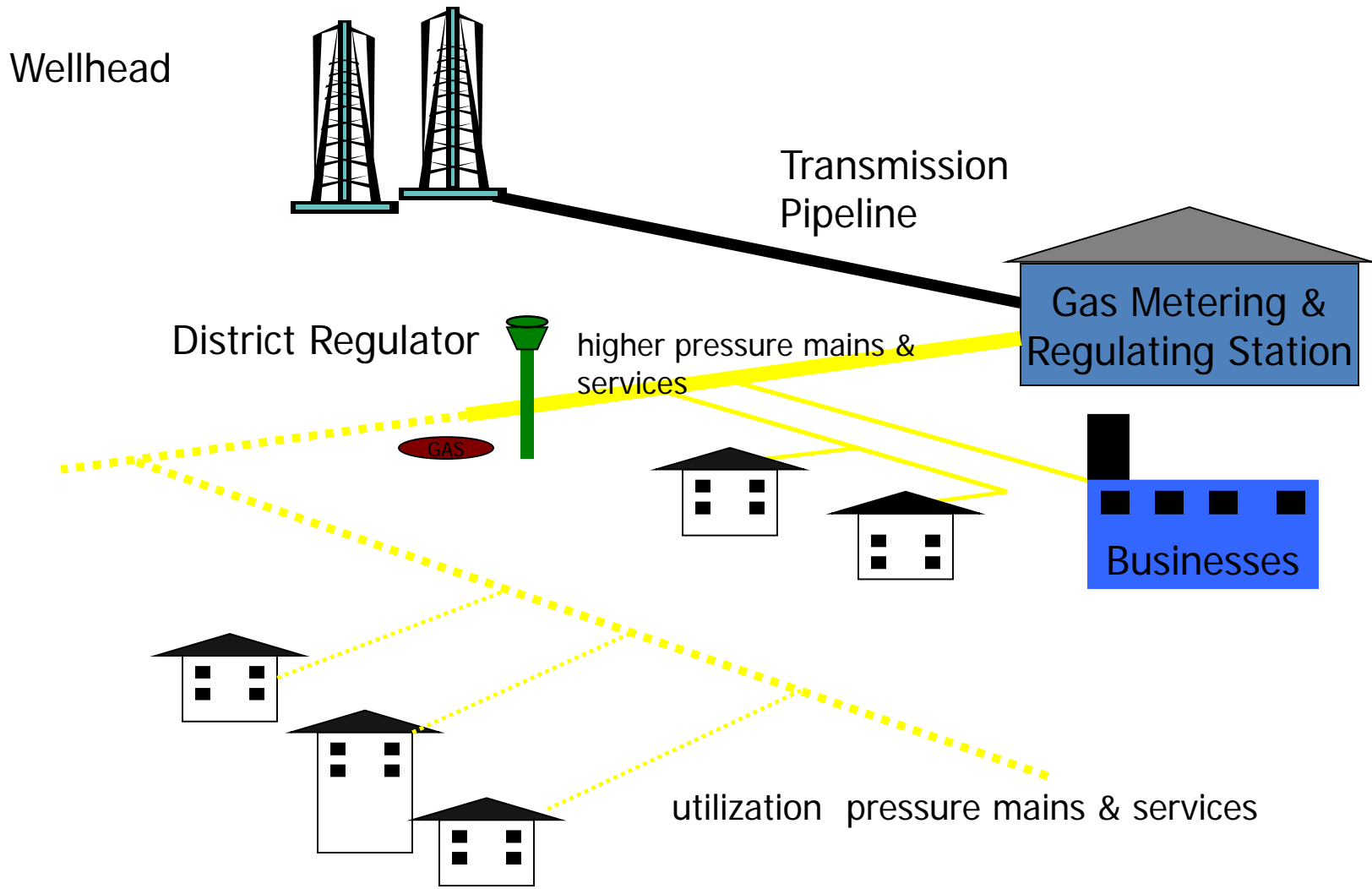
These transfer points are major metering and regulating stations monitoring gas pressures and flows.

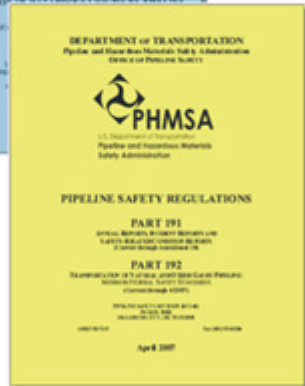
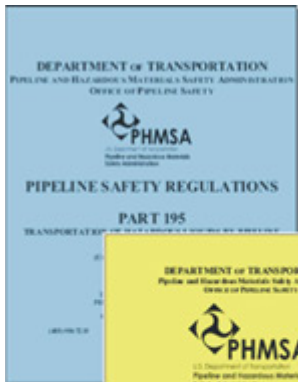


There are four LDC's responsible for the maintenance and safe operation of natural gas facilities in New Jersey.



