



# South Coast Air Quality Management District

South Coast  
AQMD

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

**REVISED**

## HYBRID TECHNOLOGY COMMITTEE MEETING

### Committee Members

Councilmember Carlos Rodriguez, Chair  
Mayor Patricia Lock Dawson  
Supervisor Andrew Do  
Supervisor Curt Hagman  
Mayor Pro Tem Larry McCallon  
Board Member Veronica Padilla-Campos

**April 19, 2024 ♦ 12:00 p.m.**

### TELECONFERENCE LOCATION

County Administration North  
400 West Civic Center Drive  
First Floor, Room 101  
Santa Ana, CA 92701

**A meeting of the South Coast Air Quality Management District Technology Committee will be held at 12:00 p.m. on Friday, April 19, 2024 through a hybrid format of in-person attendance in the Dr. William A. Burke Auditorium at the South Coast AQMD Headquarters, 21865 Copley Drive, Diamond Bar, California, and remote attendance via videoconferencing and by telephone. Please follow the instructions below to join the meeting remotely.**

**Please refer to South Coast AQMD's website for information regarding the format of the meeting, updates if the meeting is changed to a full remote via webcast format, and details on how to participate:**

**<http://www.aqmd.gov/home/news-events/meeting-agendas-minutes>**

### **ELECTRONIC PARTICIPATION INFORMATION**

**(Instructions provided at bottom of the 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**

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**One-Tap Mobile**

**+16699006833, 96669409722#**

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

**PUBLIC COMMENT WILL STILL BE TAKEN**

*Cleaning the air we breathe...*

**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 total for all items on the agenda.*

**CALL TO ORDER**

**ROLL CALL**

**ACTION ITEMS (1-2):**

- 1. Recognize Funds, Execute Agreements for School Air Filtration Systems in Environmental Justice Communities, and Reimburse General Fund for Administrative Costs (*Motion Requested*)** Kelly Trainor  
Gamino  
Program Supervisor

A settlement between the District Attorneys of Los Angeles, Riverside, San Bernardino, and Orange Counties and Pacifica Hosts, Inc. includes a Supplemental Environmental Project (SEP) in which air filtration systems would be supplied to schools within Environmental Justice (EJ) Communities. South Coast AQMD has been requested to administer the SEP. Further, unspent school air filtration SEP funds of \$45,000 from a South Coast AQMD settlement with the California Attorney General previously recognized by the Governing Board need to be reallocated to LAUSD. These actions are to: 1) recognize up to \$40,000 from the settlement between the District Attorneys and Pacifica Hosts, Inc. into Air Filtration Fund (75) to implement a school air filtration SEP; 2) authorize the Executive Officer to execute agreement(s) not to exceed \$81,000 with the Los Angeles Unified School District to install and maintain air filtration systems in schools within EJ Communities; and 3) reimburse the General Fund from the Air Filtration Fund (75) for administrative costs up to \$4,000 for implementing the school air filtration projects.
  
- 2. Recognize Revenue, Transfer Funds, Execute Contract for Electrification of Balboa Island Ferries and Installation of Supporting Charging Infrastructure, and Reimburse General Fund for Administrative Costs (*Motion Requested*)** Maryam Hajbabaei  
Program Supervisor

South Coast AQMD received an award of \$8,297,548 for the electrification of Balboa Island ferries and installation of supporting charging infrastructure under CARB's Fiscal Year (FY) 2021-22 and FY 2022-23 Advanced Technology Demonstration and Pilot Projects Solicitation. These actions are to: 1) recognize up to \$8,297,548 from CARB into Clean Shipping Technology Demonstration Special Revenue Fund (83); 2) transfer up to \$250,000 for South Coast AQMD's project cost-share from Clean Fuels Fund (31) and up to \$7,664,396 as a temporary loan from Rule

1111 Air Quality Investment Fund (27) into Clean Shipping Technology Demonstration Special Revenue Fund (83); 3) execute a contract with Balboa Island Ferry in an amount not to exceed \$7,914,396 for the electrification of Balboa Island ferries and installation of supporting charging infrastructure; and 4) reimburse the General Fund up to \$633,152 from Clean Shipping Technology Demonstration Special Revenue Fund (83) for administrative costs necessary to implement this project.

