



DOCKET

12-IEP-1D

DATE JUN 06 2012

RECD. JUN 07 2012

California Energy Commission
IEPR Lead Commissioner Workshop
Transition to a Clean Economy: Renewable Research and Development,
American Recovery and Reinvestment Act, and Financing
June 6, 2012 – 9:00 a.m.
AGENDA

Introduction

Suzanne Korosec, IEPR Lead

Opening Comments

Commissioner Carla Peterman, Lead Commissioner
Chair Robert Weisenmiller

Staff Presentation

Suzanne Korosec, IEPR Lead

Panel 1: Renewable Technologies on the Horizon

This panel will explore renewable technologies on the horizon that are not currently commercially available or at the very early stage of commercialization, but have the potential to help achieve the 33 percent Renewable Portfolio Standard. A more diverse technology portfolio provides a hedge against future unknown technology, market, and regulatory changes to put the state in a stronger position to meet its goals. This panel will identify such technologies and recommend next steps to advance development.

Moderator: **Rizaldo Aldas**, Energy Commission staff

Presentation: **Lew Milford**, Clean Energy Group

Panelists:

- **George Simons**, Director of Renewable and Distributed Generation Consulting Services, ITRON
- **William Glassley**, Executive Director of the California Geothermal Energy Collaborative, UC Davis
- **Jack Brouwer**, Associate Director of the National Fuel Cell Research Center in UC Irvine and Professor, UC Irvine
- **Mirko Previsic**, Principal, RE Vision Consulting, LLC
- **Lon W. House**, Co-director of the California Small Hydro Collaborative, UC Davis
- **Bryan Hannegan**, Vice President, Environment and Renewables for the Electric Power Research Institute (EPRI)

- **Low Milford**, Clean Energy Group, Clean Energy States Alliance Founder and President

Questions:

1. What is the role for these technologies in the future, what needs will they meet?
2. What is the time horizon for commercial development, what is their current level of commercialization? What are hurdles, e.g. technical, economic or policy, specific to these technologies that must be addressed to further their development and commercialization?
3. What are the technology cost projections?
4. What financing strategies and government support are currently available for these technologies? Are these strategies effective or what other policies and incentives are needed to advance the commercialization of these technologies?

Public comment

Lunch (approximately 11:30 a.m.)

Panel 2: Financing – Investors Panel

This panel will explore the current status of project finance, innovative financing strategies, and creative opportunities to provide capital. The panel will provide perspective on such issues as Emerging Technology Reverse Auction Mechanism (ET-RAM), efficacy insurance, debt financing, incentives, and renewable financing best practices.

Moderator: **Larry Rillera**, Energy Commission staff

Panelists:

- **John Marciano III**, Associate, Chadbourne and Parke, LLP
- **Deana Carillo**, Treasury Program Manager, California Alternative Energy and Advanced Transportation Financing Authority (CAEATFA)
- **Roma Cristia-Plant**, Assistance Executive Director (I-Bank)
- **Jesse Jones**, CleanPath
- **Paul Frankel**, California Clean Energy Fund
- **Seth Miller**, DBL Investors

Questions:

5. What is the current status of project finance for renewable technologies? Discuss boom/bust finance cycles and how the capital markets are responding.
6. What can traditional public finance entities offer within their existing statutory framework to provide capital? Discuss options to modify existing policies to increase capital access.
7. The effects of the 2008 financial markets helped to create many federal policies and investments such as the treasury cash grants (1603), loan guarantees (1703 and 1705)

and others. As these programs and others sunset, provide recommendations on what assistance California can provide going forward.

Public Comment

Break

Panel 3: American Recovery and Reinvestment Act projects: status and next steps

This panel will explore the development status of large-scale renewable projects that received ARRA funding and will explore any barriers they are facing such as financing or transmission access.

Moderator: **Felicia Miller**, Energy Commission staff

Presentation: **Felicia Miller**, Energy Commission staff

Panelists:

- **Keely Wachs**, Senior Director of Corporate Communications, BrightSource
- **Scott Busa**, Director, Business Development, NextEra
- **Scott Galati**, Partner, Galati/Blek LLP
- **Randy Hoyle**, Senior VP, Wind & Solar Development, TerraGen Energy
- **Hunter Armistead**, Executive Director, Pattern Energy
- **Chris Ellison**, Ellison, Schneider & Harris LLP

Questions:

8. From your perspective, what planning efforts were necessary to bring your renewable project to a successful construction start; or what would you have done differently in retrospect?
9. What obstacles or challenges are these projects currently facing?
10. Are state, federal, or local actions needed to facilitate the development of large-scale renewable projects? If so, what actions are needed, by whom, and at what phase of the project?

Case Studies of Project Development

Presentation: **Ashley Fabrizio**, Executive Fellow to Ana Matosantos, Director of Finance

Public Comments

Closing Remarks

Adjourn (approximately 5:00 p.m.)