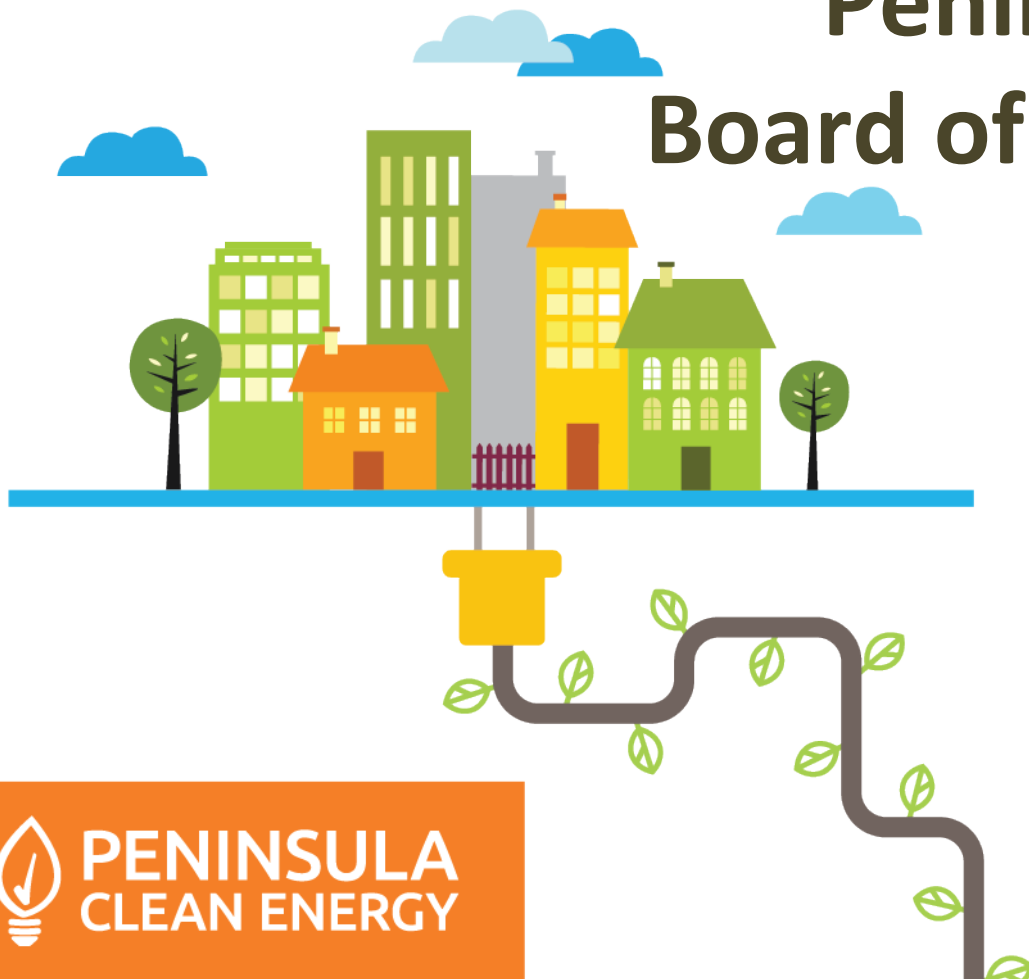


Peninsula Clean Energy Board of Directors Meeting

August 24, 2017



Agenda

Call to order / Roll call

Public Comment

Action to set the agenda and approve consent items

Regular Agenda

1. Chair Report (Discussion)

Regular Agenda

2. CEO Report (Discussion)

Recruiting Update

- We have hired a Director of Finance and Administration
 - Expected start date of September 23
- About to hire:
 - Marketing Associate
 - Outreach Fellows (2)
- Posting for Regulatory Analyst closes August 31

