



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

TECHNOLOGY COMMITTEE MEETING

Committee Members

Council Member Joe Buscaino, Chair
Supervisor Lisa Bartlett
Board Member Gideon Kracov
Mayor Pro Tem Larry McCallon
Vice Mayor Rex Richardson
Mayor Pro Tem Carlos Rodriguez

April 16, 2021 ♦ 12:00 p.m.

Pursuant to Governor Newsom's Executive Orders N-25-20 (March 12, 2020) and N-29-20 (March 17, 2020), the South Coast AQMD Technology Committee meeting will only be conducted via video conferencing and by telephone. Please follow the instructions below to join the meeting remotely.

INSTRUCTIONS FOR ELECTRONIC PARTICIPATION AT BOTTOM OF AGENDA

Join Zoom Meeting - from PC or Laptop
<https://scaqmd.zoom.us/j/96669409722>

Zoom Webinar ID: 966 6940 9722 (applies to all)
Teleconference Dial In
+1 669 900 6833
One-Tap Mobile
+16699006833, 96669409722#

Audience will be allowed to provide public comment through telephone or Zoom connection.

PUBLIC COMMENT WILL STILL BE TAKEN

AGENDA

Members of the public may address this body concerning any agenda item before or during consideration of that item (Gov't. Code Section 54954.3(a)). If you wish to speak, raise your hand on Zoom or press Star 9 if participating by telephone. All agendas for regular meetings are posted at South Coast AQMD Headquarters, 21865 Copley Drive, Diamond Bar, California, at least 72 hours in advance of the regular meeting. Speakers may be limited to three (3) minutes each.

CALL TO ORDER

ROLL CALL

ACTION ITEMS (1-2):

1. Execute Contract for Global Positioning Systems Installation and Monitoring, Amend Awards for Carl Moyer and Community Air Protection Programs and Appropriate Funds for Proposition 1B - Goods Movement Emission Reduction and Lower Emission School Bus Programs (*Motion Requested*)

Nick Volpone
Air Quality
Specialist

To enhance enforcement of projects funded under the Carl Moyer Program, Global Positioning System (GPS) units are installed on marine vessels to monitor operations in the South Coast AQMD. On August 7, 2020, the Board approved the release of a Request for Proposals (RFP #P2021-01) to solicit bids from qualified GPS vendors. This action is to execute a contract for the installation of GPS units on incentive program-funded equipment and provide GPS data monitoring services in an amount not to exceed \$400,000 from the administration portions of the Carl Moyer Program SB 1107 Fund (32) and Community Air Protection Fund (77). This action is to also amend awards under the Carl Moyer Program and Community Air Protection Program (CAPP). Lastly, this action is to appropriate up to \$75,200 and up to \$60,300 from the administrative portions of the Prop 1B Special Revenue Fund (81) and Carl Moyer AB 923 Special Revenue Fund (80), respectively, into Information Management's FYs 2020-21 and/or 2021-22 Budgets, Professional and Special Services and/or Capital Outlays Major Objects and reimburse the General Fund (01) using administrative funds, for development of the Grant Management Systems (GMS).

2. Amend Contracts to Develop and Demonstrate Zero Emission Drayage Trucks and Add Funds for Administrative Assistance (*Motion Requested*)

Patricia Kwon
Program
Supervisor

In March 2016, the Board approved execution of contracts for the Zero Emission Drayage Truck (ZEDT) project. CARB and South Coast AQMD staff propose to change scope and redistribute funds between Peterbilt and Volvo to assure project goals are met. These actions are to authorize the Executive Officer to add \$1,254,491 to Volvo Technology of America, LLC contract to deploy two Class 8 battery electric trucks and charging infrastructure and reduce \$1,000,000 from Peterbilt Motors contract for the elimination of two Class 8 battery electric drayage trucks and add \$91,255 and \$50,000 to a project implementation assistance contract to ensure completion of the ZEDT and Volvo LIGHTS projects.

