

DOCKETED

Docket Number:	17-IEPR-12
Project Title:	Distributed Energy Resources
TN #:	219949
Document Title:	California's Distributed Energy Resources Action Plan Aligning Vision and Action
Description:	6.29.2017 Presentation by Mike Gravely of CEC
Filer:	Raquel Kravitz
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	6/28/2017 8:54:59 AM
Docketed Date:	6/28/2017



CALIFORNIA ENERGY COMMISSION



California's Distributed Energy Resources Action Plan: *Aligning Vision and Action*

May 3, 2017¹

Introduction

The California Legislature recently enacted legislation to further California's deep commitment to reducing greenhouse gas emissions and deploying distributed energy resources. Senate Bills 350 and 32, approved by the Governor in 2015 and 2016, commit California to reduce 2030 greenhouse gas emissions (GHG) by 40% below 1990 levels, by increasing to 50% the share of electricity to be produced by renewable generation, doubling targets for energy efficiency, and encouraging widespread transportation electrification. Assembly Bill 327, approved by the Governor in 2013, requires reform of utility distribution planning, investment, and operations to "minimize overall system cost and maximize ratepayer benefits from investments in preferred resources," while advancing time- and location-variant pricing and incentives to support distributed energy resources.²

Distributed energy resources (DER), which are defined as distribution-connected distributed generation resources, energy efficiency, energy storage, electric vehicles, and demand response technologies, are supported by a wide-ranging suite of California Public Utilities Commission (Commission) policies.³ The Commission is actively considering augmentations and refinements to many of these policies in Commission proceedings.⁴ This DER Action Plan (Action Plan) seeks to align the Commission's vision and actions to shape California's distributed energy resources future.

Senate Bill 350 requires the Commission to implement an integrated resource plan (IRP) process to identify optimal portfolios of resources to achieve the state's GHG goals and meet the challenge of renewable integration, and DERs will play an important role.⁵ The Commission anticipates that this Action Plan will inform, and be guided by, IRP as that process takes shape.

At the July 14, 2016 voting meeting, the Commission adopted fifteen strategic directives to guide staff activities throughout the agency. This DER Action Plan furthers several of those directives. Specifically, accomplishing the vision described in the Action Plan will support the directives related to rates and affordability, climate change, environmental sustainability, economic prosperity, and coordination with other governmental entities.

¹ The Commission endorsed the DER Action Plan at the November 10, 2016 Voting Meeting. On May 3, 2017, the Commission made the following non-substantive changes to the Plan in order to improve clarity: the "Continuing Elements" and "Action Elements" in each Track were consolidated into one set of "Action Elements" for each Track, elements were renumbered, and the text was modified to reflect these changes. No other modifications were made. A red-lined version of the DER Action Plan showing these changes and a document showing conversions between the old and new numbering systems are available on the Commission's webpage.

² Public Utilities Code §769(c)

³ See Appendix A, a matrix of existing DER sourcing mechanisms

⁴ Distributed Resource Plans: R.14-08-013; Integrated Distributed Energy Resources: R14-10-003; Energy Efficiency: R. 13-10-005; Energy Savings Assistance Program: A.14-11-002; Demand Response: R. 13-09-011; Distributed Generation: R.12-11-005; Energy Storage: R.10-12-007; Alternative Fuel Vehicles: R. 13-11-007; Combined Heat and Power: R. 15-07-028; Renewable Portfolio Standards: R. 14-07-002; Time of Use: R.15-12-012; Residential Rate Reform: R.12-06-013; Net Energy Metering: R.14-07-002

⁵ Public Utilities Code §454.51 and §454.52