

Bay Area Air Quality Management District  
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**APPROVED MINUTES**

Summary of Board of Directors  
Technology Implementation Office Steering Committee Meeting  
Monday, October 22, 2018

**1. CALL TO ORDER – ROLL CALL**

Technology Implementation Office (TIO) Steering Committee (Committee) Chairperson Cindy Chavez called the meeting to order at 9:38 a.m.

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

Absent: Member Mark Cupta.

Also Present: None.

**2. PUBLIC COMMENT ON AGENDA MATTERS**

No requests received.

**3. APPROVAL OF THE MINUTES OF JUNE 21, 2018**

Public Comments

No requests received.

Committee Comments

None.

Committee Action

Member Scott made a motion, seconded by Member Beebe, to approve the Minutes of June 21, 2018; and the motion carried by the following vote of the Committee:

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

#### 4. **TECHNOLOGY IMPLEMENTATION OFFICE STEERING COMMITTEE COMPOSITION**

Damian Breen, Deputy Air Pollution Control Officer of Technology, introduced Dr. Ranyee Chiang, Technology Implementation Officer, who gave the staff presentation *TIO Steering Committee Composition*, including: tackle barriers for emerging climate technologies; technology focus areas; TIO Steering Committee advises Air District staff; Steering Committee Composition; and candidates.

NOTED PRESENT: Member David Hudson was noted present at 9:46 a.m.

##### Public Comments

No requests received.

##### Committee Comments

The Committee and staff discussed the professional experience of the seven prioritized candidates vetted by Air District staff; the desire for candidates with experience in public and loan finance programs, community engagement, energy efficiency, environmental technology, and carbon funding; the importance of equity among and availability of candidates; whether any of the candidates currently hold governor-appointed seats whose assignments will change with the new gubernatorial administration; and the suggestion for a working group to strategize how the Air District can further partner with the California Air Resources Board (CARB), California Public Utilities Commission, and other State regulatory agencies.

##### Committee Action

None; receive and file.

#### 5. **TECHNOLOGY ASSESSMENT AND OUTREACH**

Dr. Chiang introduced Brian Butler, Staff Specialist, who gave the staff presentation *Technology Assessment and Outreach*, including: climate technology review; actions to accelerate technologies; regulate; educate; incentivize; outreach goals and approach; stakeholders; outreach channels; and Climate Tech Marketplace on September 13, 2018.

##### Public Comments

No requests received.

##### Committee Comments

The Committee and staff discussed the suggestion that the Air District present the technology assessment to Mayors' Conferences and Cities Associations in the nine Bay Area counties, the California League of Food Producers, boiler companies, California Building Standards Commission, and government procurement officers; how the testing of backup diesel generators contributes to the increase of greenhouse gas (GHG) emissions; whether Air District incentives for accelerating technologies will be used for research and development, or just deployment; the return of hydrogen fuel cell technology; the suggestion that the Air District focuses on reducing process-related carbon emissions for petroleum measures; the need to move away from dependence on natural gas appliances

and transition to a net-zero emissions portfolio, compatible with an anticipated low-carbon future; the fact that Air District staff feels that the amount of technologies being considered has reached maximum capacity; and the Committee's preferred areas of focus, and caution of unintended consequences of mitigation measures that are pursued.

Committee Action

None; receive and file.

**6. LOAN PROGRAM AGREEMENT**

Dr. Chiang introduced Derrick Tang, TIO Manager, who gave the staff presentation *Loan Program Agreement*, including: Climate Tech Finance Program overview; California Infrastructure Economic Development Bank (IBank) timeline, program guidelines; finance process; long-term goals; and Climate Tech Finance Program link.

Public Comments

No requests received.

Committee Comments

The Committee and staff discussed the steps in the financing process, and whether the Air District or the IBank is the applicant's first point of contact; the differences between the application for a government loan and a home loan; the anticipated amount of interaction the Air District will have with the applicant and IBank once an application has been processed, and the anticipated ease of the process for the applicants; speculation of who may apply; and the responsibility of the collaborating agencies to share any potential risk.

Committee Action

None; receive and file.

**7. ELECTRIC VEHICLE INFRASTRUCTURE AND FLEET INCENTIVE PROGRAMS**

Dr. Chiang introduced Mark Tang, Staff Specialist, who gave the staff presentation *Electric Vehicle (EV) Infrastructure and Fleet Incentive Programs*, including: adoption of EVs in the Bay Area and California; current and needed EV charging infrastructure; Transportation Fund for Clean Air (TFCA); impact of Air District funding on Bay Area public charging stations; Charge! Program 2017-2018 and Fiscal Year Ending (FYE) 2019; Clean Fleets FYE 2019; and outreach activities.

Public Comments

No requests received.

Committee Comments

The Committee and staff discussed the fact that this program is intended to fund shovel-ready projects only; the timeline of the Charge! program's upcoming funding cycle; the launch of the Clean Fleets program in August 2018; the correlation of the type and amount of Air District messaging EVs in a

given area and the current level of EV adoption in that area; CARB's One-Stop-Shop Pilot Program, which gives low-income consumers the opportunity to cross-qualify for CARB's multiple clean-transportation incentives; the need to promote the Air District's EV programs in disadvantaged communities, and whether the Air District will ensure that some program funding is saved for applications from disadvantaged communities; the suggestion that the Air District considers partnering with Elix wireless charging technology; the need to select charging infrastructure that has the capacity to be upgraded as technology improves; the need to install EV charging infrastructure in low-income communities, communities that were not early adapters of EV charging infrastructure, and communities that the private sector is reluctant to upgrade; the suggestion that the Air District forms partnerships with credit unions to offer financial assistance to those who cannot afford EVs; the suggestion that, as exchanges of properties between owners occur, the Air District obtains public transaction information and informs both parties about the demand and opportunities for EV charging infrastructure; the suggestion that the Air District launches an informational campaign (about EV trends and charging infrastructure demands, targeting affluent communities) that is not tied to Air District grant programs; Green Building Standards Code compliance for new buildings; the suggestion that the Air District reach out to banks that are concerned that the property value of commercial buildings will decrease if there is insufficient parking; and the need to anticipate future technologies that will focus on zero-emissions vehicles' capabilities of operating both indoors and outdoors.

Committee Action

None; receive and file.

**8. PUBLIC COMMENT ON NON-AGENDA MATTERS**

No requests received.

**9. COMMITTEE MEMBER COMMENTS**

None.

**10. TIME AND PLACE OF NEXT MEETING**

At the Call of the Chair.

**11. ADJOURNMENT**

The meeting adjourned at 11:54 a.m.

*/s/ Marcy Hiratzka*  
Marcy Hiratzka  
Clerk of the Boards