

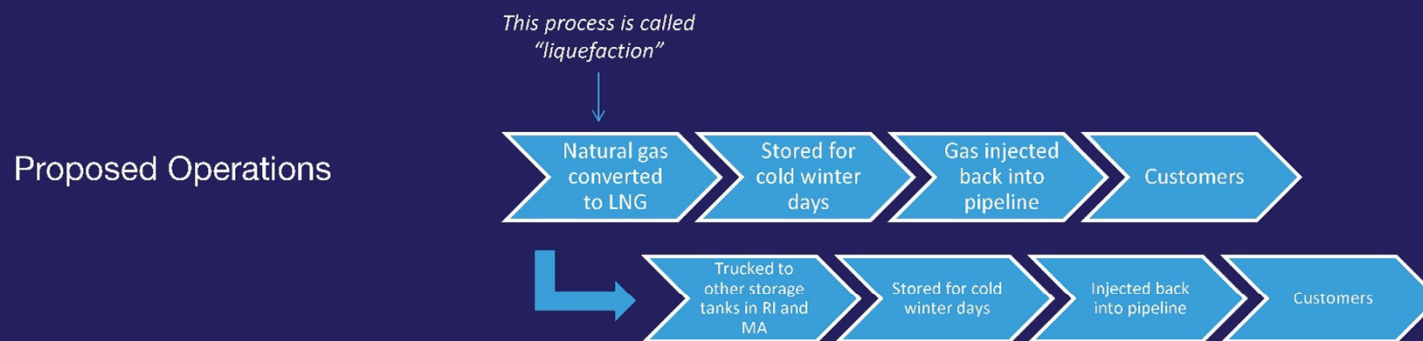
# Welcome, neighbors.

We're glad you're joining this community meeting about the **Fields Point Liquefaction Project**. We're here to answer your questions and share information, and we welcome discussion on all aspects of the project.



# Providing Improved Gas Supply

We are initiating the permitting process to add liquefaction equipment to our existing storage facility to improve our ability to provide security of supply and protect our customers from gas price volatility.



# Keeping Your Home Warm

- Currently, Liquefied Natural Gas is a critical component of the gas supply portfolio in Rhode Island. It's needed for:
  - ≈ 9 days/year
  - ≈ 39% of peak day supply
  - ≈ 4% of winter season supply
- LNG also provides reliability by being available in the event of supply disruptions, such as pipeline or compressor station failures
- LNG tanks are primarily filled with supplies from overseas



# Timeline





# Plant Operations Today



- Fields Point tank was built in 1973
- Storage capacity of 25 million gallons or 2.07 billion cubic feet of natural gas
- Safely operating continuously since 1974
- Excellent safety and environmental record
- Weekly, monthly and annual safety inspections
- Regular audits of safety and compliance programs by federal and state authorities

# What is Liquefied Natural Gas?

- Liquefied Natural Gas is natural gas (methane) converted to liquid form for storage or transport
- LNG is colorless, odorless, non-corrosive and non-toxic
- It is transported in cargo ships from overseas or in specially designed trucks
- It is stored in insulated double wall tanks



# Area Map





# Containment Wall Enhancements

- The existing containment walls are safe and in good condition
- National Grid has identified ways to improve the overall safety profile of the facility by updating parts of the dike
- Designs are being developed to strengthen the containment wall around the storage facility
- This work is proposed to be conducted in parallel with the liquefaction facility construction
- Containment (dike) walls are passive safety systems, requiring no instrumentation or human intervention
- National Grid makes it a priority to go above and beyond the minimum safety requirements when installing or improving its facilities



# Project Area



Laydown Area  
for Construction

Liquefaction  
Facility

Gas Pipeline  
(existing)

Containment Wall  
Enhancements  
(proposed)

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# Vaporization

Liquefied Natural Gas is converted back to natural gas through a process called **vaporization**; a process that warms natural gas to a temperature of 60 degrees Fahrenheit, turning it to a gaseous state.

After this process, it is injected into our pipeline to serve our area customers for heating and cooling homes, cooking, manufacturing etc.



*This image is for illustrative purposes only.*



# Liquefaction



*This image is for illustrative purposes only.*

Liquefied Natural Gas is created through a process called **liquefaction**; a refrigeration process that cools natural gas to a temperature of -260 degrees Fahrenheit, turning it into a liquid.

This reduces the volume of the gas by about 600 times to store in our tank or transport to other regional storage tanks in Rhode Island and Massachusetts.



# Environmental Review Process

## Pre-Construction

- Design project to minimize impacts to the environment. Conduct field surveys to identify and help protect sensitive resources:
  - Threatened and endangered species
  - Wetlands and water bodies
  - Cultural resources
- Obtain all necessary federal, state and local permits.

## Construction Phase

- Utilize environmental inspectors through construction to ensure compliance with all necessary permits. Use best management practices through construction:
  - Temporary and permanent erosion control
  - Restoration of site

## Post-Construction

- Monitor to ensure effective restoration

# Permitting Agencies

## Permits are required from:

- Federal Energy Regulatory Commission (FERC)
- Rhode Island Coastal Resources Management Council (RI CRMC)
- Rhode Island Department of Energy Management (RI DEM)

## Other consulted agencies include:

- City of Providence
- Natural Resources Conservation Service
- NOAA Fisheries
- Rhode Island Department of Transportation
- Rhode Island Historical Preservation & Heritage Commission
- Rhode Island Natural History Survey
- United States Army Corps of Engineers
- United States Department of Pipeline and Hazardous Materials Safety Administration
- United States Environmental Protection Agency
- United States Fish & Wildlife Service
- United States Geological Survey

# Public Participation

Your voice matters.

We are responding to stakeholder input throughout the planning and permitting processes. We have begun and will continue communication with key stakeholders, including:

- Local residents and businesses
- Local, state, federal officials
- Local planning organizations
- Local safety and emergency management officials
- Environmental and economic groups
- Community Members

You can reach us in a number of ways:

- Visit our website at **[fieldspointngrid.com](http://fieldspointngrid.com)**
- Send us an email at **[fieldspoint\\_liquefaction@nationalgrid.com](mailto:fieldspoint_liquefaction@nationalgrid.com)**
- Call our 24/7 project hotline at **888-275-6326**