Gas Distribution from the Source to Your Community





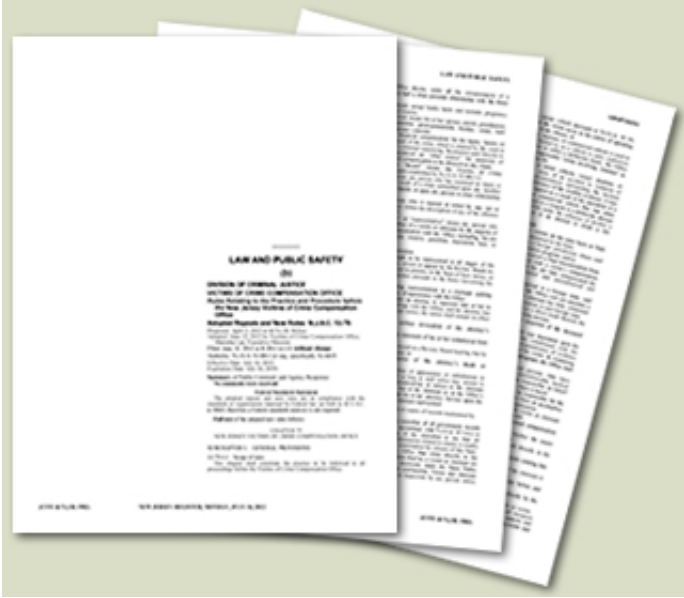
Natural gas is a federal regulated product.

The Code of Federal Regulation 49 CFR 192 is the government regulation that the local distribution companies use for guidance.



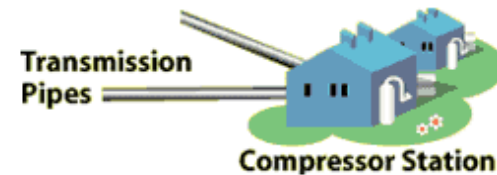


The New Jersey Board of Public Utilities (BPU) oversee compliance of the local distribution companies using Code of Federal Regulation 49 CFR 192 and associated New Jersey Administrative Codes.



PSE&G Gas Delivery

- Provides for distribution of gas at various pressures from transmission pipelines to customers.
- Constructs, operates and maintains gas infrastructure
- Provides for regulated tariff services
- Provides for competitive appliance related services



PSEG ... Gas Distribution

Functions of the Construction Group

- Gas Leak Response & Repair
- Cast Iron & Bare Steel main replacement programs
- Leaking and mandated service replacements
- New and upgraded gas main and service installation

Functions of the Regulatory Group

- Annual mandated gas leakage surveys
- Leak and damage response and investigation
- Facility locates
- Valve and Regulator Inspections
- Corrosion Maintenance



Replacement Main Program

- **Replacement Main**
 - Prioritization Criteria
 - Use of Hazard Index
 - Ahead of Municipal Paving

Focus is on material that is prone to leakage such as cast iron or bare steel facilities.



Natural Gas Leak Survey Program

Gas Leak Survey Operations

- Identified by survey equipment and the public
- Classification of leaks (leak severity) with repair actions as necessary
- Leak monitoring process for non hazardous classified leaks



PSEG Gas Leak Survey Programs

Gas Leak Survey Operations

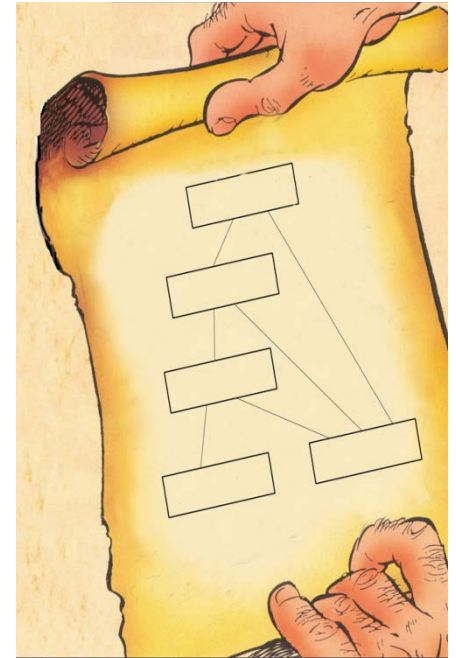
- Most leaks are identified by PSEG gas survey equipment or the public
- Leaks are classified by severity and repaired or monitored until repairs can be made