**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, June 21, 2024 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](mailto: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 7:00 a.m. to 5:30 p.m., Tuesday through Friday, or send the request to [pcedillo@aqmd.gov](mailto: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 Chair will announce public comment.

Speakers may be limited to a total of 3 minutes for the entirety of the consent calendar plus board calendar, and three minutes or less for each of the other agenda items.

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 3, 2024

AGENDA NO.

**PROPOSAL:** Recognize Funds, Execute Agreements for School Air Filtration Systems in Environmental Justice Communities, and Reimburse General Fund for Administrative Costs

**SYNOPSIS:** A settlement between the District Attorneys of Los Angeles, Riverside, San Bernardino, and Orange Counties and Pacifica Hosts, Inc. includes a Supplemental Environmental Project (SEP) in which air filtration systems would be supplied to schools within Environmental Justice (EJ) Communities. South Coast AQMD has been requested to administer the SEP. Further, unspent school air filtration SEP funds of \$45,000 from a South Coast AQMD settlement with the California Attorney General previously recognized by the Governing Board need to be reallocated to LAUSD. These actions are to: 1) recognize up to \$40,000 from the settlement between the District Attorneys and Pacifica Hosts, Inc. into Air Filtration Fund (75) to implement a school air filtration SEP; 2) authorize the Executive Officer to execute agreement(s) not to exceed \$81,000 with the Los Angeles Unified School District to install and maintain air filtration systems in schools within EJ Communities; and 3) reimburse the General Fund from the Air Filtration Fund (75) for administrative costs up to \$4,000 for implementing the school air filtration projects.

**COMMITTEE:** Technology, April 19, 2024; Recommended for Approval

**RECOMMENDED ACTIONS:**

1. Recognize up to \$40,000 from a settlement between District Attorneys in California and Pacifica Hosts, Inc., into the Air Filtration Fund (75) to implement a school air filtration SEP;
2. Authorize the Executive Officer to execute agreement(s) not to exceed a total amount of \$81,000 with LAUSD to install and maintain air filtration systems in schools within EJ Communities; and

3. Reimburse the General Fund from Air Filtration Fund (75) for the administrative costs up to \$4,000 for implementing the school air filtration projects.

Wayne Natri  
Executive Officer

AK:MW:DG:KTG:VT

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### **Background**

On December 6, 2019, the Governing Board approved the execution of a contract with IQAir North America Inc. for \$45,000 from Air Filtration Fund (75) to install and maintain air filtration systems at an eligible school. These funds originated from a South Coast AQMD settlement with the California Attorney General to implement a SEP. A school was identified within LAUSD for the funds. However, due to implementation timeline issues and changes in equipment needs the contract with IQAir North America Inc. was canceled. On July 12, 2023, District Attorneys for Los Angeles, Orange, Riverside and San Bernardino Counties entered into a settlement with Pacifica Hosts Inc. (Pacifica) which included \$40,000 in SEP funds for South Coast AQMD to install and maintain air filtration systems at schools in EJ communities. A total of \$81,000 from the two SEPs is available for implementing air filtration projects at LAUSD. Staff has worked closely with LAUSD to identify potential schools within EJ Communities to install and maintain air filtration systems.

### **Proposal**

These actions are to: (1) to recognize up to \$40,000 from the settlement between the District Attorneys and Pacifica to implement a school air filtration SEP; (2) authorize the Executive Officer to execute agreement(s) with LAUSD not to exceed a total amount of \$81,000 to install and maintain air filtration systems in schools in EJ Communities; and (3) reimburse the General Fund from the Air Filtration Fund (75) up to \$4,000 to cover administrative costs for implementing the school air filtration projects.

### **Sole Source Justification**

Section VIII. B. 2 of the Procurement Policy and Procedure identifies four major provisions under which a sole source award may be justified. This request for a sole source award is made under provision B.2.c (1): The desired services are available from only the sole-source based upon the unique experience and capabilities of the proposed contractor or contractor team; and B.2.d: Other circumstances exist which in the determination of the Executive Officer requires such waiver in the best interests of the South Coast AQMD. LAUSD can successfully obtain contracts and

products needed to supply replacement filters for existing LAUSD air filtration systems.

