![Peninsula Clean Energy logo]

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**REGULAR MEETING of the Executive Committee of the
Peninsula Clean Energy Authority (PCEA)
Monday, June 14, 2021
10:00 a.m.**

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==**PLEASE NOTE: for Video conference: https://meetings.ringcentral.com/j/1477441497
for Audio conference: dial +1(623) 404-9000,
then enter the Meeting ID: 147 744 1497 followed by #
You will be instructed to enter your participant ID followed by #.
NOTE: Please see attached document for additional detailed teleconference instructions.**==

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PCEA shall make every effort to ensure that its video conferenced meetings are accessible to people with disabilities as required by Governor Newsom's March 17, 2020 Executive Order N-29-20. Individuals who need special assistance or a disability-related modification or accommodation (including auxiliary aids or services) to participate in this meeting, or who have a disability and wish to request an alternative format for the agenda, meeting notice, agenda packet or other writings that may be distributed at the meeting, should contact Shayna Barnes, Operations Specialist, at least 2 working days before the meeting at sbarnes@peninsulacleanenergy.com. Notification in advance of the meeting will enable PCEA to make best efforts to reasonably accommodate accessibility to this meeting and the materials related to it.

If you wish to speak to the Executive Committee, please use the "Raise Your Hand" function on the RingCentral platform. If you have anything that you wish to be distributed to the Executive Committee and included in the official record, please send to sbarnes@peninsulacleanenergy.com.

CALL TO ORDER / ROLL CALL

PUBLIC COMMENT
This item is reserved for persons wishing to address the Committee on any PCEA-related matters that are as follows: 1) Not otherwise on this meeting agenda; 2) Listed on the Consent Agenda; 3) Chief Executive Officer's or Staff Report on the Regular Agenda; or 4) Committee Members' Reports on the Regular Agenda. Public comments on matters not listed above shall be heard at the time the matter is called.

As with all public comment, members of the public who wish to address the Committee shall be given an opportunity to do so by the Committee Chair during the videoconference meeting. Speakers are customarily limited to two minutes, but an extension can be provided to you at the discretion of the Committee Chair.

ACTION TO SET AGENDA AND TO APPROVE CONSENT AGENDA ITEMS
This item is to set the final consent and regular agenda, and for approval of the items listed on the consent agenda. All items on the consent agenda are approved by one action.

REGULAR AGENDA

1. Chair Report (Discussion)

2. CEO Report (Discussion)

3. Approve EV Managed Charging Pilot (Action)

4. Disadvantaged Community Solar Program (DAC-GT) Update (Discussion)

5. Committee Members' Reports (Discussion)

CONSENT AGENDA

6. Approval of the Minutes for the May 10, 2021 Meeting (Action)

Public records that relate to any item on the open session agenda for a regular board 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 members, or a majority of the members of the Board. The Board has designated the Peninsula Clean Energy office, located at 2075 Woodside Road, Redwood City, CA 94061, for the purpose of making those public records available for inspection. The documents are also available on the PCEA's Internet Web site. The website is located at: http://www.peninsulacleanenergy.com.

Instructions for Joining a RingCentral Meeting via Computer or Phone

Best Practices:
- Please mute your microphone when you are not speaking to minimize audio feedback
- If possible, utilize headphones or ear buds to minimize audio feedback
- If participating via videoconference, audio quality is often better if you use the dial-in option (Option 1 below) rather than your computer audio

Options for Joining
A. **Videoconference with Phone Call Audio (*Recommended*) – see Option 1 below**
B. **Videoconference with Computer Audio – see Option 2 below**
C. **Calling in from iPhone using one-tap – see Option 3 below**
D. **Calling in via Telephone/Landline – see Option 4 below**

Videoconference Options:
Prior to the meeting, we recommend that you install the RingCentral Meetings application on your computer by clicking here: https://www.ringcentral.com/apps/rc-meetings

If you want full capabilities for videoconferencing (audio, video, screensharing) you must download the RingCentral application.

