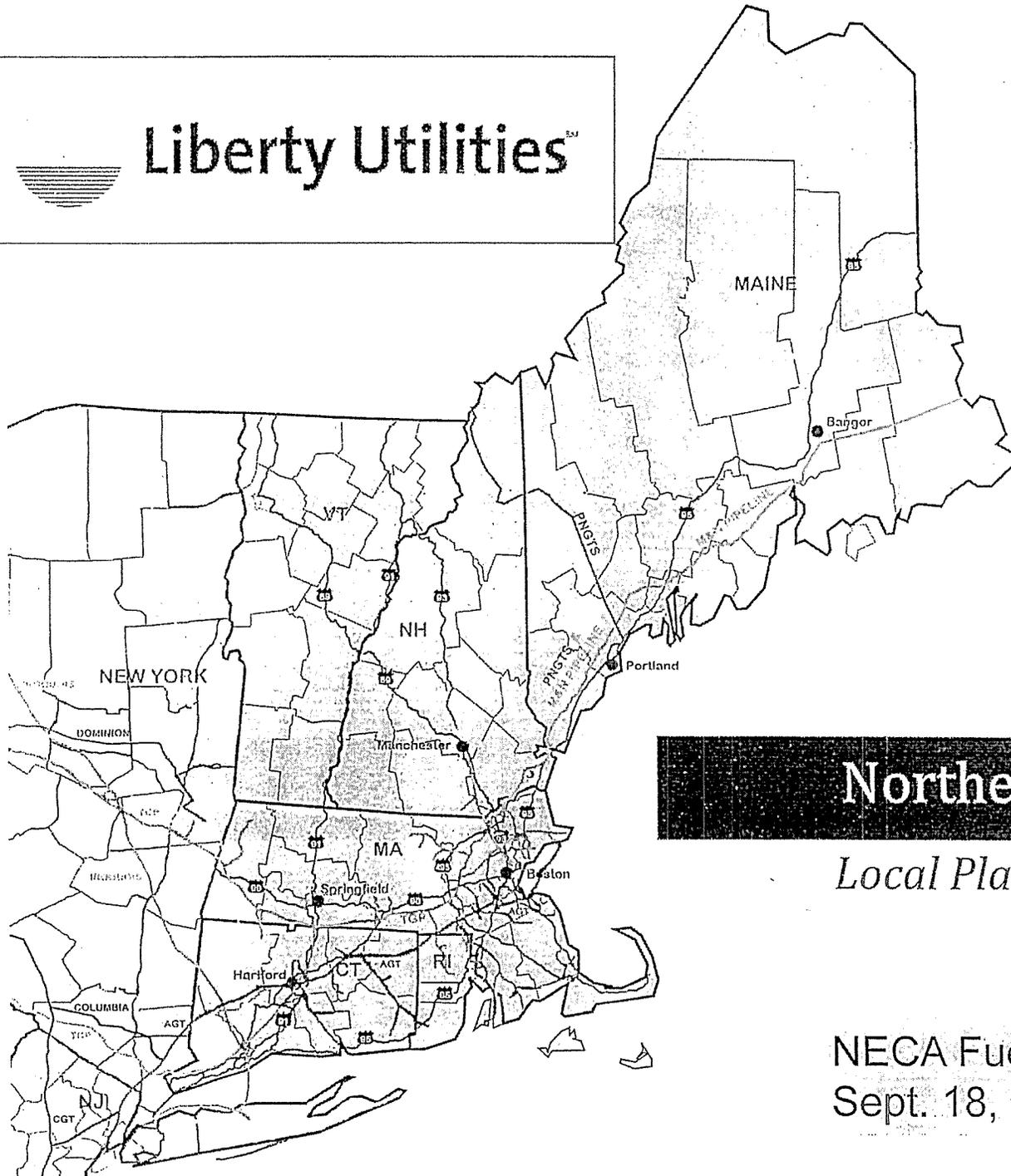
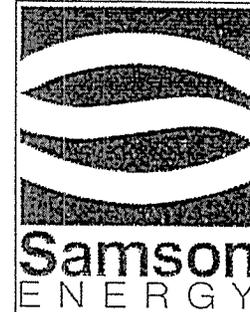




