Special Town Meeting
June 30, 2014

Presentation on Northeast Energy Direct Project

Richard Hewitt, Homeowner
Al Futterman, Nashua River Watershed Association
Jim O’Reilly, Northeast Energy Efficiency Partnerships
Background

New England States Committee on Electricity (NESCOE) seeks to increase region’s gas capacity to
• Mitigate peak season electricity rate spikes
• Ensure grid reliability during peak season usage
• Ensure region is not competitively disadvantaged

The proposed TGP Northeast Energy Direct is one potential solution to addressing this concern
TGP Energy Direct Overview

• Tennessee Gas Pipeline (TGP), a subsidiary of Kinder Morgan, is proposing to install a 250-mile long buried 30- to 36-inch diameter high-pressure gas pipeline across 45 MA towns.

• Includes meter stations, compressor stations and above ground valves.

• Addition of six lateral lines off the mainline route
Process and Timeline

• Kinder Morgan is surveying the proposed route – a necessary step to FERC filing

• KM plans to do a pre-filing with FERC in October 2014, which is aimed to identify and remedy issues related to pipeline siting, environmental impact etc.

• Following FERC’s issuance of Environmental Impact Statement, FERC will issue an order of construction.

• KM is aiming for FERC approval Nov 2016 and would start construction Jan 2017

• Pipeline operational late 2018

Estimated Project Schedule

<table>
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<th>Action</th>
<th>Timing</th>
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<tr>
<td>Outreach Meetings</td>
<td>Ongoing</td>
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<tr>
<td>Route Selection and Permit Preparation</td>
<td>Ongoing</td>
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<td>Agency Consultations</td>
<td>Ongoing</td>
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<tr>
<td>File for FERC pre-filing</td>
<td>October 2014</td>
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<tr>
<td>KM Open Houses</td>
<td>November – December 2014</td>
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<tr>
<td>FERC Scoping Meetings</td>
<td>January – February 2015</td>
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<td>FERC filing</td>
<td>August 2015</td>
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<tr>
<td>Anticipated FERC approval</td>
<td>November 2016</td>
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<tr>
<td>Proposed Start of Construction Activity</td>
<td>January 2017</td>
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<td>Proposed In-Service</td>
<td>November 2018</td>
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## Towns affected

### Preliminary Northeast Expansion Project Town List

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<th>Hampshire County</th>
<th>Middlesex County</th>
<th>Worcester County</th>
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<tr>
<td>- Dalton, MA</td>
<td>- Plainfield, MA</td>
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<td>- North Reading, MA</td>
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<td>- Ashfield, MA</td>
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<td>- Conway, MA</td>
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<td>- Deerfield, MA</td>
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<td>- Erving, MA</td>
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Proposed Pipeline Route Through Groton
Pipeline Construction

- 100’ clear cut during construction
- 50’ permanent easement scar maintained by mowing, possibly herbicides
How we are affected – *Permanently altered land*

Dracut pipeline construction and easement
Habitats affected*

Statewide Impact:

- 72 miles core wildlife habitat
- 32 miles of secondary wildlife habitat

*Excludes laterals
Water resources affected*

Statewide Impact:

- 206 wetlands
- 15 outstanding water resources

*Excludes laterals
How we are affected - *We may pay for the pipeline*

“...the New England States Committee on Electricity, whose members are appointed by the region’s six governors, **wants a tax to fund pipeline construction.**

- By ALISON SIDER, *Wall Street Journal*, April 27, 2014 7:24 p.m. ET

The IGER concept referenced in the above diagram was proposed by National Grid, UIL and Northeast Utilities, and may be a possible model for administering the new gas infrastructure and the allocation of costs.
How we are affected - *Eminent Domain*

Section 7(h) of the Natural Gas Act (NGA) grants the right of eminent domain when a certificate of public convenience and necessity is issued by the Commission under section 7(c) of the NGA.

Thus, when the Commission finds that a proposed project is in the public convenience and necessity, **the pipeline company has the right to acquire the property for that project by eminent domain** if the pipeline cannot acquire the necessary land through a negotiated easement or where the landowner and the pipeline cannot agree on the compensation to be paid for the land.