Option 1 Videoconference with Phone Call Audio (Recommended):

1. From your computer, click on the following link:
   https://meetings.ringcentral.com/j/1477441497
2. The RingCentral Application will open on its own or you will be instructed to Open RingCentral Meetings.
3. After the application opens, the pop-up screen below will appear asking you to choose ONE of the audio conference options. Click on the Phone Call option at the top of the pop-up screen.
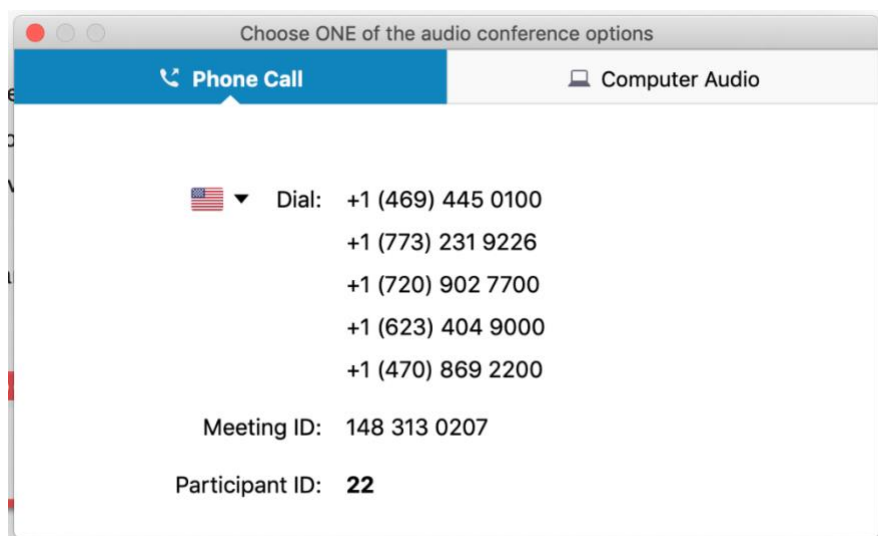

IMPORTANT: Please do not use the Participant ID that is in the picture to the left. Enter the Participant ID that appears on your own personal pop-up.

4. Please dial one of the phone numbers for the meeting (it does not matter which one):
   - +1 (623) 404 9000
   - +1 (469) 445 0100
   - +1 (773) 231 9226
   - +1 (720) 902 7700
   - +1 (470) 869 2200
5. You will be instructed to enter the meeting ID: **147 744 1497 followed by #**
6. You will be instructed to enter in your **Participant ID followed by #.** Your Participant ID is unique to you and is what connects your phone number to your RingCentral account.
7. After a few seconds, your phone audio should be connected to the RingCentral application on your computer.
8. In order to enable video, click on "Start Video" in the bottom left hand corner of the screen. This menu bar is also where you can mute/unmute your audio.

Option 2 Videoconference with Computer Audio:

1. From your computer, click on the following link:
   https://meetings.ringcentral.com/j/1477441497
2. The RingCentral Application will open on its own or you will be instructed to Open RingCentral Meetings.
3. After the application opens, the pop-up screen below will appear asking you to choose ONE of the audio conference options. Click on the Computer Audio option at the top of the pop-up screen.
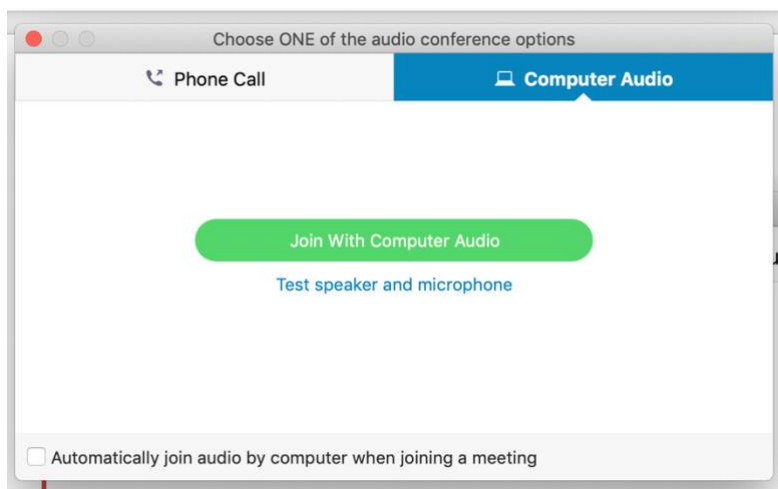
4. Click the green **Join With Computer** Audio button
5. In order to enable video, click on "Start Video" in the bottom left hand corner of the screen. This menu bar is also where you can mute/unmute your audio.

