



**Community Advisory Committee Meeting**  
Monday, November 14, 2022  
6:00pm

In person:

The Lake Merritt Room  
Cal State East Bay - the Oakland Center  
In the Transpacific Centre  
1000 Broadway, Suite 109  
Oakland, CA 94607

or via Zoom:

<https://us02web.zoom.us/j/84794506189>

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Webinar ID: 847 9450 6189

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*If you have anything that you wish to be distributed to the Committee, please email it to the clerk by 5:00 pm the day prior to the meeting.*

## **C1. Welcome & Roll Call**

## **C2. Public Comment**

*This item is reserved for persons wishing to address the Committee on any EBCE-related matters that are not otherwise on this meeting agenda. Public comments on matters listed on the agenda shall be heard at the time the matter is called. As with all public comment, members of the public who wish to address the Committee are customarily limited to three minutes per*

*speaker and must complete an electronic [speaker slip](#). The Committee Chair may increase or decrease the time allotted to each speaker.*

**C3. Local Programs Update (CAC Informational Item)**

Staff will provide an update on Local Programs

**C4. Approval of Minutes from October 17, 2022**

**C5. CAC Chair Report**

**C6. Health-E Communities (CAC Action Item)**

Staff will describe a plan to develop a program proposal to deploy \$15,000,000 in local development funds to deliver home electrification to households where one or more residents suffers from asthma.

**C7. CAC Member and Staff Announcements including requests to place items on future CAC agendas**

**C8. Adjournment to Monday, December 19, 2022 at 6:00 pm**



CAC Item C3

Staff Report Item 18

**TO:** East Bay Community Energy Board of Directors

**FROM:** JP Ross, Vice President Local Development, Electrification and Innovation

**SUBJECT:** Local Programs Update

**DATE:** November 16, 2022

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### **Recommendation**

Accept the informational update on Local Programs

### **Background:**

EBCE has been active in developing and implementing programs approved in the '22-'23 Local Programs budget. Several of these programs have recently been initiated through public solicitations, including:

- Energy Efficiency and Grid Services Request for Proposals
- EBCE Ride Electric E-Bike Program Request for Proposals
- Zero Emissions Medium and Heavy Duty Goods Movement Electrification Loan
- Municipal Electrification Loans (to be developed)

Staff will be evaluating proposals and program design for the programs listed above. Final program details and contracts will be brought back to the Board of Directors for approval in the coming months.

### **Program Details:**

#### **Energy Efficiency and Grid Services Programs**

EBCE has “elected” to administer energy efficiency programs on behalf of EBCE customers. EBCE’s Energy Efficiency Program Plan and Advice Letter were certified by the CPUC in Resolution E-5215 in September 2022. The Resolution allocates a budget

of \$13,463,049 in funding collected from EBCE's customers for EBCE to administer a commercial energy efficiency program.

This program will leverage emerging pay-for-performance (P4P) program approaches to offer cost-effective projects for large, non-residential, customer accounts. Projects will focus on high-potential opportunities for peak load management and building electrification. The primary objectives of this program are to: 1) Deliver cost-effective energy savings to commercial customers, 2) Cross-promote demand response to maximize peak load reductions for energy efficiency projects, and 3) Encourage electrification of existing natural gas end uses to achieve GHG reductions.

EBCE is targeting commercial customers for this program given they consume 58% of the entire load and make up 6% of all accounts. Commercial customers are responsible for a significant amount of EBCE's total electric load, and the time of day that customers use this energy contributes to the price they pay, the burden on the grid, and the associated GHG emissions. Within this segment, EBCE will target customers with high peak usage due to the cost-effective nature of use reduction and price signals from time-of-use (TOU) rates. Total savings from the Energy Efficiency program is estimated to be 30GWh.

EBCE is also requesting proposals for grid services to reduce demand during morning and evening peak hours. Building flexible load management capabilities requires planning and clear pricing signals to customers and the market. EBCE grid services program establishes a clear pricing signal over 5 years for measurable peak load reductions.

