



**MOBILE SOURCE AIR POLLUTION REDUCTION REVIEW COMMITTEE  
THURSDAY, NOVEMBER 21, 2024 MEETING MINUTES**  
21865 Copley Drive, Diamond, Bar, CA 91765

**MEMBERS PRESENT:**

(Chair) Larry McCallon, representing San Bernardino County Transportation Authority (SBCTA)  
Curt Hagman, representing South Coast Air Quality Management District (AQMD)  
William Robertson, representing California Air Resources Board (CARB)  
Patrick Harper, representing Orange County Transportation Authority (OCTA)  
Rena Lum (Alt.), representing Los Angeles County Metropolitan Transportation Authority (Metro)  
Mark Henderson, representing Southern California Association of Governments (SCAG)

**MEMBERS ABSENT:**

(Vice-Chair) Brian Berkson, representing Riverside County Transportation Commission (RCTC)  
Linda Krupa, representing Regional Rideshare Agency  
Cindy Allen (Alt.), representing SCAG  
Steve Veres, representing Metro  
John Dutrey (Alt.), representing SBCTA  
Peter Christensen (Alt.), representing CARB

**MSRC-TAC MEMBERS PRESENT:**

Lijin Sun, SCAG

**OTHERS PRESENT:**

Alex Nicholas, MHX, LLC  
Lauren Dunlap  
Sam Emmersen, Better World Group

**SOUTH COAST AQMD STAFF & CONTRACTORS PRESENT:**

Cynthia Ravenstein, MSRC Contracts Administrator  
Daphne Hsu, Principal Deputy District Counsel  
De Groeneveld, Information Technology Supervisor

John Kampa, Financial Services Manager  
Karen Sandoval, Financial Analyst  
Lane Garcia, Program Supervisor  
Laurence Brown, Air Quality Specialist  
Leticia Ramirez, MSRC Contracts Assistant  
Maria Allen, Administrative Assistant  
Marjorie Eaton, Administrative Assistant  
Ray Gorski, MSRC Technical Advisor-Contractor  
Sam Cao, Program Supervisor

**CALL TO ORDER**

- Chair McCallon called the meeting to order at 2:00 p.m.
- Roll call was taken at the start of the meeting.

**STATUS REPORT**

## Clean Transportation Policy Update

- Chair McCallon asked for disclosures.

Items Nos. 13, 14, 15, and 16 – MSRC Member Curt Hagman said he does not have a financial interest in Item Nos. 13, 14 15, and 16, but is required to identify for the record that he is a member of the Governing Board for the South Coast AQMD, which is involved in these items.

Items Nos. 13, 15, and 16 – MSRC Alternate Member Rena Lum said she does not have a financial interest in Item Nos. 13, 15, and 16 but is required to identify for the record that she is an employee for the Los Angeles County Metropolitan Transportation Authority, which is involved in these items.

Item No. 3 – MSRC Member Mark Henderson said he does not have a financial interest in Item No. 3 but is required to identify for the record that he is a Councilmember for the City of Gardena, which is involved in the item.

Items Nos. 13, 14, 15, and 16 – MSRC Chair Larry McCallon said he does not have a financial interest in Item Nos. 13, 14 15, and 16, but is required to identify for the record that he is a member of the Governing Board for the South Coast AQMD, which is involved in these items.

- Chair McCallon asked for public comment on the Consent Calendar.

No public comment.

**CONSENT ITEMS (Items 1 through 8):****1. Minutes of June 20, 2024 MSRC Meeting**

The June 20, 2024 MSRC meeting minutes were included in the agenda package.

Moved by Hagman; seconded by Henderson; under approval of Consent Calendar Items #1-8, item unanimously approved.

Ayes: Hagman, Henderson, Harper, Lum, Robertson, McCallon  
Noes: None  
Action: Staff will include the MSRC minutes with the MSRC Committee Report for the December 2024 South Coast AQMD Board meeting.

## **2. Consider Adoption of 2025 Meeting Schedules**

Annually, the MSRC considers a proposed meeting schedule for the coming year.

