

RESILIENTPOWER

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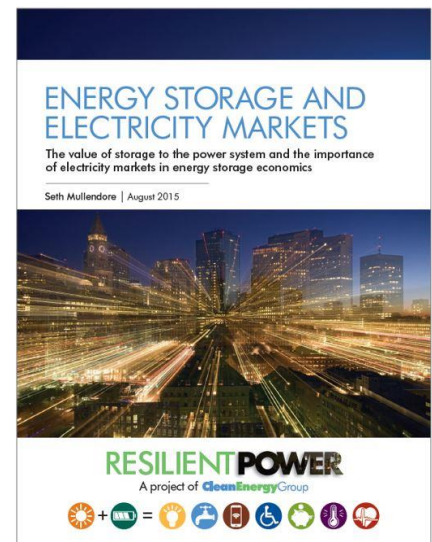
New Report Highlights Challenges and Opportunities for U.S. Energy Storage Markets

Clean Energy Group report provides analysis of how energy storage is valued in U.S. electricity markets.

Montpelier, VT — Key issues surrounding the deployment of energy storage and its participation in U.S. electricity markets are examined in a new report by Clean Energy Group, [*Energy Storage and Electricity Markets: The value of storage to the power system and the importance of electricity markets in energy storage economics*](#). The report analyzes electricity markets where structures have been implemented to compensate energy storage services adequately enough to encourage increased deployment. The report also details energy storage opportunities for cost savings in regions with high utility demand charges or that employ time-of-use rates, which encourage less consumption during peak periods. These and other potential value streams are discussed along with successes and limitations in existing markets.

From renewable generation smoothing to demand charge reduction, energy storage technologies have the capacity to benefit each segment of the power system. Energy storage, primarily in the form of batteries, can deliver value not just to utilities and grid operators but to commercial and residential consumers alike. Unfortunately, the full value of energy storage cannot be realized under current market conditions, which can make it a challenge to find financing for these systems. However, markets are beginning to emerge that provide viable revenue streams for battery storage and its unique attributes and benefits to the grid and to electricity customers.

“Not only can battery storage improve resiliency as a source of critical backup power, it can boost the economic resiliency of communities by reducing consumer utility bills and generating



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revenue by providing grid services,” said report author Seth Mullendore. “Though energy storage technologies are advancing at a rapid pace, the market mechanisms supporting them are still in their infancy. Until markets have been developed and properly structured to value energy storage services, the full beneficial impact of energy storage on the power system will remain unrealized.”

The full report is available on Clean Energy Group’s website at <http://bit.ly/Energy-Storage-And-Electricity-Markets>.

A free webinar focused on this report will be hosted by Clean Energy Group and the Clean Energy States Alliance on Thursday, August 27 from 1-2:30 pm ET to provide more detail on the report’s key findings. For more information and to register, please visit <http://www.cesa.org/webinars/webinar-electricity-markets-and-the-economics-of-energy-storage/view/2015-08-27>.

To continue the discussion of energy storage markets and economics, Clean Energy Group and the Clean Energy States Alliance—through its Energy Storage Technology Advancement Partnership (ESTAP) project with the U.S. Department of Energy Office of Electricity—will host quarterly update webinars featuring market experts from Customized Energy Solutions. The first of these webinars is scheduled for Wednesday, September 30th at 1 pm ET. Information about this and other Clean Energy Group webinars can be found at www.resilient-power.org or at www.cleanenergygroup.org/webinars.

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About Clean Energy Group

Clean Energy Group is a leading national, nonprofit advocacy organization working on innovative technology, finance, and policy programs in the areas of clean energy and climate change. Clean Energy Group also manages the Clean Energy States Alliance, a coalition of state and municipal clean energy funds. Clean Energy Group’s Resilient Power Project is designed to help states and municipalities with program and policy information, analysis, financial tools, technical assistance, and best practices to speed the deployment of clean, resilient power systems in their communities. For more information, visit www.cleanenergygroup.org and www.resilient-power.org.

