MEETING of the Community Advisory Committee of the Clean Power Alliance of Southern California

Thursday, July 11, 2019
1:00 p.m.
555 W. 5th Street, 35th Floor,
Los Angeles, CA, 90013

Meetings are accessible to people with disabilities. Individuals who need special assistance or a disability-related modification or accommodation to participate in this meeting, or who have a disability and wish to request an alternative format for the meeting materials, should contact Christian Cruz at least two (2) working days before the meeting at ccruz@cleanpoweralliance.org or (213) 269-5870. Notification in advance of the meeting will enable us to make reasonable arrangements to ensure accessibility to this meeting and the materials related to it.

PUBLIC COMMENT POLICY: The General Public Comment item is reserved for persons wishing to address the Committee on any Clean Power Alliance-related matters not on today’s agenda. Public comments on matters on today’s Consent Agenda and Regular Agenda shall be heard at the time the matter is called. Comments on items on the Consent Agenda are consolidated into one public comment period. As with all public comment, members of the public who wish to address the Committee are requested to complete a speaker’s slip and provide it to Clean Power Alliance staff at the beginning of the meeting but no later than immediately prior to the time an agenda item is called.

Each speaker is limited to two (2) minutes (in whole minute increments) per agenda item with a cumulative total of five 5 minutes to be allocated between the General Public Comment, the entire Consent Agenda, or individual items in the Regular Agenda. Please refer to Policy No. 8 – Public Comment for additional information.

In addition, members of the Public are encouraged to submit written comments on any agenda item to publiccomment@cleanpoweralliance.org. To enable an opportunity for review, written comments should be submitted at least 72 hours but no later than 24 hours in advance of the noticed Committee meeting date. Any written materials submitted thereafter will be distributed to the Committee at the meeting. Any written
Clean Power Alliance Community Advisory Committee  
July 11, 2019

submissions must specify the Agenda Item by number, otherwise they will be considered General Public Comment.

Members of the public may also participate in this meeting remotely at the following addresses:

Ventura County Government Center  
Channel Islands Conference Room, 4th Floor Hall of Administration  
800 South Victoria Avenue, Ventura, CA 93009

Whittier City Hall – Admin Conference Room  
13230 Penn Street, Whittier, CA 90602

I. WELCOME AND ROLL CALL

II. GENERAL PUBLIC COMMENT

III. REGULAR AGENDA

1. Approve Minutes from June 13, 2019 Community Advisory Committee Meeting

2. Staff Update on Bills in 2019/2020 Legislative Session

3. Provide Input on Distributed Energy Resource (DER) Pilot Program

4. Staff Update on CPA’s Residential (Phase 3) and Non-Residential (Phase 1, 2, and 4) Rollout, Financial Dashboard, Recent Power Purchase Agreements (PPAs), and Other Activities

IV. COMMITTEE MEMBER COMMENTS

V. ITEMS FOR FUTURE AGENDAS

VI. ADJOURN – NEXT MEETING ON SEPTEMBER 12, 2019

Public Records: Public records that relate to any item on the open session agenda for a regular Committee Meeting are available for public inspection. Those records that are distributed less than 72 hours prior to the meeting are available for public inspection at the same time they are distributed to all, or a majority of, the members of the Committee. The Board has designated Clean Power Alliance, 555 W. 5th Street, 35th Floor, Los Angeles, CA 90013, as the location where those public records will be available for inspection. The documents are also available online at www.cleanpoweralliance.org.
MEETING of the Community Advisory Committee of the
Clean Power Alliance of Southern California
Thursday, June 13, 2019, 1:00 p.m.

MINUTES

555 W. 5th Street
Los Angeles, CA 90013

Ventura County Government Center
Channel Islands Conference Room, 4th Floor Hall of Administration
800 South Victoria Avenue, Ventura, CA 93009

Whittier City Hall – Admin Conference Room
13230 Penn Street, Whittier, CA 90602

I. WELCOME AND ROLL CALL

Chair David Haake called the meeting to order and Christian Cruz, Community Outreach Manager, conducted roll call.