Audio Only Options:

Please note that if you call in/use the audio only option, you will not be able to see the speakers or any presentation materials in real time.

Option 3: Calling in from iPhone using one-tap

Click on one of the following "one-tap" numbers from your iPhone. Any number will work, but dial by your location for better audio quality:

+1(623)4049000,,147 744 1497# (US West)

+1(720)9027700,,1477441497# (US Central)
+1(773)2319226,,1477441497# (US North)
+1(469)4450100,,1477441497# (US South)
+1(470)8692200,,1477441497# (US East)

This is the call-in number followed by the meeting ID. Your iPhone will dial both numbers for you.

You will be instructed to **enter your participant ID followed by #**

If you do not have a participant ID or do not know it, you can stay on the line and you will automatically join the meeting

Option 4: Calling in via Telephone/Landline:

Dial a following number based off of your location:

+1(623)4049000 (US West)

+1(720)9027700 (US Central)
+1(773)2319226 (US North)
 +1(469)4450100 (US South)
 +1(470)8692200 (US East)

You will be instructed to enter the **meeting ID: 147 744 1497 followed by #**

You will be instructed to enter your **participant ID followed by #**.

If you do not have a participant ID or do not know it, you can stay on the line and you will automatically join the meeting.

PENINSULA CLEAN ENERGY
JPA Board Correspondence

DATE: June 7, 2021
BOARD MEETING DATE: June 14, 2021
SPECIAL NOTICE/HEARING: None
VOTE REQUIRED: None

TO: Honorable Peninsula Clean Energy Authority Executive Committee

FROM: Jan Pepper, Chief Executive Officer, Peninsula Clean Energy
            Rafael Reyes, Director of Energy Programs

SUBJECT: Electric Vehicle Managed Charging Pilot, Phase 2

RECOMMENDATION

Executive Committee recommendation of approval to the Board for the proposed Electric Vehicle Managed Charging Pilot, Phase 2, for a total of $550,000 over two years.

BACKGROUND

Peninsula Clean Energy's mission is to reduce greenhouse gas (GHG) emissions in San Mateo County and California's goal is to be carbon neutral by 2045, which PCE aims to support through investment in local community programs. Transportation emissions are the most significant challenge to deep decarbonization in San Mateo County. These emissions account for about 50% of direct emissions within the County and are still increasing. Approximately 40% of transportation emissions are from local commercial, rental, and government fleets that range from light-duty passenger vehicles to heavy-duty trucks.

To support decarbonization efforts, the Board approved the PCE Program Roadmap in September 2018, which identifies programs for 2019 and beyond to include transportation electrification measures, such as new and used vehicle purchase incentives, a multi-year electric vehicle (EV) infrastructure program, fleets, and new and shared mobility. Furthermore, in support of PCE's effort to provide 100% renewable energy on a 24/7 time-coincident basis, the Programs team has developed strategies to shift energy demand away from times that are more difficult to provide renewable energy. EV charging is a good example of shiftable load and the Programs team has explored various technologies to reduce on-peak charging, which represents the greatest challenge in providing time-coincident renewable electricity, and is now proposing to advance this strategy further.

