

Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, California 94105
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APPROVED MINUTES

Summary of Board of Directors
Technology Implementation Office Steering Committee Meeting
Thursday, June 21, 2018

1. CALL TO ORDER – ROLL CALL

Technology Implementation Office (TIO) Steering Committee (Committee) Chairperson Cindy Chavez called the meeting to order at 1:02 p.m.

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

Absent: None.

Also Present: None.

2. PUBLIC COMMENT ON AGENDA MATTERS

No requests received.

3. APPROVAL OF THE MINUTES OF MARCH 2, 2018

Public Comments

No requests received.

Committee Comments

None.

Committee Action

Board Chair Hudson made a motion, seconded by Mr. Beebe, to approve the Minutes of March 2, 2018; and the motion carried by the following vote of the Committee:

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

4. CLEAN CARS FOR ALL: NEW INCENTIVES PROGRAM FOR LOW-INCOME CONSUMERS

Dr. Ranyee Chiang, Technology Implementation Officer, introduced Tin Le, Staff Specialist, who gave the staff presentation *Clean Cars For All: New Incentives Program for Low-Income Consumers*, including: outline; expanding electric vehicle (EV) adoption in the Bay Area; achieving equitable access to clean transportation and technology; Enhanced Fleet Modernization Program Plus-Up, also known as Clean Cars for All; replacement options and funding levels; consumer outreach and support; case manager Request for Proposals; scoring of proposals and panel recommendation; and next steps.

Public Comments

No requests received.

Committee Comments

The Committee and staff discussed how the Air District (District) anticipates that the implementation process will be streamlined for applicants that are selected for electric vehicle supply equipment and what the District can do to avoid duplicating efforts regarding the placement of charging infrastructure; the District's involvement with the Bay Area EV Coordinating Council; the suggestion that electric charging discounts be made available at public charging stations to those who own EVs but who live in multi-family housing that lacks EV charging infrastructure; funding sources for this program; the proposed scope of work of the case managers; the anticipated commercialization of fuel cell vehicles; the suggestion that the District monitors the progression of the program past Year 2 to ensure that the program evolves in a direction and at a pace that is not driven by the manufacturers; the concern that hybrid vehicles with low gas mileage may not be conducive to the program; the fact that this program applies to both new and used purchased EVs, and both multi-family and single-family dwellings; the languages in which this program will be advertised; praise of District staff for aligning this program with the District's 2017 Clean Air Plan's objective of expanding EV adoption in the Bay Area (90% EVs by 2050); the suggestion that local social services agencies be included in program outreach, and a volunteer pilot program with the Santa Clara County Social Services Agency; the suggestion of offering priority outreach to counties that will financially contribute to the program; the suggesting of the District procuring a community banking partner that would write the program into their insurance policy; the need to diversify the types of eligible vehicles for the this program to maximize the number of low-income applicants; and the hope that electric bicycle and motorcycle sharing becomes as popular as bicycle sharing.

Committee Action

None; receive and file.

5. MISSION AND CUSTOMER DISCOVERY

Damian Breen, Deputy Air Pollution Control Officer of Technology, introduced Dr. Chiang, who gave the staff presentation *Mission and Customer Delivery*, including: TIO mission statement; benefits to partners with (District) TIO; customer discovery; outreach to stationary facilities; facilities' needs and wants; interviews with financing partners; financing landscape; take risk where we add value; and Global Climate Action Summit affiliate event.

Public Comments

No requests received.

Committee Comments

The Committee and staff discussed the suggestion that the District invites the press to help promote the development of partnerships between technology developers and customers and grants for low-carbon technologies; and the appreciation for the inclusion of comments from Committee members made at the Committee's first meeting in today's presentations.

Committee Action

None; receive and file.

6. PROPOSED LOAN RELATIONSHIP

Mr. Breen re-introduced Dr. Chiang, who gave the staff presentation *Proposed Loan Relationship and Terms*, including: Stationary Loan Program: proposed financing relationship with California Infrastructure and Economic Development Bank (IBank); key terms of proposed loan program; and proposed project selection process.

Public Comments

No requests received.

Committee Comments

The Committee and staff discussed how the District would be operating as a lender for the first time through this program; the placement of EV charging stations along freeways, and security that EV drivers need while in transit; financing structure options that the District is exploring as a potential lender; the offering of lessons learned from a first-time lender using public funds; the lack of authority the District would have over which project applications are selected; the need to educate the IBank about how much different technologies should cost and which technologies are the most dependable and desirable; what criteria is involved in the District's technical evaluation of project applications; whether trading carbon credits as a commodity is applicable to this program; the feasibility of profit-sharing and procurement of a private sector investment partner; the request to consider the expansion of the IBank as potential legislation; the request for specific information to be presented to the Board, including: a grid indicating the District's roles relative to engineering, technical assessments, and program outreach, and an outline of the potential risk that the District faces as a lender; anticipated sources of financial friction within the proposed deal structure, and ways to effectively use the allocated funds that deviate from the proposed program; and lessons learned from previous IBank partners.

Committee Action

None; receive and file.

7. UPDATE ON TECHNOLOGY ASSESSMENT RESULTS

Dr. Chiang gave the staff presentation *Update on Technology Assessment Results*, including: technology assessment: what are the key technologies and facilities to incentive; technology assessment goal; 203 technologies assessed; key comparison variables; preliminary technologies of interest; and next steps.

Public Comments

No requests received.

Committee Comments

The Committee and staff discussed the efficiency of alternatives to gas turbines; the suggestion that the District and California Energy Commission collaborate research and technology assessment findings; the District's selection process of technologies to assess; the suggestion that the District takes into account upstream emission reductions as key comparison variables, and not solely emission reductions associated with facilities; the suggestion that the District avoids programs that incrementally reduce emissions from existing technologies that prolong those technologies; and the suggestion that District staff include water-conserving technology, as this type of technology corresponds to energy and greenhouse gas reduction.

Committee Action

None; receive and file.

8. PUBLIC COMMENT ON NON-AGENDA MATTERS

No requests received.

9. COMMITTEE MEMBER COMMENTS

Mr. Beebe remarked that the Committee is off to a promising start.

10. TIME AND PLACE OF NEXT MEETING

Monday, October 22, 2018, Bay Area Air Quality Management District Office, 375 Beale Street, San Francisco, California 94105 at 9:30 a.m.

11. ADJOURNMENT

The meeting adjourned at 2:51 p.m.

/s/ Marcy Hiratzka
Marcy Hiratzka
Clerk of the Boards