



TECHNICAL ADVISORY COMMITTEE OF THE MOBILE SOURCE AIR POLLUTION REDUCTION REVIEW COMMITTEE

AGENDA

Thursday, October 3, 2024 at 1:30 p.m.

A meeting of the MSRC-TAC will be held at 1:30 p.m. on Thursday, October 3, 2024 through a hybrid format of in-person attendance in Conference Room CC-8 at the South Coast AQMD Headquarters, 21865 Copley Drive, Diamond Bar, California, and remote attendance via videoconferencing and by telephone. Please follow instructions below to attend the meeting remotely.

TELECONFERENCE LOCATIONS

Los Angeles County MTA
One Gateway Plaza
Pasadena Conference Room, 22nd Floor
Los Angeles, CA 90012

Los Angeles County ISD
1100 N. Eastern Avenue
2nd Floor Conference Room
Los Angeles, CA 90063

Palm Desert City Hall
73-510 Fred Waring Drive
North Wing Conference Room
Palm Desert, CA 92260

CalEPA
1001 I Street
Training Room 1 East - 1st Floor
Sacramento, CA 95818

Please refer to the MSRC's website, www.cleantransportationfunding.org, for information regarding the format of the meeting, updates if the meeting format is changed to full remote via webcast format, and details on how to participate.

ELECTRONIC PARTICIPATION INFORMATION AT BOTTOM OF AGENDA

Join Zoom Webinar Meeting - from PC or Laptop
<https://scagmd.zoom.us/j/92169494044>

Zoom Webinar ID: 921 6949 4044 (applies to all)

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

*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 comment on an agenda item or during the public comment period, please "raise your hand" on Zoom or dial *9 on your phone. All agendas for regular meetings are posted at District 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.*

Committee Members

MSRC-TAC Chair

Minh Le
Alternate: Laura Iannoccone
Representing Los Angeles County Board of Supervisors

Ash Nikravan
Alternate: Yuh Jiun Tan
Representing South Coast AQMD

MSRC-TAC Vice-Chair

Jason Farin
Representing Riverside County Board of Supervisors

Joseph Alcock
Representing Cities of Orange County
Vacant
Representing Cities of Los Angeles County

MSRC-TAC Members

Angie Ramirez
Representing City of Los Angeles

Adriann Cardoso
Alternate: Jack Garate
Representing Orange County Transportation Authority

Brian Cunanan
Alternate: Hanan Sawalha
Representing Regional Rideshare Agency

Rongsheng Luo
Alternate: Scott Strelecki
Representing Southern California Association of Governments

Inder Atwal
Representing California Air Resources Board

Jenny Chan
Alternate: Lorelle Moe-Luna
Representing Riverside County Transportation Commission

Denis Bilodeau
Representing Orange County Board of Supervisors

Chris Escobedo
Representing Cities of Riverside County

Mark McCullough
Representing San Bernardino County Board of Supervisors

Steven Lee
Alternate: David Leyzerovsky
Representing Los Angeles MTA

Vacant
Mechanical Expert

Sean O'Connor
Representing Cities of San Bernardino County

Vacant
Air Pollution Control Expert

Kelly Lynn
Representing San Bernardino County Transportation Authority

CALL TO ORDER

- Roll Call

Opening Comments: Minh Le, MSRC-TAC Chair
Other MSRC-TAC Members

CONSENT CALENDAR (Items 1 and 5)

Information Only - Receive and File

1. Minutes of the June 6, 2024 MSRC-TAC Meeting Allen
2. Summary of Final Report by MSRC Contractor Gorski
City of Gardena, MS18027, \$365,000 – Install New Limited Access CNG Station & Modify Maintenance Facility
3. MSRC Contracts Administrator’s Report Ravenstein
This report covers key issues addressed by MSRC staff, status of open contracts, and administrative scope changes from August 29 through September 25, 2024.
4. Financial Report on AB 2766 Discretionary Fund Sandoval
Financial Report for August 2024.
5. Report on Outreach Activities Better World Group
This report provides a summary of outreach, communications and policy activities undertaken by the Better World Group on behalf of MSRC for Summer 2024.

ACTION CALENDAR (Items 6 and 7)

6. Review Draft RFP for MSRC Website Hosting, Maintenance and Modifications Ravenstein
At their August 2024 meeting, the MSRC authorized the preparation of an RFP for MSRC website hosting and maintenance services. A draft RFP has been developed and is presented for MSRC-TAC review.

7. 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

Gorski

There is currently a lack of commercial availability for Class 2B/3 vocational work trucks, and many early model medium-duty battery electric trucks require overnight charging. South Coast AQMD has proposed to partner with MSRC, bringing in a dollar-to-dollar match from Clean Fuels Program Funds, on projects for the development and demonstration of faster charging as well as increased availability for medium-duty trucks. The MSRC-TAC Partnership Subcommittee recommends that the MSRC partner with South Coast AQMD to support projects with: 1) Voltu Motor Inc. to develop, demonstrate and deploy 10 Ford F350 Class 2B/3 battery electric trucks with an MSRC funding contribution not to exceed \$300,000; 2) Enevate Corporation to develop a fast-charging battery pack for medium-duty battery electric trucks with MSRC contribution not to exceed \$250,000; and 3) Evolectric Inc. to integrate and demonstrate the fast-charging Class 4/5 medium-duty battery electric truck with MSRC contribution not to exceed \$250,000.

OTHER BUSINESS

**Any member of the committee, 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)*

Le

PUBLIC COMMENT PERIOD - (Public Comment on Non-Agenda Items, Pursuant to Government Code Section 54954.3)

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.

ADJOURNMENT

NEXT MEETING: Date: November 7, 2024 1:30 PM, Location: South Coast AQMD Headquarters, Conference Room CC-8

Americans with Disabilities Act and Language Accessibility

Disability and language-related accommodations can be requested to allow participation in the MSRC-TAC 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 the District. Please contact Maria Allen at (909) 396-2714 from 7:00 a.m. to 5:30 p.m., Tuesday through Friday, or send the request to mallen@aqmd.gov

Pursuant to SB 343

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 Maria Allen at (909) 396-2714 or send the request to mallen@aqmd.gov

Contacts: Cynthia Ravenstein, MSRC Contracts Administrator – (909) 396-3269
Ray Gorski, MSRC Technical Advisor – (909) 396-2479
Maria Allen, MSRC Administrative Liaison – (909) 396-2714

***** Visit Our Website At: www.CleanTransportationFunding.org*****

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.

A countdown timer may 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.

Agenda Item #1

Minutes of the June 6, 2024 MSRC-TAC Meeting



**TECHNICAL ADVISORY COMMITTEE TO THE MSRC
THURSDAY, JUNE 6, 2024 MEETING MINUTES
21865 Copley Drive, Diamond Bar, CA 91765**

MSRC-TAC MEMBERS PRESENT:

MSRC-TAC Vice-Chair Jason Farin, representing Riverside County Board of Supervisors
Adriann Cardoso, representing Orange County Transportation Authority (OCTA)
Brian Cunanan, representing Regional Rideshare Agency
Chris Escobedo, representing the Cities of Riverside County
David Leyzerovsky (alt), representing Los Angeles County Metropolitan Transportation Authority
Denis Bilodeau, representing Orange County Board of Supervisors
Inder Atwal, representing California Air Resources Board
Jenny Chan, representing Riverside County Transportation Commission
Laura Iannaccone (alt), representing the Los Angeles County Board of Supervisors
Mark McCullough, representing San Bernardino County Board of Supervisors
Rongsheng Luo, representing Southern California Association of Governments (SCAG)
Yuh Jiun Tan (alt), representing South Coast AQMD

OTHERS PRESENT:

Ryan Laws - SCAG
Michael Martinez
Lijin Sun -SCAG
Louis Zhao - OCTA

SCAQMD STAFF & CONTRACTORS

Cynthia Ravenstein, MSRC Contracts Administrator
Daphne Hsu, Principal Deputy District Counsel
John Kampa, Financial Services Manager
Karen Sandoval, Financial Analyst
Kevin Ni, Program Supervisor
Kristin Remy, Senior Administrative Assistant
Lane Garcia, Program Supervisor
Maria Allen, MSRC Administrative Liaison
Nydia Ibarra, Public Affairs Specialist
Ray Gorski, MSRC Technical Advisor - Contractor
Sindy Enriquez, Contracts Assistant

CALL TO ORDER

- Call to Order
MSRC-TAC Vice-Chair Jason Farin called the meeting to order at 1:33 p.m.

CONSENT CALENDAR

Information Only – Receive and File

MSRC-TAC Member Alternate David Leyzerovsky disclosed for item #2 he does not have a financial interest, but is required to identify for the record that he is an employee of the Los Angeles County Metropolitan Transportation Authority which is involved in this item.

Agenda Item #1 – Minutes of March 7, 2024 MSRC-TAC Meeting

The minutes of the March 7, 2024, MSRC-TAC meeting were included in the agenda package.

Moved by Luo; Seconded by Chan; under approval of Consent Calendar Items #1-4, item unanimously approved.

Ayes: Atwal, Chan, Cunanan, Escobedo, Iannaccone (alt), Luo, Leyzerovsky (alt), McCullough, Tan (alt), Farin

Noes: None

Action: The meeting minutes were received and approved. MSRC staff will place the minutes on the MSRC's website.

Agenda Item #2 – Summary of Final Reports by MSRC Contractors

Two final reports were submitted for MSRC-TAC review and approval during June:

- San Bernardino County Transportation Authority – San Bernardino Line Discount Program, Contract #MS18065
- 4Gen Logistics – Purchase of Forty (40) Volvo VNR Electric Trucks, Contract #MS21013

Moved by Luo; Seconded by Chan; under approval of Consent Calendar Items #1-4, item unanimously approved.

Ayes: Atwal, Chan, Cunanan, Escobedo, Iannaccone (alt), Luo, Leyzerovsky (alt), McCullough, Tan (alt), Farin

Noes: None

Action: The Final Report Summaries were received and approved. They will be included on the MSRC's next agenda for final action.