<table>
<thead>
<tr>
<th>East Ventura/West LA County</th>
<th>Angus Simmons (Vice Chair)</th>
<th>Present</th>
</tr>
</thead>
<tbody>
<tr>
<td>East Ventura/West LA County</td>
<td>Laura Brown</td>
<td>Remote</td>
</tr>
<tr>
<td>East Ventura/West LA County</td>
<td>Rocio Gonzalez</td>
<td>Absent</td>
</tr>
<tr>
<td>San Gabriel Valley</td>
<td>Richard Tom</td>
<td>Present</td>
</tr>
<tr>
<td>San Gabriel Valley</td>
<td>Robert Parkhurst (Vice Chair)</td>
<td>Present</td>
</tr>
<tr>
<td>West/Unincorporated Ventura County</td>
<td>Lucas Zucker</td>
<td>Remote</td>
</tr>
<tr>
<td>West/Unincorporated Ventura County</td>
<td>Steven Nash</td>
<td>Remote</td>
</tr>
<tr>
<td>South Bay</td>
<td>Vacant</td>
<td></td>
</tr>
<tr>
<td>South Bay</td>
<td>Vacant</td>
<td></td>
</tr>
<tr>
<td>Gateway Cities</td>
<td>Jaime Abrego</td>
<td>Absent</td>
</tr>
</tbody>
</table>
II. GENERAL PUBLIC COMMENT
There were no general public comments.

III. REGULAR AGENDA
1. Approved Minutes from May 9, 2019 Community Advisory Committee Meeting

Motion: Cris Gutierrez, Westside
Second: Robert Parkhurst, San Gabriel Valley
Vote: Item 1 was approved by unanimous roll call vote.

IV. COMMITTEE MEMBER COMMENTS
There were no Committee Member comments.

V. ITEMS FOR FUTURE AGENDAS
There was no discussion on future agenda items.

VI. ADJOURN
Chair David Haake adjourned the meeting to the Local Programs Goal Setting Process Workshop.
SUMMARY
CPA staff will provide an update on the status of current legislation that CPA has taken positions on, including:

- **SB 355 (Portantino)**, would allow non-elected alternate members of CPA’s Board of Directors to participate in closed session discussion. CPA position: Sponsor and support.

- **AB 56 (E. Garcia)**, attempts to create a statewide central buyer model for energy to address perceived gaps in renewables procurement. This is in contrast to a central buyer for residual resource adequacy, which under the right conditions may be of benefit to CCAs and the state’s broader policy goals. CPA position: Oppose.

- **SB 155 (Bradford)**, would allow the CPUC to review the Integrated Resource Plan (IRP) from each load-serving entity (LSE), and enforce the requirement that the IRP of each LSE shall contribute to a diverse and balanced portfolio. CPA position: Oppose, unless amended.

- **SB 638 (Allen)**, removes the requirement that a renter must maintain a $1 million general liability insurance policy in order to install an electric vehicle charging station at their allotted parking space. CPA position: Support.
• **SB 774 (Stern),** would promote investment in and deployment of microgrids to increase resiliency, but needs to be amended to appropriately enable CCAs to be active in this space.
  CPA position: Support, if amended.

• **AB 1144 (Friedman),** would require the CPUC to reserve 10% of funds collected for the self-generation incentive program (SGIP) to be allocated to pilot projects for the installation of community energy storage systems in communities within high fire threat districts.
  CPA position: Support.

CPA staff will also provide a report on recent activities taking place in Sacramento and San Francisco.
DER Pilot Program Update

July 11, 2019
Background

• CPA is working with Calpine Energy Solutions and Olivine to implement a Distributed Energy Resources (DER) Pilot Program, expected to launch by January 2020

• The DER Pilot Program will allow CPA to develop critical learning and capabilities in the DER space and inform the broader deployment of local programs

• During April – June, CPA has been working to evaluate various DER Pilot program options

• Today, Staff is seeking input from the Community Advisory Committee on its proposed Pilot program pillars
Work Plan

- CPA, Olivine, and Calpine are currently working together to meet a 2020 DER Pilot Program launch date

**Phase 1**
- March 25 – June 14
  - Evaluate DER program options
  - Identify best practices
  - Conduct deep dive analysis on top 3

**Phase 2**
- June 15 – August 31
  - Select pilot
  - Develop design and implementation plan
  - Conduct consumer focus or test groups

**Phase 3**
- September 6 – Jan 2020
  - Board approves DER Pilot Program
  - Execute DER Mgmt. Agreement
  - Conduct marketing and customer outreach
DER Pilot Program Goals

• Achieves CPA policy objectives
  – Includes air quality and public health, GHG reduction, target DACs, renewable integration, local needs and resilience, economic development

• Achieves benefits to CPA and customers, including rate savings

• Scalable and targets a diverse set of customer segments

• Allows CPA to test wholesale market participation

• Implementable (ease of adoption, technology maturity, etc.)

