



**REGULAR MEETING of the Board of Directors of the
Peninsula Clean Energy Authority (PCEA)
Thursday, April 25, 2019
6:30 pm**

Peninsula Clean Energy, 2075 Woodside Road,
Redwood City, CA 94061

Meetings are accessible to people with disabilities. 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 Anne Bartoletti, Board Clerk, at least 2 working days before the meeting at abartoletti@peninsulacleanenergy.com. Notification in advance of the meeting will enable the PCEA to make reasonable arrangements to ensure accessibility to this meeting and the materials related to it. Attendees to this meeting are reminded that other attendees may be sensitive to various chemical based products.

If you wish to speak to the Board, please fill out a speaker's slip located on the tables as you enter the Board meeting room. If you have anything that you wish to be distributed to the Board and included in the official record, please hand it to a member of PCEA staff who will distribute the information to the Board members and other staff.

CALL TO ORDER / ROLL CALL

PUBLIC COMMENT

This item is reserved for persons wishing to address the Board on any PCEA-related matters that are as follows: 1) Not otherwise on this meeting agenda; 2) Listed on the Consent Agenda and/or Closed Session Agenda; 3) Chief Executive Officer's or Staff Report on the Regular Agenda; or 4) Board 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 Board are requested to complete a speaker's slip and provide it to PCEA staff. Speakers are customarily limited to two minutes, but an extension can be provided to you at the discretion of the Board Chair.

ACTION TO SET AGENDA and TO APPROVE CONSENT AGENDA ITEMS

This item is to set the final consent and regular agenda, and for the 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. Citizens Advisory Committee Report (Discussion)
4. PG&E Analysis of Financial Impacts of Bill Protection on TOU (Time of Use) Transition (Discussion)
5. Approve Appointment of up to two “Directors Emeritus” to the PCE Board (Action)
6. Approve New Liability, Directors & Officers, and Other Insurance Coverage (Action)
7. Approve New EV Dealer Incentive Program for \$1.5 Million over a term of 3 Years (Action)
8. Reach Codes Update (Discussion)
9. Schools Engagement Report (Discussion)
10. Board Members' Reports (Discussion)

CONSENT AGENDA

11. Approval of the Minutes for the March 28, 2019 Meeting (Action)

INFORMATION ONLY REPORTS

12. Marketing and Outreach Report
13. Regulatory and Legislative Report
14. Local Programs Report
15. Procurement Report

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>.



**PENINSULA CLEAN ENERGY AUTHORITY
Board Correspondence**

DATE: April 18, 2019
BOARD MEETING DATE: April 25, 2019
SPECIAL NOTICE/HEARING: None
VOTE REQUIRED: None

TO: Honorable Peninsula Clean Energy Authority (PCE) Board of Directors
FROM: Jan Pepper, Chief Executive Officer
SUBJECT: CEO Report

REPORT:

PCE Staffing Update

We are continuing to interview for the following positions: Manager of Distributed Energy Resource Strategy, Senior Financial Analyst, and Electric Vehicle Program Specialist. All positions are posted on the PCE website under "Join Our Team".

Rates Update

As noted last month, PCE will be adjusting our rates effective May 1, to coincide with PG&E's distribution rate changes that will be going into effect on May 1. This will align PCE's rates to continue the 5% discount compared to PG&E for PCE's ECOplus product.

Legislative Ad Hoc Committee

Thank you to board members Catherine Mahanpour, Rick DeGolia, and Daniel Yost, and former board member Pradeep Gupta, for meeting with PCE staff on March 28 to discuss ongoing legislation.

Marketing Ad Hoc Committee

Thank you to board members Ian Bain, Catherine Carlton, Carole Groom, and Laura Parmer-Lohan for meeting with PCE staff and the marketing consultant, Cyclops, on April 12 to discuss PCE's ongoing marketing strategy.

Action Taken to Support or Oppose Legislation per PCE Policy 1

PCE submitted letters of support for the following legislation:

- 1) Letter dated March 18, 2019 to Senate President Pro Tem Toni Atkins supporting the confirmation of Wade Crowfoot as Secretary of the California Natural Resources Agency.
- 2) Letter dated March 21, 2019 to Senator Bradford to support SB 255.
- 3) Letter dated April 4, 2019 to Senator Wiener to support SB 288.

Meetings with Board Members and City Managers

Meetings were held with:

- San Mateo County (Supervisors Carole Groom and Dave Pine, and County Manager Mike Callagy) on March 25
- Pacifica (Mayor Pro Tem Deidre Martin and Councilmember Mary Bier, and City Manager Kevin Woodhouse) on March 26
- San Carlos (Councilmembers Laura Parmer-Lohan and Sara McDowell, and City Manager Jeff Maltbie) on March 29
- Atherton (Vice Mayor Rick DeGolia and City Manager George Rodericks) on April 1
- Menlo Park (Councilmember Catherine Carlton and City Manager Starla Jerome-Robinson) on April 2
- South San Francisco (Councilmember Flor Nicolas and City Manager Mike Futrell) on April 8
- Brisbane (Mayor Madison Davis and City Manager Clay Holstine) on April 16

We will be providing additional dates to schedule meetings with additional cities at the April board meeting.

Other Meetings and Events Attended by CEO

Participated as a member of a panel titled “Living Locally, Acting Globally: Celebrating Local Climate Leaders”, organized and moderated by Woodside Mayor Daniel Yost and held at Woodside’s Independence Hall on April 2.

Attended Sustainable San Mateo County Awards Dinner, April 4.

Attended the San Mateo County Progress Seminar in Monterey on April 5 through 7, as did a number of other PCE board members, including San Mateo County Board of Supervisors President Carole Groom, who was the host of the event.

Presented an update on PCE to the SAMCEDA Public Policy Committee meeting on April 9.



**PENINSULA CLEAN ENERGY AUTHORITY
JPA Board Correspondence**

DATE: April 15, 2019
BOARD MEETING DATE: April 25, 2019
SPECIAL NOTICE/HEARING: None
VOTE REQUIRED: None

TO: Honorable Peninsula Clean Energy Authority Board of Directors
FROM: Leslie Brown, Director of Customer Care
SUBJECT: PG&E Financial Analysis of Bill Protection on Time-of-Use (TOU) Transition

BACKGROUND:

As previously discussed at the March 2019 Board meeting, PCE has been working closely with PG&E and the other active CCA's for the past year following the April 2018 Phase 1 pilot time-of-use (TOU) rollout results. Planning is well underway for the statewide Residential TOU transition that is currently set to begin in October of 2020. As part of the statewide rollout, PCE residential customers are currently scheduled to transition in September 2021.

The CPUC has set out specific guidelines regarding the process for transitioning customers to a TOU rate, including requiring that the IOU's provide bill protection for bundled customers during the first year of service after the transition. Bill protection ensures that the customer is able to try the new TOU rate schedule for a full year without worrying about whether or not it would cost more. A comparative rate analysis will be performed at the end of the first year of service and if the customer would have been charged less on the old E1 rate schedule, they will be refunded the difference. The CPUC does not have jurisdiction over the CCA's, and therefore cannot mandate that CCA's also participate in the TOU transition and offer bill protection. However, in order to provide a consistent transition experience for all customers throughout the state, CCA's are being encouraged to follow the CPUC's ruling to offer similar bill protection for the first year following transition.

Formally adopting the proposed TOU transition plan, including whether PCE will participate in bill protection, is an item that staff will bring back to the Board for a vote later this summer.

DISCUSSION:

Impact Analysis of PCE residential customer base for TOU transition

In order to help CCA's better understand and estimate the financial cost of participating in the TOU transition and offering bill protection, PG&E staff performed an impact analysis on CCA customers currently being served under the E1 residential rate schedule. Approximately 96% of PCE's residential customers are on the E1 residential rate schedule. Utilizing the assumptions outlined below, PG&E staff overlaid the new ETOU-C rate schedule on top of the 2018 E1 customer interval data for each CCA service territory.

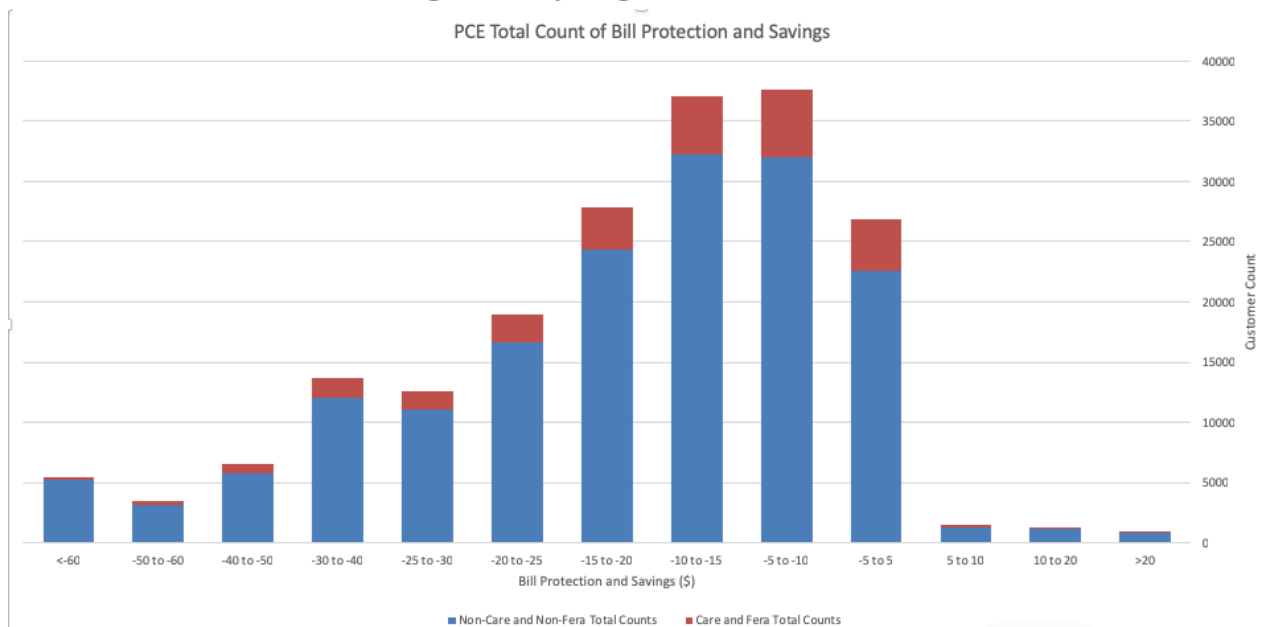
Impact Analysis Assumptions (all CCA territories)

- All eligible customers choose to participate in the transition
- Customers that were excluded from the **analysis** (and PG&E has proposed to exclude them from the transition):
 - Customers with more than 3 electric services per account
 - CARE and FERA customers that reside in a hot climate zone (No PCE customers fall into this category)
 - Medical baseline customers
 - Customers with less than 12 months of interval data
 - Customers not on the tiered rate plan
 - There are other exclusions for full transition that are not included in this analysis due to data limitations (e.g., For the full transition, CARE/FERA **eligible** customers in hot climate zones will be excluded. This analysis only excludes customers enrolled in CARE and FERA)
 - Reduction in population by up to 5% in hot climate zones
- Customers excluded from the **analysis**, although PG&E has proposed to include them in the transition:
 - Customers on a NEM (Net Energy Metering – solar) Rate
- PG&E prices effective 1/1/2019
- 2018 usage
- CCA enrollment as of the end of February 2019

In the case of PCE's service territory, it appears that a majority of our customers would be natural 'savers' on ETOU-C, even if they did not make any changes to their existing energy usage patterns, and only a small segment of customers would likely be eligible for bill protection at the end of the first year. Assuming all eligible customers chose to switch to the ETOU-C rate, roughly 8,200 customers (~4%) would potentially see a higher bill annually under the ETOU-C rate with the average bill protection amount of \$8.00 for the year.

	TOU MORE expensive than Tiered Rate	TOU LESS expensive than Tiered Rate
Estimated Annual Generation Bill Difference (\$)	\$65,581	\$3,557,749
Number of Customers Impacted	8,202	185,346
Annual Bill Impact/Customer	\$8.00	\$19.20

***Estimates are calculated with PG&E generation pricing**



A majority of PCE's customers (~66%) would likely see an average savings of \$1-\$2 per month (\$5-\$25 per year) on the ETOU-C rate schedule even if they did not take action to shift their energy usage away from the 4pm-9pm 'peak' time frame. However, there is a significant education and marketing program planned through the various notices and direct messaging that would be a part of this TOU transition as well as the larger statewide TOU marketing campaign. Therefore, it is likely that total PCE customer savings would be even higher than this projection as some customers will shift their energy usage from 'peak' to 'off-peak'.