Agenda Item #3 – MSRC Contracts Administrator's Report

The Contracts Administrator's Report for April 25 through May 29, 2024 was included in the agenda package.

Moved by Luo; Seconded by Chan; under approval of Consent Calendar Items #1-4, item unanimously approved.

Ayes: Atwal, Chan, Cunanan, Escobedo, Iannaccone (alt), Luo, Leyzerovsky (alt), McCullough, Tan (alt), Farin

Noes: None

Action: The Contracts Administrator's Report was received and filed. It will be included on the MSRC's next agenda for final action.

Agenda Item #4 – Summary of Final Reports by MSRC Contractors

The Financial Report on the AB 2766 Discretionary Fund for April 2024 and results of the 15th Biennial AB 2766 Audit Covering FYs 2019-20 and 2020-21 were included in the agenda package.

Moved by Luo; Seconded by Chan; under approval of Consent Calendar Items #1-4, item unanimously approved.

Ayes: Atwal, Chan, Cunanan, Escobedo, Iannaccone (alt), Luo, Leyzerovsky (alt), McCullough, Tan (alt), Farin

Noes: None

Action: The April 2024 Financial Report was received and filed. No further action is required.

ACTION CALENDAR

FYs 2014-16 WORK PROGRAM

Agenda Item #5 – Consider Four-Month Term Extension by City of San Fernando, Contract #ML16075 (\$354,000 – Install Class I Bikeway)

Cynthia Ravenstein, MSRC Contracts Administrator, explained that the City of San Fernando is requesting a 4-month extension for their Class One Bikeway project, funded under the MSRC's 2014-16 Local Government Match Program. Discrepancies in documented and actual elevations necessitated a topographic survey and extensive plan revisions. Additionally, heavy rains in February caused delays. The project has already been extended for 5 years and 6 months, and the City is confident that the requested extension will cover potential further delays.

Moved by McCullough, seconded by Cunanan to recommend approval; item unanimously approved.

Ayes: Atwal, Chan, Cunanan, Escobedo, Iannaccone (alt), Luo, Leyzerovsky (alt), McCullough, Tan (alt), Farin

Noes: None

Action: MSRC staff will include this contract modification on the next MSRC agenda for approval.

FYs 2016-18 WORK PROGRAM

Agenda Item #6 – Consider Three-Month Extension by City of San Dimas, Contract #ML18148 (\$50,000 – Implement Bicycle Detection Measures)

Cynthia Ravenstein, MSRC Contracts Administrator, explained that the City of San Dimas was awarded funding for a bike share program. They redirected funds to install bicycle detection measures at three intersections after the pandemic halted the original plan. They completed two intersections but encountered issues with the conduit at the last intersection, requiring a larger conduit. They requested a six-month extension, but a three-month extension is now recommended as a three-month extension was processed administratively to allow time for MSRC review. They have received quotes and committed to completing the project.

Moved by Luo, seconded by McCullough to recommend approval; item unanimously approved.

Ayes: Atwal, Chan, Cunanan, Escobedo, Iannaccone (alt), Luo, Leyzerovsky (alt), McCullough, Tan (alt), Farin

Noes: None

Action: MSRC staff will include this contract modification on the next MSRC agenda for approval.

Agenda Item #7 – Consider Two-Year Term Extension by City of Rancho Cucamonga, Contract #ML18054 (\$91,500 – Procure Six Light-Duty ZEVs and Install EV Charging Infrastructure)

Cynthia Ravenstein, MSRC Contracts Administrator, explained that in April, the MSRC approved modifications to the City of Rancho Cucamonga’s contract, substituting Level III charging stations for Level II stations. However, the Level III stations require a 5-year operational commitment, which was not sufficiently accounted for in the contract’s timeline. To address this, a two-year extension of the contract is recommended, ensuring the operational requirement is met without altering the installation deadline.

Moved by Chan, seconded by McCullough to recommend approval; item unanimously approved.

Ayes: Atwal, Chan, Cunanan, Escobedo, Iannaccone (alt), Luo, Leyzerovsky (alt), McCullough, Tan (alt), Farin

Noes: None

Action: MSRC staff will include this new contract term on the next MSRC agenda for approval.

FYs 2018-21 WORK PROGRAM

MSRC-TAC Member Adriann Cardoso joined during the discussion of item #8 at 1:40 p.m.

MSRC-TAC Member Alternate Yuh Jiun Tan disclosed for item #8 she is required to identify for the record that she is recusing herself from the item because of a financial interest in Tesla which is affected by this item. Alternate Member Tan left the meeting during the discussion of this item.

MSRC-TAC Member Rongsheng Luo disclosed for item #8 he does not have a financial interest, but is required to identify for the record that he is an employee of the Southern California Association Governments which is involved in this item.

Agenda Item #8- Consider Modified Scope and Reallocation of Funding Between Projects by Southern California Association of Governments (SCAG), Contract #MS21005 (\$16,751,000 – Implement Last Mile Freight Program)

Cynthia Ravenstein, MSRC Contracts Administrator, explained that over the past few months, there have been requests regarding a \$16.7 million contract under the MSRC's 2018-21 Work Program for the Last Mile Freight initiative. Currently, 22 projects are in various deployment stages, with \$132,086 disbursed and \$1.4 million reserved for reallocations. SCAG has submitted a reallocation request to increase funding for specific projects, including the New Bern Transportation project, enhancing its scope and matching funding.

MSRC-TAC Member Mark McCullough asked questions related to the apparent slow progress on the project. MSRC staff explained the timing of the project's inception, the process by which project proponents enter into agreements with SCAG, and the need to satisfy operational requirements before reimbursements can be made.

MSRC-TAC Member Adriann Cardoso stated that she is supportive of this project and appreciates the geographic equity.

MSRC-TAC Member Inder Atwal asked whether there was any information to support that Tesla would meet the order production deadlines necessary to fulfill the New Bern project. SCAG Associate Regional Planner Ryan Laws stated that SCAG gets regular updates from their participants regarding their situations with Tesla. There have been delays, however they are optimistic that those delays won't push past the operational deadlines that they have in place. This program was also given an 18-month extension and that should help address any delays that come up.

Mr. Atwal asked if there are any further delays or risk of not being able to reallocate this money later, would that require another extension. Ms. Ravenstein stated that would be up to the MSRC's discretion. If a project is not able to perform within the specified timeline, the MSRC may consider granting a further extension, consider allowing a reallocation or if they would prefer to revert the funds.

Part 1:

Moved by McCullough to recommend to approve for SCAG Contract MS21005, a reallocation of \$1,417,043 in funding to New Bern Transport; Seconded by Cunanan; item unanimously approved.

Ayes: Atwal, Cardoso, Chan, Cunanan, Escobedo, Iannaccone (alt), Luo, Leyzerovsky (alt), McCullough, Farin

Noes: None

Cynthia Ravenstein explained that SCAG's request also involves modifying the Zeem Solutions project. Due to challenges in establishing charging infrastructure in Santa Ana, Zeem is proposing to relocate the infrastructure elements of their project to Long Beach. The proposal includes 42 vehicles (operational interchangeably across three sites) and 42 dual-port fast chargers at the Long Beach location. Zeem's business model has Zeem-owned vehicles and customer-owned vehicles. Zeem estimates that 40% of the vehicles in the project will be Zeem-owned, but they are not committing to any minimum number that they would own. Zeem and SCAG are also requesting that the MSRC approve about 59 different zero emission vehicle models, Class 4 and above, as eligible for reimbursement. There are concerns about the broad definitions and lack of specificity in the program, as well as the extent of discretion that the MSRC intends to give to SCAG in implementing the program. Ms. Ravenstein requested the MSRC-TAC's guidance as to how SCAG should manage the program. One option is for the MSRC to allow SCAG discretion, provided that the program requirements are met. The second option is for the MSRC to reject this request and potentially have SCAG and Zeem come back with a revised request.

MSRC-TAC Member Adriann Cardoso asked about what progress has been achieved with the Inglewood locations. Ray Gorski, MSRC Technical Advisor, answered that the Inglewood locations have rideshare shuttle vehicles and there is a potential to expand. The Long Beach location will only have Class 8 vehicles to support container drayage. They are also partnering with the Port of Long Beach. SCAG Associate Regional Planner Ryan Laws added that the Inglewood sites are up and running. Zeem's business model is varied, and this is indicative of some of the ways in which businesses in this sector are trying to get creative and work with as many people as possible.

Some MSRC-TAC members raised concerns about what they saw as the introduction of an entirely different project when there were other projects submitted that had not been funded. Mr. Laws addressed these concerns, stating that they did have several different applicants that did not receive funding. However as part of the funding process they revisited applicants who did not receive funding to assess if they could still deliver on their proposed projects. SCAG also followed up with the various groups that are currently receiving funding but had initially requested more funding in their initial application. Though this project does deviate from what Zeem initially proposed, they felt as though it falls in line with the spirit of what they are trying to achieve with the program.

Part 2:

Moved by Cardoso to recommend that SCAG adhere to the approved Last Mile Freight Program guidelines in regard to the Zeem project modification; Seconded by Chan; item unanimously approved.

Ayes: Atwal, Cardoso, Chan, Cunanan, Escobedo, Iannaccone (alt), Leyzerovsky (alt), McCullough, Farin

Abstain: Luo

Noes: None

Action: MSRC staff will include this contract modification on the next MSRC agenda for approval.

Agenda Item #9- FYs 24-27 Work Program Development Update

Ray Gorski, MSRC Technical Advisor, gave a presentation on the FY 2025-27 Work Program development. Mr. Gorski said that the MSRC-TAC will not meet next month and this accelerates the schedule. The MSRC has asked MSRC staff and the MSRC-TAC to come back in September with a good framework for the Work Program. It's a three-year Work Program with a total value greater than \$80 million dollars.