Moved by Hagman; seconded by Henderson; under approval of Consent Calendar Items #1-8, item unanimously approved.

Ayes: Hagman, Henderson, Harper, Lum, Robertson, McCallon  
Noes: None  
Action: No further action is necessary.

## **3. Summary of Final Reports by MSRC Contractors**

- City of Gardena, Contract #MS18027 – Install New Limited Access CNG Station & Modify Maintenance Facility
- Riverside County Transportation Commission (RCTC), Contract #MS18024 – Vanpool Incentive Program
- RF Dickson, Contract #MS18106 – Expansion of Existing CNG Station & Mechanic Training

Moved by Hagman; seconded by Henderson; under approval of Consent Calendar Items #1-8, item unanimously approved.

Ayes: Hagman, Henderson, Harper, Lum, Robertson, McCallon  
Noes: None  
Action: Staff will release any remaining retention on the contracts

## **4. MSRC Contracts Administrator's Report**

The MSRC AB 2766 Contracts Administrator's Report for August 29 through October 30, 2024 was included in the agenda package.

Moved by Hagman; seconded by Henderson; under approval of Consent Calendar Items #1-8, item unanimously approved.

Ayes: Hagman, Henderson, Harper, Lum, Robertson, McCallon  
Noes: None  
Action: Staff will include the MSRC Contracts Administrator's Report in the MSRC Committee Report for the December 2024 South Coast AQMD Board meeting.

**5. Financial Report on AB 2766 Discretionary Fund**

A financial report on the AB2766 Discretionary Fund for October 2024 was included in the agenda package.

Moved by Hagman; seconded by Henderson; under approval of Consent Calendar Items #1-8, item unanimously approved.

Ayes: Hagman, Henderson, Harper, Lum, Robertson, McCallon

Noes: None

Action: No further action is required.

**6. Report on Outreach Activities**

This report provides a summary of outreach, communications and policy activities undertaken by the Better World Group on behalf of MSRC for Summer 2024.

Moved by Hagman; seconded by Henderson; under approval of Consent Calendar Items #1-8, item unanimously approved.

Ayes: Hagman, Henderson, Harper, Lum, Robertson, McCallon

Noes: None

Action: No further action is required.

**7. Report on Alternative Solicitation Posting Platforms**

At their August 2024 meeting, the MSRC directed MSRC staff to investigate other means of solicitation positing and proposal acceptance, such as Planet Bids service. The MSRC Contracts Administrator recommends no action with respect to alternative posting platforms.

Moved by Hagman; seconded by Henderson; under approval of Consent Calendar Items #1-8, item unanimously approved.

Ayes: Hagman, Henderson, Harper, Lum, Robertson, McCallon

Noes: None

Action: No further action is required.

**8. Consider Modified Statement of Work and 11-Month Term Extension by City of Long Beach, Agreement #MS24008 (\$410,734 – Micro Transit Expansion Program)**

The City requests to increase the number of electric vehicles in service during all operating hours and to increase Sunday operating hours, at no additional cost to the MSRC. The City also requests an 11-month term extension due to longer than anticipated time for City Council approval of the service expansion. This

Agreement has not previously been extended. The MSRC Contracts Administrator recommends approval.

Moved by Hagman; seconded by Henderson; under approval of Consent Calendar Items #1-8, item unanimously approved.

Ayes: Hagman, Henderson, Harper, Lum, Robertson, McCallon

Noes: None

Action: Staff will amend the above contract accordingly.

### **ACTION CALENDAR (Items 9 through 16)**

#### **FY 2016-18 Work Program**

#### **9. Consider Two-Year or Alternatively, 13-Month Extension and Reduced Scope and Value by County of Riverside, Contract #ML18078 (\$375,000 – Purchase 15 Near-Zero Emission Heavy-Duty Vehicles)**

Cynthia Ravenstein, MSRC Contracts Administrator, presented Riverside County is seeking an extension for a contract valued at \$375,000, originally awarded for the deployment of 15 near-zero emission heavy-duty vehicles. Currently, 12 vehicles have been deployed, with a 13th recently added in October. Due to delays caused by the discontinuation of a specific engine by Cummins, the County is requesting a two-year extension to fulfill the contract's requirements by October 2025. The County has also proposed an alternative of a 13-month extension and a reduction in the number of vehicles to 13, which would lower the contract value to \$325,000. The MSRC-TAC recommends granting the two-year extension, as it's the first extension request.