Liberty Utilities<sup>SM</sup>



ORIGINAL

N.H.P.U.C. Case No. DG 14-380

Exhibit No. # 52

Witness Panel #1

DO NOT REMOVE FROM FILE

# Northeast LNG Project

*Local Plant, Domestic Supply*

NECA Fuel Conference  
Sept. 18, 2014

# Who we are



- Owner of regulated natural gas, electric, water, and wastewater utilities throughout the US
- Provide service to nearly 500,000 customers
- Subsidiary of Algonquin Power & Utilities Corp (AQN: TSX).
- Significant presence in the North East through ownership of EnergyNorth Natural Gas Inc, Granite State Electric Co. (acquired from National Grid) and New England Gas Co. (acquired from Southern Union)

- Samson Energy Company, LLC ("SEC") was formed in December 2011 to continue the development and growth of the oil and gas assets retained by the Schusterman family following the sale of Samson Investment Company to KKR & Co.
  - Assets located in the Gulf Coast areas of TX and LA and the deepwater GoM
- Operate over 160 wells in 15 onshore counties and parishes

- Northstar is an engineering, procurement, fabrication & construction company that has served pipelines, LDCs, storage, industrials and power generation companies since 1996.
- Experienced LNG service provider
- Samson owns a majority interest in Northstar.

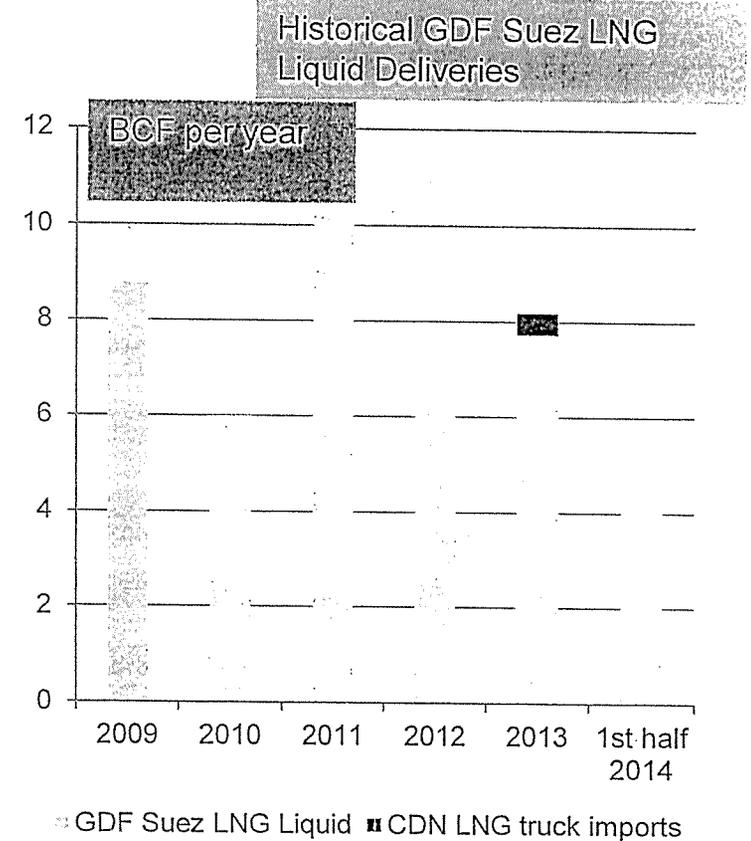
# Northeast LNG Project - Why Are We Here?