Next Steps

Summer 2019

- PCE staff will provide an update on the results from Phase 1 rollout

By October 2019, confirm participation with PG&E for CPUC filings

- Confirm PCE TOU transition and timing
- Confirm PCE general rate structure and bill protection plans for first year of TOU operation

FISCAL IMPACT:

The projected cost risk to PCE with regards to offering one year of bill protection is fairly nominal, with a system wide cost estimated to be \$65,581 if all eligible E1 customers transitioned and energy usage patterns were identical to 2018 (i.e. no load shifting or energy reduction). The larger revenue adjustment would be the natural projected “savings” most PCE customers would realize under E-TOUC compared to the current E1 rate schedule. Based on 2018 usage patterns PCE residential customers would collectively save a projected \$3,557,749, with a majority saving between \$5-\$25 annually on their generation charges.

The PCE customer savings and cost figures were calculated using the PG&E Generation rates as a proxy. Since PCE’s Generation rates are calculated at a net 5% discount from PG&E (incorporating PCIA and Franchise Fee surcharges) the actual revenue impact to PCE would be less than the total projected customer savings.



**PENINSULA CLEAN ENERGY AUTHORITY
Board Correspondence**

DATE: April 17, 2019
BOARD MEETING DATE: April 25, 2019
SPECIAL NOTICE/HEARING: None
VOTE REQUIRED: Majority Present

TO: Honorable Peninsula Clean Energy Authority Board of Directors
FROM: Jeff Aalfs, Chair, Peninsula Clean Energy Authority
SUBJECT: Approve Appointment of up to two "Directors Emeritus" to the PCE Board

RECOMMENDATION: Approve appointment of up to two "Directors Emeritus" to the PCE Board.

BACKGROUND:

At the March 28, 2019 meeting, Peninsula Clean Energy's Board approved an amendment to the JPA (Joint Powers Authority) Agreement to allow the appointment of up to two "Directors Emeritus" to the PCE Board. The JPA was amended as follows:

3.1.1 Directors Emeritus. The Board may select up to two board directors emeritus ("Directors Emeritus"). Directors Emeritus will be selected from former directors who served on the Board with distinction and excellence. The Board may fill any vacant emeritus position(s) by a simple majority vote of Directors. The Chair may delegate the initial review of applicants and/or nominations to a committee. Directors Emeritus will serve at the pleasure of the Board for two-year terms, subject to the discretion of the Board to shorten or end a term. There shall be no limit on the number of terms held. It is the Board's intention that Directors Emeritus receive all written notices and information provided to the Board, be permitted to attend all Board meetings, be permitted to participate in committee meetings without need for an appointment, and be encouraged to attend other PCE events. Directors Emeritus will not be counted in determining if a quorum is present, will not be entitled to hold office, and will not be entitled to vote at any Board or committee meeting. Director Emeritus status does not entitle participation in closed sessions of the Board.

DISCUSSION:

The PCE Board Chair intends to take up to two nominations for the Directors Emeritus positions and vote on the nomination(s).



**PENINSULA CLEAN ENERGY
JPA Board Correspondence**

DATE: April 15, 2019
BOARD MEETING DATE: April 25, 2019
SPECIAL NOTICE/HEARING: None
VOTE REQUIRED: Majority Present

TO: Honorable Peninsula Clean Energy Authority Board of Directors
FROM: Jan Pepper, Chief Executive Officer
SUBJECT: Approval of New Liability, Directors & Officers, and Other Insurance Coverage for the Period from May 1, 2019 through April 30, 2020

RECOMMENDATION:

Approve revised insurance program for the Period from May 1, 2019 through April 30, 2020 which expands and enhances insurance coverage beyond the current program and policies.

BACKGROUND:

The total insurance coverage for PCE has not been reviewed since PCE's inception. Section 7.3 of the Joint Exercise of Powers Agreement governing the creation and operation of PCE requires PCE to "acquire such insurance coverage as is necessary to protect the interests of the Authority, the parties, and the public". The Audit and Finance Committee directed staff to evaluate alternatives and make recommendations to ensure the organization has adequate and appropriate insurance coverage to protect against organizational risks. PCE staff presented the findings and alternatives to the PCE Executive Committee on April 11, 2019 to gain comments and direction.

In summary, staff has found and determined the following:

1. PCE is not covered for some risks and should take steps to add such coverage
2. PCE is included on San Mateo County's Liability insurance coverage which is not the ideal for either the County or PCE

Current Coverage

A. Liability Insurance

When PCE was established, San Mateo County added PCE to its standard liability insurance policies as an Additional Insured as an accommodation. To date, the County has not charged PCE to be included in that coverage. At the time that PCE was included (before PCE was in full operation to serve its 290,000 customers), PCE's inclusion and exposure was small. However, with PCE's growth to a fully-functioning electricity provider serving most of the residents and business of San Mateo County, PCE and County staff both believe that separate policies are appropriate. Those policies have a current expiration date of May 22, 2019, so the timing is right to consider other options. The policies that PCE is named in the County's liability insurance are as follows:

	<u>Coverage Type</u>	<u>Coverage Amount</u>	<u>Deductible/Retention</u>
	Liability - Primary	\$2,000,000	\$1,000,000
	Liability – 2nd Layer	\$7,000,000	\$0

The total of the liability insurance above provides up to \$10,000,000 of coverage. PCE's staff has identified the following 3 issues/concerns with the above structure:

1. In the event of a loss or claim, it would be necessary for the County and PCE staff to agree on the allocation of cost and coverage (if there were multiple claims).
2. Given the size and asset base of PCE, the cost of insurance to the County is likely to be negatively impacted.
3. The size of the \$1 million deductible is higher than PCE staff deems to be reasonable for the size of its organization.

B. Directors' and Officers' (D&O) Liability Insurance

In July of 2018, PCE entered into a direct D&O policy with RSUI Insurance Company for \$1 million of coverage with a \$50,000 deductible/retention. As is standard with most D&O policies, the RSUI policy also includes Employment Practices Liability in the same amount. It is likely that most members of the Board of Directors also have coverage in their capacity as elected officials of their city/town, and that such coverage also extends to their responsibilities to PCE. However, without researching all of those policies, it is not possible to know if that is true nor how the policies would interact. In addition, such extension of coverage would not apply to the direct staff/officers of PCE; i.e. the CEO and CFO. The cost of the current coverage was \$25,370 per year and extends through July 24, 2019.

C. Workers Compensation Insurance

Per the legal requirement, PCE has the statutory amount of coverage through the State Compensation Insurance Fund.

A summary of the current insurance coverage, including costs, is as follows:

Insured	Type	Company	Term	Limits	Deductible/Retention	Premium to PCE	Notes
County of San Mateo; PCE is Additional Insured	Liability - Primary	Princeton	5/22/18 - 5/22/19	\$2,000,000	\$1,000,000	\$0	
County of San Mateo; PCE is Additional Insured	Liability - 2nd Layer	Argonaut	5/22/18 - 5/22/19	\$7,000,000		\$0	Total of \$10MM
PCE	D&O/ Employers Practices Liability	RSUI	7/24/18 - 7/24/19	\$1,000,000	\$50,000	\$25,370	
PCE	Worker's Compensation	State Compensation Insurance Fund	7/13/18 - 7/13/19	Statutory	\$0	\$22,332	Est premium (actual based on reported payroll)
						\$47,702	

Polices Recommended

PCE engaged ABD Insurance to assist in review of the current insurance program and advise in development of the program recommended to the Board. Members of the staff have worked with the ABD team for many years. ABD is headquartered in San Mateo and was the 5th largest insurance broker in the Bay Area in 2018. ABD has approximately 270 employees and serves clients of all stages and sizes.

As part of the evaluation process, it was determined that the current coverage was not adequate to protect the organization against all of its financial and operational risks. It was determined that coverage was recommended as follows:

Coverage Type	Notes
Property/Business Interruption	No current coverage
General Liability - Primary	Includes Employee Benefits Liability
Hired & Non-owned Auto Liability	Included in current Liability coverage
Liability – Umbrella	Over Workers Comp, General and Auto
Workers Compensation	
Cyber/Professional Liability (E&O)	No current coverage for data, phishing, privacy, etc.
Crime	No current coverage for employee theft, funds transfer fraud
D&O/Employer Practices/Fiduciary Liability	Fiduciary - retirement plan sponsorship

Marketing to Insurance Companies

As part of the marketing process, we reached out to a number of insurance companies (all have AM Best ratings of A- to A++) to enable as competitive a process as possible. Given the “newness” of the CCA industry, some carriers declined to quote while others submitted very high-priced quotes. A summary of the quotes for some of the categories is as follows:

Coverage Type	Marketing
Commercial Package (Property, Liability, Umbrella)	8 total – 3 quoted, 5 declined
Cyber/E&O	5 total – 3 quoted, 2 quoted Cyber only
D&O/EPL/Fiduciary	4 total – 1 quoted, 3 declined

Directors & Officers Liability (D&O) and Employment Practices Liability (EPL)

Current D&O/EPL coverage is \$1 million with RSUI, an A+ rated company with a \$50,000 retention/deductible. It should be noted that current policy does not cover Fiduciary Liability in the event of a claim related to PCE's employee retirement plan administration.

The exposures that D&O insurance protects against include claims made by customers, vendors, or suppliers. The exposures that EPL insurance protects against include wrongful termination, retaliation, and sexual harassment, all of which have increased in prevalence over the past few years.

The cost of D&O/EPL insurance is directly aligned with PCE's asset size. The cost of \$1 million of D&O coverage in the current policy is \$25,370 that was based on audited total assets of \$55.8 million as of June 2017. The audited assets as of June 2018 were approximately double at \$111.8 million. Insurance coverage was marketed to 4 top-rated companies – 3 of them declined or stated that they could not compete. RSUI, PCE's current insurance provider, offered to renew coverage and offered several options for expanded and different coverage.

There are two basic D&O/EPL Liability options:

1. Shared Limits (current policy) – Coverage level is shared by all 3 types of claims in any one year. For example, on a \$1 million policy, if a claim was made under the D&O portion of \$600,000, \$400,000 would be available for an EPL claim.
2. Separate Limits – Coverage level is separate for all 3 types of claims in any one year. For example, on a \$1 million policy, if a claim was made under the D&O portion of \$600,000, \$1 million would still be available for a separate EPL claim.

A summary of the D&O/EPL Liability options is as follows:

D&O/ Employers Practices/Fiduciary	RSUI	5/1/19 - 5/1/20	\$1MM D&O / \$1MM EPL and Fiduciary	\$50k D&O / \$2,500 EPL and Fiduciary	\$32,120	Shared Limits
D&O/ Employers Practices/Fiduciary	RSUI	5/1/19 - 5/1/20	\$2MM D&O / \$2MM EPL and Fiduciary	\$50k D&O / \$2,500 EPL and Fiduciary	\$51,370	Shared Limits
D&O/ Employers Practices/Fiduciary	RSUI	5/1/19 - 5/1/20	\$1MM D&O / \$1MM EPL and Fiduciary	\$50k D&O / \$2,500 EPL and Fiduciary	\$35,410	Separate Limits
D&O/ Employers Practices/Fiduciary	RSUI	5/1/19 - 5/1/20	\$2MM D&O / \$2MM EPL and Fiduciary	\$50k D&O / \$2,500 EPL and Fiduciary	\$56,800	Separate Limits
D&O/ Employers Practices/Fiduciary	RSUI	5/1/19 - 5/1/20	\$3MM D&O / \$1MM EPL and Fiduciary	\$50k D&O / \$2,500 EPL and Fiduciary	\$52,790	Separate Limits
D&O/ Employers Practices/Fiduciary	RSUI	5/1/19 - 5/1/20	\$5MM D&O / \$1MM EPL and Fiduciary	\$50k D&O / \$2,500 EPL and Fiduciary	\$65,600	Separate Limits

Recommended
Option

Recommendation

The following is the total package and options recommended by staff:

Type	Company	Term	Limits	Deductible/Retention	Premium to PCE	Notes
Property/Business Interruption	Federal (Chubb)	5/1/19 - 5/1/20	Replacement Cost	\$5,000	\$4,800	
General/Employee Benefits Liability	Federal (Chubb)	5/1/19 - 5/1/20	\$1MM/occurrence \$2MM Aggregate	\$1,000	\$5,273	
Hired & Non-Owned Auto	Federal (Chubb)	5/1/19 - 5/1/20	\$1,000,000	\$1,000	\$748	
Umbrella Liability (over WC, General)	Federal (Chubb)	5/1/19 - 5/1/20	\$10,000,000	\$0	\$8,240	Total of \$11MM
Worker's Compensation	Federal (Chubb)	5/1/19 - 5/1/20	Statutory		\$23,816	Est premium (actual based on reported payroll)
Cyber/Professional Liability	Landmark American	5/1/19 - 5/1/20	\$2MM Limit / \$250K Cyber Crime	\$10,000	\$10,836	
Crime	Travelers	5/1/19 - 5/1/20	\$500,000	\$5,000	\$1,335	
D&O/ Employers Practices/Fiduciary	RSUI	5/1/19 - 5/1/20	\$3MM D&O / \$1MM EPL and Fiduciary	\$50k D&O / \$2,500 EPL and Fiduciary	\$52,790	Separate Limits
					\$107,838	

Financial Impact

The additional annual cost of the proposed insurance cost is approximately \$60,000. However, costs for Workers Compensation insurance are estimates only for both the current and proposed programs since actual costs will be based on actual payroll.

