

Bay Area Air Quality Management District
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APPROVED MINUTES

Summary of Board of Directors
Technology Implementation Office Steering Committee Meeting
Monday, March 25, 2019

1. CALL TO ORDER – ROLL CALL

Technology Implementation Office (TIO) Steering Committee (Committee) Chairperson Cindy Chavez called the meeting to order at 9:39 a.m.

Present: Committee Chairperson, Cindy Chavez; Ex-Officio Board of Directors (Board) Member, David Hudson; and Members Bud Beebe, Ahmad Ganji, Janea Scott, and Jetta Wong.

Absent: Members Mark Gupta and Marilyn Waite.

Also Present: None.

2. PUBLIC COMMENT ON AGENDA MATTERS

No requests received.

NOTED PRESENT: Member Ganji was noted present at 9:40 a.m.

3. APPROVAL OF THE MINUTES OF OCTOBER 22, 2018

Public Comments

No requests received.

Committee Comments

None.

Committee Action

Ex-Officio Board Member Hudson made a motion, seconded by Member Beebe, to approve the Minutes of October 22, 2018; and the motion carried by the following vote of the Committee:

AYES: Beebe, Chavez, Ganji, Hudson, Scott, Wong.
NOES: None.
ABSTAIN: None.
ABSENT: Cupta, Waite.

4. OVERVIEW OF TECHNOLOGY IMPLEMENTATION OFFICE

Dr. Ranyee Chiang, Technology Implementation Officer, gave the staff presentation *Overview of Technology Implementation Office*, including: mission – accelerate adoption of climate technologies to reduce demand for fossil fuels; TIO Steering Committee; focus on connecting Bay Area customers; adopting emerging technologies with potential to scale beyond the Bay Area; offer appropriate financial incentives; offer support that complements financial incentives; key financing programs; and connecting Bay Area organizations.

New members, Jetta Wong and Marilyn Waite (in absentia), were introduced.

Public Comments

No requests received.

Committee Comments

The Committee and staff discussed the relationship between the Air District and the Bay Area Electric Vehicle (EV) Coordinating Council; whether the Air District's Clean Cars for All program includes funding for EV charging infrastructure; and whether the Air District's Clean Cars for All program is statewide.

Committee Action

None; receive and file.

5. CLIMATE TECH FINANCE (CTF) PROGRAM OVERVIEW AND LAUNCH

Damian Breen, Deputy Air Pollution Control Officer of Technology, introduced Derrick Tang, TIO Manager, and Lucian Go, Air Quality Technician, who gave the staff presentation *Climate Tech Finance: Program Overview and Launch*, including: Air District is targeting the commercialization gap to accelerate technology adoption; commercialization requires customers; potential customers: 9,000+ facilities in the Bay Area; CTF Program; CTF value proposition – technologies and financing; financing collaboration with California Infrastructure and Economic Development Bank (IBank); CTF: outreach and technical assistance; conferences and events; Climate Tech Network – bringing together municipalities, technologies, and investors; and next steps for outreach.

Public Comments

No requests received.

Committee Comments

The Committee and staff discussed the duration and format of the Climate Tech Network quarterly event on May 13, 2019, (on the topic of building electrification); appreciation for the diversity in facilities identified as potential customers; the suggestion that legislators, city managers, and cities' economic development officers are included in targeted outreach; whether the Climate Tech Finance program is available to private facilities, in addition to public; the suggestion that the Air District utilizes technical assistance from local companies, rather than outsource services nationally; the benefits of having a successful prototype prior to mass deployment of a new technology; the suggestion that state legislation include language to ensure that funding will be made available for new and improved technology options; the need for the Air District to educate county procurement officers who may not be aware of clean technology options; the request for more opportunities for public sector investment; Michael Montgomery's appointment to the San Francisco Bay Regional Water Quality Control Board, as the incoming Executive Officer, and the possibility of his appointment to this Committee; the suggestion that the Air District rally support from larger special districts in the Bay Area for Air District initiatives and projects; the suggestion that the Air District contact private corporations that emit more than 15,000 tons of carbon dioxide per year to inquire whether those corporations have existing relationships with state funding mechanisms; and whether lessons learned from the Federal Government's General Services Administration's "Proving Ground" program can be obtained.

Committee Action

None; receive and file.

6. POTENTIAL PROJECTS AND FUTURE DIRECTIONS

Dr. Chiang introduced Derrick Tang, TIO Manager, who gave the staff presentation *Climate Tech Finance: Potential Projects and Future Directions*, including: assessment of opportunities to reduce greenhouse gas (GHG) emissions at industrial facilities (2018); waste technologies to divert organic waste from landfills and reduce emissions; energy storage/decarbonization technologies to reduce energy and maintenance costs; what customers are interested in; project priorities; and future opportunities to collaborate.

Public Comments

No requests received.

Committee Comments

The Committee and staff discussed how to balance the prioritization of quick Bay Area project wins and investing in projects that will take longer to implement, while also considering what can be implemented beyond the Bay Area in areas with less resources and less urgency for change; the need for public funding to help fund projects that are already in design; the suggestion that the Air District coordinate with the California Energy Commission's Electric Program Investment Charge (EPIC) program, which invests in technological research to accelerate the transformation of the electricity sector to meet the state's energy and climate goals; the suggestion that the Air District educate and assist technology implementers on local and state air quality regulations; whether the

IBank loans include incumbrance or liquidation deadlines; the suggestion that the Air District create an annual merit review process, cost-benefit analysis, and process for selected projects; the importance of selecting projects that are replicable and scalable; the suggestion that the Air District identify enthusiastic partners with whom to collaborate on projects; flexibility when creating regulation concerning control technology; the suggestion that the Air District take into consideration how its actions can adversely impact the efforts of other environmental agencies and should think of its work in a broader context; the suggestion that the Air District consider areas of work that can potentially have large impacts and are not highly politicized; the suggestion that the Air District develop a feasibility study or experimental trial to demonstrate how potential Climate Tech Finance loan projects can proceed, independently from the Air District's standard process, for a limited opportunity; the need for the originator to maintain momentum as an emerging technology is adopted by others; the need to consider the reality of how long projects can take to be built and financial/schedule delays; the benefits of having a person designated to navigate the selected projects through the process; and the suggestion that that Air District persuade larger counties and transportation agencies for funding for selected projects, and request that they ask smaller agencies for financial assistance as well.

Committee Action

None; receive and file.

7. PUBLIC COMMENT ON NON-AGENDA MATTERS

No requests received.

8. COMMITTEE MEMBER COMMENTS

Director Hudson requested that an annual schedule of conferences, symposia, exhibitions, workshops, and seminars pertaining to technologies of interest to the Committee be assembled and distributed to the Committee members.

Mr. Beebe encouraged the Air District to identify and accomplish its goals that can be most easily achieved, in succession.

9. TIME AND PLACE OF NEXT MEETING

At the Call of the Chair.

10. ADJOURNMENT

The meeting adjourned at 11:30 a.m.

/S/ Marcy Hiratzka
Marcy Hiratzka
Clerk of the Boards