OTHER MATTERS:

3. Other Business

Any member of the Committee, or its staff, on his or her own initiative or in response to questions posed by the public, may ask a question for clarification, may make a brief announcement or report on his or her own activities, provide a reference to staff regarding factual information, request staff to report back at a subsequent meeting concerning any matter, or may take action to direct staff to place a matter of business on a future agenda. (Gov't. Code Section 54954.2)

4. Public Comment Period

At the end of the regular meeting agenda, an opportunity is provided for the public to speak on any subject within the Committee's authority that is not on the agenda. Speakers may be limited to three (3) minutes each.

5. Next Meeting Date

Friday, May 21, 2021 at 12:00 p.m.

ADJOURNMENT

Document Availability

All documents (i) constituting non-exempt public records, (ii) relating to an item on an agenda for a regular meeting, and (iii) having been distributed to at least a majority of the Committee after the agenda is posted, are available by contacting Penny Shaw Cedillo at 909.396.3179, or send the request to pcedillo@aqmd.gov.

Americans with Disabilities Act and Language Accessibility

Disability and language-related accommodations can be requested to allow participation in the Technology Committee meeting. The agenda will be made available, upon request, in appropriate alternative formats to assist persons with a disability (Gov't Code Section 54954.2(a)). In addition, other documents may be requested in alternative formats and languages. Any disability or language-related accommodation must be requested as soon as practicable. Requests will be accommodated unless providing the accommodation would result in a fundamental alteration or undue burden to South Coast AQMD. Please contact Penny Shaw Cedillo at 909.396.3179 from 7:30 a.m. to 6:00 p.m., Tuesday through Friday, or send the request to pcedillo@aqmd.gov.

INSTRUCTIONS FOR ELECTRONIC PARTICIPATION

Instructions for Participating in a Virtual Meeting as an Attendee

As an attendee, you will have the opportunity to virtually raise your hand and provide public comment.

Before joining the call, please silence your other communication devices such as your cell or desk phone. This will prevent any feedback or interruptions during the meeting.

Please note: During the meeting, all participants will be placed on Mute by the host. You will not be able to mute or unmute your lines manually.

After each agenda item, the Chairman will announce public comment.

A countdown timer will be displayed on the screen for each public comment.

If interpretation is needed, more time will be allotted.

Once you raise your hand to provide public comment, your name will be added to the speaker list. Your name will be called when it is your turn to comment. The host will then unmute your line.

Directions for Video ZOOM on a DESKTOP/LAPTOP:

- If you would like to make a public comment, please click on the “**Raise Hand**” button on the bottom of the screen.
- This will signal to the host that you would like to provide a public comment and you will be added to the list.

Directions for Video Zoom on a SMARTPHONE:

- If you would like to make a public comment, please click on the “**Raise Hand**” button on the bottom of your screen.
- This will signal to the host that you would like to provide a public comment and you will be added to the list.

Directions for TELEPHONE line only:

- If you would like to make public comment, please **dial *9** on your keypad to signal that you would like to comment.

Technology Committee Agenda #1

BOARD MEETING DATE: May 7, 2021

AGENDA NO.

PROPOSAL: Execute Contract for Global Positioning Systems Installation and Monitoring, Amend Awards for Carl Moyer and Community Air Protection Programs and Appropriate Funds for Proposition 1B - Goods Movement Emission Reduction and Lower Emission School Bus Programs

SYNOPSIS: To enhance enforcement of projects funded under the Carl Moyer Program, Global Positioning System (GPS) units are installed on marine vessels to monitor operations in the South Coast AQMD. On August 7, 2020, the Board approved the release of a Request for Proposals (RFP #P2021-01) to solicit bids from qualified GPS vendors. This action is to execute a contract for the installation of GPS units on incentive program-funded equipment and provide GPS data monitoring services in an amount not to exceed \$400,000 from the administrative portions of the Carl Moyer Program SB 1107 Fund (32) and Community Air Protection Fund (77). This action is to also amend awards under the Carl Moyer Program and Community Air Protection Program (CAPP). Lastly, this action is to appropriate up to \$75,200 and up to \$60,300 from the administrative portions of the Prop 1B Special Revenue Fund (81) and Carl Moyer AB 923 Special Revenue Fund (80), respectively, into Information Management's FYs 2020-21 and/or 2021-22 Budgets, Professional and Special Services and/or Capital Outlays Major Objects and reimburse the General Fund (01) using administrative funds, for development of the Grant Management Systems (GMS).