RESOLUTION NO. _____

**PENINSULA CLEAN ENERGY AUTHORITY, COUNTY OF SAN MATEO, STATE OF
CALIFORNIA**

* * * * *

**RESOLUTION APPROVING NEW LIABILITY, DIRECTORS & OFFICERS, AND
OTHER INSURANCE COVERAGE FOR THE PERIOD FROM MAY 1, 2019
THROUGH APRIL 30, 2020**

DATED APRIL 25, 2019

RESOLVED, by the Peninsula Clean Energy Authority of the County of San Mateo, State of California, that

WHEREAS, the Peninsula Clean Energy Authority has, since its inception, had liability insurance as an Additional Insured on the San Mateo County liability policies at zero cost, and

WHEREAS, the Board of the Peninsula Clean Energy Authority believes that the Peninsula Clean Energy Authority organization has grown in its asset base and exposure to warrant its own, direct insurance policies, and

WHEREAS, some aspects of insurance risks are not adequately covered by the existing insurance policy structure.

NOW, THEREFORE, IT IS HEREBY DETERMINED AND ORDERED that the Board approves the expanded insurance policy program recommendation presented at

its April 25, 2019 meeting and as described in the Memorandum prepared for that meeting.



**PENINSULA CLEAN ENERGY
JPA Board Correspondence**

DATE: April 15, 2018
BOARD MEETING DATE: April 25, 2018
SPECIAL NOTICE/HEARING: None
VOTE REQUIRED: Majority Vote

TO: Honorable Peninsula Clean Energy Authority Board of Directors

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

SUBJECT: Approve New EV Dealer Incentive Program

RECOMMENDATION

Authorize renewal and three-year commitment on the New EV Dealer Incentive Program for an amount not to exceed \$1,500,000.

BACKGROUND

In 2018, PCE implemented with Board approval the New Electric Vehicle (EV) Dealer Incentive Program to motivate the adoption of EVs among San Mateo County residents. The 2018 program partnered with three local dealerships (Nissan of Burlingame, Stewart Chevrolet in Daly City, and Peter Pan BMW in San Mateo), which were selected through a competitive process in which dealers were eligible to apply by offering discounts below the Manufacturer's Suggested Retail Price (MSRP) on their EVs. In addition to the discounts offered, PCE provided a \$1,000 rebate to consumers at the time of sale/lease and a \$250 incentive to participating dealerships per vehicle sold/leased.

The promotion ran from October 1 through December 31 of 2018 and included significant marketing from PCE including direct mail, email outreach, online ads, and print ads, as well as outreach through the EV test drive program ("ride and drives") events. The program resulted in 120 vehicles sold or leased in Q4. The program included a survey of buyers in which responding buyers reported that the program played a significant role in their choosing to acquire an EV at that time.

In addition, in September 2018, the Board approved the Program Roadmap, which identifies the continuation of EV promotion programs for 2019 and beyond. The Roadmap lays out a strategy that emphasizes market momentum, first emphasizing private vehicles and then moving to shared and fleet vehicles.

For private vehicles, the market can be segmented into four major categories based on whether the vehicle owner can or cannot charge and whether they can or cannot afford an EV. The following matrix identifies how the current PCE EV programs operate for each market segment:

	Can charge (mainly home garage)	Cannot charge (mainly multi-unit dwellers)
Can afford Or close to afford	EV Test Drives* + New EV Incentives	EV Charging Infrastructure Incentives* And Reach Codes*
Cannot afford	Low Income Used EV Incentive ^{1*}	

*Approved programs

DISCUSSION

In January 2019, PCE executed a market survey of PCE customers without EVs regarding awareness and interest in electric vehicles. With a sample of 572, respondents indicated a very high interest in adopting EVs (36% indicated they were “very likely” to adopt an EV for their next vehicle), however vehicle cost is among the largest concerns for those likely to adopt at 60% (top concern: charging for long trips at 71%).

In February 2019, the Board approved the three-year EV Ride & Drive Program (ramping up the program from 2018) to continue stimulating awareness and interest in EVs through test drive events around the County. The EV Ride & Drive Program and New EV Dealer Incentive Program operate in tandem – stimulating interest and then providing incentives to acquire a vehicle. Test drive participants are directly connected to the New EV opportunities when they become available. As a result, the New EV Dealer Incentive Program is also proposed to run for three years with the promotion period likely to be October through December in each year.

As with the 2018 program, the renewed program would invite all dealerships in the county to participate on a competitive basis. A maximum of one dealership per make will be selected each year based on the best discounts the dealership is able to provide below

¹ This program is now called DriveForward Electric:
<https://www.peninsulacleanenergy.com/driveforwardelectric/>

the Manufacturers Suggested Retail Price (MSRP). Dealerships must be PCE customers to participate. PCE will run the promotion in the fourth quarter of each year, providing significant marketing (mailers, email, online ads, print ads), a \$1,000 incentive for the consumer and a \$250 to the dealership for each vehicle sold or leased. The \$1,000 customer incentive is applied at point-of-sale through the dealer to simplify the buyer experience. The PCE incentives are paid to the dealer only after confirming that the customer received the expected deal. Elements such as the incentive levels and qualifying vehicles may be adjusted year to year based on lessons learned and the features of new vehicles introduced.

It is anticipated that participation in the program will grow each year, consistent with the experience of Sonoma Clean Power which ran a similar program for the past three years. For 2019 the PCE program could draw 4 to 6 dealerships with sales/leases of 150-300 vehicles. Total vehicle uptake over the three years is difficult to project but could reach 600 - 1,200 vehicles. It is expected that if participation exceeds 1,000 vehicles, staff will return to the Board for additional funding.

Budget. Approximate allocation over three-years:

- \$100,000 for program administration support (dealer recruitment, training, rebate management)
- \$1,250,000 incentives (up to 1,000 vehicles, \$1,000 for customers, \$250 for dealerships)
- \$250,000 marketing (marketing budget)

Qualifications for the program:

- Dealer must be a PCE customer
- Customers must be residents of San Mateo County
- Vehicle eligibility for 2019 is based on minimum all-electric ranges: 25 miles for plug-in hybrids (PHEV) and 125 miles for battery-electric vehicles (BEV)². Minimum range eligibility may increase in future years.

Timeline for the program (recurring over the three-year period):

- May: Issue dealer RFP and renew administrator contract
- August: Contract dealer(s) and administrator and initial planning
- October-December: Open vehicle promotion
- Q1 following year: Report out on results

² Ranges increased 25 miles for BEV and 5 miles for PHEV over 2018 program



**PENINSULA CLEAN ENERGY
JPA Board Correspondence**

DATE: April 16, 2019
BOARD MEETING DATE: April 25, 2019
SPECIAL NOTICE/HEARING: None
VOTE REQUIRED: None

TO: Honorable Peninsula Clean Energy Authority Board of Directors

FROM: Jan Pepper, Chief Executive Officer
Rafael Reyes Programs Director

SUBJECT: Board Update: EV and Building Electrification Reach Code Program

BACKGROUND

Peninsula Clean Energy's mission is to reduce greenhouse gas (GHG) emissions in San Mateo County. The three primary contributors to GHG emissions in order of emission magnitude are transportation, natural gas use in buildings, and electricity use. One of the strategic goals of PCE is to further reduce GHG emissions by investing in programs advancing building and transportation electrification to address the largest of the GHG sources. This status memo summarizes PCE's work to date and future activities on the Building Electrification and Electric Vehicle (EV) Infrastructure Reach Code Program. The program's scope was originally outlined in the Board Memo dated November 15, 2018.

As background, in September 2018, the Board approved the PCE Program Roadmap, which identifies programs for 2019 and beyond to include transportation measures on EV Infrastructure as well as Building Electrification New Construction. Codes for new buildings and major modifications are the most cost-effective points at which to install Electric Vehicle Charging Infrastructure (EVCI) and electric appliances (such as heat pump water heaters) compared to retrofitting existing parking lots and buildings.

The State of California (through the California Energy Commission) is promulgating the 2019 Building Standards, which will go into effect on January 1, 2020. Municipalities may implement local "reach codes" which exceed state standards to align with local climate objectives or other needs. Adopting reach codes at the same time as the State codes go into effect provides clarity and consistency for developers in contrast to mid-cycle reach code adoption.

To further maximize efficiency and consistency, staff is working with Silicon Valley Clean Energy (SVCE) and the San Mateo Office of Sustainability (OOS) on a joint approach. Following a competitive bid process, the Board approved in January 2019 a contract with TRC Engineering (with sub-contractor DNV-GL) to provide technical assistance on the reach codes and support the associated adoption process with a goal of implementing code updates to take effect on January 1, 2020. The scope of the consultants' role is to:

1. Facilitate engagement with local governments and community stakeholders to shape model codes
2. Interpret the State buildings cost-effectiveness study to inform the model codes
3. Develop model codes for local governments to consider for adoption
4. Develop a cost-effectiveness analysis for the electric vehicle measures
5. Provide technical assistance to local governments for code adoption
6. Provide technical assistance to local governments for code implementation

In allocating workload and internal expertise, PCE has taken the lead in working with the consultant to develop the EV infrastructure reach codes for new buildings, and SVCE has the lead in working with the consultant to develop the new building electrification reach codes. In addition, in PCE service territory, OOS is providing the majority of the outreach to the city building and sustainability staff plus other San Mateo County based stakeholders. For purposes of this memo, these three organizations plus the consultants will be collectively referred to as the "team".

DISCUSSION

City and Stakeholder Engagement, Education & Support; Efforts & Status

To solicit feedback from our member cities (with emphasis on building and sustainability staff) plus other stakeholders including developers, architects, community leaders and the general public, the team has organized a number of events and provided various tools as noted below:

- Two reach code adoption and implementation kickoff meetings¹
- Seven reach code meetings²
- Two webinars on the proposed reach code measures (April 11th and April 24th)
- Website: PeninsulaReachCodes.org
- Various program and event flyers
- Webinar scheduled for the final week of May releasing the reach code language
- Ongoing support for cities from the technical consultant in the form of one-on-one meetings including city specific cost analysis calculations and additional support as requested

¹ Two kickoff meetings were held in each of the respective service territory

² Three meetings were held in each respective service territory; each meeting focused on a different stakeholder group with the seventh being a catch all meeting.

As of April 12th, one or more representatives from most municipalities in PCE's service territory have attended one or more of the above functions. Specific cities and the associated individuals are detailed in Appendix A.

To further support PCE's member cities, PCE is providing an upfront \$10,000 grant for cities that agree to bring a reach code (building and/or EV based) to their city council for approval. The \$10,000 grant is obtained through a simple signed letter of intent (LOI) or city council resolution (see Appendix B). The LOI and sample resolution are also available on the www.PeninsulaReachCodes.org site.

Additional outreach and educational activities are continuing, including repeating the webinar on the proposed reach code measures on April 24th and upcoming one-on-one city and stakeholder meetings.

Utilizing the materials and support provided by the team, the process for a city to implement a reach code addressing building energy efficiency is as follows:

Step	Timing	Activity
1	By May 15th	<ol style="list-style-type: none"> 1) Review and comment on the proposed reach code measures as detailed on PeninsulaCleanEnergy.org. 2) As deemed necessary, request a one-on-one meeting to address any optional specific requirements such as additional commercial photovoltaics or other associated issues including additional cost benefit analysis³. 3) Notify the team of any specific and perceived stakeholder groups that potentially should be engaged regarding the city's potential reach code adoption. 4) Apply for the \$10,000 PCE reach code incentive
2	Week of May 27-31; Date TBD	Participate in the webinar detailing template reach code language or review the language from PeninsulaCleanEnergy.org once posted.
3	June	Review the reach code language and incorporate additional city specific requirements. Prepare the reach code package for city council approval including code briefing memo and presentations to the council and or other groups. OOS and TRC support the above tasks.
4	July-September	City council adopts reach code. Depending on city specifics, this may involve hearings, multiple readings and other activities. OOS and TRC provide support.
5	September	The team (not the city) packages the adopted reach code and submits to the California Energy Commission (CEC) for approval.
6	September-December	<p>The city prepares to implement the reach code beginning January 1, 2020 including new plan checking sheets, etc. TRC provides implementation support such as trainings, checklists and other tools as identified by each city.</p> <p>The CEC reviews the reach code, including a public notice period and via an iterative process of comments and reach code modifications (potentially) approves the building reach code.</p>

³ A city specific cost-effectiveness analysis is required for the building electrification measures that exceed the CEC standards and that are in addition to or differ from current team proposed reach codes measures. This CEC specific cost-effectiveness analysis is not required for EV infrastructure reach codes.