- Liberty Utilities and Northstar/Samson Energy have formed a joint venture to develop, own and operate an *LNG liquefaction and storage project*
- The project represents a *local and domestic* source of LNG purpose built for the LDC community
- New sources of supply and natural gas supply diversity is beneficial to New England
- New source of LNG liquid in the region will serve as one piece to the puzzle

# LNG Liquid

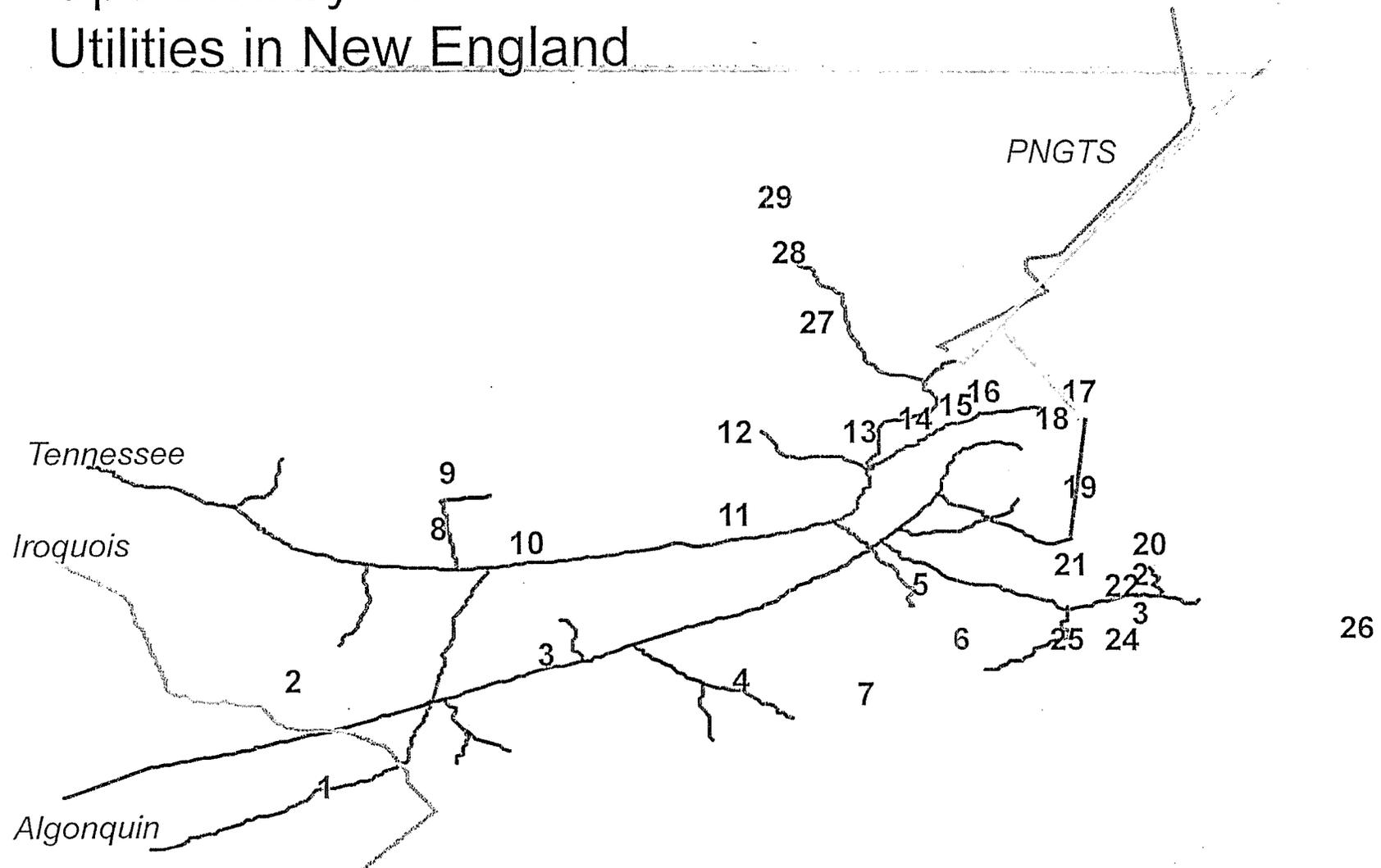
## New England LNG facts

- 30-35 cities host LNG tanks
- Total LDC Storage Capacity 16.0 BCF
- Industrial demand 2-5 accounts that utilize LNG
- LDC LNG liquefaction capability 50,000/d (10.7 BCF over 214 day refill season)
- Historical LNG liquid supply for New England
  - > LDCs make their own
  - > Other sources from GDF Suez' Everett facility via LNG imported by vessel with smaller quantities via truck imports from Quebec and PA area