Chair Larry McCallon asked if these are CNG vehicles. Ravenstein answered yes, and they are anticipated to be delivered and put into service by the first quarter of 2025.

MSRC Member Mark Henderson commented on and expressed a preference for a 24-month extension to maximize project opportunities. He emphasized the importance of maintaining a longer timeframe to ensure projects can be completed without disruption.

Chair McCallon asked for public comment on Item number 9.

No public comment.

Moved by Hagman to grant a two-year extension on the condition that this will be

their final extension; seconded by Harper; item unanimously approved.

Ayes: Hagman, Henderson, Harper, Lum, Robertson, McCallon

Noes: None

Action: Staff will amend the above contract accordingly.

### **FY 2018-21 Work Program**

#### **10. Consider 11-Month Extension by MHX, LLC, Agreement #MS21010 (\$569,275 – Deploy One Overhead Zero Emission Crane)**

Cynthia Ravenstein, MSRC Contracts Administrator, presented that MHX, LLC has been awarded over \$569,000 under the 2018-21 Work Program to install a zero-emission overhead crane. As part of this project, they will phase out several diesel forklifts; this is a contractual obligation. Previously, MHX requested and was approved for an 18-month extension to complete the project. However, they later realized this timeframe was insufficient to meet their delivery and operational goals. Consequently, they are now seeking an additional 11-month extension, which has been double-checked by both parties to ensure it aligns with their projected completion date. This request is framed as a final extension. The MSRC-TAC recommends approval, on the condition that this will be the final extension.

Chair Larry McCallon asked for public comment on Item number 10.

Alex Nicholas with MHX, LLC commented that he appreciated the MSRC taking this into consideration.

Moved by Henderson to grant an 11-month extension on the condition that this will be their final extension; seconded by Hagman; item unanimously approved.

Ayes: Hagman, Henderson, Harper, Lum, Robertson, McCallon

Noes: None

Action: Staff will amend the above contract accordingly.

#### **11. Review Draft RFP for MSRC Website Hosting, Maintenance and Modifications**

Cynthia Ravenstein, MSRC Contracts Administrator, discussed the development of a draft Request for Proposals (RFP) for website hosting and maintenance services. The approach outlined emphasizes a flexible method for modifications, where bidders are asked to provide their rates for potential changes rather than specific quotes for unknown modifications. If the need arises for significant changes beyond minor adjustments, a task-specific quote will be requested from the bidders for approval.

The draft RFP has been reviewed by the MSRC-TAC, which recommends its approval.

MSRC Member Patrick Harper asked how the content of the website gets changed. Ms. Ravenstein answered that staff are able to make a lot of the changes themselves.

MSRC Member Henderson commented on the importance of ensuring that the site in question remains compliant with the Americans with Disabilities Act (ADA) when transitioning responsibilities to a new individual or team. Ravenstein answered that we did ask the website hosts to do an assessment for us at the beginning of their contract, and we could ask for a quote to do another assessment under the new contract.

Henderson continued that there are firms out there targeting agencies that don't have their website ADA compliance up to date, and I don't think we want to acquire a lawsuit to make our site in compliance.

Chair Larry McCallon asked for public comment on Item number 11.

No public comment.

Moved by Hagman, to approve the RFP; seconded by Henderson; item approved.

Ayes: Hagman, Henderson, Harper, Lum, Robertson, McCallon

Noes: None

Action: This item will be placed on the next AQMD Board agenda for approval and release

**12. Consider Three-Month Term Extension and Contract Value Increase by Geographics, Contract #MS21006**

Cynthia Ravenstein, MSRC Contracts Administrator, related that staff anticipates bringing forward a recommended award for the website hosting and maintenance in March 2025. That is close to when the current contract expires. Ravenstein is recommending, and the MSRC-TAC also recommends a three-month extension and a \$1,269 value increase on the current contract to keep that situation going while we work through this process.

