

APPENDIX F

PROPOSED ENHANCEMENTS, NEW ENGLAND & NEW YORK NATURAL GAS SYSTEMS (as of 1-04)

Eastchester Extension	Iroquois Gas Transmission System	36 miles of new pipeline from Iroquois' mainline at Northport, LI into the Bronx; new compressor stations; supply increase of 230 MMcf/d	Early 2004	Approved by FERC, 12-01; under construction
Islander East	Duke Energy / Algonquin Gas Transmission, KeySpan Energy Corp.	Will consist of approximately 50 miles of 24" pipe, extending from Algonquin's facilities in CT, across Long Island Sound, to Wading River, NY	Late 2004	Approved by FERC, 9-02; pending final permits
Millennium Pipeline	Columbia Gas Transmission Corp. (a NiSource company); TransCanada; Westcoast Energy; MCN Energy Group	Proposes to transport up to 700 million cubic feet of gas per day from a new interconnection with TransCanada PipeLines in Lake Erie to a termination point in Mt. Vernon, NY; more than 90 percent of the pipeline's 425-miles overland route uses existing utility corridors, with about 224 miles of the project replacing and upgrading a 50-year old system owned and operated by Columbia Gas Transmission System	2005	Filed with FERC, 1997; FERC completed its formal review, 9-02, by issuing final orders approving the last portion of the project's route and denying request for rehearing of earlier rulings conditionally authorizing construction and operation; pending final permits
Dracut Expansion	El Paso Corp./ Tennessee Gas Pipeline Company	Replace 12 miles of 16" pipe with 24", within existing right-of-way, Dracut to Burlington, MA; increase takeaway capacity by 200 Dth/d	TBD	Approved by FERC, 11-01; awaiting supply and market commitment
Northwinds Pipeline	TransCanada PipeLines, National Fuel Gas Company	The project involves a 215-mile, 30-inch natural gas pipeline that will originate in Kirkwall, Ontario, cross into the U.S. near Buffalo, New York and follow a southerly route to its destination in the	2005-06	Project announced, 9-01.

		Ellisburg-Leidy area in Pennsylvania. Initial capacity of approx. 570 million cubic feet of natural gas per day, expandable to 1 Bcf.		
Northeast ConneXion Project	El Paso Corp./ Tennessee Gas Pipeline	Will expand Tennessee's market area storage capability and pipeline capacity into New York / New Jersey and Pennsylvania. New facilities will add sections of pipeline loop and horsepower to the existing 300 Line to meet contractual commitments and a new line from the existing crossing down the Hudson River with initial capacity of 500,000 Dth/d into NY and NJ. Some service into CT can be provided depending on final scope.	2006	Project announced 5-01. Feasibility studies completed and discussions with permitting agencies positive. FERC Application will be prepared after market commitments obtained.
M&NE Phase IV Expansion	Maritimes & Northeast Pipeline	Involves the construction of four compressor stations in Maine and approx. 31 miles of additional pipeline loop facilities in Maine's Washington County. Will nearly double the M&NE pipeline capacity to transport natural gas for offshore Nova Scotia, from approx. 415,000 Dth/day to 800,000 Dth/day.	2006	Filed with FERC, 2-02

Freedom Trail Expansion Project	El Paso Corp./ Tennessee Gas Pipeline Company	Expand Tennessee's 200 Line through compression and looping to deliver up to 300,000 Dth/d of additional gas supplies from the Gulf, Niagara, and/or storage into New England and New York.	Nov. 2006	Open season announced, 7-03. Non-binding open season completed, 8- 11-03.
Blue Atlantic	El Paso Corp.	Approximately 950 miles of subsea pipeline from offshore Nova Scotia to New York / Jersey; 36" pipe designed to carry up to 1 billion cubic feet per day.	2008	Project announced, 10-01. Currently delayed awaiting further developments of Sable Island gas supply.

**PROPOSED LNG IMPORT TERMINAL PROJECTS,
NEW ENGLAND & EASTERN CANADA (as of 10-03)**

Providence LNG <i>(Providence, RI)</i>	KeySpan Corp. / BG LNG Services	Proposal to upgrade KeySpan's existing LNG storage and receiving terminal in Providence to accept marine LNG deliveries. Connection to Algonquin system. Increased vaporization capacity of 375,000 Dth/d.	Winter 2005	Announced 10-23-03
Weaver's Cove Energy <i>(Fall River, MA)</i>	Poten & Partners	Proposes to construct and operate an LNG import terminal and pipeline to import LNG and deliver from 400 MMcf/d to peak of 800 MMcf/d. One LNG storage tank, 4.4 Bcf equiv. Add 2 pipeline connections to Algonquin system.	Fall 2007	Pre-filing submitted to FERC, 2-14-03
Somerset LNG LLC <i>(Somerset, MA)</i>	Somerset LNG	Proposed to be located on the southern end of the Brayton Point Station site, Somerset, MA		Announced 7-29-03
Fairwinds LNG <i>(Harpwell, ME)</i>	TransCanada / ConocoPhillips	The proposed project will involve replacing and extending the existing wharf and jetty at the former Navy fuel depot site to allow LNG to be unloaded from ships into two specially designed, on-shore tanks. Initial daily throughput is anticipated to be approximately 500 MMcf/ per day.	2009	Announced 9-18-03
Irving Canaport <i>(Saint John, New Brunswick, Canada)</i>	Irving Oil	Proposes to add LNG receiving and regasification capability to the Irving Canaport terminal at Saint John		Project concept announced 9-01

Access Northeast Energy <i>(Point Tupper, Nova Scotia, Canada)</i>	Access Northeast Energy, Inc.	Project would include marine offloading, LNG storage and regasification to deliver gas into the Maritimes & Northeast Pipeline. Sendout from 750 MMcf/d to 1 Bcf/d	Nov. 2007	Announced 8-26-03
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