Mr. Gorski presented three possible subcommittees: a Partnership Subcommittee to continue the MSRC's work to forge partnerships to leverage the MSRC funding and an Innovative Transportation Demand Management (TDM)/Transportation Control Measures (TCM) Strategies Subcommittee to find innovative transportation demand management and transportation control measures such as law enforcement using zero emission vehicles and expanding micro transit micro mobility. The third subcommittee is the Innovation Subcommittee which will try to investigate and demonstrate emerging zero emission technologies. The goal is to have subcommittees defined by late June. Mr. Gorski noted that if an agency has both a primary and alternate member, both the primary and the alternate members can participate in the Work Program development process, however an agency may not have both their primary and their alternate on one specific subcommittee.

MSRC-TAC Member Adriann Cardoso stated that the subcommittees look good and likes the TDM/TCM strategies because there are rideshare members on the committee. The benefits of setting aside a portion of available funding against potential future opportunities were discussed.

MSRC-TAC Member Rongsheng Luo asked whether was there a rough sense of how much money is available. Mr. Gorski answered that we do not know yet, but the hope is to bring in a lot of money under the Partnership Subcommittee, which will free up money that can go down to the other categories.

MSRC-TAC Vice-Chair Jason Farin stated that Riverside County faces challenges in replacing heavy-duty vehicles with zero-emission alternatives. Riverside County is very interested in demonstration for ZEV technologies.

Ms. Cardoso asked if the MSRC members have given any guidance or comments on what they want to see for the next Work Program. Mr. Gorski answered stating that the MSRC's guidance has been to leverage funding, keep them informed start the process with the \$80 million and to submit something substantive no later than September.

MSRC-TAC Member Brian Cunanan gave his support of the three subcommittee categories, in particular the Innovative TDM/TCM Strategies Subcommittee.

Moved by Luo to recommend to approve for staff to move forward with forming the three suggested subcommittees; Seconded by Cardoso; item unanimously approved.

Ayes: Atwal, Cardoso, Chan, Cunanan, Iannaccone (alt), Luo, Leyzerovsky (alt), McCullough, Tan (alt), Farin

Noes: None

Action: MSRC staff will proceed with recruiting members and convening the three subcommittees

OTHER BUSINESS:

NONE

PUBLIC COMMENTS:

NO PUBLIC COMMENT

ADJOURNMENT

THERE BEING NO FURTHER BUSINESS, THE MSRC-TAC MEETING
ADJOURNED AT 2:42 P.M.

NEXT MEETING: Next meeting: Thursday, August 1, 2024, 1:30 p.m.

(Minutes prepared by Maria M. Allen)

DRAFT

Agenda Item #2

Summary of Final Report by MSRC Contractor



MSRC-TAC Agenda Item No. 2

Date: October 3, 2024
From: Ray Gorski, MSRC Technical Advisor
Subject: Final Report Received and Reviewed

One (1) Final Report was submitted for MSRC-TAC review and approval:

- City of Gardena – CNG Fueling Facility and Maintenance Infrastructure Upgrades Project, Contract #MS18027

A summary of the Final Report is attached. MSRC Staff has reviewed the Final Report and recommends approval.

CITY OF GARDENA – CNG FUELING FACILITY AND MAINTENANCE INFRASTRUCTURE UPGRADES PROJECT

Project Description & Work Performed: To accomplish this project, Gardena Transit (GTrans) was able to leverage MSRC funding with its existing allocations of federal, state and local funds in order to initiate the CNG Fueling Facility and Maintenance Infrastructure Upgrades Project, located at 13999 S. Western Avenue in Gardena, California.

In February 2017, the Gardena City Council adopted GTrans' FY 2017-2023 Fleet Replacement Plan, which called for the purchase of both Compressed Natural Gas (CNG) buses (80 percent) and zero emission buses (20 percent), and the implementation of associated fueling infrastructure. This replacement plan allows GTrans to then transition to a 100 percent, zero-emission fleet in accordance with the adopted California Air Resources Board (CARB) regulations. CARB adopted regulations which set a statewide goal for public transit agencies to gradually transition to 100 percent zero-emission bus fleets by 2040.

Over the past five years, GTrans acquired up to 39, 40-foot, Compressed Natural Gas (CNG) buses to replace existing 40-foot gasoline electric hybrid buses reaching the end of their useful life of 12 years or 500,000 miles, as defined by the Federal Transit Administration (FTA). GTrans planned for capital funding and preliminary designs to build CNG fueling infrastructure and make critical upgrades to its maintenance bays in order to fuel these new buses onsite. To support temporary off-site fueling of these vehicles until a CNG station could be built to facilitate on-site fueling, GTrans awarded a contract to Clean Energy, who has since been providing these services to GTrans.

To initiate the CNG Fueling Facility and Maintenance Infrastructure Upgrades Project, GTrans assembled a team to facilitate preliminary design development (Stantec) and project management activities (NRM & Associates, Inc.) that would allow for the solicitation and eventual award of the project in April 2021. GTrans hired the design/build firm of Clean Energy, along with additional awards to a construction management firm (Psomas) and a labor compliance/DBE monitoring firm (GCAP Services).

The project took longer to complete than originally anticipated. Because the project commenced in the middle of the COVID-19 pandemic, significant impacts occurred for not only GTrans and its employees, but for all of the contracted vendors working on the project. The project also experienced significant supply chain delays; particularly the CNG station's electrical switchgear box which arrived in August 2023 after a 10-month delay. The delayed arrival of project equipment caused delays with permits and subsequent inspections by both the City of Gardena and related utility companies.

GTrans completed maintenance bay upgrades in July 2023. Following final testing and inspection, GTrans issued its Notice of Substantial Completion on 7/26/24, and began operations of its new

CNG fueling station.

The system connects to an approximately 80 psig¹ renewable natural gas supply at GTrans' existing facility, located at 13999 S. Western Avenue in Gardena. Incoming gas is routed through a gas dryer with manual onboard regeneration, before flowing to a CNG compressor skid. The skid includes four compressors, rated at 663 standard cubic feet (SCF) per minute, each using a 250 horsepower (HP) motor to compress the incoming natural gas for use in GTrans CNG buses.

Downstream of the compressor, CNG is routed through a valve panel and then to six, 20-inch diameter, spherical CNG storage vessels, each capable of storing up to 11,600 SCF of natural gas at 4,500 psig. Vehicle fueling uses transit fast-fill dispensers with a dual hose system. The dispensers are housed in two (2) fuel management terminals located on existing dispenser islands. The new fueling facility is capable of refueling approximately 60 gasoline gallon equivalents of CNG fuel per bus with a connected time of 10 minutes and an exchange time of 2.6 minutes, for a total fueling cycle time of 12.6 minutes per bus, or 2.7 hours for the full fleet.

Upon operation of the facility, GTrans awarded a contract to Clean Energy for the provision of renewable natural gas on August 13, 2024, which commenced on September 1, 2024.

¹ PSIG = pounds per square inch as measured with a gauge



Clean Air Projects

GTrans is investing in new facilities and buses to reduce its carbon emissions and help improve the environment for our community.

PROJECTS:

- 1. Purchasing zero and near zero-emission vehicles**
- 2. Building a CNG fueling station to support CNG vehicles using renewable natural gas**
- 3. Building electric charging infrastructure to support zero-emission vehicles**
- 4. Expanding solar panel infrastructure to maximize electricity generation and less reliance on the energy grid**



Agenda Item #3

MSRC Contracts Administrator's Report

MSRC-TAC Agenda Item No. 3

DATE: October 3, 2024

FROM: Cynthia Ravenstein

SUBJECT: AB 2766 Contracts Administrator's Report

SYNOPSIS: This report covers key issues addressed by MSRC staff, status of open contracts, and administrative scope changes from August 29 to September 25, 2024.

RECOMMENDATION: Receive and file report

WORK PROGRAM IMPACT: None

Contract Execution Status

2021-24 Work Program

On September 2, 2022, the SCAQMD Governing Board approved an award under the Major Event Center Transportation Program. This contract is executed.

On February 3, 2023, the SCAQMD Governing Board approved an award under the Transformative Transportation Strategies & Mobility Solutions Program. This contract is executed.

On June 2, 2023, the SCAQMD Governing Board approved six awards under the Microtransit Service RFP, for zero-emission shared mobility service. These contracts are executed.

On September 1, 2023, the SCAQMD Governing Board approved two awards under the Publicly Accessible Goods Movement Zero Emission Infrastructure Request for Information. One of these contracts will be administered by SCAQMD on behalf of the MSRC, and the other award is conditional upon successful selection of a site developer and operator and securing co-funding commitments.

On February 2, 2024, the SCAQMD Governing Board approved allocations for partnership in applications seeking funding under the Carl Moyer Program solicitation. If the applications are awarded funding, to the extent feasible these contracts will be administered by SCAQMD on behalf of the MSRC.

Work Program Status

Contract Status Reports for Work Program years with open and/or pending contracts are attached.

FY 2011-12 Work Program Contracts

One contract is in “Open/Complete” status, having completed all obligations except operations.

FY 2011-12 Invoices Paid

No invoices were paid during this period.

FYs 2012-14 Work Program Contracts

1 contract from this Work Program year is open, and 3 are in “Open/Complete” status. 1 contract closed during this period: County of Los Angeles, Contract #ML14027 – Construct New CNG Station in Canyon Country.

FYs 2012-14 Invoices Paid

No invoices were paid during this period.

FYs 2014-16 Work Program Contracts

5 contracts from this Work Program year are open, and 12 are in “Open/Complete” status. 1 contract closed during this period: City of Torrance, Contract #ML16039 – Install EV Charging Infrastructure.

FYs 2014-16 Invoices Paid

No invoices were paid during this period.

FYs 2016-18 Work Program Contracts

30 contracts from this Work Program year are open, and 60 are in “Open/Complete” status. One contract closed during this period: San Bernardino County Transportation Authority, Contract #MS18065 – Implement Metrolink Line Fare Discount Program.

FYs 2016-18 Invoices Paid

2 invoices totaling \$56,484.50 were paid during this period.

FYs 2018-21 Work Program Contracts

10 contracts from this Work Program year are open, and 5 are in “Open/Complete” status.

FYs 2018-21 Invoices Paid

5 invoices totaling \$145,737.86 were paid during this period.

FYs 2021-24 Work Program Contracts

8 contracts from this Work Program year are open.

