



Metering Rules Enhancements

Revised Draft Final Proposal

Stakeholder web conference
November 10, 2016
1:00 – 3:00 (Pacific Time)

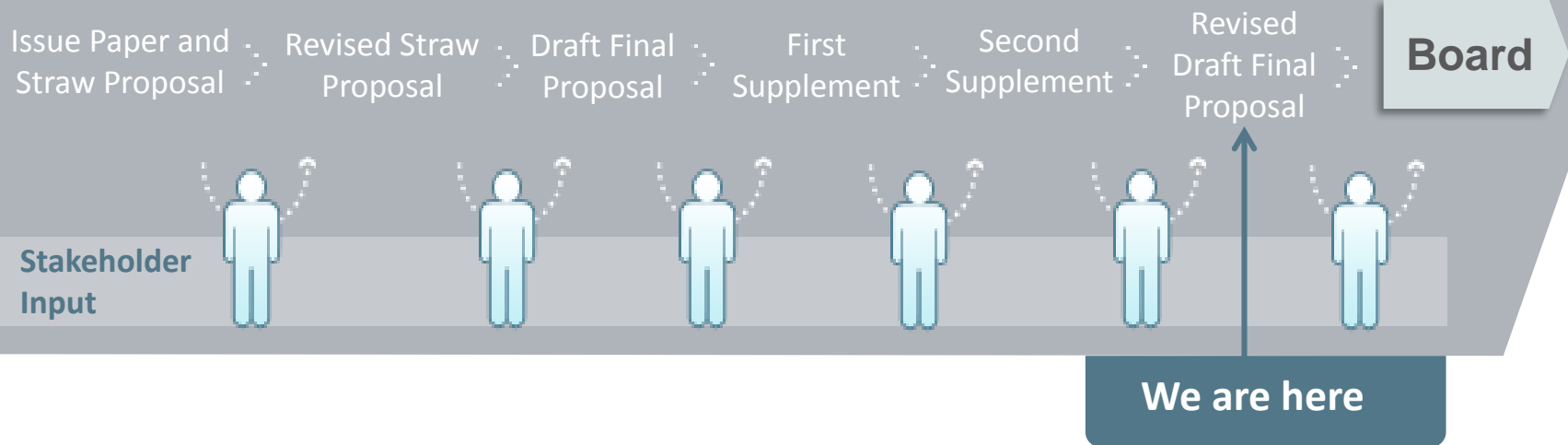


Agenda

Time	Agenda Item	Speaker
1:00-1:10	Introduction, stakeholder process	Tom Cuccia
1:10-2:50	Revised Draft Final Proposal	Tom Flynn
2:50-3:00	Next Steps	Tom Cuccia

ISO Stakeholder Initiative Process

POLICY DEVELOPMENT



Stakeholder process schedule

Step	Date	Event
Issue Paper and Straw Proposal	February 23	Post issue paper and straw proposal
	March 3	Stakeholder web conference
	March 17	Stakeholder comments due
Revised Straw Proposal	April 19	Post revised straw proposal
	April 26	Stakeholder web conference
	May 10	Stakeholder comments due
Draft Final Proposal & First Supplement	June 7 & June 16	Post draft final proposal
	June 14	Stakeholder web conference
	June 28	Stakeholder comments due
Draft Final Proposal Second Supplement	September 1	Post second supplement
	September 12	Stakeholder web conference
	September 19	Stakeholder comments due
Revised Draft Final Proposal	November 1	Post revised draft final proposal
	November 10	Stakeholder web conference
	November 17	Stakeholder comments due
Board Approval	December 14-15	Board of Governors meeting

Proposal summary

Main elements of MRE proposal

- Provides additional metering flexibility to market participants and reduce costs to participate in CAISO markets.
- Provides expanded SCME optionality to certain market resources that otherwise must be ISOME today.
- These new types of SCMEs are in addition to the entities that may be SCMEs today.
- Existing metered entities (regardless of type) will have option to retain current metering requirements and maintain their status quo.