7	December	On CEC approval, the reach code goes into effect on January 1, 2020.
---	----------	--

The process for adopting an EV infrastructure reach code is the same except that the code does not need to be approved by the CEC, eliminating steps 5, 6 and 7.

Proposed Reach Code Measures

In defining the reach code, the objective was to determine the lowest cost, greatest greenhouse gas reduction strategy while still maintaining energy choices. The starting point was the California Energy Commission (CEC) provided draft⁴ baseline of potential reach code measures. The team then solicited input from stakeholders including developers, architects and builders, community low-income housing, environmental and electric vehicle non-governmental organizations and activists, and city staff. To come up with the proposed reach code measures, the team took into account PCE greenhouse gas reduction objectives, code implementation costs, construction and operational costs, impacts on housing development, current and projected electric vehicle adoption rates, and the safety and health of the greater county.

Note that specific measures vary by building type and for the purpose of limiting the complexity of this document, only the summary of the proposed measures are presented. For more details on the code specifics, <http://tinyurl.com/PCE-CodeMeasuresDraft> (also available on www.PeninsulaReachCodes.org).

1) Building Reach Code Measures

Building code measures are focused on encouraging greater use of electric appliances in new buildings as compared to natural gas appliances. The current 2016 State code makes all-electric buildings difficult (electric water heaters were penalized compared to natural gas water heaters). While the new 2019 State code removes this penalty, it does not encourage all-electric for new buildings.

The proposed reach codes would encourage all-electric for new buildings by offering an option for all-electric and requiring more stringent efficiency for mixed-fuel buildings (i.e. which include natural gas). The pathways for a builder to meet those requirements are:

- Performance – use modeling software to show the proposed building meets or exceeds the efficiency target established in the reach code, OR
- Prescriptive – install from a list of specific technologies as defined within the reach code

The proposed stringency is up to the municipality and the model reach code measures propose a range of options depending on building type:

⁴ The final version is scheduled for release in the June/July timeframe. Given the small window and the understanding that there will be minimal changes from the draft measures, the team has determined that the best course of action is develop the city by city reach codes now and make any changes, if necessary, once the final version is released.

- Require mixed fuel to provide a level of energy efficiency above 2019 State code by 14-29% (the higher “compliance margin” is intended to motivate adoption of the all-electric alternative)
- Require all-electric to meet minimum 2019 State code

The cost effectiveness of the proposed levels is demonstrated by an IOU-led statewide study⁵. The proposal also includes a prescriptive path for each scenario. The prescriptive scenarios are detailed in the link above.

Based on construction of 100 new single-family homes, 10,000 new multi-family units and 2 million square feet of new office buildings, the proposed codes are projected to save approximately 3.7 million tons of CO₂ over 50 years.

2) Electric Vehicle Charging Infrastructure (EVCI) Code Measures

As with the Building measures, the electric vehicle measures vary by building type. The 2016 State code requires that single family homes be “EV Capable” (i.e. electrical capacity and conduit is installed so that charging systems can be easily put in place); multi-family buildings with over 17 units have 3% of total spaces be EV Capable; and non-residential buildings with at least 10 parking spaces have approximately 6% of total spaces be EV Capable. The 2019 State code makes only one modification requiring multi-family buildings to have 10% of total spaces be EV Capable.

The proposed EVCI measures in the reach codes are as follows:

Single Family Dwelling or Duplex, 2 EV spaces total:

- 1 Level 2 “EV Ready” circuit (charging circuit, outlet and panel capacity ready for use) AND
- 1 additional Level 1 outlet with dedicated circuit

Small/Medium (≤40 units):

- One Level 2 EV Ready per dwelling

Large (>40 units):

One EV Ready circuit per dwelling. Of all spaces:

- 25% Level 2 EV Ready
- 75% are either
 - Level 1 EV Ready, OR
 - Level 2 EV Ready with load management

Non-Residential

- 10% Level 2 EVSE Installed
- 10% Level 1 EV Ready with L2 conduit
- On-grade parking: 50% Level 2 EV Capable; Panel Capacity, average 2kW/ EV space

⁵ Cost effectiveness studies: <http://localenergycodes.com/content/2019-local-energy-ordinances/>

Underground or deck parking: 100% Level 2 EV Capable; Panel Capacity, average 1kW/ EV space

Request to PCE Board Members

PCE staff asks that board members, as representatives of their respective cities, inform their jurisdictions that code development is occurring, encourage their cities to consider participating in the process and take advantage of the assistance being offered, and, most importantly, serve as champions for reach code adoption.

Cities are encouraged to submit their LOI for the \$10,000 at their earliest convenience.

Appendix A**Agency participation at reach code events**

Agency	First Name	Last Name	Role	Kick Off	Meeting	Draft Measures
Atherton	Rick	DeGolia	City Council		x	
Atherton	Mike	Greenlee	Building Official		x	
Atherton	George	Rodericks	City Manager		x	
Belmont	Carlos	de Melo	Community Development Director		x	
Brisbane	Adrienne	Etherton	Sustainability Management Analyst	x	x	
Burlingame	Andrea	Pappajohn	Sustainability and Climate Mgmt	x	x	
Burlingame	Kevin	Gardiner	Community Development Director		x	
Burlingame	Joe	McCluskey	Permit Tech/Green Building Spc		x	
Colma	Brad	Donohue	Public Works Director			x
East Palo Alto	Carlos	Romero	City Council Member			x
East Palo Alto	Jose	Martinez	Chief Building Official		x	
East Palo Alto	Janet	Numez-Aguilar	Permit Technician		x	
Foster City	Elizabeth	Lam	Sustainability Fellow		x	
Half Moon Bay	Jennifer	Chong	Management Analyst	x		
Hillsborough	Tim	Anderson	Building Official		x	
Menlo Park	Joanna	Chen	Sustainability Specialist	x		x
Menlo Park	Rebecca	Lucky	Sustainability Manager		x	x
Millbrae	Shelly	Reider	Environmental Programs Manager	x		x
Millbrae	Michael	Cully	Building Official		x	x
Pacifica	Tina	Wehrmeister	Planning Director			x
Pacifica / Brisbane	Doug	Rider	Building Official		x	
Portola Valley	Brandi	de Garreaux	Assistant to the Town Manager		x	
Redwood City	Mark	Laine	Fire Plan Checker			x
Redwood City	Vicki	Sherman	Sustainability Coordinator			x
Redwood City	Christina	McTaggart	Building Official		x	
San Carlos	Adam	Lokar	Management Analyst		x	x
San Carlos	Chris	Valley	Building Official		x	
San Mateo	Andrea	Chow	Sustainability Analyst	x		
San Mateo	Alice	Chen	Plan Check Supervisor		x	
San Mateo	Allen	Elkins			x	
San Mateo	Stephen	Lau	Building Official		x	
SM County	John	Allan	Sustainability Coordinator	x		x
SM County	Caitlin	Clark	Sustainability Coordinator			x
SM County	Michael	Barber	Legislative Aide	x	x	
SM County	Miles	Hancock	Building Official	x		
SM County	Rachael	Londer	Sustainability Coordinator	x	x	
SM County	Dave	Pine	County Supervisor	x		
SM County	Denise	Lin	Sustainability Coordinator		x	



Dear City Manager,

Peninsula Clean Energy (PCE) will provide San Mateo County jurisdictions a \$10,000 grant to evaluate and consider the adoption of building and electric vehicle Reach Codes that would enable adoption concurrently with the state-required adoption of the 2019 building code, which takes effect January 1, 2020. The Reach Codes are an opportunity to advance homes that are safer, healthier and more affordable.

In addition to the \$10,000, PCE is offering support to local governments in the form of technical assistance from TRC Engineers and DNV-GL for the development of model Reach Codes, facilitation support by the County Office of Sustainability, as well as implementation and adoption support such as consultant participation at Commissions and Council meetings, model staff reports, staff trainings, check lists or other support needs that you may identify.

We invite your input on the model codes and your support needs at any and all stages of the process.

Please find attached a draft letter of intent (LOI) which provides further clarification of the efforts to support our shared goals to both reduce greenhouse gas emissions and strengthen our local economy. We invite your submission of the LOI which also acts as an invoice to release the \$10,000 in funding.

Two versions of the LOI are attached, a letter and a resolution (if Council action is deemed necessary), which you may adapt as you deem appropriate. Please submit to me at rreyes@peninsulacleanenergy.com with a W-9 and preferred method of payment (ACH or check by mail).

We look forward to your participation in the building reach code process.

Sincerely,

A handwritten signature in blue ink that reads "Rafael Reyes".

Rafael Reyes
Director of Energy Programs

V1. Letter of Intent (letter form):

Date:

To: Peninsula Clean Energy

From: City (Town) of

Dear PCE Staff,

The City/Town of _____ understands that Peninsula Clean Energy (PCE) was established as the community choice aggregator and primary provider of clean electricity in San Mateo County, and that it intends to provide 100% renewable electricity for all its customers in San Mateo County by 2025. We recognize that the benefits of the greenhouse gas free electricity can be amplified by electrification of new buildings and electrification of transportation vehicles in our city (town) which can deliver economic benefits, result in safer and healthier homes, and further reduce climate pollution.

We also understand that PCE is coordinating regionally with Silicon Valley Clean Energy, County of San Mateo, and with the California Energy Commission (CEC) to develop building and transportation electrification Reach Codes and that PCE is offering extensive technical assistance and a \$10,000 grant for cities and towns in San Mateo County to develop and potentially adopt these new Reach Codes.

As City (Town) adopts the new CEC-established building codes as part of the statewide three-year code adoption cycle by December 31, 2019 for all cities, which will take effect January 1, 2020, we believe that it is most efficient for City (Town) staff to coordinate adoption of Reach Codes with the adoption of new building codes.

Therefore, we are providing this letter of intent to let you know that City (Town) commits to participating in the model reach code development process led by PCE. As qualification for the \$10,000 grant, we commit to modest staff time to develop Reach Codes with the intent to present findings to our City (Town) Council for consideration of adoption.

Sincerely,

City Manager, City (Town) of

V2. Letter of Intent (resolution form):

Whereas, Peninsula Clean Energy (PCE) was established as the community choice aggregator and primary provider of clean electricity in San Mateo County; and

Whereas, PCE intends to provide 100% renewable electricity for all its customers in San Mateo County by 2025; and

Whereas, the benefits of the greenhouse gas free electricity can be amplified by electrification of new buildings and electrification of transportation vehicles which can deliver economic benefits, result in safer and healthier homes and further reduce climate pollution; and

Whereas, PCE is coordinating regionally with Silicon Valley Clean Energy, County of San Mateo, and with the California Energy Commission (CEC) to develop building and transportation electrification Reach Codes; and

Whereas, PCE is offering extensive technical assistance and a \$10,000 grant for cities and towns in San Mateo County to adopt the above Reach Codes; and

Whereas, the City (Town) of _____ is required to adopt new CEC-established building codes as part of the statewide three-year code adoption cycle by December 31, 2019, and which will take effect January 1, 2020; and

Whereas, it is most efficient for City (Town) staff to coordinate adoption of Reach Codes with the adoption of new building codes.

Now, therefore, the City (Town) of _____ commits to participating in the model Reach Code development process led by PCE, with the intent of considering the adoption of the model Reach Code as appropriate for our jurisdiction.