- FERC

Federal law regarding natural gas pipelines usurps state and local laws regarding land use and protection.
How we are affected - *Greenhouse gas emissions*

“Pound for pound, the comparative impact of CH4 on climate change is over 20 times greater than CO2 over a 100-year period.”
- EPA

“The proposed Kinder Morgan project... is also contrary to the state’s commitment to meet the greenhouse gas (GHG) emission reduction targets of the *Global Warming Solutions Act.*”
- Henry Tepper, President, MassAudubon

How we are affected – Gas Leaks

• Nationally, 2.6 trillion cubic feet of natural gas “lost” between 2000-2011
• Equivalent to releasing 56.2 million metric tons of CO2

• In Mass., 99 billion cubic feet of natural gas “lost” between 2000-2011
• Mass. ratepayers paid as much as $1.2 billion for gas they never received
• At least 45% of Mass.’ methane emissions come from leaks
How we are affected - Potential safety issues

An “incident” is recorded when:
- fatality or injury requiring in-patient hospitalization
- $50,000 or more in total costs, measured in 1984 dollars
- highly volatile liquid releases of 5 barrels or more or other liquid releases of 50 barrels or more
- liquid releases resulting in an unintentional fire or explosion

Since 1995:
- 1247 incidents
- 41 fatalities
- 195 injuries
- $1.7 Billion in property damage

Source: PHMSA Significant Incidents Files, Apr 01, 2014
How are we all affected?

- Potential safety issues

San Bruno CA, 2010:
- 30” pipeline explosion
- 8 fatalities
- Dozens of homes destroyed
# How we are affected - *Residents’ concerns*

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<th>Pipeline’s Potential QOL Impact</th>
<th>Homeowner Perspective</th>
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<td>Homeowners rights/eminent domain</td>
<td>Negative impact</td>
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<td>Rate increases to pay for pipeline</td>
<td>Negative impact</td>
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<tr>
<td>Natural resources and habitats</td>
<td>Negative impact</td>
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<td>Town and regional character</td>
<td>Negative impact</td>
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<td>Safety issues</td>
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<td>Insurance costs</td>
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<td>Property values</td>
<td>Negative impact</td>
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<tr>
<td>Pipeline expansion</td>
<td>Negative impact</td>
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<tr>
<td>Electricity rates</td>
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**Positive impact**

**Potential positive impact**

**Potential negative impact**

**Negative impact**
“In response to significant interest from local distribution companies, electric generators, industrial end users and developers of liquefied natural gas projects in New England and Atlantic Canada, Tennessee is holding an open season to solicit requests for service on new capacity which can be sized from approximately 600,000 Mcf per day (“Mcf/d”) up to 2.2 Bcf per day (“Bcf/d”).

- Kinder Morgan Northeast Expansion Open Season notice

New England would not fully benefit from this project
What Opponents Have Been Doing

PUBLIC OPPOSITION

— Statewide Petition to Ban New Natural Gas Pipelines and Champion Efficiency and Renewable Energy, over 9,100 signatures online and on paper

— Town Resolutions

  15 out of 15 towns & cities that have held votes so far have passed Resolutions to ban new pipelines within town borders, or Resolutions in favor of town rights to maintain local control.

PASSED

• Ashby
• Chesterfield*
• Conway
• Cummington*
• Lenox
• Leverett*
• Northampton*

SLATED FOR VOTE

• Pelham*
• Plainfield
• Sandisfield
• Shelburne
• Warwick
• Wendell
• Windsor
• Worthington

• Ashfield (2-Pipeline & Comm. Rights)
• Becket*
• Dalton

Drafting resolutions or gathering signatures

• Richmond, Deerfield, Dracut, North Adams and more!

• Pepperell is working on writing a joint resolution for multiple towns in the area, including Hollis, NH
Conservation Groups Opposing The Pipeline
What Can We All Do?

• **Send a message tonight to our legislators!** Vote YES on the Non-Binding Resolution to oppose the pipeline.

• This is only the beginning! Keep abreast of activities and information on the town and new web site dedicated to educating the public about the pipeline. [http://grotonsphere.com/pipeline](http://grotonsphere.com/pipeline)

• Speak to your neighbors, friends and get them to speak/write to elected officials...this affects all of us.

• Support the Selectmen on their new “Coalition Committee” which coordinates activities and position statements with neighboring towns. Encourage all town officials and boards to proactively oppose the pipeline.

• Participate/volunteer to help in **Stop the Pipeline Walk Across Massachusetts in Groton on July 23**

• Attend **Stop the Pipeline Rally** at State House on June 30

• Join over 9,000 other MA residents in signing the **Stop the Pipeline petition** to be sent to Governor Patrick.

• Reach out directly to state reps, senators, congressmen, and agencies involved in the decision process

• Stay up to date on the activities/positions of aligned groups, such as NRWA, GCT, GCC, School Committee and others.