<table>
<thead>
<tr>
<th><strong>DOCKETED</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Docket Number:</strong></td>
</tr>
<tr>
<td><strong>Project Title:</strong></td>
</tr>
<tr>
<td><strong>TN #:</strong></td>
</tr>
<tr>
<td><strong>Document Title:</strong></td>
</tr>
<tr>
<td><strong>Description:</strong></td>
</tr>
<tr>
<td><strong>Filer:</strong></td>
</tr>
<tr>
<td><strong>Organization:</strong></td>
</tr>
<tr>
<td><strong>Submitter Role:</strong></td>
</tr>
<tr>
<td><strong>Submission Date:</strong></td>
</tr>
<tr>
<td><strong>Docketed Date:</strong></td>
</tr>
</tbody>
</table>
POU Energy Storage Update

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

June 29, 2017

Jonathan Changus
Member Services Manager & Regulatory Affairs
jonathan.changus@ncpa.com
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*
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