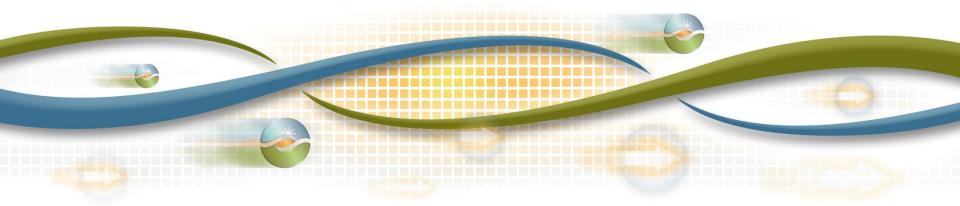


Energy storage and distributed energy resources phase 2 – ESDER2

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The proposal includes enhancements to the demand response participation models and clarifies the definition of station power for storage resources.

Decisional items

- Add new demand response performance evaluation methods
- Clarify station power treatment for storage resources

Consent agenda item

 Incorporate additional gas indices into the net benefits test calculation to reflect all real-time market regions



The proposal enhances demand response market participation models by providing additional performance evaluation methods.

- Current baseline method does not accurately reflect the performance of certain demand response resources.
- Proposal introduces new baseline methodologies to better reflect the performance of various demand response resources:
 - 10-in-10 day-matching customer load baseline (current),
 - control groups,
 - weather matching, and
 - additional day matching baseline relying on customer's electricityuse data.



Baseline calculations will be shifted to the demand response provider or its scheduling coordinator.

- Demand response provider or its scheduling coordinator can choose the baseline that provides best fit
- Scheduling coordinator submits performance data to the ISO as settlement quality meter data based on the applicable performance evaluation method
- Proposed change provides a more consistent and flexible approach to performance calculation management and processing



The proposal includes revisions to the definition of station power to provide increased regulatory certainty to storage resources.

- Proposal provides clarity on distinguishing energy used to charge a storage device versus energy to supply station power:
 - 1. Simplifies the station power definition to incorporate by reference the definitions applied by local regulatory authorities
 - 2. Includes wholesale use examples in business process manual such as charging energy, resistive losses, blackstart energy, pumping load, and synchronous condensers.
 - 3. During interconnection process, resources will affirm to the ISO that they comply with retail tariff requirements.



Stakeholder are generally supportive of the proposal.

- Robust support for alternative baselines, which can be contributed to successful stakeholder led working group.
- Support of the station power proposals simplified approach and deference to local regulatory authorities.



Management requests the Board of Governors approve the ESDER 2 proposal:

- New demand response performance evaluation methods lower barriers to ISO market participation and provide fair treatment for demand response resources
- Proposed revisions to station power definition provide increased regulatory certainty for storage resources