• $1.49M budget: Mixture of new infrastructure installation and leveraging existing infrastructure to minimize costs
Proposed DER Pilot Program

- The program would be comprised of four pillars:

<table>
<thead>
<tr>
<th>Description</th>
<th>Target Segment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EV Charging</strong></td>
<td>Commercial &amp; Municipal</td>
</tr>
<tr>
<td>Incentivizes customers to shed EV charging load during peak times</td>
<td></td>
</tr>
<tr>
<td><strong>Solar + Storage</strong></td>
<td>Residential &amp; Commercial</td>
</tr>
<tr>
<td>Pairs onsite solar with battery to help customers manage costs and help CPA shift load</td>
<td></td>
</tr>
<tr>
<td><strong>Smart Home</strong></td>
<td>Residential, including DAC</td>
</tr>
<tr>
<td>Allows CPA to control customer load with smart technology</td>
<td></td>
</tr>
<tr>
<td><strong>DAC Community Solar</strong></td>
<td>DAC Residential</td>
</tr>
<tr>
<td>Low-income residents purchase energy from a solar array at a discounted price</td>
<td></td>
</tr>
</tbody>
</table>
**EV Charging**

- Commercial and municipal customers with existing EV smart charging infrastructure will participate in CPA curtailment events that will reduce their EV charging load by 10% during the evening peak ramp-up period (5pm-9pm).
- Events followed by two-hour load recovery period.
- Customers receive a monthly or yearly incentive for participation ($20/month or $240/year).
- CPA benefits through avoided RA and wholesale energy costs. Also assumes revenue from CPA bidding event capacity into wholesale market.

**Value Rank to CPA:** 1

**Value Rank to Customer:** 1

**Target Segments:** Commercial and Municipal

**Estimated participation:** 40 customers
Solar + Storage

- Residential and commercial customers pay a $/kWh price for solar and a yearly lease on a battery to shift their load from low price periods in the middle of the day to higher priced time in evening.
- Customers charge battery with solar during low price periods and discharge battery during evening peak (4pm-9pm)
- Provides energy savings for customers, and additional demand charge savings for commercial customers (additional incentives could be provided in the form of decreased PPA price or battery lease costs to attract participation).*
- CPA benefits through avoided RA costs and ability to call on battery capacity when wholesale prices are high.

*TOU-GS-2 customers receive an additional yearly participation incentive to reach cost-effectiveness.

Value Rank to CPA: 2
Value Rank to Customer: 3
Target Segments: Residential & Commercial
Projected participation: 1000 Residential customers, 960 Commercial customers

DER Type: (Distributed generation/storage, load shift)
Smart Home

- The smart home program is anchored by a smart thermostat which will produce energy savings for customers throughout the cooling period in exchange for participating in load control events called by CPA during the evening ramp (5-9pm)
- Further customer reduction benefits and curtailment possibility with other optional smart home load controls (smart plug(s), multi-purpose sensors, occupancy sensors and/or dimmer switches)
- CPA to provide $50 enrollment incentive for smart thermostat / $75 enrollment incentive for additional smart home controls
- CPA benefits through avoided RA costs and ability to activate load control events when wholesale prices are high. Also assumes revenue from CPA will bidding event capacity into wholesale market

Value Rank to CPA: 3

Value Rank to Customer: 2

Target Segment: Residential

Projected participation:
- 1,000 w existing t-stat
- 1,000 w new t-stat
- 1,000 w new t-stat + optional controls

DER Type: (Load control, energy efficiency)
DAC Community Solar

- Community solar programs are local solar arrays (front of the meter), sometimes on brownfield sites, used to serve multiple customers. Total system cost ideally lower than rooftop systems due to greater economies of scale.
- Programs are geared towards residential customers without suitable site for solar (renters, people with inadequate roof, lower-income, etc).
- Customers subscribe to a portion of total system output in return for bill credits or reduced $ per kWh energy cost.
- CPA able to utilize funds available through the CPUC for projects that are both sited within and benefitting subscribers in a DAC.
- CPA benefits through avoided RA costs, some limited wholesale energy savings, and customer PPA payments.

Value Rank to CPA: 4
Value Rank to Customer: 4
Target Segment: Residential DACs
Projected participation: TBD – Depends on level of CPUC funding

DER Type: (Distributed generation)
Summary and Next Steps

• Staff to incorporate the Committee’s feedback on the proposed DER Pilot Program pillars

• A detailed implementation plan will be developed for the DER Pilot during July and August
  • Will include more detailed budgeting for implementation during FY19-20 and first years of selected programs

• A final DER Pilot Program proposal will be presented to the Board of Directors in September 2019
To: Clean Power Alliance (CPA) Community Advisory Committee
From: Ted Bardacke, Executive Director
Subject: CPA Staff Update
Date: July 11, 2019

SUMMARY
CPA staff will provide an update on CPA’s Residential (Phase 3) and Non-Residential (Phase 1, 2, and 4) rollout progress, current financial statements, and recently approved Power Purchase Agreements (PPAs) for solar and small hydro projects, along with other operational activities.