COMMITTEE: Technology, April 16, 2021; Recommended for Approval

RECOMMENDED ACTIONS:

1. Authorize the Chairman to execute a contract with CalAmp Wireless Networks Corporation to purchase, install and activate up to 250 Global Positioning Systems equipped with electronic monitoring units and provide monitoring services for incentive program-funded projects in an amount not to exceed \$400,000, including \$200,000 each from the administrative portions of the Carl Moyer Program SB 1107 Fund (32) and Community Air Protection Program Fund (77);

2. Amend awards, approved in January 2021, to Larsen Land and Cattle Co. LLC and R.A. Landreth Equipment Incorporated to increase the amount awarded from \$410,521 to \$438,882 from the Community Air Protection Program Fund (77), and from \$154,673 to \$379,982 from the Carl Moyer Program Fund (32), respectively;
3. Appropriate up to \$75,200 from the administrative portion of the Prop. 1B Goods Movement Special Revenue Fund (81) into Information Management's FYs 2020-21 and/or 2021-22 Budgets, Professional and Special Services and/or Capital Outlays Major Objects and reimburse the General Fund (01) using administrative funds for the development of the Proposition 1B Goods Movement Emission Reduction Program (Prop 1B) GMS; and
4. Appropriate up to \$60,300 from the administrative portion of the Carl Moyer Program AB 923 Special Revenue Fund (80) into Information Management's FYs 2020-21 and/or 2021-22 Budgets, Professional and Special Services and/or Capital Outlays Major Objects and reimburse the General Fund (01) using administrative funds for development of the Lower Emission School Bus Program GMS.

Wayne Nastri
Executive Officer

MMM:VW:WS

Background

South Coast AQMD administers voluntary incentive-based programs, such as the Carl Moyer Program, to reduce NOx and PM emissions from mobile sources. For marine vessel projects funded by South Coast AQMD incentive programs, including the Carl Moyer Program, Rule 2202 Air Quality Investment Program (AQIP) and Community Air Protection Program (CAPP) Incentives, South Coast AQMD requires that these marine vessels operate at least 75 percent of the time in South Coast AQMD waters, which is defined as the areas between the Northern Coastal Boundary of the Ventura and Los Angeles County border, and the Southern Coastal Boundary of the San Diego and Orange County border. As a condition of their contract, marine vessel project awardees must agree to the installation of a GPS device equipped with an electronic monitoring unit (EMU) to assist South Coast AQMD with enforcement of the 75 percent operational requirement. The basic function of the GPS unit is to determine location (latitude, longitude), time and date on a continuous or periodic basis. The EMU must be capable of storing data collected by the GPS for transmission to South Coast AQMD. Staff is also reviewing the option of expanding the use of GPS systems for locomotives and on-road heavy-duty trucks as part of an effort to devise effective strategies, such as a trade-down approach, for maximizing the use of limited incentive funds.

Requirements for GPS-EMU systems are that they accurately collect miles traveled or hours operated within South Coast AQMD boundaries and geo-fence regions, determine percent of operation within South Coast AQMD boundaries, track distance, and operate in all ambient temperatures and weather conditions in California. Monitoring data is transmitted to the South Coast AQMD in real-time and on a periodic basis.

On August 7, 2020, South Coast AQMD released RFP #P2021-01 to solicit bids from qualified vendors for the purchase, installation, tracking and monitoring of GPS devices equipped with EMUs for marine vessels, and potentially other types of vehicles and equipment.

In January 2021, the Board approved awards for “Year 22” Carl Moyer Program and SOON Provision. Staff has identified the need to adjust the funding amounts for Larsen Land and Cattle Co. LLC and R.A. Landreth Equipment, Inc. because of errors in data entry and project life determination.