#### Planned Next Steps:

December '22: Proposals submitted

January '23: Shortlist and interview vendors, negotiate Services Agreement

February '23: Request BOD approval of Vendor agreement(s)

March '23: Launch Program

#### **Ride Electric e-Bike Program**

EBCE is seeking to provide a comprehensive e-Bike Program to increase adoption of zero-emission micromobility options that are safe, affordable and reduce motor vehicle trips across our service area. The EBCE Ride Electric e-Bike Program will provide EBCE's customers with the opportunity to get hands-on experience using e-Bikes and reduce the cost of ownership.

EBCE allocated \$2 million dollars for micromobility in the FY'23 budget and is planning to allocate an additional \$2 million dollars in both the FY'24 and FY'25 budgets for a total of \$6 million over 3 years. The e-Bike Program will have **two components, including:**

1. **e-Bike Incentive Program:** EBCE plans to allocate \$4M over three years to an e-Bike incentive that is intended to increase adoption and ownership of electric bikes in EBCE's service territory. Incentives will be available to all customers, with 40% of incentives dedicated to low income customers on EBCE's CARE electricity rate.
2. **e-Bike Lending Program:** EBCE plans to allocate \$2M over three years to stimulate e-Bike ownership beyond the financial limits of EBCE's ability to provide incentives. EBCE is soliciting proposals for an e-Bike Lending Program that will allow residents to check out e-Bikes for a to-be-determined period of time. Borrowing an e-Bike will enable EBCE's customers to gain hands-on experience to determine if an e-Bike could meet the needs of their daily activities. The intent of the e-Bike Lending Program will be to increase awareness and enthusiasm for e-Bikes, resulting in residents eventually purchasing e-Bikes. The Lending Program will be coordinated with the Incentive Program as long as incentive funds last.

EBCE is aware there may be other local, regional, state and federal funding available for e-Bikes in 2023. Proposals that leverage these external funding sources are encouraged and will be evaluated according to how they increase e-Bike Program availability, participation, and community benefit.

#### Next Steps

January '23: Deadline for proposals, Shortlist vendors, negotiate Services Agreement

February '23: Request BOD approval of Vendor agreement(s)

July '23: Launch EBCE Ride Electric Program

#### **Zero-emission Medium And Heavy-duty Goods Movement Project Loans**

EBCE is seeking to stimulate development of medium and heavy duty vehicle electrification projects in our Service Territory. Diesel particulate emissions from medium and heavy duty vehicles have a disproportionate effect on low income and disadvantaged communities. Electrification of these vehicles can reduce environmental burdens on our most impacted residents.

Electrification of goods movement is still in the early stages and capital can be challenging to raise for these types of projects. EBCE believes that the provision of lower cost capital for deploying electrification projects can stimulate investment in this sector.

EBCE is offering up to \$3M in loans at 5% interest for up to ten years to support zero-emission goods movement vehicle procurement and associated charging infrastructure. For this RFO, zero-emission vehicle technologies are defined as class 3-8 vehicles that generate zero tailpipe emissions. Eligible projects shall be powered by EBCE RE100 and must be registered, domiciled and operate on routes within EBCE's service territory and come online by July 2024. EBCE loans must be leveraged by a minimum of 3:1 with additional external investment capital.

Loans in standalone zero-emission MD/HD goods movement vehicle electrification or supporting charging infrastructure projects will be considered, but EBCE prefers projects that integrate both vehicle deployments and associated charging together. EBCE is prioritizing projects that reduce diesel fuel combustion in low income and disadvantaged communities and/or are within 2 miles of major highways as well as projects that support operators of small fleets (<10 vehicles).

#### Next Steps

November '22: Diligence on shortlisted projects

December '22: Negotiate loan agreement

January '23: Request BOD approval of loan agreement

#### Municipal Electrification Loan Program

**Electrification of buildings is necessary to meet our climate neutrality targets. EBCE has been providing technical assistance to our Cities through our Municipal Electrification Assistance program and is interested in continuing support for electrification projects.**

**EBCE is aware that member agencies are planning to electrify municipal buildings in pursuit of climate action priorities. Electrification projects can be capital intensive and though municipalities can raise low cost debt, the process can be cumbersome and may restrict electrification projects. Therefore, EBCE is planning to make \$2M in no/low cost project capital available to member agencies to facilitate deployment of electrification projects.**

**EBCE is aware that cities may be constrained on taking on debt for these types of projects. EBCE will engage with member agency staff to determine the best way to**

make the capital easily accessible to member agencies. Once the terms of the program have been defined EBCE will issue a call for projects to allow Cities, or the County, to submit funding requests for electrification projects.