**Benefits to South Coast AQMD**

These projects will reduce exposure to toxic pollutants and ultrafine PM for children, and school staff in EJ Communities. Health studies have determined that fine and ultrafine PM, including diesel PM, present the greatest air pollution health risk to sensitive receptors in EJ Communities.

**Resource Impacts**

All executed agreements with LAUSD for the installation and maintenance of air filtration systems at schools under the recommended actions will not exceed \$81,000 and administrative costs to implement these agreements will not exceed \$4,000. These executed agreements and administrative costs will be covered by \$45,000 in Air Filtration Fund (75) from the South Coast AQMD settlement with the California Attorney General plus \$40,000 from the Pacifica Hosts Inc. settlement recognized into the Air Filtration Fund (75).

# Agenda Item #1

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Recognize and Transfer Funds  
and Execute Agreements for  
School Air Filtration Systems in  
Environmental Justice Communities

Kelly Gamino



# Background and Staff Proposal



- Funding from two SEPs for the installation and maintenance of school air filtration systems in EJ Communities
- Funding sources for these SEPs includes:
  - \$45,000 from a repurposed South Coast AQMD contract, and
  - \$40,000 from a settlement between Pacifica Hosts Inc. and California District Attorneys
- Staff proposes to use these funds to install air filters at LAUSD Schools within EJ Communities

# Summary of Recommended Actions

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- Authorize the Executive Officer to execute agreements with LAUSD not to exceed \$81,000 to install and maintain school air filtration systems in EJ Communities
- Reimburse General fund for administrative costs of \$4,000 from the Pacifica Hosts Inc. settlement

**Technology Committee Agenda #2**

BOARD MEETING DATE: May 3, 2024

AGENDA NO.

**PROPOSAL:** Recognize Revenue, Transfer Funds, Execute Contract for Electrification of Balboa Island Ferries and Installation of Supporting Charging Infrastructure, and Reimburse General Fund for Administrative Costs

**SYNOPSIS:** South Coast AQMD received an award of \$8,297,548 for the electrification of Balboa Island ferries and installation of supporting charging infrastructure under CARB's Fiscal Year (FY) 2021-22 and FY 2022-23 Advanced Technology Demonstration and Pilot Projects Solicitation. These actions are to: 1) recognize up to \$8,297,548 from CARB into Clean Shipping Technology Demonstration Special Revenue Fund (83); 2) transfer up to \$250,000 for South Coast AQMD's project cost-share from Clean Fuels Fund (31) and up to \$7,664,396 as a temporary loan from Rule 1111 Air Quality Investment Fund (27) into Clean Shipping Technology Demonstration Special Revenue Fund (83); 3) execute a contract with Balboa Island Ferry in an amount not to exceed \$7,914,396 for the electrification of Balboa Island ferries and installation of supporting charging infrastructure; and 4) reimburse the General Fund up to \$633,152 from Clean Shipping Technology Demonstration Special Revenue Fund (83) for administrative costs necessary to implement this project.

**COMMITTEE:** Technology; April 19, 2024; Recommended for Approval

**RECOMMENDED ACTIONS:**

1. Recognize revenue, upon receipt, from CARB up to \$8,297,548 into Clean Shipping Technology Demonstration Special Revenue Fund (83);
2. Transfer up to \$250,000 for South Coast AQMD's project cost-share from Clean Fuels Program Fund (31) and up to \$7,664,396 as a temporary loan from the Air Quality Investment Fund (27) – Rule 1111 into Clean Shipping Technology Demonstration Special Revenue Fund (83) until CARB funding is received into the Clean Shipping Technology Demonstration Special Revenue Fund (83);
3. Authorize the Executive Officer to execute a contract with Balboa Island Ferry in an

- amount not to exceed \$7,914,396 for the electrification of Balboa Island ferries and installation of supporting charging infrastructure; and
4. Reimburse the General Fund up to \$633,152 from the Clean Shipping Technology Demonstration Special Revenue Fund (83) for administrative costs necessary to implement the project.