In addition, the Board approved the release of Program Announcements for two incentive funding programs, including the Lower Emission School Bus Program in October 2020 and the Proposition 1B – Goods Movement Program in November 2020. To facilitate the application process for these programs, staff identified the need for an online application process and GMS. A new GMS was developed for these programs in time for the application period and greatly assisted many applicants with the application process and will maximize efficiencies with the internal review and approval processes.

Proposal

Staff recommends that the Board approve execution of a contract with CalAmp Wireless Networks Corporation in an amount not to exceed \$400,000 to purchase, install and activate GPS devices for marine vessels and other incentive program-funded equipment and provide GPS data monitoring services and GPS data reporting to South Coast AQMD to assist with enforcement of the 75 percent operational requirement within South Coast AQMD waters.

This action is also to amend two awards to Larsen Land and Cattle Co. LLC and R.A. Landreth Equipment, Inc. as specified below:

Applicant	Funding Source	Original Award (January 2021)	Recommended Award	Amount of Increase
Larsen Land and Cattle Co. LLC	AB 617 CAPP	\$410,521	\$438,882	\$28,361
R.A. Landreth Equipment, Inc.	Carl Moyer Program	\$154,673	\$379,982	\$225,309

The funding amount for Larsen Land and Cattle Co. LLC was increased by \$28,361 due to data entry errors. The project life for R.A. Landreth Equipment, Inc. was increased from 2 to 5 years as allowed by the Off-Road Regulation, and as a result, increased their award amount by \$225,309.

This action is to appropriate up to \$75,200 from the administrative portion of the Prop 1B Goods Movement Special Revenue Fund (81) and up to \$60,300 from the administrative portion of the Carl Moyer Program AB 923 Special Revenue Fund (80) into Information Management's FYs 2020-21 and/or 2021-22 Budgets, Professional and Special Services and/or Capital Outlays Major Objects, for the development of Prop 1B and Lower Emission School Bus Program GMS. This appropriation will reimburse expenses incurred for the initial development of the GMS systems that were released in time to assist and streamline the application process and to enhance efficiencies in staff review and approval processes for these programs.

Proposal Evaluation

Bids were solicited from qualified vendors for GPS-EMU systems, hardware and software providers and/or service providers that can meet the requirements discussed above. After no proposals were received by the initial November 2020 deadline, the deadline was extended to January 2021. Only one proposal was subsequently received by the closing date of the RFP.

Evaluation of the proposal was conducted by South Coast AQMD staff comprising of three panel members: two males and one female; two Asian/Pacific Islander and one Caucasian. The panel determined that CalAmp Wireless Networks Corporation met the requirements of the RFP.

Outreach

In accordance with South Coast AQMD's Procurement Policy and Procedure, a public notice advertising the RFP/RFQ and inviting bids was published in the Los Angeles Times, the Orange County Register, the San Bernardino Sun, and Riverside County Press Enterprise newspapers to leverage the most cost-effective method of outreach to the South Coast Basin.

Additionally, potential bidders may have been notified utilizing South Coast AQMD's own electronic listing of certified minority vendors. Notice of the RFP/RFQ has been emailed to the Black and Latino Legislative Caucuses and various minority chambers of commerce and business associations and placed on South Coast AQMD's website (<http://www.aqmd.gov>).

Resource Impact

Total cost of the proposed contract with CalAmp Wireless Networks Corporation will be in an amount not to exceed \$400,000, including \$200,000 each from the administrative portion of the Carl Moyer Program SB 1107 Fund (32) and Community Air Protection AB 134 Fund (77).

The increase in award amounts for Larsen Land and Cattle Co. LLC and R.A. Landreth Equipment, Inc., will be from the Community Air Protection AB 134 Fund (77) and the Carl Moyer Program SB 1107 Fund (32), respectively.

Sufficient funding is available from the administrative portions of the Prop 1B Goods Movement Special Revenue Fund (81) in the amount up to \$75,200 for Prop 1B GMS development and from the Carl Moyer Program AB 923 Special Revenue Fund (80) in the amount up to \$60,300 for Lower Emission School Bus Program GMS development.