FYs 2021-24 Invoices Paid

No invoices were paid during this period.

Administrative Scope Changes

No administrative scope changes were initiated during the period from August 29 to September 25, 2024.

Attachments

- FY 2011-12 through FYs 2021-24 Contract Status Reports
- FY 2012-14 through FYs 2021-24 Progress Report Tracking



FYs 2011-12 Through 2021-24 AB2766 Contract Status Report

9/25/2024

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
<i>FY 2011-2012 Contracts</i>									
<i>Declined/Cancelled Contracts</i>									
ML12016	City of Cathedral City	1/4/2013	10/3/2019		\$60,000.00	\$0.00	CNG Vehicle & Electric Vehicle Infrastructur	\$60,000.00	No
ML12038	City of Long Beach Public Works				\$26,000.00	\$0.00	Electric Vehicle Charging Infrastructure	\$26,000.00	No
ML12040	City of Duarte				\$30,000.00	\$0.00	One Heavy-Duty Nat. Gas Vehicle	\$30,000.00	No
ML12044	County of San Bernardino Public Wo				\$250,000.00	\$0.00	Install New CNG Station	\$250,000.00	No
ML12048	City of La Palma	1/4/2013	11/3/2018		\$20,000.00	\$0.00	Two Medium-Duty LPG Vehicles	\$20,000.00	No
ML12052	City of Whittier	3/14/2013	7/13/2019		\$165,000.00	\$0.00	Expansion of Existing CNG Station	\$165,000.00	No
ML12053	City of Mission Viejo				\$60,000.00	\$0.00	EV Charging Infrastructure	\$60,000.00	No
ML12090	City of Palm Springs	10/9/2015	10/8/2021	9/8/2025	\$21,163.00	\$0.00	EV Charging Infrastructure	\$21,163.00	No
MS12007	WestAir Gases & Equipment				\$100,000.00	\$0.00	Construct New Limited-Access CNG Station	\$100,000.00	No
MS12027	C.V. Ice Company, Inc.	5/17/2013	11/16/2019		\$75,000.00	\$0.00	Purchase 3 Medium-Heavy Duty Vehicles	\$75,000.00	No
MS12030	Complete Landscape Care, Inc.				\$150,000.00	\$0.00	Purchase 6 Medium-Heavy Duty Vehicles	\$150,000.00	No
MS12067	Leatherwood Construction, Inc.	11/8/2013	3/7/2017		\$122,719.00	\$0.00	Retrofit Six Vehicles w/DECS - Showcase III	\$122,719.00	No
MS12070	Valley Music Travel/CID Entertainme				\$99,000.00	\$0.00	Implement Shuttle Service to Coachella Mus	\$99,000.00	No
Total: 13									
<i>Closed Contracts</i>									
ML12013	City of Pasadena	10/19/2012	3/18/2015	9/18/2015	\$200,000.00	\$65,065.00	Electric Vehicle Charging Infrastructure	\$134,935.00	Yes
ML12014	City of Santa Ana - Public Works Ag	11/8/2013	8/7/2020	2/7/2022	\$338,000.00	\$255,977.50	9 H.D. Nat. Gas & LPG Trucks, EV Charging	\$82,022.50	Yes
ML12015	City of Fullerton	4/25/2013	11/24/2020	11/24/2021	\$40,000.00	\$40,000.00	HD CNG Vehicle, Expand CNG Station	\$0.00	Yes
ML12017	City of Los Angeles, Bureau of Sanit	6/26/2013	5/25/2020	11/25/2021	\$950,000.00	\$950,000.00	32 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML12018	City of West Covina	10/18/2013	10/17/2020	8/17/2023	\$300,000.00	\$300,000.00	Expansion of Existing CNG Station	\$0.00	Yes
ML12019	City of Palm Springs	9/6/2013	7/5/2015		\$38,000.00	\$16,837.00	EV Charging Infrastructure	\$21,163.00	Yes
ML12020	City of Los Angeles Dept of General	9/27/2012	3/26/2019	3/26/2020	\$450,000.00	\$450,000.00	15 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML12021	City of Rancho Cucamonga	9/14/2012	1/13/2020		\$40,000.00	\$40,000.00	Four Medium-Duty Nat. Gas Vehicles	\$0.00	Yes
ML12022	City of La Puente	12/6/2013	6/5/2020		\$110,000.00	\$110,000.00	2 Medium-Duty and Three Heavy-Duty CNG	\$0.00	Yes
ML12023	County of Los Angeles Internal Servi	8/1/2013	2/28/2015		\$250,000.00	\$192,333.00	EV Charging Infrastructure	\$57,667.00	Yes
ML12037	Coachella Valley Association of Gov	3/14/2013	3/13/2014		\$250,000.00	\$250,000.00	Street Sweeping Operations	\$0.00	Yes
ML12039	City of Redlands	2/8/2013	10/7/2019		\$90,000.00	\$90,000.00	Three Heavy-Duty Nat. Gas Vehicles	\$0.00	Yes
ML12041	City of Anaheim Public Utilities Depa	4/4/2014	11/3/2015	11/3/2017	\$68,977.00	\$38,742.16	EV Charging Infrastructure	\$30,234.84	Yes
ML12042	City of Chino Hills	1/18/2013	3/17/2017		\$87,500.00	\$87,500.00	Expansion of Existing CNG Station	\$0.00	Yes
ML12043	City of Hemet	6/24/2013	9/23/2019	11/23/2021	\$30,000.00	\$30,000.00	One Heavy-Duty Nat. Gas Vehicles	\$0.00	Yes
ML12046	City of Irvine	8/11/2013	3/10/2021		\$30,000.00	\$30,000.00	One Heavy-Duty Nat. Gas Vehicle	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML12047	City of Orange	2/1/2013	1/31/2019		\$30,000.00	\$30,000.00	One Heavy-Duty Nat. Gas Vehicle	\$0.00	Yes
ML12049	City of Rialto Public Works	7/14/2014	9/13/2015		\$30,432.00	\$3,265.29	EV Charging Infrastructure	\$27,166.71	Yes
ML12050	City of Baldwin Park	4/25/2013	4/24/2014	10/24/2014	\$402,400.00	\$385,363.00	EV Charging Infrastructure	\$17,037.00	Yes
ML12054	City of Palm Desert	9/30/2013	2/28/2015		\$77,385.00	\$77,385.00	EV Charging Infrastructure	\$0.00	Yes
ML12055	City of Manhattan Beach	3/1/2013	12/31/2018		\$10,000.00	\$10,000.00	One Medium-Duty Nat. Gas Vehicle	\$0.00	Yes
ML12056	City of Cathedral City	3/26/2013	5/25/2014		\$25,000.00	\$25,000.00	Regional Street Sweeping Program	\$0.00	Yes
ML12057	City of Coachella	8/28/2013	8/27/2019	1/27/2022	\$57,456.00	\$57,456.00	Purchase One Nat. Gas H.D. Vehicle/Street	\$0.00	Yes
ML12066	City of Manhattan Beach	1/7/2014	4/6/2015		\$5,900.00	\$5,900.00	Electric Vehicle Charging Infrastructure	\$0.00	Yes
ML12091	City of Bellflower	10/5/2018	10/4/2019	6/30/2022	\$100,000.00	\$49,230.44	EV Charging Infrastructure	\$50,769.56	Yes
MS12001	Los Angeles County MTA	7/1/2012	4/30/2013		\$300,000.00	\$211,170.00	Clean Fuel Transit Service to Dodger Stadium	\$88,830.00	Yes
MS12002	Orange County Transportation Authority	9/7/2012	4/30/2013		\$342,340.00	\$333,185.13	Express Bus Service to Orange County Fair	\$9,154.87	Yes
MS12003	Orange County Transportation Authority	7/20/2012	2/28/2013		\$234,669.00	\$167,665.12	Implement Metrolink Service to Angel Stadium	\$67,003.88	Yes
MS12004	USA Waste of California, Inc.	10/24/2013	11/23/2019		\$175,000.00	\$175,000.00	Construct New Limited-Access CNG Station	\$0.00	Yes
MS12005	USA Waste of California, Inc.	10/19/2012	8/18/2013		\$75,000.00	\$75,000.00	Vehicle Maintenance Facility Modifications	\$0.00	Yes
MS12006	Waste Management Collection & Re	10/19/2012	8/18/2013		\$75,000.00	\$75,000.00	Vehicle Maintenance Facility Modifications	\$0.00	Yes
MS12008	Bonita Unified School District	7/12/2013	12/11/2019	4/11/2021	\$175,000.00	\$175,000.00	Construct New Limited-Access CNG Station	\$0.00	Yes
MS12009	Sysco Food Services of Los Angeles	1/7/2014	4/6/2020		\$150,000.00	\$150,000.00	Construct New Public-Access LNG Station	\$0.00	Yes
MS12010	Murrieta Valley Unified School District	4/5/2013	9/4/2019		\$242,786.00	\$242,786.00	Construct New Limited-Access CNG Station	\$0.00	Yes
MS12011	Southern California Gas Company	6/14/2013	6/13/2019	5/28/2021	\$150,000.00	\$150,000.00	Construct New Public-Access CNG Station -	\$0.00	Yes
MS12012	Rim of the World Unified School District	12/20/2012	5/19/2014		\$75,000.00	\$75,000.00	Vehicle Maintenance Facility Modifications	\$0.00	Yes
MS12024	Southern California Gas Company	6/13/2013	12/12/2019	11/12/2020	\$150,000.00	\$150,000.00	Construct New Public-Access CNG Station -	\$0.00	Yes
MS12025	Silverado Stages, Inc.	11/2/2012	7/1/2018		\$150,000.00	\$150,000.00	Purchase Six Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12026	U-Haul Company of California	3/14/2013	3/13/2019		\$500,000.00	\$353,048.26	Purchase 23 Medium-Heavy Duty Vehicles	\$146,951.74	Yes
MS12028	Dy-Dee Service of Pasadena, Inc.	12/22/2012	1/21/2019		\$45,000.00	\$40,000.00	Purchase 2 Medium-Duty and 1 Medium-He	\$5,000.00	Yes
MS12029	Community Action Partnership of Or	11/2/2012	11/1/2018		\$25,000.00	\$14,850.00	Purchase 1 Medium-Heavy Duty Vehicle	\$10,150.00	Yes
MS12031	Final Assembly, Inc.	11/2/2012	11/1/2018		\$50,000.00	\$32,446.00	Purchase 2 Medium-Heavy Duty Vehicles	\$17,554.00	Yes
MS12032	Fox Transportation	12/14/2012	12/13/2018		\$500,000.00	\$500,000.00	Purchase 20 Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12033	Mike Diamond/Phace Management	12/22/2012	12/21/2018	6/21/2021	\$148,900.00	\$148,900.00	Purchase 20 Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12034	Ware Disposal Company, Inc.	11/2/2012	11/1/2018	5/1/2022	\$133,070.00	\$133,070.00	Purchase 8 Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12035	Disneyland Resort	1/4/2013	7/3/2019		\$25,000.00	\$18,900.00	Purchase 1 Medium-Heavy Duty Vehicle	\$6,100.00	Yes
MS12036	Jim & Doug Carter's Automotive/VS	1/4/2013	11/3/2018		\$50,000.00	\$50,000.00	Purchase 2 Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12058	Krisda Inc	4/24/2013	1/23/2019		\$25,000.00	\$25,000.00	Repower One Heavy-Duty Off-Road Vehicle	\$0.00	Yes
MS12059	Orange County Transportation Authority	2/28/2013	12/27/2014		\$75,000.00	\$75,000.00	Maintenance Facilities Modifications	\$0.00	Yes
MS12060	City of Santa Monica	4/4/2014	8/3/2017	8/3/2019	\$500,000.00	\$434,202.57	Implement Westside Bikeshare Program	\$65,797.43	Yes
MS12061	Orange County Transportation Authority	3/14/2014	3/13/2017		\$224,000.00	\$114,240.00	Transit-Oriented Bicycle Sharing Program	\$109,760.00	Yes
MS12062	Fraser Communications	12/7/2012	5/31/2014		\$998,669.00	\$989,218.49	Develop & Implement "Rideshare Thursday"	\$9,450.51	Yes
MS12063	Custom Alloy Light Metals, Inc.	8/16/2013	2/15/2020		\$100,000.00	\$100,000.00	Install New Limited Access CNG Station	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS12064	Anaheim Transportation Network	3/26/2013	12/31/2014		\$127,296.00	\$56,443.92	Implement Anaheim Circulator Service	\$70,852.08	Yes
MS12065	Orange County Transportation Autho	7/27/2013	11/30/2013		\$43,933.00	\$14,832.93	Ducks Express Service to Honda Center	\$29,100.07	Yes
MS12068	Southern California Regional Rail Au	3/1/2013	9/30/2013		\$57,363.00	\$47,587.10	Implement Metrolink Service to Autoclub Sp	\$9,775.90	Yes
MS12069	City of Irvine	8/11/2013	2/28/2014		\$45,000.00	\$26,649.41	Implement Special Transit Service to Solar	\$18,350.59	Yes
MS12071	Transit Systems Unlimited, Inc.	5/17/2013	12/16/2018		\$21,250.00	\$21,250.00	Expansion of Existing CNG Station	\$0.00	Yes
MS12072	99 Cents Only Stores	4/5/2013	9/4/2019		\$100,000.00	\$100,000.00	Construct New CNG Station	\$0.00	Yes
MS12073	FirstCNG, LLC	7/27/2013	12/26/2019		\$150,000.00	\$150,000.00	Construct New CNG Station	\$0.00	Yes
MS12074	Arcadia Unified School District	7/5/2013	9/4/2019		\$175,000.00	\$175,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS12075	CR&R Incorporated	7/27/2013	1/26/2021	1/26/2022	\$100,000.00	\$100,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS12076	City of Ontario, Housing & Municipal	3/8/2013	4/7/2015		\$75,000.00	\$75,000.00	Maintenance Facilities Modification	\$0.00	Yes
MS12078	Penske Truck Leasing Co., L.P.	1/7/2014	1/6/2016		\$75,000.00	\$73,107.00	Maintenance Facility Modifications - Vernon	\$1,893.00	Yes
MS12080	City of Pasadena	11/8/2013	8/7/2020	2/7/2022	\$225,000.00	\$225,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS12081	Penske Truck Leasing Co., L.P.	1/7/2014	1/6/2016		\$75,000.00	\$75,000.00	Maintenance Facility Modifications - Santa A	\$0.00	Yes
MS12082	City of Los Angeles, Bureau of Sanit	11/20/2013	2/19/2021	2/19/2023	\$175,000.00	\$175,000.00	Install New CNG Infrastructure	\$0.00	Yes
MS12083	Brea Olinda Unified School District	7/30/2015	2/29/2024		\$59,454.00	\$59,454.00	Install New CNG Infrastructure	\$0.00	Yes
MS12085	Bear Valley Unified School District	4/25/2013	6/24/2014		\$75,000.00	\$75,000.00	Maintenance Facility Modifications	\$0.00	Yes
MS12086	SuperShuttle International, Inc.	3/26/2013	3/25/2019		\$225,000.00	\$225,000.00	Purchase 23 Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12087	Los Angeles County MTA	8/29/2013	11/28/2015		\$125,000.00	\$125,000.00	Implement Rideshare Incentives Program	\$0.00	Yes
MS12088	Orange County Transportation Autho	12/6/2013	3/5/2016		\$125,000.00	\$18,496.50	Implement Rideshare Incentives Program	\$106,503.50	Yes
MS12089	Riverside County Transportation Co	10/18/2013	9/17/2015		\$249,136.00	\$105,747.48	Implement Rideshare Incentives Program	\$143,388.52	Yes
MS12Hom	Mansfield Gas Equipment Systems				\$296,000.00	\$0.00	Home Refueling Apparatus Incentive Progra	\$296,000.00	Yes

