

California Energy Commission

**Workshop on the Development and Scope of Market Facilitation Initiatives
for the Energy Commission's Proposed 2015-2017 Triennial Investment Plan
for the Electric Program Investment Charge Program**

February 7, 2014

Beginning at 10:00 a.m.

AGENDA

Introduction

Welcome

Laurie ten Hope, Energy Commission

Overview of the California Public Utilities EPIC Decision

Cem Turhal, CPUC

Energy Commission Process and Schedule for the Second EPIC Investment Plan

Pam Doughman, Energy Commission

Panel 1: Advancing Paths to Market for Clean Energy: Input from Procurement Decision-Makers

Moderator: Virginia Lew, Energy Commission

Panelists:

Blaine Collison, US Environmental Protection Agency

Ardie Dehghani, University of California Davis

Camron Gorguinpour, US Department of Defense

Winifred Kwofie, University of California San Francisco

Bob Raymer, California Building Industry Association

Christine Vance, Energy Coalition

Randy Walthers, Raley's

Questions:

1. What are some different ways you have advanced clean energy technologies into the procurement process?
2. What do you look for and what information do you need to include clean energy technologies in procurement for your facilities? Is there a critical need for funding for technical certification from independent third parties, testing protocols, or "best in class" lists for emerging clean energy technologies? How would this facilitate market adoption?
3. What are some innovative procurement strategies that can potentially reduce the purchase cost of clean energy technologies for the electricity sector?
4. What are potential activities that can help facilitate the inclusion of emerging energy technologies into the subdivision design and building procurement process, the home/building retrofit process, and the home/building renovation process? Which of these activities are suitable for the market facilitation program area of EPIC?

Public Comment for Panel 1

Lunch

Panel 2: Beyond RD&D Grants, What Services do Clean Energy Entrepreneurs Need to Bring Products to Market? Innovative Financing, Business Plan Competitions, Consumer Reports for New Technologies, Other?

Moderator: Erik Stokes, Energy Commission

Panelists:

Beverly Alexander, Energy Institute at Haas, UC Berkeley
George Crandell, Technikon
Jennifer Garson, EERE, US Department of Energy
Josh Gould, ARPA-E, US Department of Energy
Cole Hershkowitz, Chai Energy
Annetta Papadopoulos, IDEO

Questions:

1. What key services, such as testing centers and independent validation, are needed to help clean energy entrepreneurs successfully commercialize good innovations? At what technology development stage(s) are these key services needed? How should the Energy Commission prioritize the top few technological areas or companies that should receive services?
2. What activities, tools, or information are needed by the financial community to help facilitate investments in early-stage clean energy companies? What role can the Energy Commission play in facilitating this through the market facilitation program area of the EPIC program?
3. What role can innovative strategies such as design thinking, social gaming, and other creative ideas play in facilitating greater customer adoption of emerging energy technologies and strategies? What technologies or strategies would best be suited to these approaches? Is this a current funding gap not adequately covered by the private sector?
4. What technologies or strategies, such as zero-net buildings, could potentially benefit from innovative business models or financing mechanisms the way rooftop PV has benefited from third-party leasing? What funding levels would be needed to pilot these potential business models or strategies?
5. To what extent do existing clean energy business incubators, business plan competitions, and innovation clusters support companies in scaling up to commercial production? What critical need would be addressed if EPIC funds were available to help startup companies gain access to these services? How can the Energy Commission through EPIC address critical needs related to facilitating partnerships to bring innovative clean energy technologies to market?

Public Comment for Panel 2

Break

Staff Presentation: Update on Local Regulatory and Permitting Challenges

Presenter: Sherrill Neidich, Energy Commission

Questions:

1. Should EPIC provide funding for a Programmatic Environmental Impact Report for biomass? How should this be structured to best capture benefits for IOU ratepayers?
2. How can EPIC address planning/permitting barriers to fast track deployment of technologies that can improve local reliability?
3. How can EPIC funds build on work underway to identify preferred areas for distributed generation? What critical needs for planning and permitting on this topic remain unaddressed?
4. What types of tools would be most useful to regional/local planners to facilitate planning, permitting, and implementation of clean energy facilities and technologies?
5. What are the “next generation” of permitting and regulatory challenges that the state may face to achieve goals for energy storage, microgrids, and other clean energy policy objectives?

Public Comment

Adjourn