The City of Piedmont is interested in utilizing EBCE funding to support a ~\$500k electrification project. Staff plans to work with Piedmont to determine how EBCE can support the project with the proposed EBCE loan fund. EBCE has allocated \$2M in the FY '23 budget to support municipal electrification loans. If member agencies have project capital requests that exceed the \$2M allocated, EBCE will return to the Board to request an increase in funds up to \$6M.

Q4 '22: Develop loan product with City feedback

December '22: seek BOD approval for Piedmont electrification loan

2023: Issue call for electrification projects

### Fiscal Impact

#### Energy Efficiency and Grid Services

EBCE will receive \$13.5M in funding from the CPUC to implement the Energy Efficiency program. Revenue losses from the reduction in energy sales will be offset by the savings associated with lower energy procurement required during peak hours. The grid services program will be cost neutral.

#### Ride Electric e-Bike Program

EBCE allocated \$2M for micromobility in the FY'23 budget which will support the first year of the ride electric program. EBCE will request additional funds in FY'24 and FY'25 annual budgeting process to support the three year Ride Electric program.

#### Zero Emission Goods Movement Loans

EBCE budgeted \$2M to support medium and heavy duty goods movement projects in FY'23 and has an additional \$1M from previous budget to allocate to this program. EBCE anticipates earning \$900,000 in interest payments on this investment over the 10 year period. EBCE anticipates additional revenue associated with the medium/heavy duty vehicle charging.

#### Municipal Electrification Loans

EBCE allocated \$2M in the FY'23 budget for municipal electrification loans. If member agencies request more funding for loans EBCE will return to the Board of Directors to request an additional appropriation of funds to support this program.

### Attachments

1. PowerPoint presentation

NOVEMBER 16, 2022

# EBCE Local Development Update

PRESENTED BY:

JP ROSS

VP LOCAL DEVELOPMENT, ELECTRIFICATION AND INNOVATION





## Background

EBCE Board approved \$22.5M local programs budget for FY'23. The following update describes some recent and upcoming solicitations to deliver benefits to EBCE customers. Staff will return to the Board to request approval of contracts resulting from these solicitations.

## Programs Summary

- Energy Efficiency and Grid Services
- EBCE Ride Electric e-Bike Program
- Zero Emissions Goods Movement Electrification Loan
- Municipal Loan Program

**Goal:** CPUC funded program to deliver cost-effective energy savings to commercial customers, Encourage electrification of existing natural gas end uses. Deploy EBCE funded demand management program to obtain additional peak reductions

## **Commercial P4P EE Program**

- CPUC ratepayer funded; \$13M
- Target large, non-res high-usage projects
- Incentives based on meter impacts for one year; kicker incentives between 4-9pm
- 4-year contract (including M&V)
- Implementer budget: \$11M

## **Additional Grid Services Program**

- EBCE funded; tied to additional procurement value
- Incentives based on meter impacts and paid over 5 years @ \$95 - \$115/MWh during morning and afternoon peak periods
- Incentives may stack with other residential and non-residential projects within service territory

# EBCE Ride Electric E-Bike Program

**Goal:** Allocate the \$2M budgeted to provide a comprehensive e-Bike Program to increase adoption of zero-emission micromobility options that are safe, affordable and reduce motor vehicle trips across our service area. Propose to allocate \$2M/yr from Local Development budget in FY'24 & FY'25 for a 3 year, \$6M program. EBCE will look to leverage other possible funding sources.

## Summary:

- **e-Bike Incentive Program:** \$4M to increase adoption and ownership of electric bikes. 40% of incentives will be dedicated to low-income customers on CARE.
- **e-Bike Lending Program:** \$2M to stimulate e-Bike ownership beyond the financial limits of EBCEs ability to provide incentives. Residents will be able to check out e-Bikes, enabling resident to gain hands-on experience to determine if an e-Bike could meet the needs of their daily activities and ultimately purchase e-Bikes. The lending and incentive programs will be coordinated to maximize impact.