DISCUSSION

Programs staff has investigated strategies to shift EV charging away from the day-to-day evening ramp up hours, in support of PCE's time-coincident renewable energy goal. Residential managed charging was selected as the primary focus for this strategy as the load profile for unmanaged residential charging provides significant peak-energy reduction potential during the early evening hours. Managed charging using on-board vehicle telematics, which transmit data directly from the vehicle and allow for controls to the vehicle to start or stop charging based on parameters set by PCE, was determined to be the optimal approach as it doesn't require the use of residential smart chargers. Since these smart chargers are uncommon compared to conventional Level 1 and non-internet connected Level 2 charging at home, the use of telematics allows for greater scaling potential. Managing charging through vehicle telematics is a new and innovative approach to load shifting and PCE staff determined that a multi-phase pilot was necessary to verify the approach and gain insight that can lead to a scaled program in the future.

From Q1 – Q2 2020, PCE led a proof-of-concept pilot with FlexCharging, a telematics-based managed charging platform, to determine the viability of managed charging through vehicle telematics. The pilot demonstrated a reduction of on-peak charging by 50%, supplied valuable data on residential charging behavior such as the prevalence of Level 1 charging (43% of residential charging), verified potential to use telematics data in the California Low Carbon Fuel Standard, and provided lessons learned into the use and scalability of this approach to managed charging. Staff determined that this pilot was a successful demonstration and recommend utilizing telematics as the technical pathway for a phase 2 pilot.

Staff is proposing a second phase of the EV Managed Charging pilot to further verify the load shifting potential demonstrated in phase 1 and experiment with various customer incentives to determine which, if any, are critical to ongoing charge management. Phase 2 would be a significant increase in scale to phase 1, enrolling approximately 2,000 customers with EVs for a 9-month pilot. The experiment will test various customer incentives such as a flat bill credit or a reduced off-peak rate, to determine what impact these have on participation in a charge management program and the relative impacts on peak-load reduction. Staff has collaborated with faculty from the University of California, Davis Energy and Economics Program (DEEP), a leading institution in the study of consumer energy behavior, to assist in the experimental design. The budget for phase 2 includes a research grant to UC Davis for further experimental design guidance and analysis & evaluation. Following the conclusion of this phase of the pilot, UC Davis faculty plan on submitting the results of the experiment and implications for managed charging programs to various journals and publications.

Phase 2 of the EV Managed Charging pilot will also evaluate multiple technical providers for telematics-based managed charging. Staff are proposing to release an RFP in early summer to select a vendor that can provide these services. Likely respondents include FlexCharging, ev.energy, WeaveGrid, and Rolling Energy Resources. Note: ev.energy was selected as an Innovation OnRamp partner for a similar pilot to PCE's. Staff are also exploring a partnership with a group of automakers that are utilizing the Open-Vehicle

Grid Integration Platform (OVGIP), which is a platform developed by the Electric Power Research Institute (EPRI) as a possible additional technical pathway.

The budget for phase 2 of the EV Managed Charing pilot is $550,000 over the course of two years. The funding would cover incentives, software subscriptions, and design and analysis by the research group. The budget detail is still evolving and will be discussed during the Committee meeting. The request to the Board of Directors is for approval of the program. Staff will also seek approval from the Board for approval of a contract with UC Davis for the purpose of providing a research grant and will return to the Board for approval to execute a contract with the managed charging platform provider in the future.

FISCAL IMPACT:
Up to $550,000 over 2 years (Fiscal Year 2021-2022 through Fiscal Year 2022-2023) for Phase 2 of the EV Managed Charging Pilot.

**REGULAR MEETING of the Executive Committee of the
Peninsula Clean Energy Authority (PCEA)
Monday, May 10, 2021
MINUTES**

10:00 a.m.

Peninsula Clean Energy
Video conference and teleconference

CALL TO ORDER

Meeting was called to order at 10:01 a.m.

