

Commonwealth of Massachusetts

Executive Office of Environmental Affairs ■ MEPA Office



Environmental Notification Form

For Office Use Only
 Executive Office of Environmental Affairs
 EOEA No.: 13543
 MEPA Analyst: A. Eglington
 Phone: 617-626-1024

The information requested on this form must be completed to begin MEPA Review in accordance with the provisions of the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: <i>KeySpan Sagamore Line Reinforcement Project</i>		
Street: <i>Service Road (Sandwich, Barnstable); Whites Path, Great Western Road, Highbank Road, Upper County Road Great Western Way, Great Western Road, Depot Street (Yarmouth, Dennis, Harwich); Route 39 (Harwich)</i>		
Municipality: <i>Sandwich, Barnstable, Yarmouth, Dennis, Harwich</i>	Watershed: <i>Cape Cod</i>	
Universal Tranverse Mercator Coordinates: <i>from 4623690 Northing, 375458.84 Easting to 4618685 Northing, 416282.88 Easting</i>	Latitude: <i>from 41°45'19" North to 41°42'53" North</i> Longitude: <i>from 70°29'53" West to 70°0'93" West</i>	
Estimated commencement date: <i>2006</i>	Estimated completion date: <i>2014</i>	
Approximate cost: <i>\$17 - 20 million</i>	Status of project design: <i>25</i> %complete	
Proponent: <i>Colonial Gas Company d/b/a KeySpan Energy Delivery New England ("KeySpan")</i>		
Street: <i>52 Second Avenue</i>		
Municipality: <i>Waltham</i>	State: <i>MA</i>	Zip Code: <i>02451</i>
Name of Contact Person From Whom Copies of this ENF May Be Obtained: <i>Corinne Snowdon</i>		
Firm/Agency: <i>Epsilon Associates, Inc.</i>	Street: <i>3 Clock Tower Place, Suite 250</i>	
Municipality: <i>Maynard</i>	State: <i>MA</i>	Zip Code: <i>01754</i>
Phone: <i>(978) 897-7100</i>	Fax: <i>(978) 897-0099</i>	E-mail: <i>csnowdon@epsilonassociates.com</i>

- Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
 Yes No
- Has this project been filed with MEPA before?
 Yes (EOEA No. _____) No
- Has any project on this site been filed with MEPA before?
 Yes (EOEA No. _____) No
- Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:
 - a Single EIR? (see 301 CMR 11.06(8)) Yes No
 - a Special Review Procedure? (see 301CMR 11.09) Yes No
 - a Waiver of mandatory EIR? (see 301 CMR 11.11) Yes No
 - a Phase I Waiver? (see 301 CMR 11.11) Yes No

Identify any financial assistance or land transfer from an agency of the Commonwealth, including the agency name and the amount of funding or land area (in acres): *n/a*

Are you requesting coordinated review with any other federal, state, regional, or local agency?
 Yes (Specify _____) No

List Local or Federal Permits and Approvals: NPDES General Permit for stormwater during construction activities. Local street opening permits, local orders of conditions (buffer zone and Riverfront Area), Certificate of Appropriateness (South Dennis Historic District Commission); scenic road tree removal, construction permits.

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

- | | | |
|--|---------------------------------------|--|
| <input type="checkbox"/> Land | <input type="checkbox"/> Rare Species | <input type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input type="checkbox"/> Water | <input type="checkbox"/> Wastewater | <input type="checkbox"/> Transportation |
| <input checked="" type="checkbox"/> Energy | <input type="checkbox"/> Air | <input type="checkbox"/> Solid & Hazardous Waste |
| <input type="checkbox"/> ACEC | <input type="checkbox"/> Regulations | <input type="checkbox"/> Historical & Archaeological Resources |

Summary of Project Size & Environmental Impacts	Existing	Change	Total	State Permits & Approvals
LAND				<input checked="" type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input type="checkbox"/> Chapter 91 License <input type="checkbox"/> 401 Water Quality Certification <input checked="" type="checkbox"/> MHD or MDC Access Permit <input type="checkbox"/> Water Management Act Permit <input type="checkbox"/> New Source Approval <input type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit <input checked="" type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify: Siting Board Approval to Construct. DTE Bridge Crossing Approval.</i>
Total site acreage	5.6*			
New acres of land altered		0		
Acres of impervious area	0.9	n/c**	0.9	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		1600 s.f. Riverfront Area		
Acres of new non-water dependent use of tidelands or waterways				
STRUCTURES				
Gross square footage	0			
Number of housing units				
Maximum height (in feet)				
TRANSPORTATION				
Vehicle trips per day				
Parking spaces				
WATER/WASTEWATER				
Gallons/day (GPD) of water use				
GPD water withdrawal				
GPD wastewater generation/ treatment				
Length of water/sewer mains (in miles)				

* Based on 3' trench width for 12" pipe and 4' trench width for 20" pipe, plus allowance for in-trench welds.

** Pavement will be cut and repaired after pipeline installation.

CONSERVATION LAND: Will the project involve the conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97?

Yes (Specify _____) No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

Yes (Specify _____) No

RARE SPECIES: Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities?

Yes (Specify _____) No

HISTORICAL /ARCHAEOLOGICAL RESOURCES: Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

Yes (Specify: South Dennis Local Historic District) No

See also Attachment A.5, listing of all Inventoried Sites within or adjacent to the proposed project

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources?