Total: 74

Closed/Incomplete Contracts

ML12051	City of Bellflower	2/7/2014	2/6/2016	5/6/2018	\$100,000.00	\$0.00	EV Charging Infrastructure	\$100,000.00	No
MS12077	City of Coachella	6/14/2013	6/13/2020		\$225,000.00	\$0.00	Construct New CNG Station	\$225,000.00	No
MS12079	Penske Truck Leasing Co., L.P.	1/7/2014	1/6/2016		\$75,000.00	\$0.00	Maintenance Facility Modifications - Boyle H	\$75,000.00	No
MS12084	Airport Mobil Inc.	12/6/2013	5/5/2020		\$150,000.00	\$0.00	Install New CNG Infrastructure	\$150,000.00	No

Total: 4

Open/Complete Contracts

ML12045	City of Baldwin Park DPW	2/14/2014	12/13/2020	12/13/2026	\$400,000.00	\$400,000.00	Install New CNG Station	\$0.00	Yes
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Total: 1

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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FY 2012-2014 Contracts

Open Contracts

MS14057	Los Angeles County MTA	11/7/2014	10/6/2019	10/31/2026	\$1,250,000.00	\$0.00	Implement Various Signal Synchronization P	\$1,250,000.00	No
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Total: 1

Declined/Cancelled Contracts

ML14063	City of Hawthorne				\$32,000.00	\$0.00	Expansion of Existng CNG Infrastructure	\$32,000.00	No
ML14068	City of South Pasadena	9/12/2014	10/11/2015	1/11/2020	\$10,183.00	\$0.00	Electric Vehicle Charging Infrastructure	\$10,183.00	No
ML14069	City of Beaumont	3/3/2017	3/2/2025		\$200,000.00	\$0.00	Construct New CNG Infrastructure	\$200,000.00	No
MS14035	Penske Truck Leasing Co., L.P.				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - Sun Valle	\$75,000.00	No
MS14036	Penske Truck Leasing Co., L.P.				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - La Mirad	\$75,000.00	No
MS14038	Penske Truck Leasing Co., L.P.				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - Fontana	\$75,000.00	No
MS14043	City of Anaheim				\$175,000.00	\$0.00	Expansion of Existing CNG Station	\$175,000.00	No
MS14078	American Honda Motor Co., Inc.	9/4/2015	8/3/2022		\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No
MS14085	Prologis, L.P.				\$100,000.00	\$0.00	New Limited Access CNG Station	\$100,000.00	No
MS14086	San Gabriel Valley Towing I				\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No
MS14091	Serv-Wel Disposal				\$100,000.00	\$0.00	New Limited-Access CNG Infrastructure	\$100,000.00	No