Agenda Item #1

Nick Volpone

Execute Contract for Global Positioning Systems
Installation and Monitoring, Amend Awards for
Carl Moyer and Community Air Protection Programs
and Appropriate Funds for Proposition 1B - Goods
Movement Emission Reduction and Lower Emission
School Bus Programs

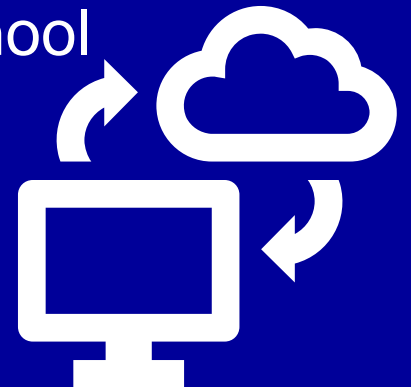
Background

- On August 7, 2020 Board approved RFP #P2021-01 to solicit bids from vendors to purchase, install and monitor global positioning system (GPS) devices equipped with electronic monitoring units (EMUs)
- Marine vessels funded by Carl Moyer Program and other incentives require at least 75% of time in South Coast AQMD waters
- Basic function of GPS/EMU is to determine location and transmit data (i.e., miles traveled, hour operated and exceeding geo-fence boundaries)



Background (cont'd)

- On January 2021, the Board approved awards for Year 22 Carl Moyer and SOON Program
- Staff identified incorrect fund amounts for Larsen Land and Cattle Co. LLC and R.A. Landreth Equipment Inc. due to data entry and project life determination
- On October and November 2020, Board approved Program Announcements for the Lower Emission School Bus Program and Prop 1B, respectively under #PA2021-02 and 2021-03, to solicit school bus replacement projects and heavy-duty truck and infrastructure
- Staff developed Grant Management System (GMS) for both Lower Emission School Bus Program and Prop 1B to streamline the application and review process



Proposal



- Approve execution of contract with CalAmp Wireless Networks Corporation in an amount not to exceed \$400,000
- Including purchase, installation, monitoring services and reporting
- Assist with the enforcement of 75% operation in South Coast AQMD waters

Proposal (cont'd)

- Amend awards:

Applicant	Funding Source	Original Award	Recommended Award	Amount of Increase
Larsen Land and Cattle Co. LLC	AB 617 CAPP	\$410,521	\$438,882	\$28,361
R.A. Landreth Equipment, Inc.	Carl Moyer Program	\$154,673	\$379,982	\$225,309

- Appropriate up to \$75,200 and \$60,300 from Special Revenue Fund (81) and Fund (80), respectively into IM's FY 2020-21 Budgets, Professional/Special Services and/or Capital Outlays for the development of the Prop 1B and Lower Emission School Bus Program GMS

Recommended Actions

- Execute contract with CalAmp Wireless Networks Corporation in amount not to exceed \$400,000
- Amend Award to Larsen Land and Cattle Co. LLC and R.A. Landreth Equipment Inc.
- Appropriate up to \$75,200 and \$60,300 from administrative portions of Prop 1B Special Revenue Fund (81) and Carl Moyer Program AB 923 Special Revenue Fund (80), respectively, into IM's FY 2020-21 Budgets, Professional/Special Services and/or Capital Outlays and reimburse General Fund (01) for the development of the GMS

Technology Committee Agenda #2

BOARD MEETING DATE: May 7, 2021

AGENDA NO.

PROPOSAL: Amend Contracts to Develop and Demonstrate Zero Emission Drayage Trucks and Add Funds for Administrative Assistance

SYNOPSIS: In March 2016, the Board approved execution of contracts for the Zero Emission Drayage Truck (ZEDT) project. CARB and South Coast AQMD staff propose to change scope and redistribute funds between Peterbilt and Volvo to assure project goals are met. This action is to authorize the Executive Officer to add \$1,254,491 to Volvo Technology of America, LLC contract to deploy two Class 8 battery electric trucks and charging infrastructure and reduce \$1,000,000 from Peterbilt Motors contract for the elimination of two Class 8 battery electric drayage trucks and add \$141,255 to a project implementation assistance contract to ensure completion of the ZEDT and Volvo LIGHTS projects, all from the Greenhouse Gas Reduction Projects Special Revenue Fund (67).

