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POU Energy Storage Update

IEPR Joint Agency Workshop on
Application of Distributed Energy Resources
on the California Grid

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Key Policy Drivers

- **AB 2514 (Skinner, 2009):** Adopt procurement targets, if appropriate:
 - To be achieved by December 31, 2016 & December, 31, 2021
 - Reevaluate not less than once every three years:
 - October 1, 2014 – initial adoption
 - October 1, 2017 – reevaluation
 - October 1, 2020 – reevaluation
- **SB 350 (De León, 2015):** Integrated Resource Plans
 - POUs >700 GWh of annual demand
 - TBD GHG Reduction Targets from CARB
 - References AB 2514 requirements

2017 Reevaluation of Energy Storage Technologies

- **Joint NCPA / SCPPA Report (DNV GL)**
 - Cost-effectiveness methodologies for evaluating ES technologies
 - Technical parameters, component costs, cost trends, and applications of technologies
 - Review of CPUC Rulemaking Process & IOU Targets
 - Storage Use Case Studies
- **SCPPA (Navigant)**
 - Cost-effectiveness modeling of ES for specific members
- **Lazard**
 - *Levelized Cost of Storage Analysis 2.0*
 - <https://www.lazard.com/media/438042/lazard-levelized-cost-of-storage-v20.pdf>

Interest Areas

- **RD&D and Pilot Programs**
 - LADWP and SMUD programs
 - APPA DEED program, SEPA membership, EPRI, E-Source
- **Renewable + Storage procurement (IRP Process)**
 - NCPA-SCPPA joint RPS-eligible project w/storage option
 - Future community solar projects
- **Infrastructure Replacement / Modernization**
 - SONGS, Aliso Canyon, Once-Through Cooling
- **Market Conditions**
 - Regionalization uncertainty, stranded assets