**PENINSULA CLEAN ENERGY AUTHORITY
Board Correspondence**

DATE: April 15, 2019

BOARD MEETING DATE: April 25, 2019

SPECIAL NOTICE/HEARING: None

VOTE REQUIRED: None

TO: Honorable Peninsula Clean Energy Authority (PCE) Board of Directors

FROM: Tj Carter, Marketing Associate
Kirsten Andrews-Schwind, Senior Manager, Communications and Outreach

SUBJECT: Update on PCE's Schools and Youth Engagement

SUMMARY:

Over the past year, PCE's Communications Team has implemented the following engagement efforts with schools and youth:

- Schools and Youth Collaboration and Outreach
- San Mateo County STEM Fair
- PCE 'Kids & Schools' webpages
- Energy Dashboard Pilot
- San Mateo Environmental Learning Collaborative Clean Energy Teacher Fellowship
- Student Activity Packet

DISCUSSION:

Schools and Youth Collaboration and Outreach

Peninsula Clean Energy Communications and Outreach staff actively participate in outreach and collaborations within the schools and youth community. This includes:

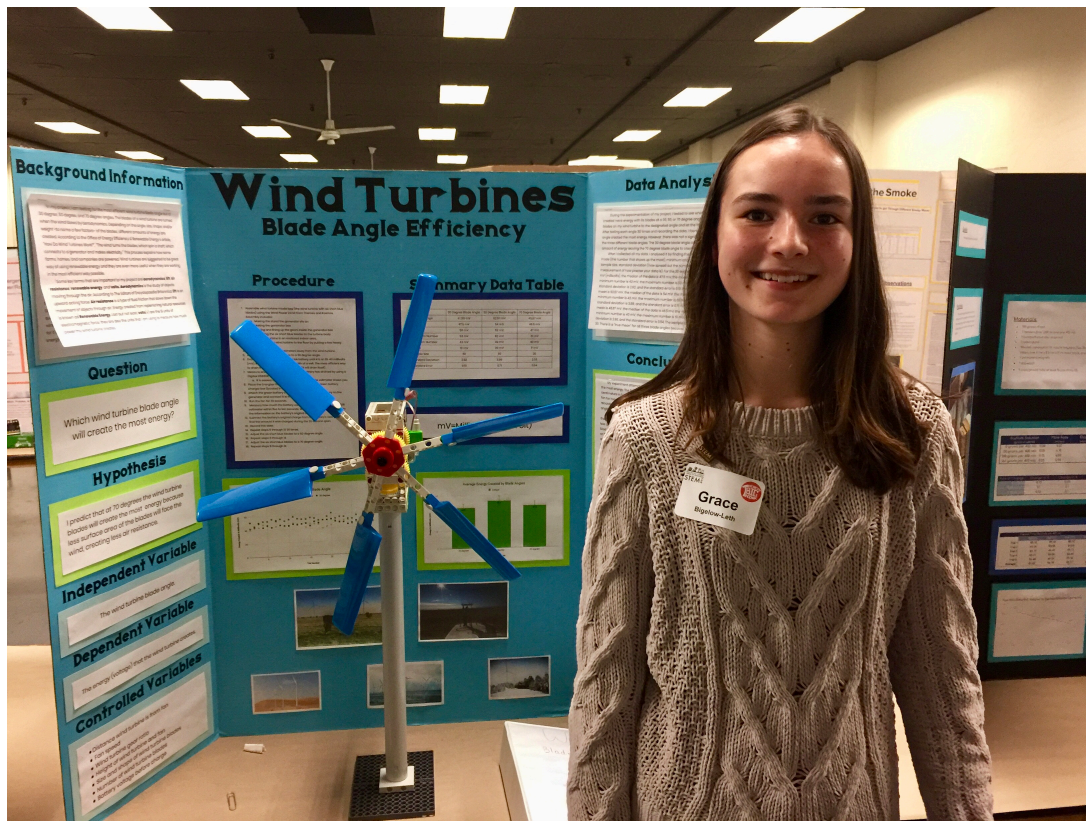
- Participating in the San Mateo County Environmental Literacy Community of Practice
- Presentations to Woodside High School Green Academy classes
- Speaking during Career Exploration Day with Millbrae junior high students
- Meeting with youth groups like Cub Scouts, Eagle Scouts, Student Government clubs

San Mateo County STEM Fair

Peninsula Clean Energy participated in the 32nd annual San Mateo County Office of Education STEM Fair as a Partner, and Special Award Judge this past March for the second year in a row.

As a Partner, PCE had a "Make Your Own Clean Energy Pinwheel" table for students and parents to make a PCE pinwheel, create their own wind energy, and learn about PCE as their official electricity provider. Over the past two years, PCE has reached an estimated 470 parents and students through participation in the STEM Fair.

This year, PCE awarded its STEM Fair Special Award to 8th grader Grace Bigelow-Luth for her analysis of wind turbine blade angles.



Past PCE STEM Fair Special Awardees include 7th graders Georgia Hutchinson and Charlotte Sullivan.

PCE Kids & Schools Webpages

In August 2018, Peninsula Clean Energy launched a “Kids & Schools” tab on the PCE website for students and educators to find and utilize energy-related education and activities. Content includes:

- [Climate change impacts & factors](#)
- [Local climate action efforts](#)
- [PCE-developed teacher resources](#)
- [Sustainability resource references](#)

The webpages were created by the 2018 [Ignited](#) Teacher Fellow Andre Tan PCE hosted in the summer of 2018. Andre was a local math teacher from Summit Preparatory Charter High School in Redwood City.

PCE staff continue to update and refine the content on Kids & Schools webpages.

Energy Dashboard Pilot

Peninsula Clean Energy has provided \$34,000 to the San Mateo County Office of Education (SMCOE) for the development, implementation, and facilitation of an online energy dashboard pilot in the San Carlos School District.

Schools offer a great opportunity for students to learn about what aspects of facilities and operations contribute to greenhouse gas emissions, and how to develop solutions to reduce these emissions. In partnership with the SMCOE, Peninsula Clean Energy is in the process of developing an online dashboard to tell the “story” of energy in San Mateo County, as well as a holistic look at the range of school utilities (water, waste, transportation, etc.). Specifically, the dashboard will visually display utility usage data. Teachers will have access to the data for use in curriculum, which is the most equitable approach to exposing students to this type of data as it does not exclude students who may not currently have access to data or a residence to analyze.

The funding PCE has provided funds dashboard software for the SMCOE office, and 7 schools in the San Carlos School District. SMCOE and PCE in partnership with San Carlos School District administrators, facilities manager, and select teachers are designing the dashboard. PCE funds were also provided for SMCOE to support teachers with the integration of the energy dashboard into classroom lessons.

The anticipated launch of the online dashboard is May 2019. The pilot will be implemented during the 2019-20 school year. Once the pilot is complete, we will evaluate results and feedback for San Carlos School District for potential replication county-wide.

San Mateo Environmental Learning Collaborative Clean Energy Teacher Fellowship

Peninsula Clean Energy has provided \$25,000 to SMCOE to administer a 2019-20 Clean Energy Teacher Fellowship as a part of the San Mateo Environmental Learning Collaborative (SMELC).

The goal of the Clean Energy Teacher Fellowship is to host a highly impactful program that results in increased environmental literacy, academic success, and civic engagement for a carbon free energy future.

SMELC is a series of paid Teacher Fellowships that build teacher capacity for designing and delivering learning experiences that are student centered, problem- and project-based, solutions-oriented, and integrate real-world environmental and social issues. SMELC is a San Mateo County Office of Education Environmental Literacy Initiative.

Teachers of all grades (TK-12) and subjects in San Mateo County are encouraged to apply for the Clean Energy Fellowship. The target participation is 30 teachers, which has an estimated potential to reach 1,500 students per year. Teachers will be provided a \$500 stipend and will be eligible for 3 Continuing Education Units.

There are four main components to the Fellowship:

- **3-Day Energy Summer Institute:** Professional learning intensive about energy issues that centers around building knowledge and skills, and unit design for implementation in the Fall Semester. The Institute curriculum is being co-developed with SMCOE, PCE, and other community partners.
- **Fall Semester Guided Implementation & Practice:** Ongoing support through coaching, content knowledge development, and collaboration in the Fall Semester.
- **January 2020 Final Deliverables:** A finalized and piloted unit of study about energy, reflection presentation, and completion ceremony.
- **Ongoing Community Partner Support:** Support for establishing a partnership with community and environmental education partners. Partners include San Mateo Energy Watch, Clean Coalition, Strategic Energy Innovations, and CuriOdyssey.

Summary of Clean Energy Fellowship

Clean Energy Teacher Fellowship	
Grades	TK/K - 12
Teacher Subjects	All
Stipend	\$500
Summer Institute	3 Days June 24-26
Unit Focus	Standards aligned problem-based learning unit focused on Energy Issues
Professional Development	Eligibility for 3 Continuing Education Units

Outreach for the Clean Energy Teacher Fellowship is being led by SMCOE with support from PCE and community partners. Direct mailers have been sent to all science teachers in the county, as well as follow-up emails and calls to school principals.

SMELC Fellowship summaries and fellowship applications are available on the [San Mateo County Office of Education Environmental Literacy website](#).

Student Activity Packet

Peninsula Clean Energy has developed an “Electric Eco Hero Student Activity Packet” for high school math and science students to calculate the environmental and economic costs of electricity in San Mateo County.

The activity packet was drafted by Andre Tan during his fellowship with PCE and refined by PCE Citizens Advisory Committee member, Janet Creech, a retired San Mateo County science teacher and the PCE Communications team.

The 20-page activity packet includes:

- Introduction to climate change and local impacts
- Renewable energy sources
- Understanding the PCE/PG&E energy bill
- Calculating costs of electricity for common appliances
- Calculating GHG emissions from using common appliances

The activity packet will be available in both printed and electronic formats, and distributed to both formal and informal educators in San Mateo County. The activity packet will be presented at the Summer Institute for the Clean Energy Fellowship, and shared through the networks of PCE, SMCOE, and PCE Citizens Advisory Committee.

The anticipated timeline for the launch of the activity packet is May 2019.



**REGULAR MEETING of the Board of Directors of the
Peninsula Clean Energy Authority (PCEA)
Thursday, March 28, 2019
MINUTES**

Peninsula Clean Energy
2075 Woodside Road, Redwood City, CA 94061
6:30 p.m.

CALL TO ORDER

Meeting was called to order at 6:34 p.m.

ROLL CALL

Present: Dave Pine, County of San Mateo
Carole Groom, County of San Mateo
Jeff Aalfs, Town of Portola Valley, *Chair*
Rick DeGolia, Town of Atherton, *Vice Chair*
Charles Stone, City of Belmont
Madison Davis, City of Brisbane
Michael Brownrigg, City of Burlingame
Rae P. Gonzalez, Town of Colma
Roderick Daus-Magbual, City of Daly City
Carlos Romero, City of East Palo Alto
Catherine Mahanpour, City of Foster City
Harvey Rarback, City of Half Moon Bay
Elizabeth Cullinan, Town of Hillsborough
Catherine Carlton, City of Menlo Park
Wayne Lee, City of Millbrae
Deirdre Martin, City of Pacifica
Ian Bain, City of Redwood City
Marty Medina, City of San Bruno
Laura Parmer-Lohan, City of San Carlos
Rick Bonilla, City of San Mateo
Flor Nicolas, City of South San Francisco
Daniel Yost, Town of Woodside

Staff: Jan Pepper, Chief Executive Officer
Andy Stern, Chief Financial Officer
Rafael Reyes, Director of Energy Programs

Leslie Brown, Director of Customer Care
Kirsten Andrews-Schwind, Senior Manager of Communications and Outreach
Maggie Tides, Deputy County Counsel
Tj Carter, Marketing Associate
Anne Bartoletti, Board Clerk/Executive Assistant to the CEO

A quorum was established.

PUBLIC COMMENT:

None

ACTION TO SET THE AGENDA AND APPROVE CONSENT AGENDA ITEMS

Motion Made / Seconded: Bonilla / Bain

Motion passed unanimously 16-0 (Absent: County of San Mateo, Brisbane, Daly City, Menlo Park, Millbrae, South San Francisco)

REGULAR AGENDA

1. CHAIR REPORT

Jeff Aalfs—Chair—reported that cities need to adopt new reach codes by the end of September in order for them to be reviewed by the California Energy Commission (CEC).

2. CEO REPORT

Jan Pepper—Chief Executive Officer—introduced Doug Karpa, PCE’s new Senior Regulatory Analyst who started with PCE on March 11, 2019. She reported that PCE is continuing the search for a Manager of Distributed Energy Resources (DER) Strategy, a Senior Financial Analyst, and an EV (Electric Vehicle) Program Specialist.

Jan reported that PCE staff conducted several Reach Code meetings with city building officials regarding including new building electrification and electric vehicle (EV) infrastructure codes in the new 2020 building codes. Jan announced that PCE will provide \$10,000 to each city that reviews the new Reach Codes. Rafael Reyes—Director of Energy Programs—announced a website PeninsulaReachCodes.org for the 2019 Building Electrification and EV Infrastructure Reach Code Initiative.

Jan reported that CalCCA (California Community Choice Association) will launch “Bright Energy Future Campaign” on April 1, 2019, with a website BrightEnergyFutureCA.org, to provide an opportunity for individuals and groups to sign on to the coalition platform

Jan reported that PCE staff and some Board members met with Merced officials on March 21 to support their interest in CCAs (Community Choice Aggregator), and that additional meetings will take place in April. Jan reported that a company called Cyclops was selected from the responses to the Marketing Strategy RFP, and that the Marketing ad hoc committee will meet with the contractor on April 12.

3. CITIZENS ADVISORY COMMITTEE REPORT

Michael Closson—Chair—reported that the Citizens Advisory Committee (CAC) members received an update on Local Programs, reviewed the Local Programs Roadmap, and discussed ways to engage CAC members. He reported that CAC members support the Reach Codes effort.

Emily Leslie—Vice Chair—reported that the CPUC (California Public Utilities Commission) issued a proposed decision on IRPs (Integrated Resource Plans) that were filed by all LSEs (Load Serving Entity), and that PCE's IRP was officially certified by the CPUC.