COMMITTEE: Technology, April 16, 2021; Recommend for Approval

RECOMMENDED ACTION:

Authorize the Executive Officer to amend the following contracts to develop and demonstrate zero emission drayage trucks using project and/or administrative funds from CARB in the Greenhouse Gas Reduction Projects Special Revenue Fund (67) as follows:

- a. Add \$1,254,491 to Volvo Technology of America, LLC contract to deploy two Class 8 battery electric trucks and charging infrastructure;
- b. Reduce \$1,000,000 from Peterbilt Motors contract for the elimination of two Class 8 battery electric drayage trucks; and
- c. Add \$141,255 to Green Paradigm Consulting, Inc. (GPCI) towards project implementation assistance for the ZEDT and Volvo LIGHTS projects.

Wayne Nastri
Executive Officer

Background

ZEDT Project

In March 2016, the Board recognized revenue from CARB and other funding partners and awarded contracts to develop and demonstrate zero emission drayage trucks (ZEDT) under CARB's Low Carbon Transportation Greenhouse Gas Reduction Fund (GGRF) investments. South Coast AQMD received four percent of the total grant for administrative funding.

The ZEDT project, a collaboration between South Coast and Bay Area AQMDs, San Joaquin Valley and San Diego APCDs, and San Diego Gas & Electric, is to develop a portfolio of commercially promising zero and near-zero emission drayage truck technologies for statewide demonstration for drayage applications in and around the Ports of Long Beach, Los Angeles, Oakland, Stockton and San Diego. The project has four original equipment manufacturers (OEMs) participating, including BYD Motors, Kenworth Truck Company, Peterbilt Motors and Volvo Technology of America, LLC.

In October 2018 and December 2019, the Board amended the four OEM contracts to reallocate funds among the project partners. CARB is extending the ZEDT project to April 15, 2022 to allow additional time for data collection and reallocate funds among the project partners.

Project Implementation Assistance for Clean Fuels Projects

Through a competitive bid process, Green Paradigm Consulting, Inc. (GPCI), has been providing technical expertise and project implementation assistance on various Clean Fuels and grant funded projects based on their expertise with alternative fuels, electric vehicles, and charging and fueling infrastructure. Additional funds are needed to continue this support.

Proposal

ZEDT Project

Peterbilt has experienced challenges in deploying and supporting additional battery electric trucks in the field due to staffing and resource issues. In order to deploy the required number of trucks for the ZEDT project, staff's proposal is for Volvo to deploy two Class 8 battery electric trucks certified by CARB at a fleet in the San Joaquin Valley. This will include funding for installation of charging infrastructure to support these trucks. Funding allocated to Peterbilt did not previously include infrastructure. CARB has approved the reallocation of funding from Peterbilt Motors to Volvo Technology of America, LLC (Volvo) and reallocation of \$254,491 in administrative funds towards the Volvo project.

Project Implementation Assistance for Clean Fuels Projects

Since 2018, GPCI has been performing project implementation assistance for the ZEDT and Volvo LIGHTS projects. Since both projects are being extended to 2022, additional

funding is required for compilation of quarterly progress reports, invoices, disbursement requests, mileage tracking, technical deliverables, and auditing recordkeeping. CARB has approved the allocation of CARB administrative funds from the ZEDT and Volvo LIGHTS projects for project implementation assistance.

This action is to authorize the Executive Officer to amend contracts from the Greenhouse Gas Reduction Projects Special Revenue Fund (67) as follows: 1) Add \$1,254,491 to Volvo Technology of America, LLC contract to deploy two Class 8 battery electric trucks and charging infrastructure; 2) Reduce \$1,000,000 from Peterbilt Motors contract for the elimination of two Class 8 battery electric drayage trucks; and 3) Add \$141,255 to Green Paradigm Consulting, Inc. in CARB administrative funding from the ZEDT and Volvo LIGHTS projects. There is no net change in CARB grant funds from these actions.

