

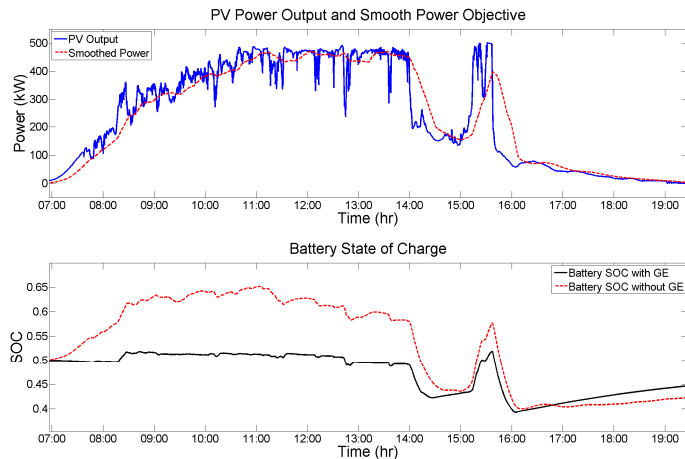
Experimental Demonstration of Sandia PV Smoothing Algorithm using Coordinated Battery and Traditional Generation System

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Jay Johnson and Abraham Ellis - Sandia National Laboratories

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- **Objective:** Reduce the cost of battery-based PV-smoothing systems by novel control schemes which allow a battery size reduction.
- **Hypothesis:** Smoothing PV power with a coordinated battery and inexpensive gas genset reduces the required battery capacity and associated costs.



Simulations show a reduction in the state of charge (SOC) range when the battery is paired with a gas genset.



Distributed control demonstration underway in Albuquerque with 500 kW PNM utility-scale PV plant and 240 kW natural gas genset attached to building-scale microgrid.



Partners:



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