

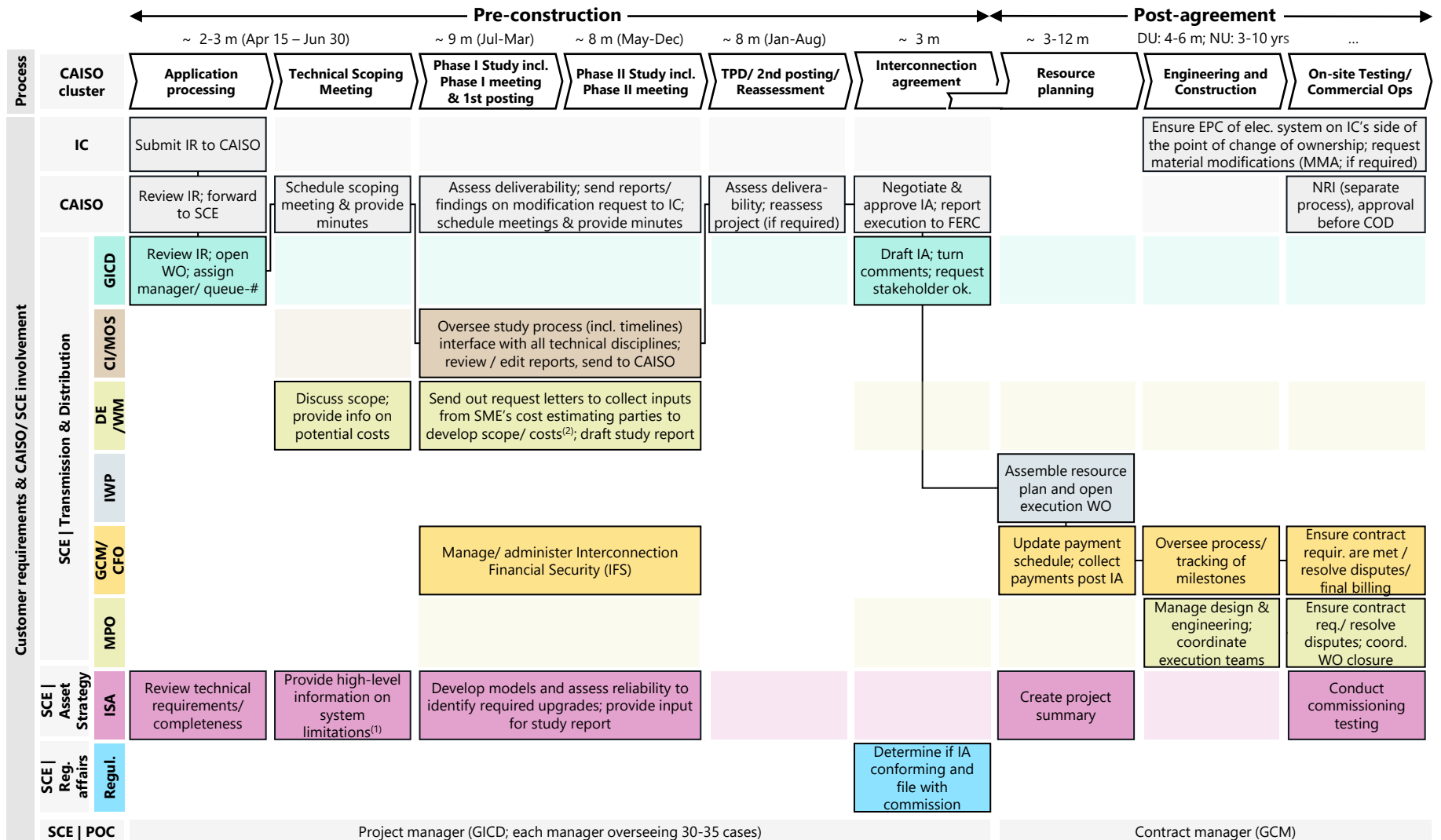
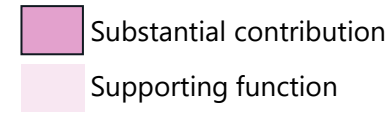
**DOCKETED**

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# SCE Interconnection Process and Response to March 11, 2022 letter from CPUC President Reynolds