Chair Larry McCallon asked for public comment on Item number 12.

No public comment.

Moved by Hagman; seconded by Harper, item unanimously approved.



Ayes: Hagman, Henderson, Harper, Lum, Robertson, McCallon  
Noes: None  
Action: Staff will amend the above contract accordingly.

**13. Consider Recommending \$6 Million Award to California Energy Commission (CEC) to Implement Caltrans/CEC West Coast Truck Charging and Fueling Corridor Project**

Ray Gorski, MSRC Technical Advisor, presented this item and discussed formal action to be taken by the MSRC to strengthen a partnership with the California Energy Commission and Caltrans. This partnership was originally established in August to pursue funding through the US Department of Transportation (USDOT) Charging and Fueling Infrastructure (CFI) program. The MSRC committed up to \$6 million to co-fund two specific projects aimed at enhancing infrastructure: the West Coast Charging and Fueling Corridor program and the Zero Emission Medium Heavy-Duty Drayage Infrastructure Program.

Gorski reported that the US DOT has awarded \$102.4 million to Caltrans for the West Coast Charging and Fueling Infrastructure Project. This initiative forms part of a larger three-state program aimed at enhancing electric vehicle infrastructure along the West Coast. The State agencies are advocating for the full allocation of \$6 million to this program, emphasizing the importance of securing funding for current projects.

Gorski continued that the plan includes constructing a minimum of two charging stations, each with a total capacity of at least one megawatt. However, the exact locations for these charging facilities are yet to be determined, as the Energy Commission must solicit proposals and identify construction partners before proceeding. The approval being sought focuses on entering an agreement between the Energy Commission, Caltrans, and the MSRC, while acknowledging that the specific sites for the projects remain undecided.

The MSRC-TAC has reviewed the funding request and recommends awarding up to \$6 million to Caltrans for the installation of heavy-duty truck charging infrastructure under the Caltrans/CEC Partnership. The urgency for this decision comes from the need for certainty in available resources, as the CEC and Caltrans must recruit project partners to construct the charging facilities.

Chair Larry McCallon asked when they would be constructed; Gorski answered by 2028.

MSRC Member Curt Hagman discussed the complexities and inefficiencies involved in granting funds and managing projects. He noted that CEC had mentioned that there is uncertainty about the location of charging stations funded by these grants. This leads to a concern that funds may be redirected to third parties rather than focusing on internal projects.

Hagman asked what the other project was. Gorski answered that the other project focused on installing electric charging stations for drayage trucks along significant transportation corridors.

Hagman expressed further concerns regarding the implementation of electric vehicle infrastructure, particularly focusing on the financial implications and lack of a comprehensive plan. He highlighted the significant costs associated with charging stations, emphasizing that while he is willing to support the initiative, there needs to be clarity on how it fits into a larger strategy for EV adoption. Gorski answered, recognizing the need for clarity in funding to facilitate decision-making for both agencies.

Hagman also expressed concerns regarding the allocation and commitment of funds before February 2025. He expressed uncertainty about the likelihood of successfully deploying these funds. Gorski answered we do have at least a preliminary schedule which shows these chargers would be installed by 2028.

MSRC Member Patrick Harper asked how many chargers would be installed per location for truck charging. Gorski responded, explaining that while the sites are expected to be larger than one megawatt, as a basic estimate a megawatt facility would allow for approximately seven chargers.

MSRC Member William Robertson asked where the funds are coming from. Gorski answered that they are an allocation of federal funds, specifically from the U.S. Department of Transportation (USDOT) and the Federal Highway Administration (FHWA), to California, with an emphasis on the South Coast region. It underscores the significance of federal funding in supporting infrastructure and transportation projects, which are crucial for regional development and economic growth. Gorski and Robertson continued the discussion emphasizing that California is spearheading a transportation program that spans across three states, including Washington and Oregon, with a primary goal of developing the zero-emission corridor along Interstate 5.