PCE Updates

- We have moved!
 - Moved in on August 1
 - New address: 2075 Woodside Road, Redwood City
- Selected Pisenti & Brinker as our auditor
 - Will conduct FY 16 and FY17 audits now; FY18 and FY19 in future

PCE Board Retreat - Overview

- Replaces September 28 board meeting
- Will be held at new PCE offices – 9 am to 2 pm
- Tentative discussion items:
 - Integrated Resource Plan
 - Local Program Development Criteria
 - Marketing Strategy
 - PCE Organizations and Staffing Plan

Regular Agenda

3. Citizens Advisory Committee Report (Discussion)

Regular Agenda

4. Marketing and Outreach Report (Discussion)

Regular Agenda

5. Direct PCE Staff to pursue Green-e Certification (Action)

Regular Agenda

6. Direct PCE Staff to pursue participation in The Climate Registry as a means of better serving our large customers who use a greenhouse gas accounting protocol (Action)

Regular Agenda

7. Adopt the Schedule “S” Standby Rate (Action)

8. Regulatory and Legislative Report

August 24, 2017

Joseph Wiedman
Senior Regulatory/Legislative Analyst



August Regulatory Activities

– “August” Filings

- CalCCA filed **Comments** on PCIA OIR on July 31st in R.17-06-026 (PCIA OIR).
- CalCCA filed **Testimony** on July 28th in R.03-10-003 (CCA Bond Methodology).
- CalCCA filed **Comments** on July 31st in Docket No. 16-OIR-05 (AB 1110 Implementation).

– Other Regulatory Activities

- July 27th – CPUC workshop on IRP modeling. Joseph Wiedman and Eric Wiener attended.
- July 31st – CalCCA meeting regarding legislative strategy. Joseph Wiedman, Jan Pepper, Dave Pine and David Burrito attended.
- August 3rd – CalCCA met with Comm. Peterman to discuss PCIA OIR. Jan Pepper and Joseph Wiedman attended.

August Legislative Activities

- August 23rd – Senate Energy, Utilities & Communications hearing on CCA status and growth. Geof Syphers represented CalCCA. Joseph Wiedman attended.

Regular Agenda

9. Authorize the Chief Executive Officer to execute a Power Purchase Agreement (PPA) for Renewable Supply with RE Mustang Two Whirlaway LLC, and any necessary ancillary documents. Power Delivery Term: December 31, 2019 to December 30, 2034, in an amount not to exceed \$220,000,000 (Action)

RECURRENT ENERGY

A subsidiary of Canadian Solar

INTRODUCTION TO RECURRENT ENERGY

PCE BOARD MEETING

8.24.2017

RECURRENT ENERGY BUSINESS OVERVIEW



- Leading solar project developer and U.S. project development arm of Canadian Solar
- Over **\$8B** in capital secured to date from leading lenders and investors active in the energy sector
- Proven access to capital through a network of financial partners that enables us to deliver utility solar at any scale
- **4 GWp** project pipeline, more than **2.1 GWp** of power contracts executed, more than **1.9 GWp** operating
- Committed and proven partner to the communities where we develop projects
- Recurrent Energy was the first developer to project finance a 100% CCA offtake solar project
 - 3 PPAs with Marin Clean Energy; 1 PPA with Sonoma Clean Power

RECURRENT ENERGY

MUSTANG TWO SOLAR PV PROJECT



- 150 MWac solar PV project
 - 100 MWac delivered to PCE starting 2019
- Located in Kings County, CA
- Connects into Mustang Switching Station (built by Recurrent Energy for PG&E)
- Site control and executed interconnection agreement
- Executed 5-craft Project Labor Agreement
- Conditional Use Permit (CUP) under review; expected in Q1 2018
- Construction will begin 2018; commercial operation in 2019
- Estimated 400 peak construction jobs
- 1 operating project nearby; 1 additional project in development in the same location

