

LODI ELECTRIC UTILITY

2014 Adopted Energy Storage Targets & Policies

Lodi Electric Utility (LEU) elected not to adopt specific energy storage targets in 2014.

LEU has since made efforts to evaluate and consider the implementation of energy storage technologies on a project-level basis. This has included:

- Evaluation of a thermal energy storage solution in 2015 as a pilot project for Research, Development and Demonstration purposes. The project was to be a component of a larger public improvement project for the Lodi Public Library and would have augmented the existing air conditioning system by storing energy in the form of ice during off-peak hours and subsequently releasing the stored energy to cool the building, thereby reducing typical peak cooling loads. Unfortunately, implementation of the evaluated Ice Bear energy storage system was determined to be a financially infeasible solution for the project after the Library's mechanical engineers completed their evaluation of the existing air conditioning systems and compared the costs of traditional improvement measures with the estimated the costs of implementing the ice bear energy storage system.*
- Collaboration with the Lodi Unified School District in its efforts to reduce peak energy demands. LEU is working alongside the School District to determine the feasibility of sharing in the cost of a battery storage solution, in tandem with the potential installation of a solar photo voltaic array at a Lodi high school. LEU views this as another potential pilot storage project that we can evaluate and learn from as a Research, Development and Demonstration project. The School District continues to evaluate several possible sites, some of which are outside of LEU service territory and is expected to make its selection in early 2017.*
- LEU is currently reviewing plans for Lodi's first residential solar photo voltaic system that will be paired with a consumer grade battery storage solution. We expect to see more of these technologies installed in conjunction with solar as costs continue to decrease and more products come on the market. LEU is interested to see how these products impacts the local electrical grid, as well as their influence on customer behavior.*

Pursuant to Section 2836(b) of the Public Utilities Code, and as a member utility of the Northern California Power Agency (NCPA), Lodi Electric Utility is currently participating in a joint contract with NCPA and Southern California Public Power Authority (SCPPA) members on preparation of an updated evaluation of energy storage technologies. Lodi Electric Utility will consider the results of this analysis and reevaluate adoption of energy storage procurement targets, if any, to be achieved by December 31, 2020.