Total: 11

Closed Contracts

ML14010	City of Cathedral City	8/13/2014	10/12/2015		\$25,000.00	\$25,000.00	Street Sweeping Operations	\$0.00	Yes
ML14011	City of Palm Springs	6/13/2014	1/12/2016		\$79,000.00	\$78,627.00	Bicycle Racks, Bicycle Outreach & Educatio	\$373.00	Yes
ML14012	City of Santa Ana - Public Works Ag	2/13/2015	10/12/2021	10/12/2022	\$41,220.00	\$41,220.00	EV Charging and 1 H.D. CNG Vehicle	\$0.00	Yes
ML14014	City of Torrance	9/5/2014	12/4/2019		\$56,000.00	\$56,000.00	EV Charging Infrastructure	\$0.00	Yes
ML14015	Coachella Valley Association of Gov	6/6/2014	9/5/2015		\$250,000.00	\$250,000.00	Street Sweeping Operations	\$0.00	Yes
ML14016	City of Anaheim	4/3/2015	9/2/2021		\$380,000.00	\$380,000.00	Purchase 2 H.D. Vehicles, Expansion of Exi	\$0.00	Yes
ML14019	City of Corona Public Works	12/5/2014	6/4/2020	3/6/2023	\$111,518.00	\$111,517.18	EV Charging, Bicycle Racks, Bicycle Locker	\$0.82	Yes
ML14022	County of Los Angeles Department o	10/2/2015	5/1/2022		\$270,000.00	\$270,000.00	Purchase 9 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML14023	County of Los Angeles Department o	10/2/2015	9/1/2017	3/1/2021	\$230,000.00	\$230,000.00	Maintenance Fac. Modifications-Westcheste	\$0.00	Yes
ML14024	County of Los Angeles Department o	10/2/2015	9/1/2017	9/1/2021	\$230,000.00	\$230,000.00	Maintenance Fac. Modifications-Baldwin Par	\$0.00	Yes
ML14025	County of Los Angeles Dept of Publi	10/2/2015	7/1/2018	7/1/2024	\$300,000.00	\$300,000.00	Construct New CNG Station in Malibu	\$0.00	Yes
ML14026	County of Los Angeles Dept of Publi	10/2/2015	5/1/2023	5/1/2024	\$300,000.00	\$300,000.00	Construct New CNG Station in Castaic	\$0.00	Yes
ML14028	City of Fullerton	9/5/2014	1/4/2022		\$126,950.00	\$126,950.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
ML14029	City of Irvine	7/11/2014	6/10/2017		\$90,500.00	\$71,056.78	Bicycle Trail Improvements	\$19,443.22	Yes
ML14030	County of Los Angeles Internal Servi	1/9/2015	3/8/2018	7/30/2021	\$425,000.00	\$216,898.02	Bicycle Racks, Outreach & Education	\$208,101.98	Yes
ML14031	Riverside County Waste Manageme	6/13/2014	12/12/2020		\$90,000.00	\$90,000.00	Purchase 3 H.D. CNG Vehicles	\$0.00	Yes
ML14032	City of Rancho Cucamonga	1/9/2015	1/8/2022		\$113,990.00	\$104,350.63	Expansion of Existing CNG Infras., Bicycle L	\$9,639.37	Yes
ML14033	City of Irvine	7/11/2014	2/10/2021	2/10/2022	\$60,000.00	\$60,000.00	Purchase 2 H.D. CNG Vehicles	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML14034	City of Lake Elsinore	9/5/2014	5/4/2021		\$56,700.00	\$56,700.00	EV Charging Stations	\$0.00	Yes
ML14049	City of Moreno Valley	7/11/2014	3/10/2021		\$105,000.00	\$101,976.09	One HD Nat Gas Vehicle, EV Charging, Bicy	\$3,023.91	Yes
ML14051	City of Brea	9/5/2014	1/4/2017	7/4/2018	\$450,000.00	\$450,000.00	Installation of Bicycle Trail	\$0.00	Yes
ML14054	City of Torrance	11/14/2014	4/13/2017	7/13/2017	\$350,000.00	\$319,908.80	Upgrade Maintenance Facility	\$30,091.20	Yes
ML14055	City of Highland	10/10/2014	3/9/2018	3/9/2019	\$500,000.00	\$489,385.24	Bicycle Lanes and Outreach	\$10,614.76	Yes
ML14056	City of Redlands	9/5/2014	5/4/2016	5/4/2018	\$125,000.00	\$125,000.00	Bicycle Lanes	\$0.00	Yes
ML14061	City of La Habra	3/11/2016	3/10/2022		\$41,600.00	\$41,270.49	Purchase Two Heavy-Duty Nat. Gas Vehicle	\$329.51	Yes
ML14062	City of San Fernando	3/27/2015	5/26/2021	10/31/2023	\$325,679.00	\$325,679.00	Expand Existing CNG Fueling Station	\$0.00	Yes
ML14064	City of Claremont	7/11/2014	7/10/2020	1/10/2021	\$60,000.00	\$60,000.00	Purchase Two Heavy-Duty Nat. Gas Vehicle	\$0.00	Yes
ML14065	City of Orange	9/5/2014	8/4/2015		\$10,000.00	\$10,000.00	Electric Vehicle Charging Infrastructure	\$0.00	Yes
ML14067	City of Duarte	12/4/2015	1/3/2023	6/3/2024	\$60,000.00	\$60,000.00	Purchase Two Electric Buses	\$0.00	Yes
ML14070	City of Rancho Cucamonga	9/3/2016	12/2/2018		\$365,245.00	\$326,922.25	Bicycle Trail Improvements	\$38,322.75	Yes
ML14071	City of Manhattan Beach	1/9/2015	11/8/2018		\$22,485.00	\$22,485.00	Electric Vehicle Charging Infrastructure	\$0.00	Yes
ML14072	City of Cathedral City	8/13/2014	1/12/2021	7/12/2022	\$41,000.00	\$41,000.00	Install Bicycle Racks & Implement Bicycle E	\$0.00	Yes
ML14094	City of Yucaipa	6/9/2017	6/8/2018		\$84,795.00	\$84,795.00	Installation of Bicycle Lanes	\$0.00	Yes
ML14095	City of South Pasadena	1/10/2019	7/9/2019		\$142,096.00	\$134,182.09	Bicycle Trail Improvements	\$7,913.91	Yes
ML14096	County of Los Angeles Dept of Pub	5/3/2019	12/2/2019	3/2/2020	\$74,186.00	\$74,186.00	San Gabriel BikeTrail Underpass Improve	\$0.00	Yes
ML14097	County of Los Angeles Internal Servi	9/6/2019	9/5/2020	9/5/2021	\$104,400.00	\$104,400.00	Electric Vehicle Charging Infrastructure	\$0.00	Yes
MS14001	Los Angeles County MTA	3/6/2015	4/30/2015		\$1,216,637.00	\$1,199,512.68	Clean Fuel Transit Service to Dodger Stadiu	\$17,124.32	Yes
MS14002	Orange County Transportation Autho	9/6/2013	4/30/2014		\$576,833.00	\$576,833.00	Clean Fuel Transit Service to Orange Count	\$0.00	Yes
MS14003	Orange County Transportation Autho	8/1/2013	4/30/2014	10/30/2014	\$194,235.00	\$184,523.00	Implement Metrolink Service to Angel Stadiu	\$9,712.00	Yes
MS14004	Orange County Transportation Autho	9/24/2013	4/30/2014		\$36,800.00	\$35,485.23	Implement Express Bus Service to Solar De	\$1,314.77	Yes
MS14005	Transit Systems Unlimited, Inc.	4/11/2014	2/28/2016		\$515,200.00	\$511,520.00	Provide Expanded Shuttle Service to Hollyw	\$3,680.00	Yes
MS14007	Orange County Transportation Autho	6/6/2014	4/30/2015		\$208,520.00	\$189,622.94	Implement Special Metrolink Service to Ang	\$18,897.06	Yes
MS14008	Orange County Transportation Autho	8/13/2014	5/31/2015		\$601,187.00	\$601,187.00	Implement Clean Fuel Bus Service to Orang	\$0.00	Yes
MS14009	A-Z Bus Sales, Inc.	1/17/2014	12/31/2014	3/31/2015	\$388,000.00	\$388,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes
MS14037	Penske Truck Leasing Co., L.P.	4/7/2017	6/6/2020		\$75,000.00	\$75,000.00	Vehicle Maint. Fac. Modifications - Carson	\$0.00	Yes
MS14039	Waste Management Collection and	7/10/2015	4/9/2016		\$75,000.00	\$75,000.00	Vehicle Maint. Fac. Modifications - Irvine	\$0.00	Yes
MS14040	Waste Management Collection and	7/10/2015	4/9/2016		\$75,000.00	\$75,000.00	Vehicle Maint. Fac. Modifications - Santa An	\$0.00	Yes
MS14041	USA Waste of California, Inc.	9/4/2015	10/3/2021		\$175,000.00	\$175,000.00	Limited-Access CNG Station, Vehicle Maint.	\$0.00	Yes
MS14042	Grand Central Recycling & Transfer	6/6/2014	9/5/2021		\$150,000.00	\$150,000.00	Expansion of Existing CNG Station	\$0.00	Yes
MS14044	TIMCO CNG Fund I, LLC	5/2/2014	11/1/2020		\$150,000.00	\$150,000.00	New Public-Access CNG Station in Santa A	\$0.00	Yes
MS14045	TIMCO CNG Fund I, LLC	6/6/2014	12/5/2020		\$150,000.00	\$150,000.00	New Public-Access CNG Station in Inglewoo	\$0.00	Yes
MS14046	Ontario CNG Station Inc.	5/15/2014	5/14/2020	11/14/2021	\$150,000.00	\$150,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS14047	Southern California Regional Rail Au	3/7/2014	9/30/2014		\$49,203.00	\$32,067.04	Special Metrolink Service to Autoclub Speed	\$17,135.96	Yes
MS14048	BusWest	3/14/2014	12/31/2014	5/31/2015	\$940,850.00	\$847,850.00	Alternative Fuel School Bus Incentive Progra	\$93,000.00	Yes
MS14052	Arcadia Unified School District	6/13/2014	10/12/2020		\$78,000.00	\$78,000.00	Expansion of an Existing CNG Fueling Statio	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS14053	Upland Unified School District	1/9/2015	7/8/2021		\$175,000.00	\$175,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS14058	Orange County Transportation Autho	11/7/2014	4/6/2016	4/6/2017	\$1,250,000.00	\$1,250,000.00	Implement Various Signal Synchronization P	\$0.00	Yes
MS14059	Riverside County Transportation Co	9/5/2014	3/4/2018	7/4/2023	\$1,250,000.00	\$1,209,969.08	Implement Various Signal Synchronization P	\$40,030.92	No
MS14072	San Bernardino County Transportatio	3/27/2015	3/26/2018	3/26/2024	\$1,237,500.00	\$1,148,376.17	Implement Various Signal Synchronization P	\$89,123.83	Yes
MS14073	Anaheim Transportation Network	1/9/2015	4/30/2017		\$221,312.00	\$221,312.00	Anaheim Resort Circulator Service	\$0.00	Yes
MS14074	Midway City Sanitary District	1/9/2015	3/8/2021		\$250,000.00	\$250,000.00	Limited-Access CNG Station & Facility Modif	\$0.00	Yes
MS14075	Fullerton Joint Union High School Di	7/22/2016	11/21/2023		\$293,442.00	\$293,442.00	Expansion of Existing CNG Infrastructure/Ma	\$0.00	Yes
MS14076	Rialto Unified School District	6/17/2015	2/16/2022	6/25/2023	\$225,000.00	\$225,000.00	New Public Access CNG Station	\$0.00	Yes
MS14077	County Sanitation Districts of L.A. Co	3/6/2015	5/5/2021		\$175,000.00	\$175,000.00	New Limited Access CNG Station	\$0.00	Yes
MS14080	CR&R Incorporated	6/1/2015	8/31/2021	8/31/2022	\$200,000.00	\$200,000.00	Expansion of Existing CNG Infrastructure/Ma	\$0.00	Yes
MS14081	CR&R Incorporated	6/1/2015	5/30/2021		\$175,000.00	\$100,000.00	Expansion of Existing CNG Infrastructure/Ma	\$75,000.00	Yes
MS14082	Grand Central Recycling & Transfer	12/4/2015	3/3/2023	3/3/2024	\$150,000.00	\$150,000.00	Construct New Public Access CNG Station	\$0.00	Yes
MS14083	Hacienda La Puente Unified School	7/10/2015	3/9/2022	6/9/2023	\$175,000.00	\$175,000.00	New Limited Access CNG Station	\$0.00	Yes
MS14084	US Air Conditioning Distributors	5/7/2015	9/6/2021		\$100,000.00	\$100,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS14087	Orange County Transportation Autho	8/14/2015	4/30/2016		\$239,645.00	\$195,377.88	Implement Special Metrolink Service to Ang	\$44,267.12	Yes
MS14088	Southern California Regional Rail Au	5/7/2015	9/30/2015		\$79,660.00	\$66,351.44	Special Metrolink Service to Autoclub Speed	\$13,308.56	Yes
MS14089	Top Shelf Consulting, LLC	1/18/2017	8/4/2016	3/31/2017	\$200,000.00	\$200,000.00	Enhanced Fleet Modernization Program	\$0.00	Yes
MS14090	City of Monterey Park	5/7/2015	5/6/2021		\$225,000.00	\$225,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes

