

**California Energy Commission****Staff Integrated Energy Policy Report (IEPR) Workshop****Distributed Generation: Electricity Infrastructure Costs****August 22nd – 9:00 a.m.****AGENDA****Workshop Overview**

The California Energy Commission staff will conduct a workshop to receive comments on a study of the costs and impacts on the electricity system associated with increased distributed generation (DG) installations in California, and how costs and impacts change based on interconnection location, distribution feeder characteristics, load types, and project size. The Energy Commission has contracted with Navigant Consulting to conduct the analysis, and has partnered with Southern California Edison (SCE) to use their system for the study. Preliminary study results and recommendations will be presented for discussion by stakeholders.

The afternoon panel will discuss the development of a state planning process and pilot that will identify and prioritize preferred renewable development zones for distributed and renewable generation as recommended in the *2012 Integrated Energy Planning Report*.¹ It is anticipated that information developed by this pilot will be used to guide DG projects to preferred or high value locations in the state. Panel discussions will identify the essential planning approach elements, the necessary stakeholders, data and information needs and the pilot's required characteristics and components.

Introduction

Matt Coldwell, Electricity Supply Analysis Division, Energy Commission

The Impact of Localized Energy Resources on Southern California Edison's Transmission and Distribution System

Erik Takayesu, Southern California Edison

Distributed Generation Integration Analytical Planning Framework

Eugene Shlatz, Navigant Consulting

Nathan Buch, Navigant Consulting

Questions for workshop participants to consider regarding the framework:

1. Do the framework's methodology and/or assumptions contain any significant flaws?
2. Are there ways to improve the framework?
3. Could this framework be utilized by other California utilities, if updated, to take into account location and/or utility specific system operational characteristics and support state planning activities to identify preferred or high value locations for DG projects?

¹ See page 7, http://www.energy.ca.gov/2012_energypolicy/documents/index.html

Panel Discussion: Developing a State Planning Process Framework to Guide Distributed Generation Projects to Preferred Locations

Moderator: Matt Coldwell, Energy Commission

Eugene Shlatz, Navigant Consulting

Erik Takayesu, Southern California Edison

Chase Sun, Pacific Gas & Electric

Jeff Billinton, California Independent System Operator

Kevin Fox, Fox & Wiedman LLP, representing The Vote Solar Initiative

Craig Lewis, Clean Coalition

Alan Comnes, SunPower Corporation

Erik Stuebe, Ecoplexus

Erica Brand, The Nature Conservancy

Questions:

1. Should California establish a planning process that guides distributed generation resources to preferred locations? For example, a preferred location may be an area with cost-containment value and is better suited to accommodate DG resources. Additionally, a preferred location may be an area that is considered high-impact (e.g. SONGS footprint area) and could benefit from DG resources.
2. Are there high-impact areas in the state that should be targeted for a study on developing a planning process to guide distributed generation development?
3. What are the needed elements for a study on a planning process used to guide projects?
4. Which stakeholders need to be engaged, and what tools and information are needed?