CEC Reliability Workshop  
May 20, 2022

# CAISO (cluster) interconnection process



(1) AF/IF and Telecom to provide high-level info as well; (2) Cost estimating parties for Phase I/II studies not included on chart: Telecom, Real Property, Substation engineering, Metering, AF/IF, Protection etc.  
 Note: IC = Interconnection customer; TPD = Transmission Plan Deliverability; IWP = Integrated Work Planning; IR = Interconnection Request; GICD = Grid Interconnection & Contract; CI/ MOS = Customer Interconnection & Method of Service; DE/WM = Design engineering & Work Management; GCM = Grid Contract Management; CFO = Contract Financial Operations; MPO = Major Projects Organization; ISA = Integrated System Analysis; POC = First point of contact; NU = Network upgrades; DU = Distribution upgrades; SCD = Short-circuit duty; WO = Work orders

CPUC requested project status

# SCE: Highlights from the Reynolds letter response

1. History of successful interconnection of generation resources.
2. Culture of continuous improvement, because today's processes, tools, and resource needs may not suffice for expected increased demand for interconnection services in coming years.
3. SCE has sufficient resources in place to achieve successful interconnection of projects in 2022 and 2023 and has launched a series of initiatives to improve likelihood of success:
  - Improving project kickoff time after execution of interconnection agreement
  - Improving material supplier relationships to reduce equipment lead time
  - Improving customer communication and transparency regarding status
4. SCE identified several longer-term initiatives to improve efficiency, throughput, and interconnection customer experience, including:
  - Advanced resource planning, including forecasting demand for interconnection services based on several scenarios
  - Identifying key skillsets that may be in short supply, hiring and training, building bench strength
  - Developing single source for interconnection status and enhance visibility for both internal and external audiences
  - Clarifying roles/responsibilities and utilize service level agreements for internal handoffs
  - Incorporating forecasts for emergent project work into long-term work planning processes
  - Continuing to support tariff/rule reforms at CAISO, WDAT and CPUC/Rule 21

# Backup

# Recommendations for CPUC/FERC Action (item 4 in letter)

Topic	Description	FERC Action	CPUC/State Action
<b>Generator Interconnection</b>			
<b>Near-term improvements to the CAISO's generator interconnection process through Phase 1 of the Interconnection Process Enhancements (IPE)</b>	<ul style="list-style-type: none"> <li>Emergency generation interconnection studies</li> <li>Removing downsizing window and simplifying downsizing request requirements</li> </ul>	<ul style="list-style-type: none"> <li>Approve CAISO's proposed revisions found to be just and reasonable</li> </ul>	<ul style="list-style-type: none"> <li>Support and actively participate in CAISO and FERC efforts</li> </ul>
<b>Longer-term improvements to the CAISO's generator interconnection process through Phase 2 of IPE</b>	<ul style="list-style-type: none"> <li>Consider higher fees, deposits, site exclusivity as part of submitting an interconnection request</li> <li>Streamline interconnection studies</li> <li>Better align interconnection schedule with resource procurement</li> </ul>	<ul style="list-style-type: none"> <li>Approve CAISO's proposed revisions found to be just and reasonable</li> </ul>	<ul style="list-style-type: none"> <li>Coordinate with CAISO/stakeholders on alignment of resource procurement and interconnection</li> </ul>
<b>Transmission Additions to Accommodate New Generation Capacity</b>			
<b>Increase CAISO's "actionable" transmission planning horizon from 10 years to 20 years</b>	<ul style="list-style-type: none"> <li>Align transmission investment with longer-term energy clean energy goals</li> </ul>	<ul style="list-style-type: none"> <li>None required (allowed under CAISO Tariff)</li> </ul>	<ul style="list-style-type: none"> <li>Send letter to CAISO supporting 20-year "actionable" transmission planning horizon</li> </ul>
<b>Improve licensing, siting, permitting process for new transmission infrastructure</b>	<ul style="list-style-type: none"> <li>Increase 50 kV threshold for licensing new electric transmission lines within California</li> <li>Streamline review and approval of utility infrastructure upgrades</li> <li>Defer to CAISO for transmission need determination</li> </ul>	<ul style="list-style-type: none"> <li>FERC designation of national transmission corridors</li> </ul>	<ul style="list-style-type: none"> <li>Revise 50 kV threshold for licensing</li> <li>Reduce timelines for completing review/approval of applications (CPCN, PTC)</li> </ul>