

## Workshop Agenda – Discussion of Small-Scale Bioenergy FIT Implementation



**May 2, 2013, 9:30-4:30**

California Public Utilities Commission  
Auditorium  
505 Van Ness Avenue  
San Francisco, CA 94102

**Phone Attendees (Listen ONLY)**

Conference line: 1-866-812-8481  
Participant Passcode: 9058288#

**For general questions about the workshop:**

Adam.schultz@cpuc.ca.gov

**WebEx – (Slide view / Submit questions)**

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Meeting Number: 749 020 447

Meeting Password: bioenergy  
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Go to:

<https://van.webex.com/van/j.php?ED=206773622&UID=491292852&PW=NMjU2ZTcwZTU4&RT=MIM0>

### **Background:**

On 27 September 2012, Gov. Brown signed SB 1122 (Rubio) into law, creating a 250 MW bioenergy carve-out for the state's Feed-in Tariff (FIT) program.

For the full text of that law:

[http://leginfo.legislature.ca.gov/faces/billTextClient.xhtml;jsessionid=cd36e5138d18004eeb1fc4f367a0?bill\\_id=201120120SB1122](http://leginfo.legislature.ca.gov/faces/billTextClient.xhtml;jsessionid=cd36e5138d18004eeb1fc4f367a0?bill_id=201120120SB1122)

As part of the CPUC's efforts to implement SB 1122, Energy Division staff has commissioned a study by engineering firm Black & Veatch titled, "Small-scale Bioenergy: Resource potential, costs, and feed-in tariff implementation assessment." The first draft of this report was distributed by Energy Division staff on April 9, 2013.

For the draft of this report:

[http://www.cpuc.ca.gov/NR/rdonlyres/9ABE17A5-3633-4562-A6DA-A090EB3F6D07/0/SmallScaleBioenergy\\_DRAFT\\_04092013.pdf](http://www.cpuc.ca.gov/NR/rdonlyres/9ABE17A5-3633-4562-A6DA-A090EB3F6D07/0/SmallScaleBioenergy_DRAFT_04092013.pdf)

This report is designed to provide a high-level overview of the SB 1122-eligible small-scale bioenergy market in California, including an evaluation of resource potential and costs, in addition to providing an implementation assessment of the statute within the state's existing FIT program structure.

### **Purpose of Today's Workshop:**

The purpose of this workshop is to engage stakeholders in an informal discussion with Energy Division staff and Black & Veatch to improve the draft consultant study noted above. Specifically, Energy Division staff seeks input from stakeholders on: (1) the resource potential estimates, (2) LCOE estimates, (3) potential market and regulatory barriers to implementation of SB 1122, and (4) potential technology allocations by IOU to implement SB 1122.

## WORKSHOP AGENDA

### **A. Introduction and Overview**

**9:30-9:45**

#### Project Overview (Adam Schultz – CPUC)

- Welcome, introductions, & housekeeping
- In scope vs. Out of scope
- Overview of workshop agenda
- Overview of SB 1122 and CPUC Implementation

## Workshop Agenda – Small-scale Bioenergy: Potential, Costs, and FIT Implementation

### B. Bioenergy Resource Potential: 9:45-10:45

Resource Potential (Scott Olson – B&V) 9:45-10:15

- Feedstock definitions
- Resource and technology assumptions
- Category 1 resources
  - WWTP, low solids green waste
- Category 2 resources
  - Dairy manure, agricultural residues, high solids food processing waste
- Category 3 resources
  - Sustainable forest management byproducts
- Summary of resource potential

Q&A: Resource Potential (Adam Schultz – CPUC, Scott Olson – B&V) 10:15-10:45

### BREAK 10:45-11:00

### C. Small-Scale Bioenergy Cost Estimates: 11:00-12:15

Cost Analysis (Scott Olson – B&V) 11:00-11:30

- Intent of analysis, assumptions, and high-level ReMAT overview
- Category 1 resources
  - WWTP, low solids green waste
- Category 2 resources
  - Dairy manure, agricultural residues, high solids food processing waste
- Category 3 resources
  - Sustainable forest management byproducts
- LCOE summary

Q&A: Cost Analysis (Adam Schultz – CPUC, Scott Olson – B&V) 11:30-12:15

### LUNCH BREAK 12:15-1:15

### D. Feed-in Tariff Implementation Assessment 1:15-2:30

FIT Implementation Assessment (Scott Olson – B&V) 1:15-1:45

- Overview of potential implementation and technical issues

## Workshop Agenda – Small-scale Bioenergy: Potential, Costs, and FIT Implementation

- Potential concerns with ReMAT application requirements
- Potential interconnection barriers
- Statutory interpretation of SB 1122

Q&A: FIT Implementation Assessment (*Adam Schultz – CPUC, Scott Olson – B&V*) 1:45-2:30

**BREAK** 2:30-2:45

**E. SB 1122 Technology Allocation Options** 2:45-4:00

SB 1122 Technology Allocation (*Scott Olson – B&V*) 2:45-3:15

- SB 1122 allocation targets – by peak load, by technology
- Overview of allocation options
- Option 1: Proportional by load
- Option 2: By resource availability
- Option 3: By resource availability, modified for market competition
- Other options currently non-compliant with SB 1122
- Summary of allocation options

Q&A: SB 1122 Allocation Options (*Adam Schultz – CPUC, Scott Olson – B&V*) 3:15-4:00

**F. Wrap Up** 4:00-4:15

Wrap Up (*Adam Schultz – CPUC*)

- High level summary of issues raised at workshop
- Next steps: Revised consultant study, staff proposal on SB 1122 implementation, proposed decision