New England Electricity Restructuring Roundtable

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Energy Storage: Real (&Diverse) Projects

12/09/2016 Meeting
Battery Storage Demonstrations - MA

Description

- Lithium-ion battery storage demonstration in Shirley Massachusetts, in conjunction with Company owned large-scale solar facility
- Two flow battery demonstrations (DOE backed) in Shirley Massachusetts integrated with renewables; customer-owned wind and National Grid owned solar

Value

- Demonstrate storage as a renewable integration approach; minimises impact of intermittency on the grid
- Gain familiarity with two different emerging battery storage technologies
- Identify steps to reduce hard and soft integration costs
Worcester, MA
What is Next?

• Potential energy storage installations to support power growth on Nantucket Island

• Energy storage as DR practice at customer facilities

• Build up to 7 MW battery storage alongside solar facilities at targeted locations (pending DPU decision)

• Collaborate with DOER and other State agencies on supporting and advancing the Commonwealth ES policies and goals