PUBLIC COMMENT:

Diane Bailey, Menlo Spark

4. APPOINTMENTS TO THE EXECUTIVE COMMITTEE AND OTHER STANDING COMMITTEES

Jeff Aalfs reported that Catherine Mahanpour and Marty Medina offered to serve on the Executive Committee to fill a vacancy. Jeff asked the Board to approve the appointment of Catherine Mahanpour to the Executive Committee and re-appoint all of the existing members, and he thanked Marty Medina for volunteering to serve. Jeff reported that there would be no recommended changes to the Audit and Finance Committee at this time, and that Donna Colson is Chair of the Audit and Finance Committee.

Motion Made / Seconded: Carlton / Stone

Motion passed 19-0 (Absent: Brisbane, Daly City, Millbrae)

5. APPROVE AMENDMENT TO THE JPA (JOINT POWERS AUTHORITY) AGREEMENT TO ALLOW THE APPOINTMENT OF UP TO TWO "DIRECTORS EMERITUS" TO THE PCE BOARD (SECTION 3.1.1), AND TO ALLOW THE CFO TO ACT AS TREASURER (SECTION 3.9.3)

Jan Pepper reported that the Executive Committee discussed potential options to continue the involvement of former Board members and Alternates who are no longer elected representatives of the County or municipalities. She reported that the Executive Committee discussed creating an amendment to the JPA to create up to two Directors Emeritus positions, and the committee also discussed an amendment to authorize the CFO (Chief Financial Officer) to act as PCE's Treasurer.

Board members inquired as to the levels of participation of Directors Emeritus as it relates to Closed Sessions and voting. Maggie Tides—Deputy County Counsel—reported that it's up to the discretion of the Board, but that Directors Emeritus cannot vote. She reported that Directors

Emeritus members can participate on committees without appointment, and they can attend meetings without adding to a quorum.

Motion Made / Seconded: Carlton / Stone

Motion passed 19-0 (Absent: Brisbane, Daly City, Millbrae)

6. DELEGATE AUTHORITY TO THE CHIEF EXECUTIVE OFFICER TO EXECUTE AN AGREEMENT WITH ENERGY SOLUTIONS TO CONDUCT THE MULTI-UNIT DEWELLING (MUD) LOW POWER ELECTRIC VEHICLE CHARGING PILOT IN AN AMOUNT NOT TO EXCEED \$400,000 OVER THREE YEARS

Jan Pepper reported that 50% of San Mateo County residents live in Multi-Unit Dwellings (MUD), and that this proposal will focus on low power EV (Electric Vehicle) charging options for MUDs in the County of San Mateo. Rafael Reyes—Director of Energy Programs—reported that this initiative is part of PCE’s Local Programs Roadmap involving transportation and building electrification to improve EV infrastructure.

Rafael reviewed EV charging types and EV infrastructure challenges, and he announced the goal of the project is to identify and pilot administrable and more affordable Level 1 charging technology. Board members discussed access to EV chargers, the efficacy of different types of EV chargers, and the Local Programs budget.

PUBLIC COMMENT:

John Keener

Motion Made / Seconded: Yost / Romero

Motion passed 19-0 (Absent: Brisbane, Daly City, Millbrae)

7. BRIEFING ON SAN MATEO COUNTY ENERGY AND WATER STRATEGY

Kim Springer— Resource Conservation Program Manager for the Office of Sustainability for the County of San Mateo—reported that the new San Mateo County Energy and Water Strategy is an update to the strategy that was adopted by the Board of Supervisors of San Mateo County in 2008, and subsequently adopted by every City and Town in San Mateo County in 2009.

Kim reviewed the stakeholders groups involved in the development of the new Energy and Water Strategy, the energy goals and water goals, the current status of the strategy, and next steps through the end of 2019. Kim’s presentation includes the following link to the Draft San Mateo County Energy and Water Strategy 2025: <http://ccag.ca.gov/wp-content/uploads/2019/03/SMC-Energy-and-Water-Strategy-2025-MARCH-2019-DRAFT.pdf>

8. PCE RATE CHANGE UPDATE

Leslie Brown—Director of Customer Care—reported that in December the Board approved an extension for PCE to make rate adjustments for 2019. Leslie reported that the ERRA (Energy Resource Recovery Account) decision on adjustments to the PCIA (Power Charge Indifference

Adjustment) for 2019 has been delayed until at least July 1, 2019, and that PG&E implemented a partial rate change on March 1, 2019. She reported that PCE will adjust rates on May 1, 2019, to align with other non-generation PG&E rate changes and to coincide with the transition to the summer billing season. She reported that PCE will have another rate adjustment when the ERRRA decision is implemented.

9. DEFAULT TIME OF USE (TOU) RATES OVERVIEW

Leslie Brown reported that California residential electric customers will begin transitioning to a new Time-of-Use (TOU) rate plan as approved by the CPUC (California Public Utilities Commission) starting in October 2020. She reviewed the current rate structure, the new TOU rate structure, and the implementation timeline. Leslie also reported that preliminary results from a Phase 1 TOU transition pilot that began April 1, 2018 with 150,000 customers, indicated that customers have reduced load on the new TOU rates.

Leslie reported on and reviewed ways that PG&E and CCAs (Community Choice Aggregator) have collaborated on the TOU Transition, and she reviewed customer noticing and outreach about the transition. Leslie reviewed a Bill Protection feature that IOUs (Investor Owned Utilities) offer for the first 12 months to allow customers to try the new TOU rate risk free, and reported that PG&E will present their Bill Protection Analysis for PCE's territory at the April 2019 Board meeting.

PUBLIC COMMENT:

Ted Howard

10. BOARD MEMBERS' REPORTS

Board members discussed upcoming legislation and opportunities to reach out to legislators.

ADJOURNMENT

Meeting was adjourned at 8:42 p.m.



**PENINSULA CLEAN ENERGY AUTHORITY
Board Correspondence**

DATE: April 15, 2019

BOARD MEETING DATE: April 25, 2019

SPECIAL NOTICE/HEARING: None

VOTE REQUIRED: None

TO: Honorable Peninsula Clean Energy Authority (PCE) Board of Directors

FROM: Kirsten Andrews-Schwind, Senior Manager, Communications and Outreach
Leslie Brown, Director of Customer Care

SUBJECT: Update on PCE's Marketing and Outreach Activities and Enrollment Statistics

BACKGROUND:

The Communications Team has been busy managing press coverage, public relations, local programs marketing, community outreach, PCE's online and social media presence, responding to customer requests, and preparing future campaigns.

DISCUSSION:

Cleaner Energy at Lower Rates: \$18 Million in Customer Savings and National Recognition from USEPA

PCE issued a press release that it saved San Mateo County customers \$18 million on their electricity bills in 2018, while also earning San Mateo County and its 20 cities national recognition for commitment to renewable energy. PCE distributed a press release with countywide results and provided each city with a press release template celebrating its local customer savings and EPA recognition.

This year the U.S. Environmental Protection Agency (EPA) recognized San Mateo County and all 20 of its cities as new members of its national Green Power Community

program, based on PCE's ECOplus clean energy mix containing at least 50 percent renewable energy.

The EPA also individually honored 15 cities, plus the County of San Mateo, that have opted to purchase 100 percent renewable energy from PCE for their municipal operations through its voluntary ECO100 green power program. Atherton, Belmont, Brisbane, Burlingame, Colma, Foster City, Half Moon Bay, Hillsborough, Menlo Park, Millbrae, Portola Valley, Redwood City, San Carlos, San Mateo, Woodside, and the County of San Mateo have been officially recognized by the EPA as Green Power Partners.

Refrigerator Recycling Program Launched

PCE launched a refrigerator recycling program, one of its six pilot programs approved in 2018. ARCA will responsibly recycle and dispose of old refrigerators and freezers to capture high impact greenhouse gas sources and prevent contaminants from getting into the landfill. ARCA provides pick up and disposal services adhering to strict EPA standards. Residents will receive a \$35 incentive for participating. The program will run on a first-come first-served basis until 350 units are recycled.

To learn apply and learn more about the program qualifications visit <https://www.peninsulacleanenergy.com/fridge>.

Recent Press Coverage

Peninsula Clean Energy continues to enjoy local and national press coverage:

- ["Juggling Renewables"](#), The Almanac, April 2019
- ["The Hurricanes of the West — Wildfires — Spur More Microgrids in California"](#), Microgrid Knowledge, April 2019
- ["San Mateo County Readies \\$2,000 Grants For EV Charging Stations"](#), CleanTechnica, March 2019

Upcoming Community Outreach Including Earth Day Events

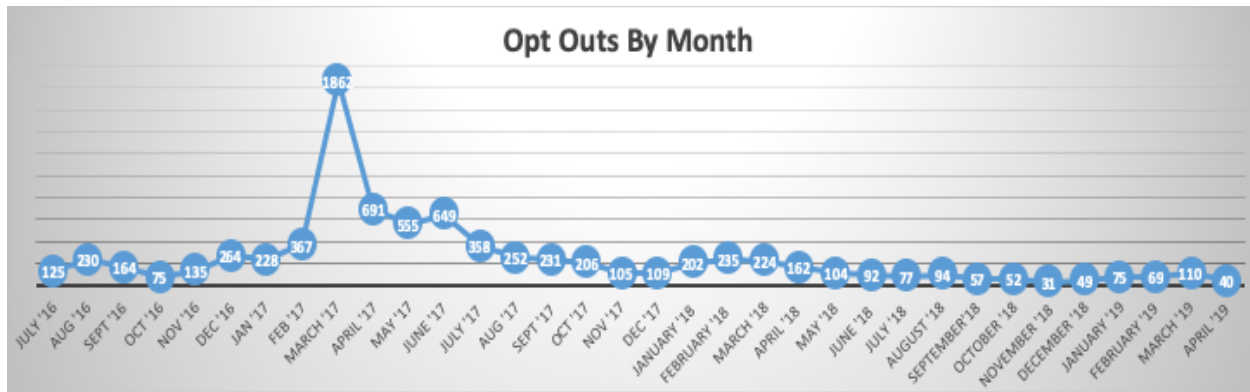
Peninsula Clean Energy will participate in the following events for community outreach. Please let us know if you would like to join us at any event or suggest other events in your community.

27-Apr	Steam Fest	Redwood City	San Mateo County History Museum, 2200 Broadway, Redwood City, CA 94063
27-Apr	Earth Day @ Shoreway	San Carlos	Shoreway Environmental Center, San Carlos

27-Apr	Pacifica EcoFest	Pacifica	Pacifica State Beach
27-Apr	YMCA Healthy Kids Day	San Mateo	YMCA San Mateo
27-Apr	Earth Day Celebration SSF Scavenger	South San Francisco	South San Francisco Scavenger
28-Apr	Kermes Dia del Nino	North Fair Oaks	Fair Oaks Library
4-May	Atherton Earth Day	Atherton	Jennings Pavilion in Holbrook Palmer Park
4-May	Daly City Earth Day	Daly City	City Hall Parking Lot
5-May	Streets Alive in Burlingame	Burlingame	Park Road, Burlingame
5-May	EPA Cinco de Mayo	East Palo Alto	East Palo Alto
9-May	Bike to Work Day 2019	South San Francisco	SSF BART Energizer Station
10-May	Asm Kevin Mullin Community Benefits & Resource Fair	San Mateo	2645 Alameda de las Pulgas, San Mateo
15-May	DriveForward Speaker Series	Redwood City	Sobrato Center
15-May	East Palo Alto Senior Lifestyle Expo	East Palo Alto	Lewis & Joan Platt YMCA
16-May	Access to Higher Education Scholarship Awards	Daly City	Daly City City Hall
23-May	Daly City Active Adults / Senior Fitness & Resource Fair	Daly City	Pacelli Event Center, 145 Lake Merced Blvd
2-Jun	San Bruno Community Day in the Park	San Bruno	San Bruno City Park
14-Jun	Oracle Energy and Sustainability Summit	Redwood City	Oracle Conference Center, RWC
15-Jun	Hillsborough Earth Day	Hillsborough	Hillsborough Town Hall
29-Jun	Coyote Point Kite Festival	Coyote Point	Coyote Point Rec Center

Enrollment Statistics to Date

Opt-out rates increased slightly in March perhaps due to the cold January and February weather leading to increased spending on natural gas for heat, motivating customers to examine their bills. That said, we are still enjoying a significant decrease in opt-outs from the previous year: in March 2018 there were 224 opt-outs, and there were 110 opt-outs in March 2019. Six cities maintained their participation rate in March with zero opt-outs: Atherton, Colma, Brisbane, Menlo Park, Portola Valley, Woodside. Our overall participation rate is 97.53% of eligible accounts.



