

**WORKSHOP NOTICE WITH AGENDA, WebEx & CONFERENCE CALL
INFORMATION**

**Public Workshop Notice: Joint CPUC and CAISO Workshop
in accordance with Track 2 of Proceeding - R.15-03-011**

Date and Time:	California Public Utilities Commission
May 2: 1PM – 4:30PM	505 Van Ness Avenue. CPUC Auditorium
May 3: 10 AM -5PM	San Francisco

Remote Access to the workshop

Joint CPUC - CAISO Energy Storage Workshop - Day 1

Monday, May 2, 2016
1:00 pm | Pacific Daylight Time (San Francisco, GMT-07:00)

[Join WebEx meeting](#)

Meeting number: 746 128 673
Meeting password: !Energy1

[Join by phone](#)

Call-in: 866-830-4003
Participant passcode: 9869619

Joint CPUC - CAISO Energy Storage Workshop - Day 2

Tuesday, May 3, 2016
10:00 am | Pacific Daylight Time (San Francisco, GMT-7:00)

[Join WebEx meeting](#)

Meeting number: 744 756 996
Meeting password: !Energy1

[Join by phone](#)

Call-in: 866-830-4003
Participant passcode: 9869619

May 2- “Station Power” Workshop Agenda

Objective of the workshop is to:

1. Develop common understanding of what station power is, and how it has been resolved for conventional generating resources
2. Understand how energy storage is different from conventional resources and identify the new energy uses it involves that need to be categorized as either station power (retail) or wholesale
3. Describe the specific energy uses of storage facilities and hear alternative views on whether to classify them as components of station power
4. Identify measurement issues associated with the components of station power

<p>Welcome and safety protocol - Energy Division</p> <ol style="list-style-type: none"> 1. Update on Storage OIR (R.15-03-011) 2. Update on Energy Storage and Distributed Energy Resources (ESDER) Initiative 	1:00- 1:30PM
<p>1) Station Power – Presentations</p> <p>Speakers: CAISO, SCE - Develop common understanding of what station power is, and how it has been resolved for conventional generating resources</p> <ol style="list-style-type: none"> a) Background b) Current Protocols and tariffs c) Current Energy Storage Agreements 	1:30- 2:15PM
<p>Break</p>	2:15- 2:30 PM
<p>2) Panel Discussion</p> <p>Speakers –SCE, LS Power, Amber kinetics, Imergy, Powertree Moderator – CAISO/ ED</p> <ol style="list-style-type: none"> 1. How is energy storage different from conventional resources? 2. Identify the new energy uses it involves that need to be categorized as either station power (retail) or wholesale 3. What principles should be in place to categorize station power versus wholesale consumption for resale? 4. Identify measurement issues associated with the components of station power 5. Do these rules differ between IFOM and BTM? 	2:30- 4:15 PM
<p>Wrap up</p>	4:15-4:30 PM

May 3– “Multiple-use application use case” Workshop Agenda

1. Identify and define multiple-use applications (MUA), services and associated “use cases” that can be implemented in the near future
2. Identify relevant regulatory and market barriers and rules, and their limitations and possible modifications that would enable a distributed energy storage system to deliver and be compensated for multiple services
3. For issues out of scope of this Rulemaking or current CAISO initiatives, the workshop will document these issues for consideration and possible future resolution in the appropriate CPUC proceeding and CAISO initiative.

<p>Welcome and safety protocol - Energy Division</p> <ol style="list-style-type: none"> 1. Update on Storage OIR (R.15-03-011) 2. Update on Energy Storage and Distributed Energy Resources (ESDER) Initiative 	<p>10:00- 10:30 AM</p>
<p>Services and multiple-use application use cases –</p> <ol style="list-style-type: none"> 1. Identify services and multiple-application uses cases 2. Objective in identifying these use cases and what do we wish to accomplish? 	<p>10:30-11:00 AM</p>
<p>Industry and IOU presentation on existing and new storage projects –</p> <p>Presenters: PG&E, SDG&E, SCE, DOD- LA Air Base, Stem, AMS, SolarCity, Powertree and (AES – tentative).</p> <p>The purpose of this segment of the workshop is to understand actual storage projects being developed, the multiple uses they will provide, and the challenges or issues they face. Presenters should address the following where relevant:</p> <ol style="list-style-type: none"> 1. Describe your project’s use case in detail and indicate which of the 5 use cases in the issue paper it fits into. 2. What wholesale, distribution and retail customer services can your project provide now and in the next 2-3 years? 3. Identify regulatory and market barriers and rules, their limitations and possible modifications that would enable your use case to deliver and be compensated for multiple services. 4. Are there concerns of overlap/double compensation providing wholesale, distribution, and retail services? What issues must be addressed? Which of these services are already compensated? Does each service provide incremental value, or is the same service being sold twice with no added benefit? 5. What interconnection concerns must be addressed? 	<p>11:00 AM – 3:00 PM</p> <p>(1hr Lunch will be scheduled at Noon or at 12:30 PM)</p>

6. What metering concerns must be addressed? What real-time telemetry and visibility needs must be addressed?	
7. What dispatch priority concerns must be addressed? How should conflicting real-time needs be managed?	
8. For each regulatory and/or market barrier and/or issue what is the logical CPUC or CAISO regulatory proceeding to address and resolve the issue?	
BREAK	3:00- 3:15 PM
For issues out of scope of this Rulemaking or current CAISO initiatives, the workshop will document these issues for consideration and possible future resolution in the appropriate CPUC proceeding and CAISO initiative.	3:15 – 4:30 PM
Wrap up	4:30 – 4:45PM

Other Information:

For procedural details relating to the proceeding (R.15-03-011), commenting and the record development process, and the role of this workshop within the proceeding, please refer to the “RULING OF ASSIGNED COMMISSIONER AND ADMINISTRATIVE LAW JUDGE” issued on April 22, 2016. The memo can be found at this link:

http://delaps1.cpuc.ca.gov/CPUCProceedingLookup/f?p=401:56:808321787689::NO:RP,57,RIR:P5_PROC EEDING_SELECT:R1503011

To follow the CAISO’s ESDER initiative please visit –

http://www.caiso.com/informed/Pages/StakeholderProcesses/EnergyStorage_DistributedEnergyResourcesPhase2.aspx

The contact person regarding this workshop is Manisha Lakhanpal of the CPUC (ml2@cpuc.ca.gov or at 415-703-5905) and Tom Flynn of the CAISO (tflynn@caiso.com or at 916-608-5725).