



DER ACTION PLAN UPDATE



Commissioner Committee on Emerging Trends
California Public Utilities Commission
July 12, 2017

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Outline

- DER Action Plan overview
- Summary of DER vision
- Internal coordinating framework
- Action Element status snapshot
- Early accomplishments





DER Action Plan Overview

- Endorsed by the Commission in November 2016
- The DER Action Plan is a 7-page document that:
 - Sets a long-term vision for DERs and supporting policies
 - Identifies CPUC actions needed to meet that vision
 - Establishes a coordinating framework across 15 proceedings and 2 CAISO stakeholder initiatives

Does not determine outcomes of individual proceedings

3 Living Document





DER Action Plan Structure

17 “Vision Elements” and 35 “Action Elements” grouped into 3 tracks:

- Track 1: Rates and Tariffs
- Track 2: Distribution Grid Infrastructure, Planning, Interconnection, and Procurement
- Track 3: Wholesale DER Market Integration and Interconnection





Track 1: Rates and Tariffs Vision

- Customer choice
- Time varying rates
- Innovative rates and tariffs
- Aligned with cost causation
- Affordable to non-DER customers





Track 2: Distribution Planning, Infrastructure, Interconnection, and Procurement Vision

- Transparent planning and sourcing
- Utility "2.0" / IOU business model
- Technology-neutral sourcing
- Recognize full GHG and grid services value
- Streamlined interconnection
- DER-enabling grid investments for ratepayer benefit
- Data communications and cybersecurity





Track 3: Wholesale DER Market Integration and Interconnection Vision

- Robust DER participation in wholesale markets
- Multiple revenue streams
- Market and interconnection rules supportive of BTM DERs
- Predictable EV behavior in grid operations
- Non-discriminatory market rules for EVs





Coordinating Framework Project Charter

Core Team manages the day-to-day (Simon Baker, Gabe Petlin, MC Evans)

Coordinating Committee (Simon Baker, Gabe Petlin, MC Evans, Paul Phillips, Mel Charles, ALJ Jeanne McKinney)

- Reviews status of priority cross-cutting elements

- Elevates timely elements that don't have a procedural home or have yet to be initiated

- Stimulates coordination between proceedings where needed; ensures timely handoffs between proceedings

- Facilitates periodic revisions to the Action Plan itself, as directed by the Commission

Each Action Element assigned to an ED Technical Lead

- Responsible for updating Coord. Cmte. on element status





Coordinating Framework Project Management Tool

52 individual elements in the DER Action Plan

Procured cloud-based project management tool “Asana” to:

- Store info on each element (scoping status, procedural vehicle, technical lead, deadline, et al.)
- Streamline requesting/receiving updates from Tech. Leads
- Quickly identify elements that require attention
- Produce reports on progress and linkages btwn. elements

Asana will be available beginning in August

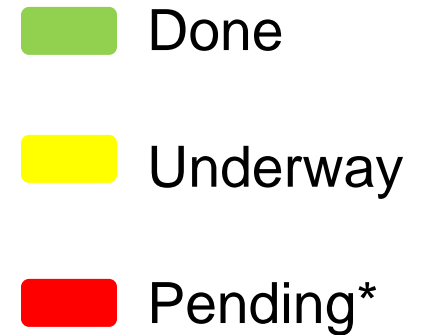
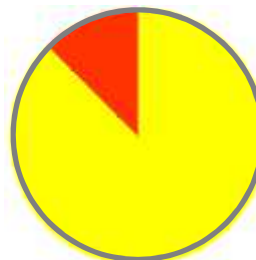
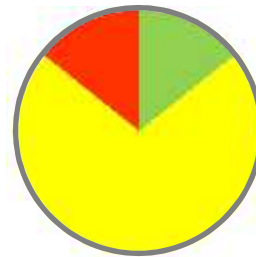
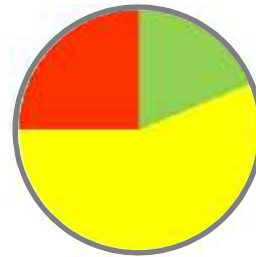
All DER Action Plan team members, including Commissioners, will have access to Asana





Action Element Status Snapshot

- Track 1: Rates and Tariffs
- Track 2: Distribution Grid Infrastructure, Planning, Interconnection, and Procurement
- Track 3: Wholesale DER Market Integration and Interconnection



**Pending elements are either waiting on another task or have not yet been started.*





Early Accomplishments

- ✓ DER Action Plan language added to scoping memos/rulings in five proceedings (DR, Storage, Rule 21, SCE RDW, EE)
- ✓ Presentations at CEC workshop on DER Action Plan-related priorities for EPIC research, and IEPR Workshop on Application of DERs on the California Grid
- ✓ Referenced in trade press and DER conference circuit
- ✓ Precipitating movement on non-residential rate reform (Actions 1.9, 1.10)
- ✓ Mapping timing of handoffs from DRP, IDER, and Residential RDWs to "NEM Revisit" in 2019 (Action 1.12)





Timing of Handoffs to “NEM Revisit”

Caveat: Staff Conceptual Timeline based on Status Quo Procedural Approach

Proceeding	2017				2018				2019				2020				2021				2022			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
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Questions?

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