Opt-Outs by City

CITY	Eligible Accts	Total	TOTAL OPT OUT %
PORTOLA VALLEY INC	1,677	110	6.56%
SAN BRUNO INC	16,518	641	3.88%
PACIFICA INC	15,453	546	3.53%
SO SAN FRANCISCO INC	25,230	890	3.53%
EAST PALO ALTO INC	7,917	260	3.28%
DALY CITY INC	33,942	1090	3.21%
MILLBRAE INC	9,356	272	2.91%
HALF MOON BAY INC	4,967	143	2.88%
UNINC SAN MATEO CO	24,492	693	2.83%
SAN MATEO INC	44,039	1134	2.57%
BELMONT INC	11,927	298	2.50%
SAN CARLOS INC	14,593	360	2.47%
HILLSBOROUGH INC	4,048	89	2.20%
REDWOOD CITY INC	35,095	744	2.12%
BURLINGAME INC	15,402	326	2.12%
BRISBANE INC	2,486	50	2.01%
FOSTER CITY INC	14,757	295	2.00%
WOODSIDE INC	2,292	41	1.79%
COLMA INC	694		
ATHERTON INC	2,701	42	1.55%
MENLO PARK INC	15,725	226	1.44%
Grand Total	303,311	8,261	2.72%
Adjusted Total	303,311	7,501	2.47%

There are now over 5,500 accounts in ECO100. In addition to the County, there are a total of 15 ECO100 cities. The ECO100 towns and cities as of April 15, 2019 include Atherton, Belmont, Brisbane, Burlingame, Colma, Foster City, Half Moon Bay, Hillsborough, Menlo Park, Millbrae, Portola Valley, Redwood City, San Carlos, San Mateo, Woodside, and the County of San Mateo.

The opt-up rates below include municipal accounts, which may noticeably increase the rate in smaller jurisdictions.

Active Accounts by City and Opt-Up Rate

City	ECO100	Active Accounts	Opt-Up %
Atherton	55	2,612	2.11%
Belmont	158	11,527	1.37%
Brisbane	84	2,428	3.46%
Burlingame	323	15,015	2.15%
Colma	28	674	4.15%
Daly City	70	32,768	0.21%
East Palo Alto	18	7,596	0.24%
Foster City	312	14,335	2.18%
Half Moon Bay	90	4,762	1.89%
Hillsborough	63	3,929	1.60%
Menlo Park	444	15,385	2.89%
Millbrae	94	9,070	1.04%
Pacifica	136	14,879	0.91%
Portola Valley	1,472	1,576	93.40%
Redwood City	648	34,016	1.90%
San Bruno	86	15,737	0.55%
San Carlos	267	14,101	1.89%
San Mateo	604	42,756	1.41%
So San Francisco	84	24,100	0.35%
Uninc San Mateo Co	482	23,528	2.05%
Woodside	52	2,229	2.33%
Grand Total	5,570	293,267	1.90%



**PENINSULA CLEAN ENERGY AUTHORITY
Board Correspondence**

DATE: April 16, 2019
BOARD MEETING DATE: April 25, 2019
SPECIAL NOTICE/HEARING: None
VOTE REQUIRED: None

TO: Honorable Peninsula Clean Energy Authority (PCE) Board of Directors

FROM: Joseph Wiedman, Director of Regulatory and Legislative Affairs
Jeremy Waen, Manager of Regulatory Affairs
Doug Karpa, Senior Regulatory Analyst

SUBJECT: Update on PCE's March and April Regulatory and Legislative Activities

SUMMARY:

The end of March and early April were a very busy time for the regulatory and legislative team. As discussed in more detail below, PCE, as part of CalCCA (California Community Choice Association), a coalition of CCAs (Community Choice Aggregators) or on its own behalf, submitted six pleadings at the California Public Utilities Commission (CPUC or Commission) or before other regulatory bodies in the state. PCE's regulatory and legislative team attended two other stakeholder meetings and two ex parte meetings with CPUC Commissioner advisors, detailed below.

DEEPER DIVE:

Regulatory Advocacy and Outreach

R.19-03-009 – Direct Access Expansion – On March 14, 2019, the Commission issued an order opening a docket to implement Senate Bill 237 (Hertzberg). SB 237 authorized an increase in the current cap on direct access by 4000 gigawatt hours (GWh). Direct access is a program that allows nonresidential customers in the service territories of the state's investor-owned utilities (IOUs) to choose energy service from a non-utility provider, called an energy service provider (ESP).¹ The order raises various issues to be discussed in the docket including a proposed allocation of the 4000 GWh by Commission staff, compliance with resource adequacy requirements, eligibility to enroll in direct access, and certain other minor matters related to direct access program rules. On April 4, 2019, Joseph Wiedman attended a prehearing conference at the Commission. At the prehearing conference the scope and schedule of the

¹ More information on the CPUC's Direct Access program can be found at:
<http://www.cpuc.ca.gov/General.aspx?id=7881>

docket were discussed as were the issues to be addressed in the docket. On April 5, 2019, CalCCA filed comments on the order raising various concerns including the need to allocate the 4000 GWh among community choice aggregators and the IOUs in a fair and reasonable manner so that no one entity is impacted disproportionately, implementation of a corollary to Commission Resolution E-4907 so that CCA's and the IOU's remaining customers do not bear resource adequacy costs for customers that depart to direct access service providers, the need for CCAs to have access to information on the direct access waitlist so they can plan for the amount of load that will likely depart, and clarification of certain direct access rules regarding switching between direct access and CCA service so that direct access customers can choose to take unbundled service from their CCA without losing their place in the DA program or their cost allocation vintage. CalCCA also requested that the process for development of the direct access report required by SB 237 be explicitly laid out so parties have an opportunity to assist the Commission in the production of the report. On April 8, 2019, Joseph Wiedman attended a workshop at the Commission where parties discussed the issues in the docket including the issues CalCCA raised in its opening comments. On April 10, 2019, CalCCA filed reply comments which reinforced the need to address the issues CalCCA identified in its opening comments. A proposed decision on threshold issues in the docket relating to allocation of the 4000 GWh is anticipated on April 30, 2019.

R.17-09-020 – Resource Adequacy (RA) – The CPUC's RA proceeding continues on two tracks - Track 2 (Local RA reform) and Track 3 (2020 RA requirements and other proposals). In Track 2, the Commission reached a Decision on Thursday, February 21, 2019 that adopts a multi-year Local RA requirement for 2019, but the Decision punts the implementation of a Central Buyer for Local RA to a second Track 2 Decision that the CPUC intends to reach by Q4 of 2019. The Decision directs for at least three workshops to be convened between now and October to further deliberate over a Central Buyer construct to inform that Q4 Decision. The first of these workshops has been scheduled as a two-day workshop on April 22, 2019 and April 23, 2019. CalCCA is preparing its strategy and outreach for its continued engagement within this case. Track 3 of the RA case is intended to adopt RA requirements for year 2020 and consider additional outstanding proposals raised by parties within this proceeding. CalCCA prepared and submitted a proposal on March 4, 2019 advancing two primary concepts: 1) Reform to how load forecasts, which inform RA requirements, are done by the California Energy Commission (CEC) and how year-ahead local requirements are sensitive to individual load serving entities' (LSEs) load profiles, and 2) Requesting the CPUC create a short-term RA sales framework for the IOUs to guide how they are able to sell their excess RA. On Tuesday, March 12, 2019 and Wednesday, March 13, 2019, the CPUC convened workshops to consider parties' Track 3 proposals. The workshops covered numerous topics including several parties' proposals for improved load forecasts for each load serving entity (LSE). The Commission staff did not entertain CalCCA's request to explore creating a short-term RA sales framework for the IOUs. On March 22, 2019, CalCCA submitted comments responding to parties' proposals and matters discussed at the workshops. These comments primarily reiterated the positions advanced in CalCCA's proposal filed on March 4, 2019.

R.19-01-011 – Building Decarbonization – On Monday, March 11, 2019, PCE joined four other CCAs in submitting comments to the PUC on the Building Decarbonization OIR. The comments expressed general support for the docket, called for a third party administrator of the \$50 million of decarbonization funds for all energy customers, offered several recommendations for streamlining program implementation for home owners, and requested close alignment with Title 20 and 24 codes. In addition, on March 25, 2019, PCE jointly submitted reply comments joining numerous environmental parties in opposing the inclusion of renewable natural gas in the scope of the proceeding, urging the Commission to ensure that deployed technologies be

smart-grid ready, and to ensure a neutral program administrator to promote deployment to homeowners of all incomes. This proceeding will also be a forum to advocate for decarbonization to incorporate smart-grid ready appliances that can interface with Distribution Energy Resource Management Systems (DERMS) or other similar technologies.

R. 16-02-007 Integrated Resources Planning (IRP) – On March 25, 2019, the CPUC released a Proposed Decision that found that the LSEs are collectively failing to meet the state's greenhouse gas emissions targets and that the CCAs in particular are not contracting with natural gas resources that may be needed for reliability purposes in future years. The Proposed Decision also would open a procurement track ostensibly to order the state's LSEs to contract for reliability, renewable integration resources, and greenhouse gas free resources. On April 4, 2019, the Commission held an All-Party Meeting to provide a forum for parties to discuss the Proposed Decision. All five commissioners attended the All-Party Meeting. Doug Karpa joined a panel at the meeting with three other CCA representatives to communicate a strong willingness to work with the Commission to develop a robust IRP process that fixes the many issues with the current round of integrated resources planning. The CCA representatives argued that the modeling to date is insufficient to support the findings in the Proposed Decision, that CCAs have proven capable of procuring resources, and that a procurement track is premature. PCE took a lead role in developing these arguments further in CalCCA's comments on the proposed decision which were filed on April 8, 2019. On April 11, 2019, Joseph Wiedman and Doug Karpa attended an ex parte meeting with Sean Simon, energy advisor to Commissioner Rechtschaffen, along with representatives from East Bay Community Energy. Discussion focused on CCA's concerns with the proposed decision with a particular focus on the need to develop a process within the docket that will identify natural gas resources that can be taken offline with targeted procurement so that CCAs can procure in ways that advance the state's policy of decreasing the use of natural gas fired generation resources. On April 15, 2019, Doug Karpa and representatives of East Bay Community Energy met with Amy Reardon, advisor to Commissioner Guzman-Aceves to discuss CCA's concerns with the Proposed Decision and the need for data to shape procurement as discussed in the previous ex parte. PCE also led the drafting of Cal CCA's reply comments which were filed on April 15, 2019.

AB1110 Proposed Regulations – On March 20, 2019, PCE submitted comments to the California Energy Commission jointly with our CCA partners to advocate that the Power Source Disclosure regulations accurately reflect the procurement choices of the CCAs and not other system decisions by the CPUC to order natural gas projects for reliability, among other technical issues. A further regulatory drafting process is expected to commence shortly.

Legislative Advocacy and Outreach

On April 3, 2019, Rick Bonilla and Joseph Wiedman attended CalCCA's lobby day. Mr. Bonilla and Mr. Wiedman met with the following individuals on behalf of CalCCA and PCE: (1) Nidia Bautista, Chief Consultant, Senate Committee on Energy, Utilities & Communications; (2) Mary McDonald, Chief Consultant, Assembly Committee on Utilities & Energy; (3) Laura McWilliams, Chief of Staff, Senator Hill; (4) Alice Reynolds, Energy Policy Advisor & Governor's Strike Team; (4) Assemblymember Berman and staff; (5) Assemblymember Mullin and staff; (6) Senator Wiener and staff; and (7) Kip Lipper, Chief Energy Advisor, Senate President Pro Tem Toni Atkins.

Moreover, as the legislative session gets underway, CalCCA has taken positions on a number of bills:

AB 56 (Garcia)² would create a statewide central procurement entity known as the California Clean Electricity Authority to procure retail energy and manage power supply commitments. CalCCA position: Oppose.

SB 155 (Bradford)³ would allow the CPUC to audit LSEs for compliance with the Renewables Portfolio Standard (RPS) requirements and ensure corrective action when there is no compliance. Requires the CPUC to ensure that LSEs follow their IRPs and enforce the requirement that 65% of RPS procurement be from contracts of 10+ years. CalCCA is concerned that this bill would reduce a CCA's flexibility and autonomy, increase CCA's procurement costs, and affect CCAs' programmatic goals and other procurement alternatives. CalCCA position: Oppose.

SB 255 (Bradford)⁴ would make changes to existing laws that require certain electrical corporations and others to submit annual plans for increasing procurement from women, minorities, disabled veterans, and LGBT business enterprises. PCE position: Support. CalCCA position: Support.

SB 288 (Wiener)⁵ would state the Legislature's intent that customers have a fundamental right to generate renewable energy behind the meter using their own property, require updating of interconnection standards to ensure California's standards remain among the best in the country, and require production of report on interconnection fees, timelines and processes to inform future discussions. PCE position: Support. CalCCA position: none.

