

## PLANNED ENHANCEMENTS, NORTHEAST NATURAL GAS PIPELINE SYSTEMS *(as of 7-24-15)*

**The Northeast Gas Association (NGA) has prepared this summary based on publicly-available information. NGA will strive to keep the information as updated as possible and notes that this information may change pending project developments. May not include all projects.**



PROJECT	COMPANY	DESCRIPTION	EST. IN-SERVICE	STATUS
<b>Westside Expansion</b>	National Fuel Gas Supply	Adds 175,000 Dth/day of incremental capacity. 23 miles of 24" replacement pipeline and additional horsepower at Mercer (TGP Sta. 219).	Sept. 2015	Filed with FERC, Feb. 2014. Approved by FERC, Mar. 2015. Under construction.
<b>Tuscarora Lateral</b>	National Fuel Gas Supply & Empire Pipeline	Planned capacity of 63,333 Dth/d. 17 miles of pipeline plus storage wells and lines. Market is on-system utilities (NYSEG, RG&E, NFGDC).	Nov. 2015	Jointly filed with FERC, March 2014. Approved by FERC, March 2015. Under construction.
<b>Northern Access 2015</b>	National Fuel Gas Supply	Capacity of 140,000 Dth/day. Capacity lease to TGP from Ellsburry to East Eden. Producing area to Canada.	Nov. 2015	Filed with FERC, March 2014. Approved by FERC, Feb. 2015. Under construction.
<b>Niagara Expansion</b>	Tennessee Gas Pipeline / Kinder Morgan	Proposed capacity of 158,000 dekatherms per day of natural gas. Seneca will serve as the foundation shipper for TGP's Niagara Expansion Project, which is designed to provide transportation from the prolific Marcellus Shale in Pennsylvania to TGP's interconnect with TransCanada Pipeline in Niagara County, N.Y.	Nov. 2015	Filed with FERC, Feb. 2014. Approved by FERC, Feb. 2015. Under construction.
<b>East Side Expansion</b>	Columbia Gas Transmission	The project will involve the installation of 2 natural gas pipelines with approximately 9.5 miles of pipeline in Chester County, PA and 9.5 miles of pipeline in Gloucester County, NJ. Will also include modifications.	Fall 2015	Authorized by FERC, 12-18-14.

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<b>Salem Lateral Project</b>	Algonquin Gas Transmission / Spectra Energy	Algonquin proposes to construct and operate a 1.2-mile-long, 16-inch-diameter lateral pipeline (Salem Lateral Pipeline) to provide 115,000 dekatherms (Dth) per day of firm natural gas transportation service to Footprint Power Salem Harbor Development, LP's (Footprint) redeveloped Salem Harbor Station, a 630-megawatt quick-start combined-cycle, natural gas-fired generation facility, in Salem, MA.	Nov. 2015	Filed with FERC, July 2014. Approved by FERC, May 2015.
<b>Constitution Pipeline</b>	Cabot/Williams	Approx. 124-mile Constitution Pipeline is being designed to extend from Susquehanna County, PA, to the Iroquois Gas Transmission and Tennessee Gas Pipeline systems in Schoharie County, N.Y. Proposed capacity of 650 MMcf/d. Cabot and Southwestern are shippers.	Late 2016	Announced spring 2012. Filed with FERC, 6-13. FERC issued final EIS, 10-14. Authorized by FERC, 12-2-14.
<b>Wright Interconnect Project (WIP)</b>	Iroquois Gas Transmission	WIP will enable delivery of up to 650,000 Dth/d of natural gas from the terminus of the proposed Constitution Pipeline in Schoharie County, NY into both Iroquois and the Tennessee Gas Pipeline under a 15 year capacity lease agreement with Constitution.	2016	Announced 1-13. Filed with FERC, 6-13. FERC issued final EIS, 10-14. Authorized by FERC, 12-2-14.
<b>Northern Access 2016</b>	National Fuel Gas Supply & Empire Pipeline	Capacity of 350,000 Dth/day on Empire, 497,000 on NFGSC. Deliveries to Chippawa, with new interconnect at TGP 200 Line. 100+ miles of 24" pipeline and 2 compressor stations.	Nov. 2016	In FERC pre-filing process, July 2014.
<b>New Market Project</b>	Dominion Pipeline	Planned for customers in upstate NY (National Grid). Will include the addition of 2 new compressor stations along DTI's existing transmission pipeline; and increased compression at an existing station. Capacity of 84 MMcf/d.	Nov. 2016	Filed with FERC, June 2014.
<b>AIM</b>	Algonquin Gas Transmission / Spectra Energy	Providing 342 MMcf/d of additional capacity to move Marcellus production to Algonquin City Gates. Shippers are 6 gas utilities in New England. Approx. 38 miles of new pipeline/lateral in NY, CT, MA as well as new compression facilities.	2 <sup>nd</sup> half 2016	Open season held, fall 2012. Filed with FERC, 2-14. FERC issues draft EIS, 8-14. FERC issues final EIS, 1-15. Approved by FERC, 3-15. Under construction.

