CALIFORNIA ENERGY COMMISSION

Energy Commission Process and Schedule for the Proposed 2015-2017 EPIC Investment Plan

February 7, 2014

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Workshop Agenda (with Approximate Times)

- 10:00 AM- Introduction
- 10:20 AM- Panel 1: Advancing Paths to Market for Clean Energy.
- 1:15 PM- Panel 2: Beyond RD&D grants, What Services do Clean Energy Entrepreneurs Need to Bring Products to Market.
- 3:45 PM – Staff Presentation: Update on Local Regulatory and Permitting Challenges.

Tentative Schedule for Energy Commission 2015-17 EPIC Investment Plan

Activity	Second Triennial Investment Plan (2015-2017)
CEC scoping workshop	February 7, 2014
CEC questionnaire/stakeholder comments due	February 13, 2014
CEC posts draft proposed 2nd investment plan	mid-March, 2014
CEC/IOU Northern CA workshop on draft proposed investment plans	March 17, 2014
CEC/IOU Southern CA workshop on draft proposed investment plans	March 21, 2014
CEC posts proposed 2nd investment plan	Mid/Late April 2014
CEC considers adopting plan at business meeting	Late April 2014
CEC submits 2nd investment plan to CPUC	May 1, 2014
CPUC proceeding	May 2014 – Nov. 2014
CPUC Decision considers modifying and/or adopting 2nd Investment Plans	December 2014

Stakeholder Input on the Scope of the Energy Commission's Second EPIC Investment Plan

- Submit written comments
  - Responses should address questions in the agenda.
- Complete and submit questionnaire
  - http://www.energy.ca.gov/research/epic/documents/2014-02-07_workshop/2014-02-07_questionnaire.pdf
- Comments and questionnaire should be submitted to the docket unit at:
  - Email: docket@energy.ca.gov and include in the CC line Prab.Sethi@energy.ca.gov
  - Mail: California Energy Commission Dockets Office, MS-4

    Re: Docket No. 12-EPIC-01

    1516 Ninth Street

    Sacramento, CA 95814-5512
  - Indicate 12-EPIC-01 and EPIC Second Investment Plan in the subject line.
- Comments and questionnaire due February 13, 2014.

For More Information:

- EPIC Website (workshops; funding opportunities; join mail list): **http://www.energy.ca.gov/research/epic**

Topic 1: Advancing Paths to Market for Clean Energy

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?

Topic 1: Advancing Paths to Market for Clean Energy (continued)

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?

Topic 2: Beyond RD&D Grants, What Services do Clean Energy Entrepreneurs Need to Bring Products to Market?

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?

Topic 2: Beyond RD&D Grants, What Services do Clean Energy Entrepreneurs Need to Bring Products to Market? (continued)

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 energy buildings, could potentially benefit from innovative business models or financing mechanisms the way rooftop PV has from third-party leasing? What funding levels would be needed to pilot these potential business models or strategies?

Topic 2: Beyond RD&D Grants, What Services do Clean Energy Entrepreneurs Need to Bring Products to Market? (continued)

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?

Topic 3: Update on Local Regulatory and Permitting Challenges

1. Should EPIC provide funding for a Programmatic Environmental Impact Report for biomass? How should this be structured to best capture benefits for IOU electric 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?

Topic 3: Update on Local Regulatory and Permitting Challenges (continued)

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?