AB 1362 (O'Donnell)⁶ would overturn SB 790 (Leno), signed into law in 2011, which tasked the CPUC with adopting a Code of Conduct (D.12-12-036) to prohibit Investor Owned Utilities (IOUs) from marketing against CCAs unless it is done through a shareholder-funded independent marketing division. According to the CPUC, the rules are intended to level the playing field and prevent IOUs from using their position or market power to undermine CCA development. SB 790 was signed into law after PG&E spent \$46 million on a failed campaign to support Proposition 16, a 2010 statewide ballot initiative that would have stopped the formation CCAs in California. CalCCA position: Oppose.

SB 350 (Hertzberg)⁷ would authorize the CPUC to consider a multiyear centralized resource adequacy mechanism, among other options, to most efficiently and equitably meet specified resource adequacy objectives. CalCCA position: Watch.

² Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200AB56

³ Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200SB155

⁴ Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200SB255

⁵ Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200SB288

⁶ Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200AB1362

⁷ Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200SB350

SB 520 (Hertzberg)⁸ would authorize the CPUC to develop threshold attributes for a load-serving entity to serve as a provider of last resort and to establish a mechanism, such as an auction, for determining which load-serving entity should serve as provider of last resort.
CalCCA position: Watch.

SB 524 (Stern)⁹ would require ratepayer-funded energy efficiency (EE) projects over \$50k to be completed by skilled and trained workforce. The CPUC recently developed workforce standards that established the high dollar threshold at \$100k for EE projects. CalCCA is concerned that this change could cause workforce shortages, increase project costs, and may disproportionately exclude the labor force in disadvantaged communities.
CalCCA position: Watch.

SB 676 (Bradford)¹⁰ would require the CPUC to establish electric vehicle (EV) integration targets for IOUs with at least 200K customers and subtargets for CCAs with at least 200,000 customers by December 31, 2020.
CalCCA position: Watch.

SB 772 (Bradford)¹¹ would require the California Independent System Operator (CAISO) to complete a competitive solicitation process for the procurement of one or more long duration energy storage projects that in aggregate have at least 2,000 megawatts capacity, but not more than 4,000 megawatts.
CalCCA position: Watch.

SB 774 (Stern)¹² would require each electrical corporation to collaborate with local governments and other interested parties in its service territory to identify locations where microgrids may provide increased electrical resiliency.
CalCCA position: Support, if amended.

AB 753 (Garcia)¹³ would require CARB to earmark at least 30% of funds allocated to the Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP) in the annual Budget Act toward alternative fuels and fuel infrastructure that prioritize projects utilizing feedstock derived from in-state-sourced waste streams.
CalCCA position: Watch.

AB 915 (Mayes)¹⁴ would extend the RPS trajectory to 80% by 2038, makes fossil resources eligible renewables beginning in 2026 if certain avoided carbon cost thresholds are reached and includes large hydro in definition of renewables beginning in 2030.
CalCCA position: Watch.

AB 983 (Boerner Horvath)¹⁵ would require electrical corporations to work with local or regional planning agencies for the deployment of electric vehicle charging infrastructure.
CalCCA position: Watch.

⁸ Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200SB520

⁹ Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200SB524

¹⁰ Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200SB676

¹¹ Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200SB772

¹² Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200SB774

¹³ Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200AB753

¹⁴ Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200AB915

¹⁵ Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200AB983

AB 1054 (Holden)¹⁶ would add new areas of expertise required for the CPUC chief internal auditor; likely to address gaps in CPUC performance.
CalCCA position: Watch.

AB 1144 (Friedman)¹⁷ would require the CPUC to reserve 10% of funds collected for the Self-Generation Incentive Program (SGIP) for the calendar year 2020 to be allocated to 3-5 pilot projects for the installation of community energy storage systems in communities within high fire threat districts.
CalCCA position: Watch.

AB 1584 (Quirk)¹⁸ would allow the CPUC to audit LSE compliance with RPS requirements and ensure corrective action is taken to comply. The legislation would also require the CPUC to ensure that LSEs follow their IRPs and enforce the requirement that 65% of RPS procurement be from contracts of 10+ years.
CalCCA position: Oppose.

FISCAL IMPACT:

Not applicable.

¹⁶ Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200AB1054

¹⁷ Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200AB1144

¹⁸ Available at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201920200AB1584



**PENINSULA CLEAN ENERGY
JPA Board Correspondence**

DATE: Apr. 15, 2018

BOARD MEETING DATE: Apr. 25, 2018

SPECIAL NOTICE/HEARING: None

VOTE REQUIRED: None

TO: Honorable Peninsula Clean Energy Authority Board of Directors

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

SUBJECT: Local Programs Report

SUMMARY

The following programs are in progress, and detailed information is provided below:

- Building and EV Reach Codes
- EV Ride and Drives
- Low-Income EV Incentive Program (DriveForward Electric)
- Apartments EV Technical Assistance
- Community Pilots

The following programs are in transition:

- Curbside & Multi-Unit Dwelling (MUD) Pilot: This pilot program will foster new low-power charging technology solutions, pilot them in MUDs, and assess the technologies and document the results. Energy Solutions was selected as the consultant partner as part of a competitive proposal process. The Board approved the contract terms in the March 2019 board meeting. The contract is now undergoing refinement and is expected to be executed soon.
- The EV Charging Infrastructure Incentive Program: Program was approved in the December 2018 board meeting and is under development with a targeted launch in summer 2019. This program was funded at \$16 million over four years to provide incentives and technical assistance for the deployment of 3,500 EV charging ports. Work under development includes defining the qualifications and incentives, establishing the associated technical assistance and workforce

programs, hiring support staff, and acquiring a software system for program tracking.

DETAIL

Building and EV Reach Codes

PCE is working with local governments to support the adoption of low-carbon and EV ready building reach codes. PCE and its partners are holding a second webinar on April 24th and are taking input on the draft model reach codes through May 15th. Cities can request 1-on-1 meetings with the program team and consultants for a detailed discussion. After the model measures are finalized, PCE will provide code language for prospective adoption by approximately May 31st. Cities are invited to submit a Letter of Intent to receive \$10,000 in support funding. For further details please see the separate Reach Codes memo in the packet.

EV Ride & Drives

This program is one of PCE's two core elements for EV marketing (the other is the New EV Dealer Incentive Program) and it provides for community and corporate events in which community members can try a range of EVs in a non-sales environment. The program is based on research strongly indicating that direct experience with EVs is a major factor affecting whether drivers purchase an electric vehicle.

As previously reported, in 2018 five events were held and reached over 1,000 participants. The program includes six-month trailing surveys to gauge impact. The first survey results of the August 2018 events (events held at Genentech and Facebook, with 78 respondents out of 206 contacted) indicate very strong impact from the events:

- **18% have acquired an EV since the event** (bought or leased)
- 86% indicated the test drive positively impacted their decision
- 49% visited a dealership
- 91% looked online for information on EVs
- 95% have spoken to family or associates about EVs
- 35% "definitely" plan on acquiring an EV in the next 2 years, 52% "likely"

In February 2019, the Board approved ramping up the program with a 3-year program intended to yield 10 to 25 events per year and significantly increase social media visibility. The following events are scheduled: STEAM Fest in Redwood City on April 27, Visa in Foster City on May 8, Colma Community Festival in Colma on July 13, and Facebook Festival in Menlo Park on August 17. Others are being explored.

Low-Income EV Incentive Program (DriveForward Electric)

The program will provide a \$4,000 incentive for the purchase of used plug-in hybrid electric vehicles (PHEVs) to low- and moderate-income San Mateo County residents with access to a standard outlet at home or work. PCE will offer this incentive through Peninsula Family Service's DriveForward program, which is a robust program that

provides financial coaching and access to financing to help participants purchase reliable used vehicles. PCE has a program web page available at peninsulacleanenergy.com/driveforwardelectric/. PCE's contract with Peninsula Family Service (PFS) has been executed following Board approval at the January 2019 meeting.

The program had a soft launch with a special workshop on March 2, 2019, targeting PCE customers on the California Alternate Rates for Energy Program (CARE) utility discounted rate program. Approximately 40 attendees participated to learn about the program and financial empowerment services. Two plug-in hybrids were brought to the event and nearly a dozen participants inspected the vehicles and got questions answered. Two participants have been approved for a loan and are currently looking for a PHEV. More 1-on-1 client meetings are in progress with PFS. Two more special workshops are scheduled, May 4 in Daly City and June 22 in Menlo Park, with many other dates offered through the PFS regular workshops in San Mateo.

A formal launch event will be held on May 15, from 8:30 am – 12:00 pm at the Sobrato Center in Redwood Shores. This half-day symposium will be focused on the nexus of transportation, climate, and the economy. Board members are invited to attend.

Apartments EV Technical Assistance

This EV infrastructure technical assistance program for apartments is a short-term program for 2018 and early 2019 aimed at assisting owners and facilities managers to install EV charging utilizing currently available technology (as compared to the Low-Power EV Charging Pilot which is aimed at potentially developing or facilitating new solutions). The program has included professional guidance on approaches, electrical assessments, and apartment policy development. A modest extension of the program was put in place as a stop-gap in the interim as the broader EV Infrastructure Incentive program is developed which will include a robust technical assistance program.

The current technical assistance program has been focused on identifying major property owners, securing contact information and consulting with multiple property owners. At least one major apartment owner is planning a significant deployment of EV infrastructure. However, response from property owners is uneven with some owners clearly disinterested. With the launch of the EV Infrastructure Incentive and larger scale technical assistance PCE intends to increase its outreach to elevate interest.

Community Pilots

PCE awarded grants of up to \$75,000 each for six innovative local pilot projects to reduce greenhouse gas emissions, support low-income customers, and advance electric transportation. Below is the status of each pilot project:

Pilot	Status
Refrigerator Recycling – ARCA	Program launched two weeks ago (4/10) with a press release, website launch, and Google ads.

Old refrigerator recycling program to capture high impact GHG sources.	Program will run until 350 units are recycled. Website: www.peninsulacleanenergy.com/fridge
Peninsula Climate Comfort – Ardenna Pilot for electrification retrofits for 5 homes for in-depth technical and financial assessment as development of financing strategy.	Application closed April 7. Ardenna screening applicants to select 5 participants. Website: www.climate-comfort.com
Healthy Home Connect – Build It Green Upgrade 10-16 low-income homes that would otherwise be disqualified from existing energy saving assistance programs using PCE gap funding.	Contract executed. Initial outreach has begun to assess prospective participants.
Community Resiliency at Faith Institutions – Interfaith Power & Light Recruit and develop plans to equip select number of faith institutions to be community hubs with clean energy back up power.	Contract executed. Initial outreach has begun to assess prospective participants.
Low to Moderate Income Community Car Sharing Deploy a select number of battery electric vehicles (EVs) to be used for car sharing within a low to moderate income community apartment complex.	Contract under development.
A Roadmap for Municipal Green Fleets – County Office of Sustainability Develop a clean fuel fleet toolkit for local governments, acquire pilot vehicles and scooters, and provide technical assistance to jurisdictions interested in electrifying their fleets.	Contract executed. Input from local governments on toolkit needs has begun. Resources are being collected and assessed and an initial website has been launched www.smcsustainability.org/greenfleet .



PENINSULA CLEAN ENERGY
JPA Board Correspondence

DATE: April 15, 2019
BOARD MEETING DATE: April 25, 2019
SPECIAL NOTICE/HEARING: None
VOTE REQUIRED: None

TO: Honorable Peninsula Clean Energy Authority Board of Directors

FROM: Jan Pepper, Chief Executive Officer

SUBJECT: Energy Supply Procurement Report – April 2019

BACKGROUND:

This memo summarizes agreements entered into by the Chief Executive Officer since the last regular Board meeting in March. This summary is provided to the Board for information purposes only.

DISCUSSION:

The table below summarizes the contracts that have been entered into by the CEO in accordance with the following policy since the last board meeting.

Execution Month	Purpose	Counterparty	Term
March	Purchase of Hedged Energy	Exelon Generation Company, LLC	1 year
March	Sale of Resource Adequacy	Monterey Bay Community Power Authority	1 month

In December 2017, the Board approved the following Policy Number 15 – Energy Supply Procurement Authority.

Policy: “Energy Procurement” shall mean all contracting for energy and energy-related products for PCE, including but not limited to products related to electricity, capacity, energy efficiency, distributed energy resources, demand response, and storage. In

Energy Procurement, Peninsula Clean Energy Authority will procure according to the following guidelines:

- 1) **Short-Term Agreements:** Chief Executive Officer has authority to approve energy procurement contracts with terms of twelve (12) months or less. The CEO shall report all such agreements to the PCE board monthly.
- 2) **Medium-Term Agreements:** Chief Executive Officer, in consultation with the General Counsel, has the authority to approve energy procurement contracts with terms greater than twelve (12) months but not more than five (5) years. The CEO shall report all such agreements to the PCE board monthly.
- 3) **Intermediate and Long-Term Agreements:** Approval by the PCE Board is required before the CEO enters into energy procurement contracts with terms greater than five (5) years.