ROLL CALL

Present: Rick DeGolia, Town of Atherton, *Chair*
Donna Colson, City of Burlingame, *Vice Chair*
Julia Mates, City of Belmont
Jeff Aalfs, Town of Portola Valley
Laura Parmer-Lohan, City of San Carlos
Dave Pine, County of San Mateo
Marty Medina, City of San Bruno
Rick Bonilla, City of San Mateo
Pradeep Gupta, Director Emeritus
John Keener, Director Emeritus

Absent: Giselle Hale, City of Redwood City

Staff: Jan Pepper, CEO
Andy Stern, CFO
Phillip Kobernick, Programs Manager
Darren Goode, Public Relations Consultant
Rafael Reyes, Director of Energy Programs
Hailey Wu, Senior Financial Analyst
Kim Le, Senior Manager of Data & Technology
Marc Hershman, Director of Government Affairs
KJ Janowski, Director of Marketing and Community Relations
Siobhan Doherty, Director of Power Resources
Jennifer Stalzer Kraske, Deputy County Counsel
Shayna Barnes, Operations Specialist
Chelsea Keys, Power Resources Manager

A quorum was established.

PUBLIC COMMENT
None

ACTION TO SET AGENDA AND TO APPROVE CONSENT AGENDA ITEMS

Motion Made / Seconded: Mates/ Bonilla

Motion passed (7-0) (Absent: Hale, Parmer-Lohan)

REGULAR AGENDA

1. **CHAIR REPORT**

   Rick DeGolia, *Chair,* reported that he had established an ad hoc committee for 2021 CEO Review, consisting of himself, Jeff Aalfs, Donna Colson, and Julia Mates. Rick DeGolia described the desired process for CEO review this year.

2. **CEO REPORT**

   Jan Pepper, *CEO,* thanked Shayna Barnes, *Operations Specialist,* for stepping in as Board Clerk. Jan listed Peninsula Clean Energy's open job positions and asked the committee to share the job descriptions with their networks. Jan provided a legislative update.

3. **RECOMMEND APPROVAL TO THE BOARD OF AN UPDATE TO THE EV CHARGING INCENTIVE PROGRAM**

   Phillip Kobernick, *Program Manager*, reviewed the EV Charging Infrastructure Program "EV Ready" and current funding levels provided by Peninsula Clean Energy for EV charging retrofit projects. Phillip described the Low Carbon Fuel Standard (LCFS) program and the additional incentives available under this program that can help address gaps in funding under the preexisting EV Ready program. Phillip answered questions from committee members regarding requirements for charging stations, eligibility, and preferences for site types under the LCFS program. Phillip Kobernick asked the committee to recommend Board approval of these proposed additional EVSE (Electric Vehicle Supply Equipment) incentives.

   Motion Made/Seconded: Medina/Bonilla

   Motion Passed 8-0 (Absent: Hale)

4. **REVIEW FISCAL YEAR 2021-2022 DRAFT BUDGET**

   Andy Stern, *CFO*, reviewed the draft budget for fiscal year 2021-2022 including the schedule for review and approval, key assumptions, and details of key areas. Andy provided a review of the draft budget for fiscal years 2021-2026.

Andy Stern and Siobhan Doherty, *Director of Power Resources*, answered questions from committee members regarding volatility in PCIA (Power Charge Indifference Adjustment) forecasting and energy prices.

5. MEDIA RELATIONS UPDATE

KJ Janowski, *Director of Marketing and Community Relations*, provided an update on the contract with Peninsula Clean Energy's public relations consultant, Darren Goode. KJ reviewed key responsibilities for Darren Goode and recent media accomplishments regarding our media coverage. She described proposed amendments to the contract with Darren Goode including revisions to the scope of work and moving to an hourly billing process with a lower annual NTE (not to exceed) amount. KJ answered questions from the committee on how the revised contract will affect achieving our media goals.

6. COMMITTEE MEMBERS' REPORTS

None.

ADJOURNMENT

Meeting was adjourned at 11:13 a.m.