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09-IEP-1G

DATE April 02 2009

RECD. April 02 2009



*Pacific Gas and
Electric Company™*

Utility-Scale Energy Storage

- Energy storage technologies have the potential to increase the reliability and dispatchability of California's energy supply.
- Modern grid will need storage to integrate intermittent renewables, provide ancillary services, manage peak demand, and relieve transmission and distribution congestion.
- There is no technology that is superior in all functional categories. A portfolio of storage options will be necessary to address grid challenges.
- Storage solutions that provide multiple benefits will be more cost-effective.
- Successful deployment of energy storage will depend on:
 - Technology readiness
 - Improved cost economics and understanding of benefits
 - Funding for demonstration of emerging technologies
 - Funding for established, long lead time technologies
 - Market rules and policy recognition of storage