

California Energy Commission
Staff Workshop on the Electric Program Investment Charge Program
August 9-10, 2012

Location: CalTrans Building District 7, 100 South Main Street

AGENDA

Day 1: Clean Energy Innovation Priorities

9:00 Introduction

Laurie ten Hope, Deputy Director, Research & Development Division, Energy Commission

Opening Remarks

Commissioner Peterman, Energy Commission

9:30 Overview of the EPIC Decision

Andrew Schwartz, Procurement Strategies Supervisor, CPUC

Cem Turhal, Procurement Strategies Analyst, CPUC

10:00 Overview of CEC Process & Schedule for Developing the EPIC Investment Plan

Laurie ten Hope, Deputy Director, Research & Development Division, Energy Commission

10:15 Overview of IOU Process for Complementary Investment Plans

Frank Goodman, Senior Technology Development Advisor, San Diego Gas & Electric

10:45 Overview of Topics and Schedule for Discussion Sessions

Garry O'Neill, Staff, Efficiency & Renewables Division, Energy Commission

Participants will have an opportunity to address the questions below and suggest ideas for EPIC funded activities to bring pre-commercial innovative clean energy generation technologies and approaches to market. Topics can include technologies, environmental considerations, and cross-cutting initiatives. Three facilitated sessions will be held sequentially on:

- Clean Energy Generation.
- Grid Operations.
- Efficiency and Demand Side Management.

Questions:

1. What are the major barriers to developing and commercializing clean energy technologies?
2. Where should funding emphasis be placed to maximize the deployment of clean energy technologies? (i.e. where is technology innovation needed versus where is support for commercial scale-up the critical need?)

3. What specific initiatives are recommended to advance innovative energy technologies that benefit ratepayers?
4. Define the ratepayer need for which EPIC investment should be targeted?
5. Prioritize initiatives and identify the benefits that should be anticipated and measured such as: Energy and cost savings; Grid reliability; Job creation; Economic benefits; Environmental benefits; Likelihood of return on investment; Other

11:00 Session 1: Clean Energy Generation Systems

Facilitator: Garry O'Neill, Staff, Efficiency & Renewables Division, Energy Commission

Lunch

1:15 Session 2: Grid Operations (T&D, renewable and EV-grid integration, storage)

Facilitator: Jamie Patterson, Staff, Research & Development Division, Energy Commission

2:30 Session 3: Efficiency and Demand-side Management

Facilitator: Beth Chambers, Staff, Research & Development Division, Energy Commission

3:45 Public Comment

4:15 Summary Remarks for Day 1

Rob Oglesby, Executive Director, Energy Commission

4:45 Adjourn

Day 2: Market Deployment and Facilitation Panel Discussions

9:00 Introduction and Summary of Day 1

Rob Oglesby, Executive Director, Energy Commission

Dave Ashuckian, Deputy Director, Energy Efficiency & Renewables Division, Energy Commission

9:15 Panel 1: Energy Innovation Clusters

Moderator: Erik Stokes

Panelists:

Holly Smithson, President, CleanTech San Diego

Taylor Honrath, Director, CleanTech OC

Ilan Gur, Advanced Projects Research Agency – Energy, U.S. Department of Energy

Cameron Gorguinpour, Special Assistant, Office of the Assistant Secretary, U.S. Air Force

Mark Goodstein, Executive Director, CleanTech Los Angeles

Questions to consider:

1. What are the benefits of innovation clusters in supporting the development and deployment of innovative clean energy technologies?
2. What are the pros/cons of the different models of energy innovation clusters to accelerate a successful path to market? (i.e. Technology Incubators, Innovation Hubs, Test Beds)
3. Do you recommend funding for innovation clusters in the EPIC Program? Provide program specific recommendations.
4. If this is meritorious for funding, how should EPIC measure ratepayer benefits for energy innovation clusters?

10:15 Public Comment

10:45 Panel 2: Regulatory Assistance and Permit Streamlining to Accelerate Clean Technology Deployment

Moderator: Sherrill Neidich, Energy Commission Staff

Panelists:

Vernon Hunt, Energy Program Manager, United States Department of the Navy

Tamara Gishri, Program Manager for the Southern California Rooftop Solar Challenge, California Center for Sustainable Energy

Josh Hart, Planning Director, Inyo County

David McFeely, Director of Industry Solutions and Grants, SolarTech

Jason Giffen, Planning and Building Director, San Luis Obispo County

Questions to consider:

1. The Energy Commission anticipates that cities, counties, and regional governments will seek grant funding. Are there other entities that should be targeted for regulatory assistance funding?
2. What local planning and permitting challenges do clean energy technologies pose now and in the future?
3. How can EPIC investments leverage current efforts rather than duplicate them (e.g. DOE SunShot Initiative and model frameworks from the California County Planning Directors Association and Governor's Office of Planning and Research)?
4. What local planning activities should EPIC invest in? What local permitting processes should EPIC invest in? What do these initiatives cost and how long do they take?

5. If meritorious, how should EPIC measure ratepayer benefits for local planning and permitting assistance?

Noon Public Comment

12:30 Lunch

1:30 Panel 3: Workforce Development to Accelerate Clean Technology Deployment

Moderator: Sherrill Neidich, Energy Commission Staff

Panelists:

Strela Cervas, Co-Coordinator, California Environmental Justice Alliance

Daniel Villao, California Construction Academy, UCLA Labor Center

Genine Wilson, Co-Chair, Los Angeles County Economic Development Corporation's Workforce Development Committee

Carlos Hernandez, Education Programs Manager, Southern California Edison

Aaron Ellis, Employers Training Resource, Kern County

Jessica Goodheart, Program Manager, RePower LA Program, Los Angeles Alliance for a New Economy

Questions to consider:

1. Does the clean energy sector shape employee training programs? What partnerships exist between training programs and employers to promote job placement, apprenticeships, and externships?
2. Significant investments are being made to develop a clean energy workforce. How can EPIC workforce development investments build upon these efforts?
3. Should EPIC fund the collection, storage and dissemination of a clean energy workforce information center? Would a clean energy workforce center connect the workforce to the employer?
4. Distributed PV and wind have industry recognized certifications (i.e., NABCEP). What technologies would benefit from similar certification programs?
5. How should EPIC measure ratepayer benefits for workforce development?

3:00 Public Comment

3:30 Adjourn

***Additional Workshop(s) will be held in September on the draft investment plan including funding recommendations, metrics and selection criteria for awarding EPIC funds, and intellectual property provisions.**