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
- 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 btw. 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
  - **Done**
  - **Underway**
  - **Pending**

- **Track 2**: Distribution Grid Infrastructure, Planning, Interconnection, and Procurement
  - **Done**
  - **Underway**
  - **Pending**

- **Track 3**: Wholesale DER Market Integration and Interconnection
  - **Done**
  - **Underway**
  - **Pending**

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

For status of individual Action Elements, see handout.
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*

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| LNBA Working Group Report on Long-Term Refinement Issues (due January 8)
| Decision on LNBA Long-Term Refinement Issues (avoided transmission, et al.)
| IRP          |      |      |      |      |      |      |
| Decision on Reference System Plan (and possible guidance re: BTM PV policy)
| IDER         |      |      |      |      |      |      |
| Decision on Societal Cost Test and GHG Adder
| Annual ACC Update
| IDER         |      |      |      |      |      |      |
| Annual ACC Update
| Res Rates    |      |      |      |      |      |      |
| Rate Design Windows proposing residential TOU rates
| NEM Revisit  |      |      |      |      |      |      |
| Technical Consulting Contract
| NEM Revisit  |      |      |      |      |      |      |
| NEM Revisit Rulemaking
| NEM Revisit  |      |      |      |      |      |      |
| Trff. Launch |      |      |      |      |      |      |

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Questions?

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