

Battery Storage Update

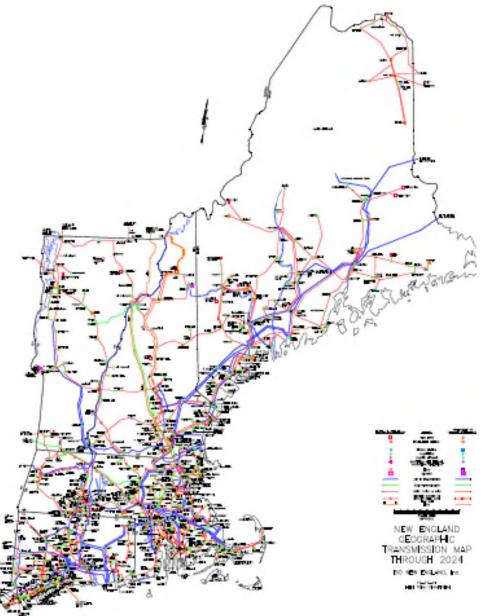
NEPOOL Forum: Integrating Markets and Public Policies

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Synapse NEPOOL Team

Synapse Energy Economics

- Founded in 1996 by CEO Bruce Biewald.
- Leader for public interest and government clients in providing rigorous analysis of the electric power sector.
- Staff of 30 includes experts in energy and environmental economics and environmental compliance.
- Representing NEPOOL stakeholders since 2001.



Storage at substations

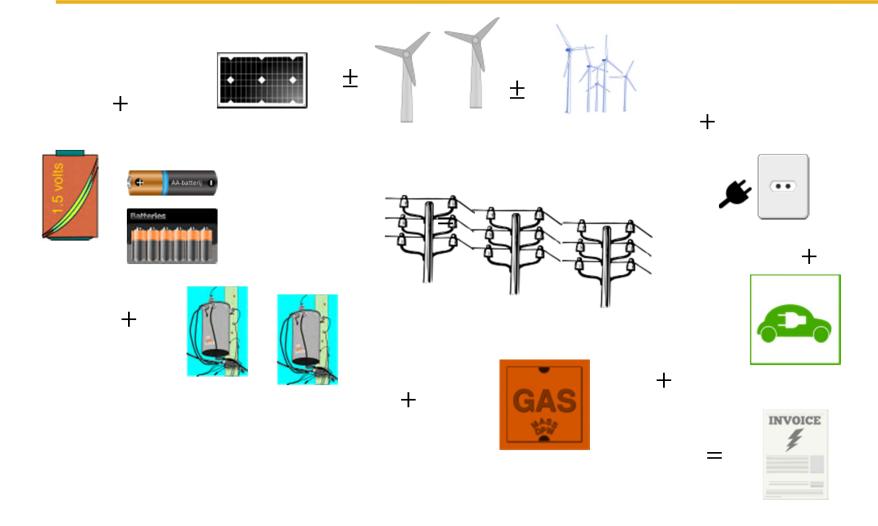
- To enable integration of zero-carbon generation with the existing fleet, install battery storage facilities at substations throughout the grid.
- Storage units would be appropriately sized depending on the size of the substation and upstream and downstream constraints.
- Dispatched to maximize delivery of zero-carbon generation.
- Fund the investments through the RNS rate. ISO can operate these facilities similar to other reliability infrastructure to address sudden changes in supply or demand

Goal

Strategic additions of battery storage at substations could:

- Maintain and improve the balancing of the grid
- Provide better integration of renewable resources with existing system resources
- Provide additional tools for both ISO and distribution system operators
- Ensure that renewable resources' energy is fully utilized
- Provide energy market and ancillary services revenues to defray costs
- To the extent that reliability is improved, some or all of the costs may qualify for RNS or LNS treatment.

Issues to address



Questions?