MSRC Member Mark Henderson commented on his concern regarding the oversight of a financial commitment of \$6 million. He questioned whether there is a mechanism in place to monitor how these funds are utilized after they are distributed.

Chair McCallon asked about the mechanism we would have with CEC. Gorski responded emphasizing that this particular contract will possess all the essential elements found in standard contracts, ensuring that it meets all necessary criteria and expectations.

Chair McCallon asked for public comment on item number 13.

No public comment.

Moved by Hagman authorizing the full \$6 million award to the West Coast Charging and Fueling Corridor Project, giving staff direction that we want to execute within a 12-month period. If not, staff shall bring back a status update; seconded by Harper, item unanimously approved.

Ayes: Hagman, Henderson, Harper, Lum, Robertson, McCallon

Noes: None

Action: Authorization to enter into the agreement with CEC will be placed on the South Coast AQMD Board agenda for approval

**14. Consider Proposed Partnership with South Coast AQMD on Projects to Develop and Demonstrate Class 2B/3 and Class 4/5 Medium-Duty Battery Electric Trucks**

Ray Gorski, MSRC Technical Advisor, outlined a series of technology projects aimed at improving air quality in partnership with the South Coast AQMD. The initiative includes the development of 10 zero-emission Ford F-350 work trucks in collaboration with Voltu Motors, Inc. Additionally, a second project involves two components: the Enevate Corporation is working on a fast-charging battery pack, which will be integrated into a medium-duty truck by Evolectric, Inc. These projects signify a step towards cleaner transportation and demonstrate a commitment to reducing emissions in the region.

MSRC Member Hagman discussed advancements in technology, particularly in the field of hydrogen fuel cells and electric vehicles. He has observed that the United States lags behind other countries in adopting and implementing these technologies. Overall, he advocates a more aggressive approach to adopting new technologies to enhance the country's capabilities in this vital area.

MSRC Chair Larry McCallon commented that when he went to Shenzhen, China to visit the BYD facility there he saw they are far ahead of us.

MSRC Member Henderson highlighted the need for a visible identification system, such as stickers or branding materials, that indicates the source of funding from the Committee. Gorski answered that we certainly can do that as an element in their contract.

Chair McCallon asked for public comment on Item number 14.

No public comment.

Moved by Hagman authorizing an award of up to \$800,000 to partner with the South Coast AQMD; seconded by Henderson

Ayes: Hagman, Henderson, Harper, Lum, Robertson, McCallon

Noes: None

Action: This item will be placed on the next AQMD Board agenda for approval

**15. Consider Partnership with LA Metro on California Transportation Commission – Trade Corridor Enhancement Program (TCEP) Funding Application**

Ray Gorski, MSRC Technical Advisor, presented that in January 2024, a cooperative agreement was established between the MSRC and the Los Angeles County Metropolitan Transportation Authority (LA Metro). This partnership aims to collaboratively pursue funding opportunities that align with the zero-emission mission, focusing on improving goods movement across the Greater Los Angeles area. The first initiative taken under this agreement was the issuance of a Request for Information (RFI) by the MSRC in August. This RFI invited project proposals and additional insights to support a potential application that LA Metro would submit to the California Transportation Commission, specifically targeting the TCEP.

MSRC-LA Metro received eleven information package submittals. LA Metro has identified two candidate sites for the construction of zero-emission truck refueling infrastructure as part of an initiative to enhance transportation sustainability. The first site is a collaboration between MN8 Energy and a logistics facility in the Long Beach East LA Corridor, while the second site is proposed by Forum Mobility in Rancho Dominguez. To support the application to the California Transportation Commission, LA Metro plans to contribute \$3 million, which they seek to match with an additional \$3 million from the MSRC. The total estimated project cost is \$37.8 million, emphasizing the collaborative funding efforts from all parties involved.

Chair Larry McCallon asked for public comment on Item number 15.

No public comment.