Yes (Specify _____) No

AREAS OF CRITICAL ENVIRONMENTAL CONCERN: Is the project in or adjacent to an Area of Critical Environmental Concern?

Yes (Specify _____) No

PROJECT DESCRIPTION: The project description should include (a) a description of the project site, (b) a description of both on-site and off-site alternatives and the impacts associated with each alternative, and (c) potential on-site and off-site mitigation measures for each alternative (You may attach one additional page, if necessary.)

KeySpan plans to reinforce its existing natural gas supply system on Cape Cod, between 2006 and 2014, by constructing approximately 6.5 miles of new 12-inch diameter, 200 psig steel distribution pipeline in South Yarmouth, Dennis and Harwich, Massachusetts, and constructing 6.6 miles of new 20-inch diameter, 270 psig distribution pipeline in the towns of Sandwich and Barnstable.

The Project is a long term integrated solution to ensure reliable distribution service to Cape Cod. This pipeline reinforcement is necessary in order to maintain system reliability and to accommodate growth. Growth in gas demand is attributable to factors such as increased gas use by existing customers, population growth, and new construction. The Project will substantially improve overall reliability and deliverability, allowing sufficient working pressures at various points along the 42 mile Sagamore Line.

The Project is comprised of three distinct segments of pipe:

- *The "Middle Segment" is approximately 4.9 miles of 12-inch pipeline, which begins at KeySpan's South Yarmouth LNG Facility located on White's Path, travels down White's Path, Great Western Road, Highbank Road, Upper County Road, Great Western Way, Great Western Road and Depot Street, and ends at the Depot Street / Queen Anne Road intersection in Harwich, Massachusetts.*
- *The "Eastern Segment" is an additional 1.6 miles of 12-inch pipeline located in Route 39 (Orleans – Harwich Road), beginning at Depot Street, crossing Queen Anne Road and Long Pond Road (Rt. 137), and ending at Church Street in East Harwich, Massachusetts.*
- *The "Western Segment" is 6.6 miles of 20-inch pipeline, which begins at the intersection of Route 130 and Service Road in Sandwich, travels down Service Road, and ends just west of the intersection with Route 149 in Barnstable.*

For purposes of review by the Energy Facilities Siting Board (Siting Board), KeySpan has also identified a "Noticed Alternative" for each segment of the distribution system improvements. The Noticed Alternatives will be evaluated in a proceeding before the Siting Board, but for purposes of this ENF, KeySpan intends to construct the Project on the route described above.

The pipelines to be constructed will parallel and tie into, but will not extend, the existing KeySpan system on the Cape. The pipelines are not expected to include service connections to existing or future customers. Rather, by providing additional capacity, they permit KeySpan to supply more gas reliably throughout the system, including to its extremities.

Figure 1 presents a USGS map of the alignment for the Preferred Routes. Figs. 2-1 and 2-2 (Western Segment), 2-3 (Middle Segment) and 2-4 (Eastern Segment) show both the Preferred Route and the Noticed Alternative for each segment.

Alternatives that have also been evaluated by KeySpan include an upgrade to KeySpan's LNG distribution facility in Yarmouth or a new LNG facility, an increase in system compression, and Conservation & Demand Side Management. Through its analysis, KeySpan has determined that the proposed pipeline reinforcement project is the prudent and necessary response to increasing system demand. Moreover, KeySpan has determined that a portion of the Middle Segment, in Yarmouth, must be constructed in time for the 2006/7 heating season. The balance of the Middle Segment, along with the Eastern Segment, will be constructed over several years, starting in 2008. The Western Segment will also be constructed over several years, starting in 2009.

Algonquin Gas Transmission LLC, an interstate natural gas transmission company, will upgrade its "G Lateral," which supplies natural gas to southeastern Massachusetts, and extend it onto the Cape, to the intersection of Route 130 and Service Road in Sandwich, where it will connect to the KeySpan Western Segment.

A comprehensive Stormwater Pollution Prevention Plan and a Spill Prevention Control Plan will govern all construction. All construction will be subject to KeySpan's construction mitigation procedures. The procedures shall include careful prior coordination with local authorities (police, emergency services, roads departments), planning for traffic management including detours if necessary, set-up of erosion and sedimentation control measures, careful stockpiling of excavate, supporting of utilities, inspection and nitrogen testing of welds, repaving, restoration of highway shoulders including restoration of terrain, loaming, seeding, mulching and revegetation, and final cleanup. An individual will be designated to receive, investigate and respond to any complaints while the construction process is under way. Although the entire Cape is a Sole Source Aquifer and water resources must receive the highest protection, construction mitigation will call out special provisions (e.g., with respect to fueling and minor equipment maintenance) in any Zone II areas.

LAND SECTION – all proponents must fill out this section

I. Thresholds / Permits

A. Does the project meet or exceed any review thresholds related to land (see 301 CMR 11.03(1) ...
 ___ Yes ___X___ No; if yes, specify each threshold:

II. Impacts and Permits

A. Describe, in acres, the current and proposed character of the project site, as follows:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Footprint of buildings	_____	_____	_____
Roadways, parking, and other paved areas	<u>0.9</u>	_____	<u>0.9</u>
Other altered areas (describe)**	<u>4.6</u>	_____	<u>4.6</u>
Undeveloped areas	_____	_____	_____

**Unpaved road shoulder