# LNG Satellite Tanks Operated by Local Gas Utilities in New England

M&NE



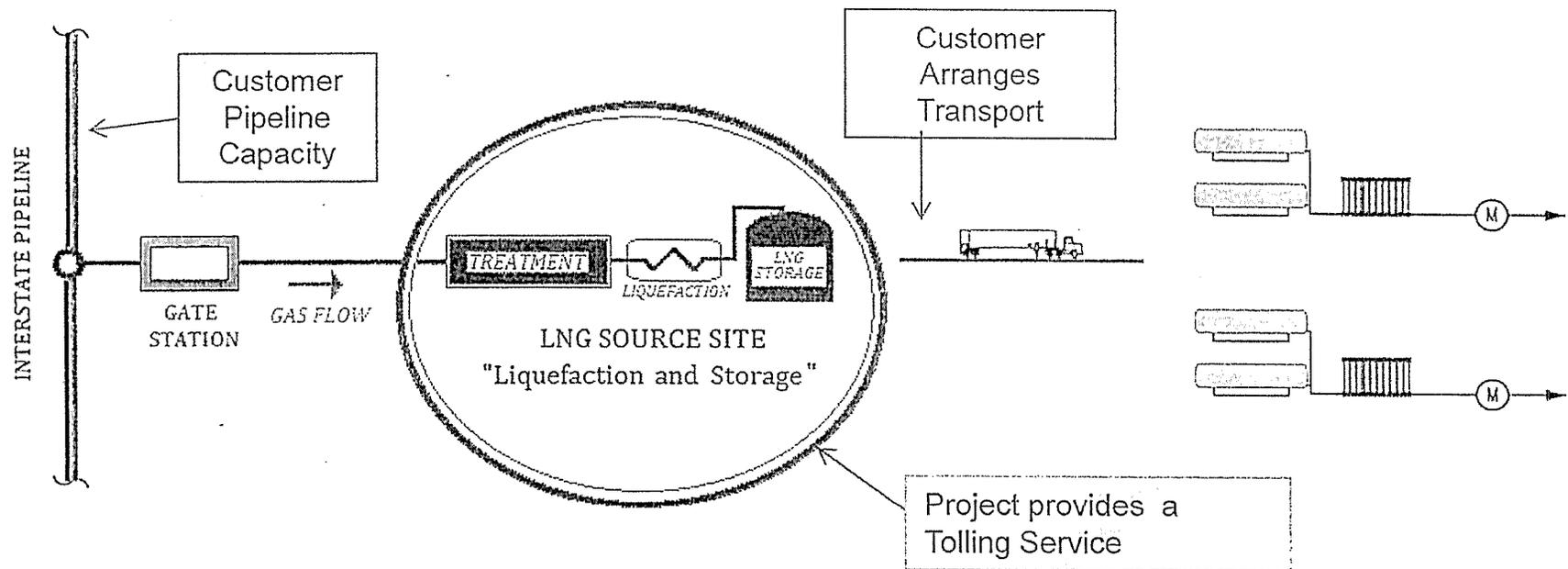
LDC storage of 16 Bcf  
LDC vaporization capacity: 1.4 Bcf/day  
45 tanks, in 30 communities, in 5 states

# LNG Liquefaction & Storage Project Design Features

- Location: South, central Massachusetts - located within 100 miles of most LDCs in New England
- LNG Liquefaction: 15,000 - 20,000 MMBtu per day capacity (nitrogen cycle technology)
- April – Oct Capacity: 3.0 - 4.3 BCF
- LNG storage tank: 0.2 to 0.7 BCF
- Interconnect: Tennessee Gas Pipeline via short pipeline
- Interstate Highway System: Less than 5 miles
- LNG Tanker dispensing system: Load Customer trailers
- Land: 220 ACRE site zoned “heavy industrial”
- FERC jurisdictional