Moved by Hagman authorizing MSRC's commitment of \$3,000,000 in co-funding towards the two projects seeking TCEP funding; seconded by Harper

Ayes: Hagman, Henderson, Harper, Lum, Robertson, McCallon

Noes: None

Action: If LA Metro receives a TCEP funding award, an item will be brought back seeking MSRC approval to enter a funding agreement.

#### **16. Status Update on MSRC FY 2024-'27 Work Program Development**

Ray Gorski, MSRC Technical Advisor, presented that approximately \$92.2 million is available for the 2024-27 Work Program, marking an increase of about \$12 million from the previous update. Three Work Program subcommittees are currently active: the Partnership Subcommittee, focusing on leveraging discretionary funds for priority programs; the Innovation Subcommittee, dedicated to zero-emission technology demonstrations; and the Innovative Transportation Control Measure Subcommittee, emphasizing clean mobility. Gorski also detailed recent funding allocations, including commitments totaling \$9.8 million for various partnerships aimed at enhancing infrastructure for goods movement and zero-emission technologies. Immediate opportunities for additional partnerships have arisen, particularly from shovel-ready projects responding to the Request for Information (RFI) for heavy-duty truck fueling infrastructure.

MSRC Member Robertson discussed the strategic approach to forming partnerships for funding projects, emphasizing the importance of collaboration between entities to maximize financial support for project development.

Gorski discussed the immediate opportunities available for partnerships and funding in the development of heavy-duty truck fueling infrastructure projects. 11 responses to the RFI were received, many of which are shovel-ready projects. The MSRC is evaluating these projects and aims to partner with other entities to secure additional funding. Although establishing partnerships and obtaining funding can be time-consuming, the MSRC has a successful track record of leveraging funding from various sources. The ultimate goal is to efficiently administer these projects while maximizing the financial contributions from partners,

MSRC Member Hagman emphasized the importance of strategic location and effective coordination among agencies. He suggested that while funding for projects is crucial, understanding their utility and purpose is equally important to ensure that public dollars are spent wisely. He argued for a structured approach to identify gaps in infrastructure, aiming to match resources with specific needs in various regions, such as high desert areas or ports.

Gorski discussed the strategic planning and funding for projects along the I-710

Corridor, specifically focusing on communities that are heavily impacted by goods movement. A master plan funded by the California Energy Commission outlines the refueling needs in this area. The analysis indicates that even if the MSRC funds most of the proposals submitted, the financial support would still fall short of addressing the identified needs. Consequently, the concern about over-saturating one area with projects while neglecting others does not seem pressing at this moment, as demand currently outstrips available infrastructure and funding.

Chair Larry McCallon emphasized the importance of geographic equity in decision-making processes. He stresses that ensuring fair distribution of resources and opportunities across different regions is crucial.

Gorski reported on the efforts of the Innovative Transportation Control Measure Subcommittee. The Subcommittee is committed to engaging multiple stakeholders, including Southern California Association of Governments and the four County Transportation Commissions, ensuring that all voices are heard in the planning process. They aim to present a regional program with broad consensus among stakeholders in an upcoming meeting.

In a recent meeting, a proposal was presented to initiate a large-scale program collaborating with county sanitation districts. The focus of this program is to explore the implementation of off-road zero-emission electrification, particularly through equipment that is not currently available in the United States. The program aims to set up four demonstration sites, one in each county, to showcase zero-emission off-road equipment, on-road refuse trucks, and the necessary infrastructure to support such initiatives. Staff is working diligently to finalize the program and present it for recommendations in the upcoming year.

### **OTHER BUSINESS:**

Chair Larry McCallon asked if anyone has other business.

MSRC Member William Robertson posited the potential expansion of Request for Information processes related to transportation corridors beyond the existing I-710 corridor. He expressed a need for official guidance to encourage staff to explore additional corridors. The MSRC acknowledged the need for staff to compile recommendations for future work programs that could include various corridors.

### **PUBLIC COMMENT PERIOD**

No public comments.

**ADJOURNMENT**

The meeting adjourned at 3:20 p.m.

[Prepared by Marjorie Eaton]