Total: 73

Closed/Incomplete Contracts

ML14020	County of Los Angeles Dept of Pub	8/13/2014	1/12/2018		\$150,000.00	\$0.00	San Gabriel BikeTrail Underpass Improveme	\$150,000.00	No
ML14021	Riverside County Regional Park and	7/24/2014	12/23/2016	9/30/2024	\$250,000.00	\$0.00	Bicycle Trail Improvements	\$250,000.00	No
ML14027	County of Los Angeles Dept of Publi	10/2/2015	5/1/2023	8/1/2028	\$492,000.00	\$0.00	Construct New CNG Station in Canyon Coun	\$492,000.00	No
ML14050	City of Yucaipa	7/11/2014	9/10/2015	7/1/2016	\$84,795.00	\$0.00	Installation of Bicycle Lanes	\$84,795.00	No
ML14060	County of Los Angeles Internal Servi	10/6/2017	1/5/2019		\$104,400.00	\$0.00	Electric Vehicle Charging Infrastructure	\$104,400.00	No
ML14066	City of South Pasadena	9/12/2014	7/11/2016	2/11/2018	\$142,096.00	\$0.00	Bicycle Trail Improvements	\$142,096.00	No
ML14093	County of Los Angeles Dept of Pub	8/14/2015	1/13/2019		\$150,000.00	\$0.00	San Gabriel BikeTrail Underpass Improveme	\$150,000.00	No
MS14092	West Covina Unified School District	9/3/2016	12/2/2022		\$124,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$124,000.00	No

Total: 8

Open/Complete Contracts

ML14013	City of Los Angeles, Bureau of Sanit	10/7/2016	2/6/2025		\$400,000.00	\$400,000.00	Purchase 14 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML14018	City of Los Angeles Dept of General	3/6/2015	9/5/2021	2/5/2026	\$810,000.00	\$810,000.00	Purchase 27 H.D. Nat. Gas Vehicles	\$0.00	Yes
MS14079	Waste Resources, Inc.	9/14/2016	8/13/2022	10/13/2024	\$100,000.00	\$100,000.00	New Limited Access CNG Station	\$0.00	Yes

