## nationalgrid

December 17, 2014

Ms. Patricia Hoffman Assistant Secretary Office of Electricity Delivery and Energy Reliability Department of Energy 1000 Independence Ave., SW Washington, DC 20585

## Re: National Grid Support of the Plains & Eastern Clean Line

Ms. Hoffman:

I am writing to provide information about National Grid's involvement in the Plains & Eastern Clean Line and how we will bring our substantial experience to bear in the development, construction, operation, maintenance, and financing plans for the project.

National Grid has made available to Clean Line its engineering, procurement, licensing, operations, safety, construction, and project management skills and resources in HVDC transmission as Clean Line pursues the development of its projects, including the Plains & Eastern Project. National Grid makes these resources available to Clean Line on an ongoing basis. In addition to National Grid's two seats on the Clean Line board of directors, National Grid makes its technical experts available to provide input and feedback to Clean Line management.

When providing that guidance, National Grid draws from its extensive experience building, owning, and operating large HVDC electricity transmission networks in the United States, the United Kingdom, and Europe.

- National Grid built, operates, and owns a majority share of the U.S. portion of a 2,000MW HVDC interconnector that operates at 450kV between New England and Canada.
- National Grid owns half of BritNed Link, a 156-mile, bi-pole HVDC electricity interconnector with 1,000 MW of capacity each way that connects the Isle of Grain, UK to Massvlakte, Netherlands.

- Interconnexion France-Angleterre (IFA) is a 2,000MW, 42-mile HVDC interconnector between England and France that includes 27 miles of undersea cable. Commissioned in 1986, IFA is part of a joint agreement between National Grid and France's Transmission Service Operator, RTE. National Grid jointly owns and operates IFA.
- National Grid and Scottish Power Transmission are jointly developing the Western HVDC Link, which is a 250-mile, 600kV, 2,200MW subsea HVDC cable on the western side of the UK that will connect Scotland with England and Wales. The commercial operation date for this project is 2016.
- National Grid is also currently working with the transmission service operators in Belgium and Norway to develop a 450-mile, 1,000-1,500MW HVDC electricity interconnector between those countries and Great Britain, with a projected commercial operation date of 2018 or 2019.

National Grid's regulated subsidiaries deliver electricity to approximately 3.4 million customers in New York, Massachusetts and Rhode Island. Through these subsidiaries, National Grid jointly owns and operates approximately 8,600 miles of high voltage transmission spanning upstate New York, Massachusetts, New Hampshire, Rhode Island and Vermont, operating approximately 105 miles of underground cable and 521 substations. National Grid is also the largest distributor of natural gas in the northeastern United States, serving approximately 3.6 million customers in New England and upstate New York. With this extensive experience owning, operating and maintaining electric and gas facilities in the United States and around the world as part of Clean Line's resources, National Grid is confident the project will be operated in conformance with prudent utility practice.

Relationships with landowners and other stakeholders are critical to the success of linear infrastructure projects like the Plains & Eastern Clean Line. National Grid recognizes that maintaining positive working relationships with landowners is a core value in Clean Line's development philosophy and will be an essential component to the project's success. This philosophy is one of the reasons National Grid has invested in and stands behind Clean Line's projects. Throughout the past few decades, National Grid has employed a similar philosophy of extensive stakeholder engagement that has led to the successful implementation of dozens of electric transmission and other energy infrastructure projects.

National Grid firmly supports Clean Line's financing plan for the project. Large amounts of liquidity exist in the capital markets to invest in the construction and operation of transmission projects like the Plains & Eastern Clean Line.

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As the utility industry seeks to modernize the U.S. transmission grid, the Plains & Eastern Clean is an investment of national importance that will accommodate demand for transmission capacity from regions with strong wind resources in the Oklahoma Panhandle region to markets in the Southeast with a strong demand for low-cost renewable energy. The project will help to ensure the efficient and reliable operation of the transmission grid and will address public policy needs in light of an evolving energy supply mix throughout the country.

We look forward to working with Clean Line to help unlock the vast potential of our domestic wind resources and greatly appreciate your consideration of the Plains and Eastern project under the Section 1222 program.

Sincerely,

Thomas Boking

Thomas B. King Executive Director and President, US