# Zero Emission Medium & Heavy Duty Project Loan

**Goal:** Accelerate deployment of local medium/heavy duty vehicle electrification projects in EBCE territory.

## Summary

- Offer low-cost capital to support projects that can deliver zero emission goods movement in EBCE service territory while accelerating and scaling business models to electrify transportation
- EBCE is offering \$3M @5% in loans for zero-emission Medium and Heavy Duty goods movement projects EBCE territory that can deliver 3:1 investment ratio
- Installation work is required to be prevailing wage
- Projects need to be in service by July 2024

# Municipal Electrification Financing Program

Attachment Staff Report Item 18A

**Goal:** Assist Cities in electrifying municipal building by creating an easily accessible loan fund for electrification projects.

## Summary

- Utilize the \$2M in the FY'23 Budget to fund Municipal Electrification projects
- Provide funds through no/low interest financing to municipalities to pursue electrification projects with cities able to submit project proposals to EBCE for projects that commence construction within next 12 months
- City of Piedmont has near term opportunity to leverage \$500k of these funds to support electrification of municipal pool and is seeking EBCE commitment of funds before end of 2022
- Staff proposes to begin working with Piedmont to structure \$500k of financing while in parallel launching 'call for projects' that is open to all EBCE member cities. If EBCE receives more than \$1.5m in project additional project financing proposals, staff recommends increasing the budget for this program - up to an NTE of \$6m

# Programs Timeline

Program	October	November	December	January	February	March	Program Launch
EE/Grid Services Program	Issue RFP			Shortlist / Negotiate	Request BOD Approval	Program Launch	
E-Bike Program	Issue RFP			Shortlist / Negotiate	Request BOD Approval		July '23 Program Launch
ZE – M/H Duty Loans	Issue RFP	Shortlist	Negotiate	Request BOD Approval			July '24 Project COD
Muni Electrification Loans		Develop Offer			Open Call for Projects		
			Piedmont Pool BOD Approval				



**Community Advisory Committee Meeting**

**Draft Minutes**

Monday, October 17, 2022

6:00pm

<https://us02web.zoom.us/j/84794506189>

Or join by phone:

Dial (for higher quality, dial a number based on your current location):  
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*If you have anything that you wish to be distributed to the Committee, please email it to the clerk by 5:00 pm the day prior to the meeting.*

**C1. Welcome & Roll Call**

**Present:** Members: Hernandez, Hu, Kaur\*\*, Landry, Lakshman\*, Liu, Lutz, Souza, and Chair Eldred

**Excused:** Members: Pacheco, Swaminathan, Talreja, Vice-Chair Muezenberg

**\*Member Lakshman joined the meeting at 7:09pm.**

**\*\*Member Kaur joined the meeting at 7:45pm.**

**Member Kaur served as an alternate for Vice-Chair Muetzenberg.**

**C2. Public Comment**

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*comments on matters listed on the agenda shall be heard at the time the matter is called. As with all public comment, members of the public who wish to address the Committee are customarily limited to three minutes per speaker and must complete an electronic [speaker slip](#). The Committee Chair may increase or decrease the time allotted to each speaker.*

**Tom Kelly** spoke regarding concerns about EBCE's power content label and renewable energy content.

**Jessica Tovar** spoke regarding the Health-E Communities initiative discussion in the CAC Chair Report. Jessica Tovar also requested that staff provide clarification of acronyms in documents.

**Aleta Dupree** spoke regarding the positive impact of large commercial and industrial properties in EBCE's customer base.

### **C3. Approval of Minutes from September 19, 2022**

**There were no speakers for public comment.**

**Member Lutz moved to approve the minutes. Member Landry seconded the motion. The motion passed 8/0.**

**Excused: Pacheco, Swaminathan, Talreja**

### **C4. CAC Chair Report**

- Chair Eldred thanked Member Franch for her contribution to the CAC.

Jessica Tovar, East Bay Clean Power Alliance, thanked Member Franch.

