

BOARD MEETING DATE: December 4, 2015

AGENDA NO. 26

REPORT: Technology Committee

SYNOPSIS: The Technology Committee met on November 20, 2015. Major topics included Technology Advancement items reflected in the regular Board Agenda for the December Board meeting. A summary of these topics with the Committee's comments is provided. The next Technology Committee meeting will be held on January 22, 2016.

RECOMMENDED ACTION:
Receive and file.

John J. Benoit
Technology Committee Chair

MMM:pmk

Attendance: Supervisor John J. Benoit participated by videoconference. Councilmember Judith Mitchell was in attendance at SCAQMD headquarters. Councilmember Joe Buscaino, Supervisor Janice Rutherford and Mayor Dennis Yates were absent due to a conflict with their schedule. Supervisor Benoit appointed Mayor Ben Benoit as a one-time Committee Member for today's meeting. Mayor Benoit participated by videoconference at the Palm Desert location.

DECEMBER BOARD AGENDA ITEMS

1. Recognize and Substitute Source of Funds for School Bus Replacements

SCAQMD was approved for a \$753,476 award from the U.S. EPA for diesel emission reduction projects under the FY 2014-15 Diesel Emissions Reduction Act (DERA). The U.S. EPA added \$406,580 for a total award of \$1,160,056 to the SCAQMD. There is also \$480,833 remaining from a previous U.S. EPA grant. This action is to recognize \$406,580 in DERA funds in the Advanced Technology, Outreach and Education Fund (17). These actions are to also: 1) recognize \$480,833 in U.S. EPA funds in the Advanced Technology, Outreach and Education Fund (17); and 2) replace \$650,000 in Carl Moyer Program AB 923 funds (Fund 80) with the

same amount in U.S. EPA funds from the Advanced Technology, Outreach and Education Fund (17) for the replacement of 26 school buses previously approved by the Board on October 2, 2015.

Supervisor Benoit asked staff whether the \$25,000 from the EPA DERA funds was a portion, or the entire contribution amount toward the cost of a CNG bus. Staff responded that a CNG bus costs about \$175,000 which was approved by the Board in October, 2015. The \$25,000 covers a portion of the cost of a CNG bus allowed with U.S. EPA funds, and it replaces the same amount that was previously approved by the Board for AB 923 funds. The U.S. EPA DERA funds also free up AB 923 funds that can now be used for other projects. Supervisor Benoit also asked whether Carl Moyer funds could be used for new or remanufactured electric buses. Staff responded that following the adoption of SB 513 on October 8, 2015, CARB has issued a mail-out, which starting January 1, 2016, will allow air districts to consider funding of new or converted electric school buses while alternative fuel school buses can continue to be funded as replacement buses.

Moved by Mayor Benoit; seconded by Mitchell; unanimously approved.

2. Execute Contract to Cosponsor Versatile Plug-In Auxiliary Power System Development and Demonstration

Conventional diesel work trucks often run their engines to provide off-board power or operate hydraulic equipment such as booms or digger derricks. This additional engine use while at a jobsite has significant emissions and fuel economy impacts. The Electric Power Research Institute (EPRI) has developed a prototype retrofittable auxiliary battery pack called a Versatile Plug-In Auxiliary Power (VAP) System to provide jobsite electric auxiliary power on various vehicle platforms. This action is to execute a contract with EPRI to demonstrate up to ten units in various fleets to quantify the emissions and fuel usage benefits in an amount not to exceed \$125,000 from the Clean Fuels Fund (31).

At the request of Supervisor Benoit, staff contacted EPRI to determine if a VAP System could be demonstrated in the Coachella Valley. EPRI agreed to this request.

Councilmember Mitchell recused herself from the item because of a financial interest in Southern Company which is materially affected by the item. Less than a quorum was present; the Committee Members concurred that this item be approved by the Board.

3. Other Business

There was no other business.

4. Public Comment Period

There was no public comment.

Next Meeting: January 22, 2016

Attachment

Attendance

Attachment – Attendance

Mayor Ben Benoit (Videoconference)	SCAQMD Governing Board
Supervisor John J. Benoit (Videoconference).....	SCAQMD Governing Board
Councilmember Judith Mitchell.....	SCAQMD Governing Board
Mark Abramowitz	Board Consultant (Lyou)
Bob Ulloa	Board Consultant (Yates)
Barry Wallerstein, Executive Officer.....	SCAQMD
John Olvera, Principal Deputy District Counsel	SCAQMD
Matt Miyasato, STA.....	SCAQMD
Henry Hogo, STA.....	SCAQMD
Fred Minassian, STA.....	SCAQMD
Laki Tisopulos, STA	SCAQMD
Naveen Berry, STA	SCAQMD
Lisa Mirisola, STA	SCAQMD
Adewale Oshinuga, STA.....	SCAQMD
Dominic Tung, IM.....	SCAQMD
Isabel Aguilar, STA.....	SCAQMD
Pat Krayser, STA.....	SCAQMD
Danielle Robinson	CARB
Noel Muyco	SoCalGas
Daniel McGivney	<i>unaffiliated</i>