RECURRENT ENERGY

A subsidiary of Canadian Solar

CONTACT **COLIN CARDWELL**

P: 415.515.7910

F: 415.675.1501

COLIN.CARDWELL@RECURRENTENERGY.COM

www.recurrentenergy.com

Regular Agenda

10. Approve Resolution delegating authority to the Chief Executive Officer to Attest to the Accuracy of the Information Provided in PCE's 2016 Power Content Label (Action)

2016 Power Content Label

- **Recommendation:**

- Approve Resolution delegating authority to the Chief Executive Officer to Attest to the Accuracy of the Information Provided in PCE's 2016 Power Content Label. (Action)
- California Public Utilities Code requires all retail sellers of electric energy, including Peninsula Clean Energy, to disclose “accurate, reliable, and simple-to-understand information on the sources of energy” that are delivered to their respective customers.
- The format for the required communications is highly prescriptive, offering little flexibility to retail sellers when presenting such information to customers.
- The PCL will be presented to all customers enrolled with PCE as of December 31, 2016.

2016 Power Content Label

2016 POWER CONTENT LABEL			
Peninsula Clean Energy			
ENERGY RESOURCES	ECOplus	ECO100	2016 CA Power Mix**
Eligible Renewable	58%	100%	25%
Biomass & waste	0%		2%
Geothermal	0%		4%
Small hydroelectric	18%		2%
Solar	0%		8%
Wind	40%	100%	9%
Coal	0%		4%
Large Hydroelectric	27%		10%
Natural Gas	0%		37%
Nuclear	0%		9%
Other	0%		0%
Unspecified sources of power*	15%		15%
TOTAL	100%	100%	100%
<p>* "Unspecified sources of power" means electricity from transactions that are not traceable to specific generation sources.</p> <p>** Percentages are estimated annually by the California Energy Commission based on the electricity sold to California consumers during the identified year.</p>			
For specific information about this electricity product, contact:		Peninsula Clean Energy 1-866-966-0110	
For general information about the Power Content Label, contact the California Energy Commission at:		California Energy Commission 844-421-6229 http://www.energy.ca.gov/pcl/	

Regular Agenda

11. Review Draft Integrated Resource Plan (IRP) (Discussion)

PCE's 2017 Integrated Resource Plan (IRP)

Board of Directors
August 24, 2017



2017 IRP Schedule

Date	Event
Thursday, August 24	Discussion at August Board Meeting
Saturday, September 23	Update at September Board Retreat
Thursday, October 19	Approval Version of IRP Distributed to Board Members
Thursday, October 26	Approval Requested at October Board Meeting

Draft IRP Contents

- Executive Summary and Policies
- Electric Load Forecast
- Procurement Principles and Targets
- Procurement Methods
- Developing Local Resources

Executive Summary and Policies

- Summary: the IRP addresses how PCE will:
 - Meet its policy objectives over a ten-year planning period, 2017-2026
 - Fulfill key regulatory mandates and voluntary procurement targets related to renewable, GHG-free and conventional (non-renewable) energy
 - Manage a portfolio of energy and capacity resources to meet PCE's targets for ECOplus, ECO100 and GHG-free products
- Policies: the IRP states the Board-approved policies relating to power resources, and identifies additional policy questions including:
 - Should PCE own generation facilities? If so, what criteria should apply?
 - How much should PCE be exposed to the market for its procurement?
 - Should PCE have a Feed-in Tariff (FIT) program?
 - How should PCE approach meeting additional regulatory mandates, such as the energy storage mandate, and others?

PCE 2017 Estimated Resource Mix

2017 Resource Mix
EcoPlus



■ Biomass ■ Geothermal ■ Small Hydro ■ Solar ■ Wind ■ Large Hydro ■ Conventional Energy

2017 Resource Mix
Eco100



■ Biomass ■ Geothermal ■ Small Hydro ■ Solar ■ Wind

Regular Agenda

12. Board Members' Reports (Discussion)

Regular Agenda

Adjourn