# Service Offering – Tolling Arrangements

- 15 Year Contracts
- Market Based Rates
- Liquefaction and storage
- Customer deliveries natural gas by pipeline
- Customer receives LNG via truck



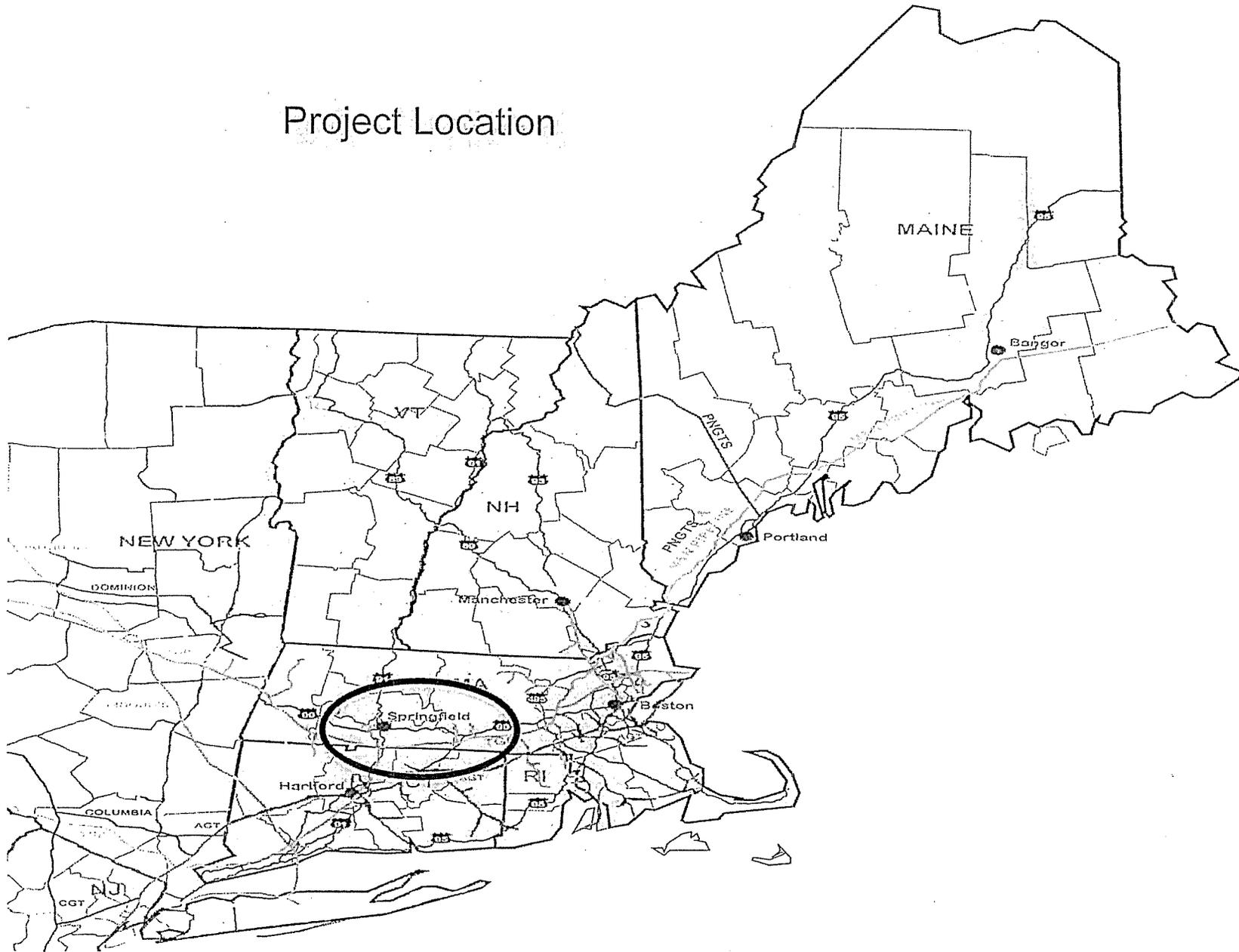
# Types of Services to Meet Varying LDC Needs

