

Exceptional service in the national interest



Performance and Reliability Analysis of Energy Storage Devices

Summer Ferreira, Wes Baca, Tieshia Francis

SNL Energy Storage System Analysis Laboratory

- Problem:**
- Life of storage technologies uncertain yet critical to validating economics
 - Potential storage customers, i.e. utilities, without experience in storage, are reluctant consumers.
- Approach:**
- Make advances through test protocol, using direct research, standards activities and analysis projects with commercial manufacturers
 - High precision testing spun off as an ARPA-E grant recipient in 2013
- Consulting available as well as:
- OE supported testing
 - CRADA opportunities
 - WFO arrangements



72 V 1000 A Bitrode (2 Channels)

Combining experimental development and use of protocols in the lab, and a long history of collaborative research into commercial technologies we deepen understanding of laboratory results and their correlation to field performance to inform community, and standards development.

Energy Storage Systems Analysis Lab Integrated Analysis

