

DOCKETED

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MEETING SCHEDULE: 2018 IEPR Update Workshop on Renewables Integration and System Flexibility

June 20, 2018—10:00 am

First Floor – Rosenfeld Hearing Room
1516 9th Street, Sacramento, CA 95814

(Listed times are general guidelines only.)

Introduction (10:00-10:05)

Heather Raitt, Integrated Energy Policy Report (IEPR) Program Manager

Opening Comments (10:05-10:10)

Chair Robert B. Weisenmiller, California Energy Commission
Commissioner David Hochschild, California Energy Commission
Commissioner Karen Douglas, California Energy Commission
Commissioner Andrew McAllister, California Energy Commission

Overview of Current Operational Issues (10:15-11:30)

Clyde Loutan, California Independent System Operator (California ISO) – Update on electricity system performance
Neil Millar, California ISO – 2018 Summer Assessment
Jaime Gannon and Michele Kito, California Public Utilities Commission – Update on Resource Adequacy
David Vidaver, California Energy Commission – Recent and planned natural gas plant shutdowns

Potential long-run need for renewables and their integration (11:30-11:45)

Amber Mahone, E3 – Potential long-run renewable integration needs: A high electrification scenario

Regional Overview (11:45-12:05)

Neil Millar, California ISO - Update on Informational Study of Increased Capabilities for Transfers of Low Carbon Electricity between the Pacific Northwest and California
Doug Marker, Bonneville Power Administration - Update on inter-regional activities

Break (12:05-1:05)

Integrating Solar (1:05-2:05)

Lou Fonte, California ISO - Disturbances and the performance of transmission level-interconnected inverter-based resources; a quest for standards

Alex Au, NextTracker – Solar, storage and inverter derating

Sandra Burns, Pacific Gas & Electric – Contracting with utility-scale solar: curtailment and performance upgrade issues

Abtin Mehrshahi, California Energy Commission – The Energy Commission's Inverter List

Break (2:05-2:20)

Flexible Loads and Resources Update (2:20-3:20)

Flexible Loads

Scott Blunk, Sacramento Municipal Utility District – Load flexibility: SMUD's water heater cycling pilot project

Sabrina Butler, San Diego Gas & Electric – Initial observations on time-of-use rates

Anna Chung, Southern California Edison – Flexible demand response procurement (*via WebEx*)

Gabriel D. Taylor, California Energy Commission – Building Energy Standards & Demand Side Efficiency

Arthur Haubenstock, California Efficiency + Demand Management Council – The Council's key current and upcoming load management activities

Flexible Resources:

Grant McDaniel, Wellhead Power Solutions – The performance of Wellhead's hybrid gas-storage projects

Douglas Black, Lawrence Berkeley National Laboratory – A case study in V2G (Vehicle to Grid): The Los Angeles Air Force Base project

Shana Patadia, ChargePoint – Next-Generation Grid Communication for PEVs: a pilot project

Rohan Ma, Tesla – The performance of large-scale battery energy storage: the Hornsdale Power Reserve, South Australia

Public Comments

Closing Remarks

Adjourn