A Generation and Transmission Solution for the Clean Energy RFP
Southern New England states issued a request for **5,067 GWh of Qualified Clean Energy** that meet the following criteria:

- Low cost
- Deliverable
- Experienced developers
- Route control
- Public support
- Economic benefits
Partnership of CMP and Emera Maine

- Shared commitment to making this work for Maine
- A long history of working together
- A 35-year history of shared ownership in MEPCO transmission line from Wiscasset to New Brunswick
- Memorandum of Understanding in 2014 to develop projects together to benefit Maine
- History of experience and success with large projects

A partnership of

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Potential New Wind is Stranded

- Transmission bottlenecks at Orrington and Keene Road
- 345 kV line does not extend all the way to the wind resource
Detailed Analysis to Find the Best Solution

- Looked at combinations in western, eastern and northern Maine
- The northern Maine solution can deliver the greatest amount of clean renewable power with the most cost-effective upgrades
MREI Provides the Best Path for Generally Unconstrained Delivery

- Corridor close to wind resource and southerly to market exists today. MREI uses and expands it to improve delivery with significant system benefits.
Transmission & Generation Combined

OPTIMAL COMBINATION OF CLEAN ENERGY RESOURCES AND TRANSMISSION UPGRADES
Clean Energy Transmission for System Benefits

- Reliability and capacity benefits for the transmission system as a whole and enough NEW, or incremental clean energy to power 250,000 homes
Maine Bulk Transport System

- Leverages prior investment in bulk transport system
- Congestion resolved at key bottlenecks for generally unconstrained delivery and reduction in curtailments
- AC line is scalable and can cost-effectively enable new transmission for additional generation
Value for Maine & New England

- $250 million average annual increase in New England GDP
- Hundreds of millions of dollars in construction-related spending in Maine’s economy
- Significant increase to local tax base in Maine
- Energy security and price stability region-wide

$70 MILLION WHOLESALE ELECTRIC COST SAVINGS

3850 JOBS 2015 - 2020
A Cleaner Environment

- Use of existing corridors minimizes environmental impacts
- Approximately 3% reduction in New England’s annual carbon emissions
- Clean energy replaces retiring fossil plants which is good for air quality
- Best practices avoids sensitive resources
Public Acceptance

Using best practice lessons learned from recent projects, including MPRP and NRI

Local outreach underway from Pittsfield to Chester

Approach to landowners is respectful; look for a mutually agreeable route

Favorable reception from local officials
High Level Milestone Schedule

STAKEHOLDER OUTREACH BEGINS  Dec. 15, 2015
RFP RESPONSE DUE DATE  Jan. 28, 2016
SELECTION OF BIDDERS  Apr. 26 – Jul. 26, 2015
EXECUTE CONTRACTS  June 28 – Sep. 22, 2016
SUBMIT CONTRACTS FOR REGULATORY APPROVAL  Q4, 2016
REGULATORY APPROVAL CT, MA, RI  Q4, 2016
MAINE DEP & MAINE PUC APPROVALS  Q1, 2018
CONSTRUCTION BEGINS  Q2, 2018

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Competing RFPs

- 6 solar submissions
- 5 wind submissions without transmission
- 1 hydro project (MD)
- 1 fuel cell project (CT)
- 6 transmission proposals with associated generation
MREI Value Proposition

- Highly economical and permittable new clean energy resources
- Above-ground AC line is cost-effective and scalable for additional generation
- Significant amount of existing right-of-way minimizes costs and impacts
- Southern New England benefits from prior investment in bulk power system
- Improved reliability and transfer capacity for Maine paid for by southern New England
- Direct benefits and savings for the region; jobs for Maine

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Maine Renewable Energy Interconnect

COST-EFFECTIVE
TIMELY
BUILDABLE