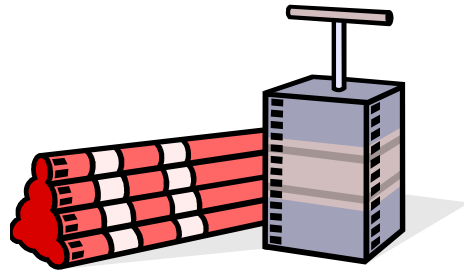
- Service Survey – every service is physically surveyed every three years
- Leak mobile Survey – every mile of gas main is surveyed annually
- Business area Survey – areas identified as business areas are surveyed annually
- Winter Patrol – High Risk areas are surveyed continuously when frost conditions warrant

Municipal Paving & Construction Projects

- When to notify the PSEG?
 - Conception
 - Design
 - Pre Construction
- Points of contact
- PSE&G's actions in response to AOP notification
- Impact on replacement main program



Municipal Work



- Facility Protection during dynamic compaction blasting & excavating
- Exposing buried utilities during Municipal Project Work
 - Supporting exposed main and cable
 - Angle of Repose

Facility Mark Outs

It's a FREE Call

Calling 811 or 1-800-272-1000 gets the utility lines marked and helps protect the excavator, general public and first responders from potential injury and unnecessary expense.



Know what's below.
Call before you dig.

Damage that Causes Product Release

Call 911!

If a homeowner or excavator causes or discovers any damage that causes product release from pipes carrying natural gas, liquid petroleum or any hazardous liquid, they must...

- 1. Call 911 and**
- 2. Report damage to underground facility operator**
- 3. Call 811 or 1-800-272-1000 for the NJ One Call Center**

In New Jersey – *It's the Law!*

New Jersey Administrative Code requires anyone damaging natural gas facilities to contact 911 immediately and then notify the local distribution company.

2013 PSE&G Gas Damage Summary

272,049 facility location requests
(One call for markout)

- 668 Gas Damages in our service territory
- 30% Failure to call for a markout
- 42% Failure by the excavator to locate the gas facility by hand before continuing with the machine.



Facility Markouts

**We need your help,
look out for the markout!**



**If you see construction and
no paint or flags request the
excavator to stop. Then
instruct the excavator to
call 811 to obtain a routine
locate request.**



We Need Your Help: Add link: www.pseg.com/safety to Municipal sites

Safety Information - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address Links

Safety [email this page](#)

Safety Information

PSEG is committed to helping its customers and the communities we serve safely enjoy the benefits of gas and electric energy. We work hard to keep our employees safe, too.

- Gas and Electricity Safety**
Safety tips for around the home, outdoors and on the road. >> [More](#)
- Welcome to the Neighborhood**
Safety tips from our brochure for new homeowners. >> [More](#)
- Digging Safely**
PSE&G partners with communities to ensure that workers and homeowners dig safely. Remember, always call before you dig! >> [More](#)
- Preventing and Preparing for Utility Emergencies**
These resources can help community first responders prepare for, avoid and respond to utility emergencies. >> [More](#)
- Nuclear Emergency Preparedness**
PSEG Nuclear works with state officials to protect the communities we serve. >> [More](#)
- Keeping Our Employees Safe**
At PSEG, we're cultivating a culture of safety to protect

Interactive Resources



Learn about electric safety at home and at work. [more...](#)

Our Community



Children can reach out to PSE&G workers for help when hurt or in danger. [more...](#)

Trusted sites

Communities & Utilities – Partners in Safety

- **Emergency and Leak Response**
- **Maintenance of the distribution system**
- **Construction inspection/excavation education**
- **Facility relocation work to support municipal growth and infrastructure improvements**
- **Commercial and residential new construction**

Street Openings

- Preventative or corrective maintenance drive the need for street openings
- Replacement facilities, driven by a predictive hazard index model, requires street opening permits



Energy Strong – PSE&G Gas

- Focused on low pressure cast iron facilities located within identified flood prone areas
- 250 miles of facility replacement/upgrade
- Very concentrated in certain areas (Hoboken, Bayonne, Westwood, Hillsdale, Paterson, South River, Bound Brook)





Communication and Coordination

- PSE&G will continue to work with local authorities on coordination efforts
- PSE&G will continue to publicize information concerning major projects impacting local residents
- PSE&G will maintain open communications with the municipalities and people we serve.



QUESTIONS