Wayne Nastri  
Executive Officer

AK:MW:VP:MH

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### **Background**

On October 26, 2023, South Coast AQMD submitted five proposals in response to CARB's solicitation under CARB's Fiscal Year (FY) 2021-22 and FY 2022-23 Advanced Technology Demonstration and Pilot Projects, including one to electrify three Balboa Island ferries and install the supporting charging infrastructure. On March 7, 2024, CARB advised that South Coast AQMD had been approved for an \$8,297,548 award.

The Balboa Island Ferry is a transportation and tourism link between Balboa Island and the Balboa Peninsula in Newport Beach, California. The Balboa Island Ferry owns and operates three identical vintage wooden ferries initially built in the 1950s. In 2022, these ferries carried approximately 1.5 million passengers and 350,000 cars. The CARB Commercial Harbor Craft (CHC) regulation requires all short-run ferries in California to convert to zero-emission (ZE) propulsion by December 2025. Balboa Island Ferry is a unique ferry operator in California, and conversion of their diesel powered ferries to ZE propulsion will demonstrate feasibility of ZE ferry powertrains for unique operators like Balboa Island Ferry. This project will help remove barriers to adopting ZE propulsion in the marine sector. South Coast AQMD is partnering with Balboa Island Ferry to replace three diesel ferries with 2010 Tier II marine engines with electric propulsion and install up to four chargers to support vessel charging. The project will enable Balboa Island Ferry to become California's first operator to have all zero emission 100 percent battery electric ferry fleet.

### **Proposal**

The proposed project will replace or repower three diesel ferries with three ZE electric ferries with a sufficient bank of batteries to provide electricity to the motors for 16-hour operational shifts and install four chargers at the Balboa Island ferry dock to charge the ferries. Balboa Island Ferry will work with project partners to design and evaluate the ZE technology and select a propulsion system for the vessels. Balboa Island Ferry will also work with the U.S. Coast Guard to ensure the vessels meet safety, passenger needs,

and all other requirements as well. Balboa Island Ferry will also work with Southern California Edison (SCE), the City of Newport Beach, and equipment suppliers to develop and install shoreside chargers. South Coast AQMD will monitor and collect operational data during the 12-month demonstration period and ensure compliance with CARB's CHC Regulation requirements.

This action is to recognize revenue from CARB up to \$8,297,548 (\$7,664,396 for project costs and \$633,152 for administrative costs) from the CARB's Advanced Technology Demonstration and Pilot Projects. To expedite the project, this action will also transfer up to \$250,000 from the Clean Fuels Program Fund (31) into Fund (83) for South Coast AQMD's project cost-share and provide up to \$7,664,396 as a temporary loan until CARB funds are received into the Clean Shipping Technology Demonstration Special Revenue Fund (83). Finally, this action authorizes the Executive Officer to execute a contract with Balboa Island Ferry in an amount not to exceed \$7,914,396 to electrify three ferries along with supporting infrastructure and reimburse the General Fund up to \$633,152 from Fund (83) for administrative costs necessary to implement the project.

### **Sole Source Justification**

Section VIII.B.2. of the Procurement Policy and Procedure identifies four major provisions under which a sole source award may be justified. The request for sole source award for the Balboa Island Ferry contract is made under provisions B.2.c.(1): The unique experience and capabilities of the proposed contractor or contractor team; B.2.c.(2): The project involves the use of proprietary technology; and B.2.d.(1): Projects involving cost-sharing by multiple sponsors. Balboa Island Ferry has a unique operation, and it is critical for this transit company to fully transition to zero emission to comply with CARB CHC regulation requirements. Upon project completion, Balboa Island Ferry will be the first to operate all ZE, 100 percent electrified ferries, demonstrating a unique advanced ZE technology and supporting infrastructure in the marine sector. Additionally, CARB will be providing approximately 62 percent of total project costs while Balboa Island Ferry and South Coast AQMD will provide approximately 36 percent and 2 percent, respectively.

