

## **How Solar + Energy Storage Builds Resilience**

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Islandable solar+storage technologies can keep critical facilities and systems operating when the larger grid goes down. But since this “resiliency” benefit is difficult to value and rarely monetizable, how can these systems pay for themselves? This presentation will explore early work on the economics of solar+storage systems, showing how these systems can achieve a payback by reducing energy costs and generating revenues while the grid is up... while still providing backup power when the grid goes down. The presentation will include economic and modeling results from the National Renewable Energy Laboratory (NREL) and Sandia National Laboratories as well as US DOE Office of Electricity in collaboration with Clean Energy Group and Clean Energy States Alliance. Both utility and customer–sited systems will be addressed along with information on energy services markets and opportunities for cost savings using electrical energy storage.