

Grid Energy Storage A New Initiative

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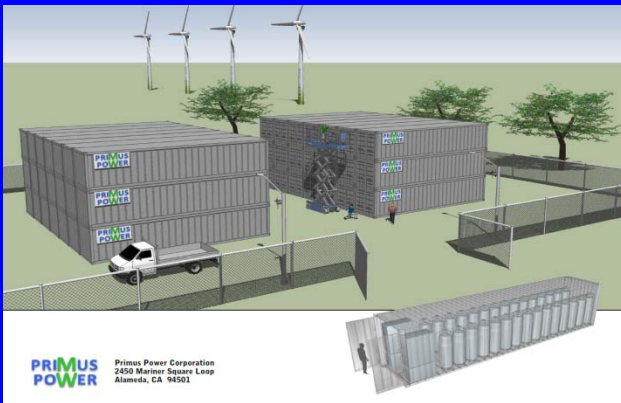
DOE ARRA Projects:



20MW Flywheel Storage for Frequency Regulation - NY



500kW, 2.5MWh PbC for smoothing 500kW PV - Public Service NM



25MW / 3hr flow battery for Wind smoothing / backup - CA



8MW / 4hr Li-Ion Storage for Wind smoothing - SoCal-Edison

DOE: \$185 Cost Share: \$585M

ARRA Projects and New Technologies becoming available, have created considerable interest among utilities, Renewable developers and other potential Users.

This Initiative aims to create Federal-State Partnerships to facilitate medium scale pioneering Field Tests of new Storage Technologies.

These projects are intended to allow potential users to become familiar with new technologies without the risks involved in large scale applications.

Basic Conditions:

- Cost Share: $\geq 50\%$ from states/in-state partners
- Solid new technology – not experimental systems
- Grid connected
- Preference for Renewable Integration
- Good Business Plan
- Careful monitoring and Data Collection
- Data to be made available to the community