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SACCWIS Meeting
April 8, 2011
Local Capacity Technical Analysis Study Scope, Methodology and Input Assumptions

• The scope of the LCR studies is to reflect the minimum resource capacity needed in transmission constrained areas in order to meet the established criteria.

• Used for one year out RA compliance, as well as long-term look in order to guide LSE procurement.

• For latest study assumptions, methodology and criteria see the November 10, 2010 stakeholder meeting. This information along with the 2012 LCR Manual can be found at: http://www.caiso.com/18a3/18a3d40d1d990.html.
Transparency Efforts of the LCTA Study

- **Base Case Disclosure**
  - ISO has published the 2012 LCR base cases and will publish the 2014-16 LCR base cases on the ISO protected web site (https://portal.caiso.com/tp/Pages/default.aspx)
  - Remember to execute WECC/ISO non-disclosure agreements (http://www.caiso.com/1f42/1f42d6e628ce0.html)

- **Publication of Study Manual (Plan)**
  - Provides clarity and allows for study verification (http://www.caiso.com/2867/286794795d0b0.pdf)

- **ISO to respond in writing to questions raised (also in writing) during stakeholder process** (http://www.caiso.com/1c44/1c44b8e0380a0.html)
Local Capacity Requirements Criteria

• The LCR study is a planning function that currently forecasts local operational needs (i.e., minimum generation capacity requirements) one year in advance.

• The LCR study relies on both:
  – ISO/NERC/WECC Planning Standards
  – WECC Minimum Operating Reliability Criteria (MORC)

• Applicable Ratings Incorporate:
  – WECC MORC – Path Rating
Local Capacity Requirement (LCR) Areas Having OTC Plants within ISO

- **Total 10 LCR Areas**
- **5 LCR Areas have OTC plants**
- **1 LCR Area with OTC plant has re-powering project (Humboldt) that satisfies OTC Policy requirement**
- **Local Capacity Requirement = Minimum capacity requirement to maintain national and regional reliability criteria**

Legend: 2011 LCR for specific area (Category B/C Requirements)

- **Humboldt Bay** 147/205 MW
- **Greater Bay Area** 4036/4878 MW
- **Big Creek/Ventura** 2786 MW
- **L.A. Basin** 10,589 MW
- **San Diego** 3146/3207 MW

Legend:
- Coastal Power Plants
- Local Reliability Areas (generalized)
- Local Capacity Requirement Area (generalized)

Drawing Courtesy Jones & Stokes
## Total 2011 Local Capacity Requirement Needs

<table>
<thead>
<tr>
<th>Local Area Name</th>
<th>Qualifying Capacity</th>
<th>2011 LCR Need Based on Category B</th>
<th>2011 LCR Need Based on Category C with operating procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total (MW)</td>
<td>Existing Capacity Needed</td>
<td>Deficiency</td>
</tr>
<tr>
<td>Humboldt</td>
<td>223</td>
<td>147</td>
<td>0</td>
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<tr>
<td>North Coast/North Bay</td>
<td>861</td>
<td>734</td>
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<tr>
<td>Sierra</td>
<td>1816</td>
<td>1330</td>
<td>313</td>
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<tr>
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<td>10589</td>
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<tr>
<td>Big Creek/Ventura</td>
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<tr>
<td>San Diego</td>
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<td>3146</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>34595</strong></td>
<td><strong>25585</strong></td>
<td><strong>313</strong></td>
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