### **Benefits to South Coast AQMD**

The South Coast Air Basin is classified as an "extreme" nonattainment area for ozone under the federal Clean Air Act. ZE development and demonstration projects that reduce (CHC emissions are included in the Technology Advancement Office Clean Fuels Program 2024 Plan Update and South Coast AQMD 2022 AQMP. After this project's successful development, demonstration, and deployment, Balboa Island Ferry will become California's first zero emission, 100 percent electrified ferry operation. This project is expected to result in reductions of NOx, particulate matter and reactive organic gas emissions.

### Resource Impacts

The total project cost will not exceed \$12,340,406, which includes up to \$7,664,396 through the award from CARB to South Coast AQMD, up to \$4,426,010 from Balboa Island Ferry including anticipated state match funds, awarded to Balboa Island Ferry, approved by the Board in February but pending CARB’s Case-by-Case approval, and up to \$250,000 from South Coast AQMD from the Clean Fuels Fund. The project costs, along with funding sources, are detailed in the table below:

#### Proposed Electrification of Balboa Island Ferries and Installation of Supporting Charging Infrastructure Project Costs

Source	Amount	Percent
CARB	\$7,664,396	62%
Balboa Island Ferry	\$2,335,954*	19%
Anticipated State Funds	\$2,090,056**	17%
South Coast AQMD ( <i>requested</i> )*	\$250,000	2%
<b>Total</b>	<b>\$12,340,406</b>	<b>100%</b>

\*Balboa Island Ferry Cash and In-kind Cost Share

\*\*Including funding from the Carl Moyer Program pending CARB’s Case-by-Case approval and from the Clean Off-Road Equipment Voucher Incentive Project

Sufficient funds are available from the Clean Fuels Program Fund (31). The Clean Fuels Program Fund (31) is established as a special revenue fund resulting from the state mandated Clean Fuels Program. The Clean Fuels Program, under Health and Safety Code Sections 40448.5 and 40512 and Vehicle Code Section 9250.1 I, establishes mechanisms to collect revenues from mobile sources to support projects to increase the utilization of clean fuels, including the development of the necessary enabling technologies. Funds collected from motor vehicles are restricted, by statute, to be used for projects and program activities related to mobile sources that support the objectives of the Clean Fuels Program.

## Agenda Item #2

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Recognize Revenue, Transfer Funds and  
Execute Contract for Electrification of Balboa  
Island Ferries and Installation of Supporting  
Charging Infrastructure

Maryam Hajbabaei

# Background

- The CARB Commercial Harbor Craft (CHC) regulation requires all short-run ferries in California to convert to zero emission propulsion by December 2025
- In October 2023, South Coast AQMD responded to a CARB solicitation for Advanced Technology Demonstration and Pilot Projects
- In March 2024, South Coast AQMD was awarded \$8.2 million for the Balboa Island Ferry electrification project





# Proposal

- Balboa Island Ferry proposes to replace or repower the three diesel ferries with zero emission electric ferries and install supporting infrastructure at its dock
- The project includes:
  - Design and evaluate zero emission technology
  - Select the appropriate electric propulsion system
  - U.S. Coast Guard approval
  - Install charging infrastructure
  - Monitor and collect operational data for 12 months



# Resource Impacts

Source	Funding Amount \$	Project %
CARB	\$7,664,396	62%
Balboa Island Ferry	\$2,335,954 *	19%
Anticipated State Funds	\$2,090,056 **	17%
<i>South Coast AQMD (Proposed)</i>	<i>\$250,000</i>	<i>2%</i>
<b>Total Project Cost</b>	<b>\$12,340,406</b>	<b>100%</b>

\* Balboa Island Ferry Cash and In-kind Cost Share

\*\* Including funding from the Carl Moyer Program pending CARB's Case-by-Case approval and from the Clean Off-Road Equipment Voucher Incentive Project

# Summary of Recommended Actions

- Recognize revenue from CARB and transfer South Coast AQMD cost-share and temporary loan from the Air Quality Investment Fund (27) into the Clean Shipping Technology Demonstration Special Revenue Fund (83)
- Authorize the Executive Officer to execute a contract with Balboa Island Ferry for the electrification of the ferries and installation of supporting charging infrastructure
- Reimburse the General Fund up to \$633,152 from the Clean Shipping Technology Demonstration Special Revenue Fund (83) for administrative costs