Benefits to South Coast AQMD

The ZEDT and Volvo LIGHTS projects support development and demonstration of various electric container and freight transport technologies and infrastructure, as well as to demonstrate solar and energy storage technologies to enable development and demonstration of microgrids with fleets charging heavy-duty trucks, yard tractors, and forklifts are included in the *Technology Advancement Office Clean Fuels Program 2020 Plan Update* under the categories of “Develop and Demonstrate Electric and Hybrid Vehicles,” “Develop and Demonstrate Electric Container Transport Technologies,” “Develop and Demonstrate Electric Charging Infrastructure,” and “Develop and Demonstrate Microgrids with Photovoltaic/Fuel Cell/Battery Storage/EV Chargers and Energy Management.” These projects are to develop and demonstrate zero emission heavy-duty trucks, freight handling equipment, infrastructure and solar. Successful demonstrations of such projects will contribute to the attainment of national ambient air quality standards in the South Coast Air Basin by eliminating PM and NOx emissions from replaced diesel heavy-duty trucks and off-road freight handling equipment. The project also includes installation of infrastructure powered by solar and energy storage.

Resource Impacts

The reallocation of funds will not exceed CARB project and/or administrative funds for the ZEDT or Volvo LIGHTS projects in the GHG Reduction Projects Special Revenue Fund (67). The reallocation of ZEDT funding is as follows:

Project Partner	Dec 2019 Board		Proposed	
	CARB	SCAQMD	CARB	SCAQMD
Peterbilt	\$6,733,564	\$2,342,436	\$5,733,564	\$2,342,436
Volvo	6,010,564	2,341,184	7,265,055	2,341,184
GPCI (admin funds)	161,800	0	253,055	0
Staff Time (admin funds)	939,876	0	594,130	0
Total	\$13,845,804	\$4,683,620	\$13,845,804	\$4,683,620

Sufficient funds are available in the GHG Reduction Projects Special Revenue Fund (67) to amend the Volvo and GPCI contracts from CARB funding for the ZEDT project and the GPCI contract from CARB funding for the Volvo LIGHTS project.

Agenda Item #2

Patricia Kwon

Amend Contracts to Develop and
Demonstrate Zero Emission Drayage Trucks
and Add Funds for Administrative Assistance

Background

- In March 2016, Board recognized revenue from CARB and partners to demonstrate zero emissions drayage trucks (ZEDT)
- In October 2018 and December 2019, Board amended OEM contracts to reallocate funds among project partners
- CARB extended project to April 2022 to allow additional time for data collection and reallocate funds
- Green Paradigm Consulting, Inc. (GPCI), through competitive bid process, provides project implementation support for ZEDT and Volvo LIGHTS



Proposal

- Peterbilt experienced challenges deploying and supporting additional battery electric trucks in field due to staffing and resource issues
- Volvo funding will be increased - to deploy two additional battery electric trucks
- GPCI funding will be increased - for administrative assistance since ZEDT and Volvo LIGHTS projects extended



Proposed Revised Funding - ZEDT

Project Partner	Dec 2019 Board		Proposed	
	CARB	SCAQMD	CARB	SCAQMD
Peterbilt	\$6,733,564	\$2,342,436	\$5,733,564	\$2,342,436
Volvo	6,010,564	2,341,184	7,265,055	2,341,184
GPCI	161,800	0	253,055	0
Admin	939,876	0	594,130	0
TOTAL	\$13,845,804	\$4,683,620	\$13,845,804	\$4,683,620

Recommended Action

Authorize Executive Officer to amend the following contracts from the GHG Reduction Projects Special Revenue Fund (67):

- Add \$1,254,491 to Volvo Technology of America, LLC to deploy two Class 8 battery electric trucks and charging infrastructure;
- Reduce \$1,000,000 from Peterbilt Motors for elimination of two Class 8 battery electric trucks; and
- Add \$141,255 to GPCI towards project implementation assistance for ZEDT and Volvo LIGHTS projects