- Chair Eldred reported that Lisa Hu has accepted the appointment as Member for the North jurisdiction.
- Chair Eldred reported that, beginning November 14, 2022, CAC members and the public will have the option to attend meetings in-person at the Oakland Center at Cal State University, East Bay, 1000 Broadway, Ste 109, Oakland, CA 94607. Meetings will begin at 6pm.
- Chair Eldred reported that:
  - The CAC will receive a jobs report, including union jobs created before the November CAC meeting.
  - The CAC will follow up with staff regarding the status of the in-house call center.
- Chair Eldred stated that the CAC Chair, as an ex officio Board member, can make and second motions but cannot vote on them.



### **Health-E Communities (CAC Informational Item)**

**Jessica Tovar**, East Bay Clean Power Alliance, spoke regarding concerns about the Health-E Communities initiative, including its impact on equity for renters.

**Aleta Dupree** spoke in support of the Health-E Communities initiative and provided comments about the health impact of natural gas appliances in the home.

**Tom Kelly** spoke regarding alternatives to the Health E Communities initiative and expressed concern about the study design and scope.

#### **The Committee Discussed:**

- The health impacts of natural gas in the home
- Electrification equipment costs and efficiency standards
- BayREN rebate program and safety testing.
- Potential indoor air quality program research program
- Status of Board-approved Low to Moderate Income (LMI) electrification project
- Concern about how to provide energy retrofits and upgrades without displacing residents, especially renters and the most vulnerable community members
- Renter access to program
- Relationship of EBCE to Building Decarbonization Coalition.
- Broadening scope in order to partner with entities that can improve efficiency and provide greater access to renewable content
- Increasing geographical representation for cities and unincorporated areas that are low-income and in heavy pollution corridors.

### **C5. Integrated Resource Planning (IRP) Analysis & Approval of CPUC Filing (CAC Action Item)**

Review of IRP compliance filing and overview of EBCE-focused additional analysis. Board must review and approve EBCE's compliance filing before its submittal on November 1.

**Aleta Dupree** spoke in support of developing local energy storage to increase resilience, improve demand response and mitigate rolling blackouts.

**Member Lutz motioned to approve staff recommendation. Member Hernandez seconded the motion which passed 8/0. Excused: Members Pacheco, Swaminathan, Talreja. Abstained: Member Landry.**

**C6. Long Term Energy and Resource Adequacy Contract for Approval (CAC Action Item)**

Review of long-term power purchase agreements and energy storage agreements prior to execution

**Aleta Dupree** spoke in support of the staff recommendation and stated that the inclusion of Stockton into the JPA will help to build RA and relieve grid congestion.

**Member Hernandez motioned to approve staff recommendation. Member Lutz seconded the motion, which passed 9/0. Excused: Members Pacheco, Swaminathan, Talreja.**

**C7. Legislative Update (CAC Informational Item)**

Informational update on the 2022 state and federal legislative process

**The Legislative Update was moved to the November 14, 2022 CAC meeting.**

**C8. CAC Member and Staff Announcements including requests to place items on future CAC agendas**

**Member Lutz requested a response to Tom Kelly's public comment regarding the comparison of EBCE's Power Content Label (PCL) to 2021 Power Content Labels that have been furnished by the California Energy Commission**

**Chair Eldred requested that staff provide a recruitment schedule for CAC open positions, and encouraged CAC members to consider running for Chair.**

**C9. Adjournment to Monday, November 14, 2022 at 6:00pm**



**CAC Item C6  
Staff Report Item 14**

**TO:** East Bay Community Energy Board of Directors  
**FROM:** Nick Chaset, Chief Executive Officer  
**SUBJECT:** Health-E Communities Partnership Program Development  
(Action Item)  
**DATE:** November 16, 2022

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**Recommendation**

Direct EBCE Staff to develop a program proposal to deploy \$15,000,000 in local development funds to deliver home electrification to households where one or more residents suffers from asthma. Program design parameters for staff to consider shall include:

1. Up to \$15m in Local Development funds allocated over 3 years to fund home electrification
2. Program shall explicitly seek to target electrification measures into households where one or more residents has asthma
3. Program shall prioritize low-income households and multi-family housing
4. Program shall seek to demonstrate the role that electrification can play in improving indoor air quality and ameliorating public health outcomes for program participants
5. EBCE staff shall seek to partner with one or more healthcare providers (HPs) (ex: hospital, federally qualified health clinic, public health agency) to design and deliver the program to households where their asthma patients reside
6. EBCE shall support its healthcare partners research into the long-term health benefits to program participants of residential electrification
7. EBCE staff shall seek to coordinate and partner with other local government agencies (ex: StopWaste) to design and deliver this program

EBCE staff shall bring a full program proposal including clearly defined goals, detailed budget and partners to the Board of Directors for consideration and approval prior to launching the program.

