About Liberty Utilities - NH

- 91,000 gas customers in 31 communities (I-93 Corridor)
- 43,000 electric customers in 21 communities (Salem area and Upper Valley / CT River)
- Headquartered in Londonderry
- 340 employees
- Natural gas customers served via interstate pipelines, 3 liquefied natural gas (LNG) and 4 propane storage facilities
- 5 customer walk-in centers (Concord, Lebanon, Salem, Londonderry & Keene)
Demand Continues to Increase

Six New Peak Sendouts During Cold Snap
Needed Infrastructure Investment

Concord Lateral provides natural gas to southern and central New Hampshire.

Concord Lateral has reached capacity.

Without additional infrastructure:

- Limited natural gas supply
- Restricted economic growth
- Increased reliance on propane and oil
Granite Bridge Overview

Granite Bridge is a $340 million natural gas pipeline and storage project designed to serve the residents and businesses of New Hampshire.

**Pipeline**
- 27 mile pipeline between Stratham and Manchester
- Located completely within NHDOT right-of-way along Route 101
- Use an “Energy Infrastructure Corridor”

**Storage Facility**
- 2 BCF liquefied natural gas (LNG) tank
- Located on 140 acre site in Epping (adjacent to Route 101)
- Full containment facility with state-of-the-art safety systems
Granite Bridge Pipeline

- New 16” pipeline linking existing infrastructure
- Located in NHDOT right-of-way along Route 101
- Utilize an Energy Infrastructure Corridor
- 27 mile route between Manchester and Stratham
- No eminent domain or FERC preemption
- Lowest cost option to meet customers’ needs
Granite Bridge Storage Facility - Epping

- 140 acre lot adjacent to Energy Infrastructure Corridor – Route 101
- Total facility footprint – 15 acres
- Site is an abandoned quarry, reducing visual impact
Granite Bridge Storage Facility

Designed to liquefy, store and vaporize natural gas

Full containment LNG storage tank system able to store 2 BCF of LNG

Approximately 150’ - 170’ high, 200’ diameter

Physical low-cost hedge:
- filled in summer
- drawn upon in winter

Lowest cost supply option for customers

48 LNG storage facilities in New England, 118 in US
Savings to Customers

Compared to available alternatives, over 20 years:

$240 million
Savings from LNG Storage Facility compared to alternative supply contracts

$710 million
Savings from new pipeline compared to alternative capacity options

$950 million
Total project savings

What If???

LNG facility would have saved customers:

~$40 million in 2013-14
~$24 million in 2014-15
~$12 million in 2015-16
~$9 million in 2016-17
~$20 million in 2017-18
~$105 million over last 5 winters
Commitment to Safety

The safety of our customers, employees and the public is our highest priority and a core value of Liberty Utilities

- LNG storage has been safely used for over 70 years to serve customers
- Granite Bridge has been designed to achieve the highest level of safety:
  - Built to high consequence area standards
  - Pipeline buried 48” underground, within NHDOT right-of-way
  - Full x-ray of all pipeline welds, inspections at fabrication mill
  - Pipeline inspections would exceed federal requirements
  - Full containment LNG storage tank (tank within a tank)
  - Impoundment areas designed to contain liquid, in unlikely event of a release
  - On-site fire suppression and safety systems
  - 24/7 on-site and remote (Londonderry) monitoring & control of storage facility and pipeline
  - Coordination and training with first responders
Benefits to Communities

• **Potential new natural gas service to towns along Route 101**
  • Candia, Raymond and Epping

• **Lower energy costs**
  • Natural gas less expensive than competing heating fuel options
  • Provides more residents and businesses with access to award winning energy efficiency programs

• **Contributor to economic development**
  • Low cost natural gas spurs economic development

• **Local property tax revenue**
  • Over $200 million estimated total state and local property tax revenue for all communities, over the life of the project
Regulatory Review Process

• **New Hampshire Public Utilities Commission (NHPUC)** reviews the project economics and need
  • Evaluate projected customer needs
  • Determine if project is least-cost option

• **Site Evaluation Committee (NHSEC)** reviews project siting
  • Determine if Liberty Utilities has the financial, technical, and managerial capability to construct and operate the facilities
  • Determine if the project will adversely impact:
    • aesthetics
    • historic sites
    • air and water quality
    • the natural environment
    • public health and safety
## Next Steps / Timeline

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<th>Year</th>
<th>Events</th>
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| 2017 | Initial outreach to communities and key stakeholders (Early-to-Late November)  
Public announcement of the project (December 4)  
Filing for NHPUC approval of project economics (December 22) |
| 2018 | Continued Public Outreach  
File Application with NHSEC (4th Quarter)  
NHPUC Hearings |
| 2019 | NHPUC Decision  
Continued Public Outreach  
NHSEC Decision |
| 2020 | Continued Public Outreach  
Construction Commences |
| 2021 | Continued Public Outreach  
Pipeline Construction Concludes  
Pipeline In-Service |
| 2022 | Continued Public Outreach  
LNG Storage Facility Construction Concludes  
LNG Storage Facility In-Service |
Thank You

For more information:
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