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PROJECT	COMPANY	DESCRIPTION	EST. IN-SERVICE	STATUS
<b>Connecticut Expansion</b>	Tennessee Gas Pipeline/Kinder Morgan	Capacity of 72,100 Dth/d. Pipeline looping on TGP 200 and 300 lines. Market is CT natural gas utilities.	Nov. 2016	Open Season held July 2013. Filed with FERC, 7-14.
<b>Garden State Expansion Project</b>	Williams/Transco	The project has been designed to provide up to 180,000 dekatherms per day of natural gas service in two phases to a new delivery point with New Jersey Natural Gas in Burlington County, N.J. The project will include the installation of a new compressor station, meter and regulating station on land located in Burlington County, N.J. It will also require modifications and the addition of compression at an existing compressor station. No expansion of the pipeline is required.	Nov. 2016 (Phase 1) / Aug. 2017 (Phase 2)	Filed with FERC, Feb. 2015.
<b>Valley Lateral Project</b>	Millennium Pipeline	The Valley Lateral Project will connect Millennium's gas mainline to CPV's energy center in Wawayanda, NY, and provide access to natural gas for its new 650 MW combined-cycle electric power generating facility.	Apr. 2017	In FERC pre-filing process, May 2015.
<b>Continent to Coast (C2C) Expansion</b>	PNGTS	C2C will access natural gas supplies from key North American natural gas basins via TransCanada Pipeline. Atlantic Canada markets can then transport on PNGTS to an interconnect with Maritimes and Northeast Pipeline at Westbrook, ME. Shippers interested in moving natural gas further south into New England can transport on PNGTS to interconnects with other NE natural gas pipelines. May raise PNGTS' current capacity of 168,000 Dth/d to approx. 300,000 Dth/d.	Nov. 2017	Open season, April 1 to June 28, 2013. Open season re-convened, Dec. 2013 – Jan. 2014. Relaunch of open season, Jan. – Feb. 2015. In contract negotiations currently. Next project under consideration for Nov. 2018 start.
<b>South-to-North ("SoNo") Project</b>	Iroquois Gas Transmission	Reverse flow on Iroquois offering physical transport to U.S./Canada border. The SoNo project would transport up to 650,000 Dth/day from Iroquois' existing interconnects with Dominion Transmission in Canajoharie, NY and Algonquin Gas Transmission in Brookfield, CT, as well as the proposed Constitution Pipeline in Wright, NY.	Nov. 2017	Open season held, Dec. 2013 – Jan. 2014. Relaunch of open season, Jan. – Feb. 2015.

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<b>PROJECT</b>	<b>COMPANY</b>	<b>DESCRIPTION</b>	<b>EST. IN-SERVICE</b>	<b>STATUS</b>
<b>Atlantic Bridge</b>	Spectra Energy	Incremental expansion on Algonquin and Maritimes & Northeast, to serve New England and Canadian Maritimes. Proposed capacity of 153,000 Dth/d.	2017	Announced, Feb. 2014. Open season held, Feb.- March, 2014. In pre-filing with FERC, Feb. 2015.
<b>New York Bay Expansion</b>	Transco / Williams	The New York Bay Expansion Project would provide National Grid with an additional 115,000 dekatherms of natural gas per day in time for the 2017/2018 winter heating season. The project will include the installation of additional horsepower at three existing Transco compressor facilities, in addition to uprating Transco's existing Lower New York Bay lateral and replacing 0.2 miles of 42-inch pipe in Middlesex County, N.J. The project will also include modifications to existing Transco meter & regulator stations in Middlesex County, N.J., and Richmond County, N.Y.	2017	Filed with FERC, July 2015.
<b>Ramapo Expansion</b>	Millennium Pipeline	Expansion of mainline capacity to Ramapo and other east end delivery points. Confirming shipper interest and design requirements.	2017	Open season held, spring 2015. Anticipates FERC pre-filing later in 2015.
<b>PennEast Project</b>	AGL Resources, NJR Pipeline Company, South Jersey Industries, UGI Energy Services, Spectra Energy and PSE&G Power LLC	100-mile pipeline intended to bring lower cost natural gas produced in the Marcellus Shale region to homes and businesses in Pennsylvania and New Jersey. Designed to provide natural gas service to the equivalent of 4.7 million homes, up to 1 Bcf per day. PennEast is investing nearly \$1 billion to build the pipeline with the costs split among the four entities. Construction of the pipeline could begin in 2017 pending regulatory approvals.	2017/2018	Announced Aug. 2014. Open season held August 2014. In FERC pre-filing process, Oct. 2014.
<b>Northeast Energy Direct (NED) Project</b>	Tennessee Gas Pipeline / Kinder Morgan	This project proposes a "market path" route from Wright, NY to Dracut, MA. Proposes construction of greenfield pipeline, additional meter stations and compressor stations, and modifications to existing facilities in New York, Massachusetts, Connecticut, and New Hampshire. Proposed capacity of 1.3 Bcf/d (30"). Approximately 91% co-located along existing utility corridors / adjacent to TGP mainline for	Nov. 2018	Open season held, Feb.-March, 2014. In FERC pre-filing process as of 9-14. Kinder Morgan has announced that gas utilities in region have committed to project as initial shippers, at level of approx. 550,000 dekatherms per day (Dth/d). In July 2015, Kinder Morgan Board announced support for 1.3 Bcf/d

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<b>Access Northeast</b>		Market Path Component.		capacity design.
	Spectra Energy, Eversource Energy, National Grid	The gas pipeline expansion project will enhance the Algonquin and Maritimes pipeline systems and market area storage assets in New England to deliver up to one billion cubic feet of natural gas per day for electric generation markets. Alliance with Iroquois Gas Transmission announced, 12-14. Can provide as much as 0.9 Bcf/d to power plants.	Nov. 2018	Announced 9-14. Solicitation of interest held, fall 2014. Open season held first half of 2015.