- Liquefaction service - Summer Refill
  - Summer (Apr – Oct) liquefaction
  - Access to short term storage capacity (few days)
  - Access to truck loading capacity 24/7
- Liquefaction and Storage service
  - Summer (April - Oct) liquefaction
  - Store for winter withdrawals
  - Access to truck loading capacity 24/7
- Benefits to LDC
  - Reliable LNG for peak shaving
  - Optimal utilization of the existing combined LDC pipeline capacity and LNG storage assets
  - Additional regional LNG liquefaction and storage capacity
  - LNG supply diversity

# Project Schedule

- Site Control – option on land
- Finalize Precedent Agreements with Customers – Early QTR 4, 2014
- Initiate FERC Pre-Filing - Early QTR 1, 2015
- FERC Application - Mid 2015
- FERC Approval - QTR 2, 2016
- Commence Construction - QTR 2, 2016
- In-service - QTR 2, 2018

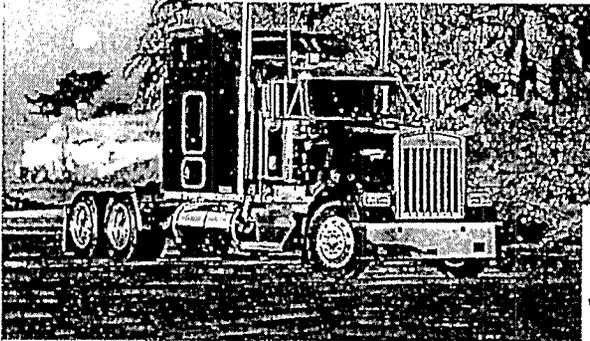
# Project Location



# LNG Future

Slower to develop in New England

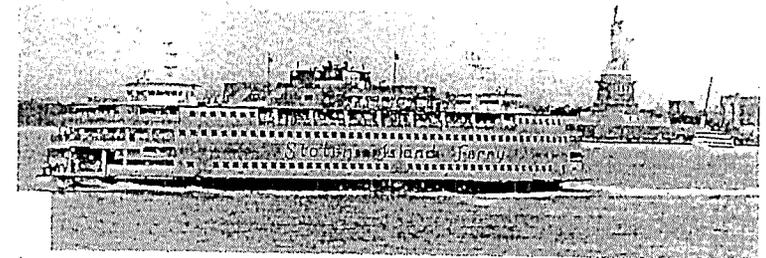
Transportation



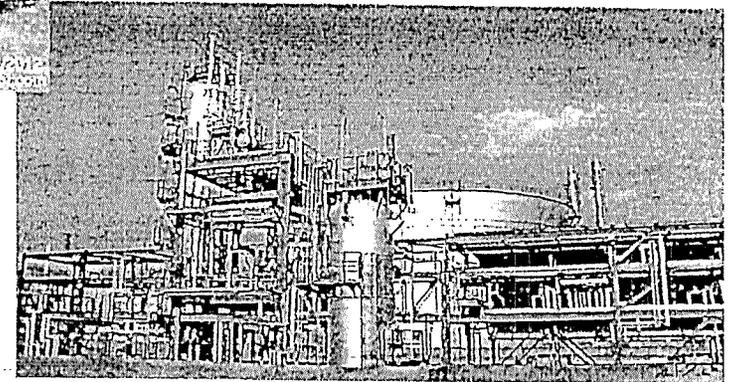
Rail



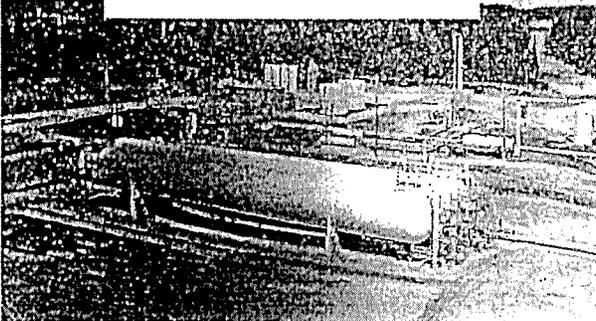
Marine



Industrial / off pipeline customers



Satellite LDC



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