**Background and Discussion**

East Bay Community Energy's Local Development Business Plan calls for targeted investments in electrification measures and projects that have the ability to improve indoor air quality and public health outcomes. While EBCE has been working to implement a number of

residential electrification programs, EBCE's current budget surplus has created an opportunity to set aside a significant amount of funding to support a transformational set of investments in electrification to demonstrate at scale the role that home electrification can play in reducing indoor air pollution and improving health outcomes. To this end, EBCE staff is seeking direction from the Board of Directors to move forward to design a program that explicitly seeks to target electrification projects in households where one or more residents suffers from acute asthma. To do so, EBCE staff will partner with local public health agencies, clinics and hospitals to recruit program participants from their patient populations. EBCE will also seek to support research by these health care providers - and other partners - to demonstrate the public health benefit of deploying electrification into households where residents have asthma.

EBCE staff - and partners - will develop a comprehensive program proposal for EBCE Board consideration in 2023.

### **Fiscal Impact**

Board direction to staff to develop a program would require staff and attorney time, with only nominal fiscal impact. Staff's proposal to the Board with respect to final program approval would include a detailed analysis of the fiscal impacts of the program.

### **Attachments**

- A. Health-E Communities Partnership Overview Presentation

# Health-E Communities Partnership



# Health-E Communities Partnership Goals

Attachment Staff Report Item 14A

- Deliver +1,000 home electrification retrofits into households where one or more resident suffers from asthma w/ explicit emphasis on low-income and disadvantaged communities
- Establishment necessary partnerships to reach these households
- Pair home electrification program with necessary research to support scaling up home electrification as a part of public health response to Asthma and pulmonary disease
- Serve as a scalable demonstration project for intersectionality of home electrification and public health

# Health-E Communities Partnership: Aligning EBCE Scope with EBCE Expertise

Attachment Staff Report Item 14A

- Focus EBCE funding and engagement on funding electrification retrofits (induction cooking, heat pumps)
- Recruit partners that can leverage external funding to support research goals, customer/community engagement, integration of home electrification into public health services and scaling of program learnings
- Bring in external funding partners (ex: U.S. EPA, U.S. HHS, CA ARB, Health/Climate philanthropy) to fund costs of public health partner participation in program

# Health-E Communities Partnership Framework

Attachment Staff Report Item 14A

Board Action: Direct EBCE staff to move forward to develop a full proposal to implement Health-E Communities Partnership with EBCE funding up to \$15m towards home electrification projects that benefit residents with asthma – over the next 3 year – and return to the Board of Directors for review and approval of the full proposal in 2023

Allocate up to \$15m to fund residential electrification projects (e.g. induction cooking, heat pumps) for households where one or more residents suffers from asthma.

- Why \$15m? \$15m aligns with current EBCE Health-E Homes program incentive and loan levels (up to \$10k for incentives and \$5k per household in low interest loans) when scaling target participation to 1,000 participants. This funding level was also analyzed during the budget setting process and determined to be fiscally feasible

## Other Program Parameters

Prioritize funding in low-income households and multi-family housing

Establish partnerships with ecosystem of electrification equipment and deployment partners to enable project deployments

Establish partnerships with local, state and federal agencies working at the nexus of public health, asthma care and home electrification to support all phases of this project

Establish partnerships with one or more public health partners to support acquisition of their patients into program

Establish partnerships with one or more PHPs to design and implement a coordinated research program to evaluate long term benefits of home electrification for asthma patients

Support efforts by PHPs to secure necessary funding to participate in Health-E Communities Partnership