Expanded SCME optionality will enable additional market participants to forego certain costs associated with ISOME status

- Use of a CAISO approved meter
- Meter reprogramming to meet ISOME standards
- Meter inspection by CAISO Authorized Inspector
- Telecommunication costs

MRE proposal provides benefits to many market resources

- Future resources that develop in the existing CAISO balancing authority area (BAA)
- Existing resources in other BAAs that integrate into the CAISO BAA
- Energy Imbalance Market (EIM) participating generators

Highlights of changes from the June 7 draft final proposal

- Provides additional clarification on which market resource types are affected by the MRE proposal and which are not.
- Modifies the meter data interval requirements for new generators not associated with ancillary services opting to be SCME.
- Refines and clarifies how the CAISO will revise its tariff to reflect two class exemptions issued in 2014.
- Refines how proposal addresses possibility of discrepancies or disputes related to Settlement Quality Meter Data (SQMD) submission at intraday points.

Proposal details

SCME optionality is extended to certain market resource types

- Generators providing ancillary services
- CAISO BAA generators providing energy only (i.e., not associated with ancillary services)
- Intraties (only in instances where adjacent UDCs can comply with requirement to submit corresponding meter values)
- Distributed energy resources (DER) under a Participating Generator Agreement (PGA)

SCs that provide SQMD for new SCME resources they represent would be required to develop and submit a *SQMD Plan*

- *SQMD Plan* provides means to ensure that the quality and integrity of meter data used in settlements is maintained.
- *SQMD Plan* requirement would apply to all new SCMEs, whether or not the particular market resource type could opt to be SCME prior to the MRE proposal.
- Same SC may also represent one or more ISOME resources as well but would not submit an *SQMD Plan* for the ISOME resources it represents.
- Some exclusions apply for demand response resources.

Meter data intervals will change for new generators providing energy only (i.e., those not associated with ancillary services)

- Must submit SQMD in intervals of 5 or 15 minutes.
- Applies to new
 - CAISO BAA generators providing energy only (under today's rules—combination of tariff section 10.3.2.2 and 5/1/14 class exemption—may submit in intervals of 5, 15, or 60 minutes)
 - EIM participating generators (under today's rules must submit in intervals of 5 minutes)
- Treats these energy only generators similarly

Proposal refines and clarifies how the CAISO will revise its tariff to reflect two class exemptions issued in 2014

- In general these two class exemptions allow submittal of meter data at an interval level that is *more* granular than otherwise permitted under tariff section 10.3.2.2.
- CAISO is proposing to revise tariff section 10.3.2.2 to be consistent with these two class exemptions and the modifications discussed on previous slide.
- Will provide greater clarity on actual CAISO practice, help the CAISO enforce meaningful SQMD submission requirements, provide flexibility, and avoid further exemptions to tariff section 10.3.2.2.

Proposal addresses possibility of discrepancies or disputes related to Settlement Quality Meter Data (SQMD) submission at intratie points

SCME option:

- If two adjoining UDCs within the CAISO BAA agree upon the value and data submission responsibility representing energy flows between them, then the metering used at the intratie may be SCME and the meter data submitted by one of the SCs may be SQMD.

Proposal addresses possibility of discrepancies or disputes related to Settlement Quality Meter Data (SQMD) submission at intradie points (continued)

ISOME option:

- If two adjoining UDCs within the CAISO BAA *cannot* agree upon the value and data submission responsibility representing energy flows between them, then the resource will remain and/or become an ISOME where the metering and communications are the shared responsibility of one or both of the adjoining UDCs; but, data is collected, validated, and submitted by the CAISO.

Next Steps

Request stakeholder comments by COB November 17th

Be sure to use comments template provided

Submit to comments mailbox:

InitiativeComments@caiso.com

Step	Date	Event
Revised Draft Final Proposal	November 1	Post draft final proposal second supplement
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Thank you!