CAISO Stocktake for Subgroup C:

Behind the Meter Participation:

DER Policy Development:

The ISO **ESDER** (Energy Storage and Distributed Energy Resources) Stakeholder Initiative is the primary policy development mechanism to advance the opportunities for DER (including EV) for participating in the ISO Markets. Stakeholder initiatives typically take 1-2 years of policy development followed by system implementation. Initiatives are open to all stakeholders and the ISO encourages participation and comments as the policy is developed.

Link to ISO ESDER Site:

http://www.caiso.com/StakeholderProcesses/Energy-storage-and-distributed-energy-resources

The ESDER initiatives focus largely on modifications to the ISO Demand Response and Non Generator Resource (NGR) participation.

ESDER Phase 3 (Fall 2020 implementation) will have an enhancement to measure EV performance separately from traditional facility loads such as HVAC and lighting which should better capture the response of EV's to their traditional baseline energy consumption.

ISO Participation Models:

PDR and RDRR Load Curtailment participation: Today, EVs can participate in the ISO Proxy Demand Resource (PDR) and Reliability Demand Response Resource (RDRR) load curtailment products for energy, spin and non-spin products at a facility/utility line of service aggregation level on a non 24x7 basis.

More information is located here: http://www.caiso.com/participate/Pages/Load/Default.aspx

Distributed Energy Resource Provider (DERP) framework and Interconnection: The ISO Distributed Energy Resource Provider framework allows for the aggregation of BTM devices meeting ISO participation requirements (Size, Communication/Visibility, Performance, and Measurement). The DERP framework allows for the provision of all ISO wholesale market products, including regulation under the NGR model. However, given the complexities of T/D dispatch coordination, costs, and interconnection of resource aggregations that export beyond the meter, these types of resources are not participating in the ISO markets today. Information located here:
http://www.caiso.com/participate/Pages/DistributedEnergyResourceProvider/Default.aspx