Total: 3

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
FY 2014-2016 Contracts									
Open Contracts									
ML16025	City of South Pasadena	6/22/2016	4/21/2023	2/21/2025	\$130,000.00	\$0.00	Expand Existing CNG Infrastructure	\$130,000.00	No
ML16047	City of Fontana	1/6/2017	8/5/2019	8/5/2025	\$500,000.00	\$0.00	Enhance an Existing Class 1 Bikeway	\$500,000.00	No
ML16075	City of San Fernando	10/27/2016	2/26/2019	12/26/2024	\$354,000.00	\$0.00	Install a Class 1 Bikeway	\$354,000.00	No
ML16077	City of Rialto	5/3/2018	10/2/2021	2/2/2026	\$463,216.00	\$218,708.00	Pedestrian Access Improvements, Bicycle L	\$244,508.00	No
MS16121	Long Beach Transit	11/3/2017	4/2/2024	11/30/2028	\$600,000.00	\$600,000.00	Repower 39 and Purchase 1 New Transit Bu	\$0.00	No
Total: 5									
Pending Execution Contracts									
ML16127	City of Yucaipa				\$174,420.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$174,420.00	No
Total: 1									
Declined/Cancelled Contracts									
ML16014	City of Dana Point				\$153,818.00	\$0.00	Extend an Existing Class 1 Bikeway	\$153,818.00	No
ML16065	City of Temple City				\$500,000.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$500,000.00	No
ML16067	City of South El Monte				\$73,329.00	\$0.00	Implement an "Open Streets" Event	\$73,329.00	No
ML16074	City of La Verne	7/22/2016	1/21/2023		\$365,000.00	\$0.00	Install CNG Fueling Station	\$365,000.00	No
MS16043	LBA Realty Company LLC				\$100,000.00	\$0.00	Install Limited-Access CNG Station	\$100,000.00	No
MS16080	Riverside County Transportation Co				\$1,200,000.00	\$0.00	Passenger Rail Service for Coachella and St	\$1,200,000.00	No
MS16098	Long Beach Transit				\$198,957.00	\$0.00	Provide Special Bus Service to Stub Hub Ce	\$198,957.00	No
MS16104	City of Perris				\$175,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$175,000.00	No
MS16106	City of Lawndale	3/1/2019	11/30/2025		\$175,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$175,000.00	No
MS16107	Athens Services				\$100,000.00	\$0.00	Construct a Limited-Access CNG Station	\$100,000.00	No
MS16108	VNG 5703 Gage Avenue, LLC				\$150,000.00	\$0.00	Construct Public-Access CNG Station in Bell	\$150,000.00	No
MS16109	Sanitation Districts of Los Angeles C				\$275,000.00	\$0.00	Expansion of an Existing L/CNG Station	\$275,000.00	No
MS16111	VNG 925 Lakeview Avenue, LLC				\$150,000.00	\$0.00	Construct Public Access CNG Station in Pla	\$150,000.00	No
Total: 13									
Closed Contracts									
ML16006	City of Cathedral City	4/27/2016	4/26/2022	4/26/2023	\$25,000.00	\$25,000.00	Bicycle Outreach	\$0.00	Yes
ML16007	City of Culver City Transportation De	10/6/2015	4/5/2023		\$246,000.00	\$246,000.00	Purchase 7 H.D. Nat. Gas Vehicles, EV Cha	\$0.00	Yes
ML16009	City of Fountain Valley	10/6/2015	2/5/2018	5/5/2019	\$46,100.00	\$46,100.00	Install EV Charging Infrastructure	\$0.00	Yes
ML16011	City of Claremont	10/6/2015	6/5/2022		\$90,000.00	\$90,000.00	Purchase 3 Heavy-Duty Nat. Gas Vehicles	\$0.00	Yes
ML16012	City of Carson	1/15/2016	10/14/2022		\$60,000.00	\$60,000.00	Purchase 2 Heavy-Duty Nat. Gas Vehicles	\$0.00	Yes
ML16015	City of Yorba Linda	3/4/2016	11/3/2017		\$85,000.00	\$85,000.00	Install Bicycle Lanes	\$0.00	Yes
ML16016	City of Los Angeles Dept of General	2/5/2016	12/4/2022		\$630,000.00	\$630,000.00	Purchase 21 Heavy-Duty Nat. Gas Vehicles	\$0.00	Yes
ML16018	City of Hermosa Beach	10/7/2016	1/6/2023		\$29,520.00	\$23,768.44	Purchase 2 M.D. Nat. Gas Vehicles, Bicycle	\$5,751.56	Yes
ML16019	City of Los Angeles, Dept of General	1/25/2017	3/24/2023		\$102,955.00	\$102,955.00	Install EV Charging Infrastructure	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML16020	City of Pomona	4/1/2016	2/1/2018	8/1/2018	\$440,000.00	\$440,000.00	Install Road Surface Bicycle Detection System	\$0.00	Yes
ML16023	City of Banning	12/11/2015	12/10/2021		\$30,000.00	\$30,000.00	Purchase 1 H.D. Nat. Gas Vehicle	\$0.00	Yes
ML16024	City of Azusa	4/27/2016	2/26/2022		\$30,000.00	\$30,000.00	Purchase 1 H.D. Nat. Gas Vehicle	\$0.00	Yes
ML16026	City of Downey	5/6/2016	9/5/2017		\$40,000.00	\$40,000.00	Install EV Charging Infrastructure	\$0.00	Yes
ML16027	City of Whittier	1/8/2016	11/7/2022		\$30,000.00	\$30,000.00	Purchase 1 H.D. Nat. Gas Vehicle	\$0.00	Yes
ML16028	City of Azusa	9/9/2016	4/8/2018		\$25,000.00	\$25,000.00	Enhance Existing Class 1 Bikeway	\$0.00	Yes
ML16031	City of Cathedral City	12/19/2015	2/18/2017		\$25,000.00	\$25,000.00	Street Sweeping in Coachella Valley	\$0.00	Yes
ML16032	City of Azusa	9/9/2016	4/8/2019	4/8/2021	\$474,925.00	\$474,925.00	Implement a "Complete Streets" Pedestrian	\$0.00	Yes
ML16033	Coachella Valley Association of Gov	4/27/2016	4/26/2018		\$250,000.00	\$250,000.00	Street Sweeping Operations in Coachella Va	\$0.00	Yes
ML16034	City of Riverside	3/11/2016	10/10/2018	7/10/2020	\$500,000.00	\$500,000.00	Implement a "Complete Streets" Pedestrian	\$0.00	Yes
ML16036	City of Brea	3/4/2016	12/3/2018		\$500,000.00	\$500,000.00	Install a Class 1 Bikeway	\$0.00	Yes
ML16037	City of Rancho Cucamonga	2/5/2016	11/4/2022		\$30,000.00	\$30,000.00	Purchase One Heavy-Duty Natural Gas Vehi	\$0.00	Yes
ML16038	City of Palm Springs	4/1/2016	7/31/2022	9/30/2022	\$170,000.00	\$60,000.00	Install Bicycle Lanes & Purchase 2 Heavy-D	\$110,000.00	Yes
ML16041	City of Moreno Valley	9/3/2016	1/2/2021	4/2/2024	\$20,000.00	\$20,000.00	Install EV Charging Infrastructure	\$0.00	Yes
ML16042	City of San Dimas	4/1/2016	12/31/2019	12/31/2021	\$55,000.00	\$55,000.00	Install EV Charging Infrastructure	\$0.00	No
ML16045	City of Anaheim	6/22/2016	8/21/2019		\$275,000.00	\$255,595.08	Maintenance Facility Modifications	\$19,404.92	Yes
ML16046	City of El Monte	4/1/2016	5/31/2021	5/31/2023	\$20,160.00	\$14,637.50	Install EV Charging Infrastructure	\$5,522.50	Yes
ML16049	City of Buena Park	4/1/2016	11/30/2018		\$429,262.00	\$429,262.00	Installation of a Class 1 Bikeway	\$0.00	Yes
ML16050	City of Westminster	5/6/2016	7/5/2020	5/5/2022	\$115,000.00	\$93,925.19	Installation of EV Charging Infrastructure	\$21,074.81	Yes
ML16051	City of South Pasadena	2/12/2016	1/11/2017	12/11/2017	\$320,000.00	\$258,691.25	Implement "Open Streets" Event with Variou	\$61,308.75	Yes
ML16052	City of Rancho Cucamonga	9/3/2016	11/2/2019	3/31/2021	\$315,576.00	\$305,576.00	Install Two Class 1 Bikeways	\$10,000.00	Yes
ML16053	City of Claremont	3/11/2016	7/10/2018	12/10/2020	\$498,750.00	\$498,750.00	Implement a "Complete Streets" Pedestrian	\$0.00	Yes
ML16054	City of Yucaipa	3/26/2016	7/26/2018	10/25/2019	\$120,000.00	\$120,000.00	Implement a "Complete Streets" Pedestrian	\$0.00	Yes
ML16055	City of Ontario	5/6/2016	5/5/2022		\$270,000.00	\$270,000.00	Purchase Nine Heavy-Duty Natural-Gas Veh	\$0.00	Yes
ML16056	City of Ontario	3/23/2016	9/22/2020	9/22/2021	\$106,565.00	\$106,565.00	Expansion of an Existing CNG Station	\$0.00	Yes
ML16058	Los Angeles County Department of P	10/7/2016	4/6/2024		\$371,898.00	\$371,898.00	Purchase 11 H.D. Nat. Gas Vehicles and Ins	\$0.00	Yes
ML16059	City of Burbank	4/1/2016	2/28/2022		\$180,000.00	\$180,000.00	Purchase 6 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML16060	City of Cudahy	2/5/2016	10/4/2017		\$73,910.00	\$62,480.00	Implement an "Open Streets" Event	\$11,430.00	Yes
ML16061	City of Murrieta	4/27/2016	1/26/2020		\$11,642.00	\$9,398.36	Installation of EV Charging Infrastructure	\$2,243.64	Yes
ML16062	City of Colton	6/3/2016	7/2/2020		\$21,003.82	\$21,003.82	Installation of EV Charging Infrastructure	\$0.00	Yes
ML16063	City of Glendora	3/4/2016	4/3/2022		\$30,000.00	\$30,000.00	Purchase One H.D. Nat. Gas Vehicle	\$0.00	Yes
ML16064	County of Orange, OC Parks	2/21/2017	10/20/2018		\$204,073.00	\$157,632.73	Implement "Open Streets" Events with Vario	\$46,440.27	Yes
ML16066	City of Long Beach Public Works	1/13/2017	9/12/2018		\$75,050.00	\$63,763.62	Implement an "Open Streets" Event	\$11,286.38	Yes
ML16068	Riverside County Dept of Public Heal	12/2/2016	8/1/2018		\$171,648.00	\$171,648.00	Implement "Open Streets" Events with Vario	\$0.00	Yes
ML16069	City of West Covina	3/10/2017	6/9/2021		\$54,199.00	\$54,199.00	Installation of EV Charging Infrastructure	\$0.00	Yes
ML16070	City of Beverly Hills	2/21/2017	6/20/2023		\$90,000.00	\$90,000.00	Purchase 3 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML16071	City of Highland	5/5/2017	1/4/2020	1/4/2023	\$264,500.00	\$264,500.00	Implement a "Complete Streets" Pedestrian	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML16072	City of Palm Desert	3/4/2016	1/4/2020	1/3/2022	\$56,000.00	\$56,000.00	Installation of EV Charging Infrastructure	\$0.00	Yes
ML16073	City of Long Beach Public Works	1/13/2017	7/12/2017		\$50,000.00	\$50,000.00	Implement an "Open Streets" Event	\$0.00	Yes
ML16076	City of San Fernando	2/21/2017	8/20/2021		\$43,993.88	\$43,993.88	Install EV Charging Infrastructure	\$0.00	Yes
ML16078	City of Moreno Valley	5/6/2016	11/5/2017	5/5/2018	\$32,800.00	\$31,604.72	Install Bicycle Infrastructure & Implement Bi	\$1,195.28	Yes
ML16079	City of Yucaipa	4/1/2016	3/31/2020		\$5,000.00	\$5,000.00	Purchase Electric Lawnmower	\$0.00	Yes
ML16083	City of El Monte	4/1/2016	4/30/2021	4/30/2023	\$57,210.00	\$25,375.60	Install EV Charging Infrastructure	\$31,834.40	Yes
ML16122	City of Wildomar	6/8/2018	6/7/2019		\$500,000.00	\$500,000.00	Install Bicycle Lanes	\$0.00	Yes
ML16126	City of Palm Springs	7/31/2019	7/30/2020	10/30/2020	\$22,000.00	\$19,279.82	Install Bicycle Racks, and Implement Bicycle	\$2,720.18	Yes
MS16001	Los Angeles County MTA	4/1/2016	4/30/2017		\$1,350,000.00	\$1,332,039.84	Clean Fuel Transit Service to Dodger Stadiu	\$17,960.16	Yes
MS16002	Orange County Transportation Autho	10/6/2015	5/31/2016		\$722,266.00	\$703,860.99	Clean Fuel Transit Service to Orange Count	\$18,405.01	Yes
MS16003	Special Olympics World Games Los	10/9/2015	12/30/2015		\$380,304.00	\$380,304.00	Low-Emission Transportation Service for Sp	\$0.00	Yes
MS16004	Mineral LLC	9/4/2015	7/3/2017	1/3/2018	\$27,690.00	\$9,300.00	Design, Develop, Host and Maintain MSRC	\$18,390.00	Yes
MS16029	Orange County Transportation Autho	1/12/2018	6/11/2020		\$836,413.00	\$567,501.06	TCM Partnership Program - OC Bikeways	\$268,911.94	Yes
MS16030	Better World Group Advisors	12/19/2015	12/31/2017	12/31/2019	\$271,619.00	\$245,355.43	Programmic Outreach Services to the MSR	\$26,263.57	Yes
MS16081	EDCO Disposal Corporation	3/4/2016	10/3/2022		\$150,000.00	\$150,000.00	Expansion of Existing Public Access CNG St	\$0.00	Yes
MS16084	Transit Systems Unlimited, Inc.	5/6/2016	2/28/2018		\$565,600.00	\$396,930.00	Implement Special Shuttle Service from Uni	\$168,670.00	Yes
MS16085	Southern California Regional Rail Au	3/11/2016	9/30/2016		\$78,033.00	\$64,285.44	Special MetroLink Service to Autoclub Spee	\$13,747.56	Yes
MS16086	San Bernardino County Transportatio	9/3/2016	10/2/2021		\$800,625.00	\$769,021.95	Freeway Service Patrols	\$31,603.05	Yes
MS16087	Burrtec Waste & Recycling Services,	7/8/2016	3/7/2023		\$100,000.00	\$100,000.00	Construct New Limited-Access CNG Station	\$0.00	Yes
MS16088	Transit Systems Unlimited, Inc.	5/12/2017	1/11/2023		\$17,000.00	\$17,000.00	Expansion of Existing CNG Station	\$0.00	Yes
MS16089	Orange County Transportation Autho	7/8/2016	4/30/2017		\$128,500.00	\$128,500.00	Implement Special Bus Service to Angel Sta	\$0.00	Yes
MS16092	San Bernardino County Transportatio	2/3/2017	1/2/2019		\$242,937.00	\$242,016.53	Implement a Series of "Open Streets" Event	\$920.47	Yes
MS16093	Orange County Transportation Autho	9/3/2016	3/2/2018	9/2/2018	\$1,553,657.00	\$1,499,575.85	Implement a Mobile Ticketing System	\$54,081.15	Yes
MS16094	Riverside County Transportation Co	1/25/2017	1/24/2022	2/24/2024	\$1,909,241.00	\$1,635,864.00	MetroLink First Mile/Last Mile Mobility Strate	\$273,377.00	No
MS16095	Orange County Transportation Autho	7/22/2016	5/31/2017		\$694,645.00	\$672,864.35	Implement Special Bus Service to Orange C	\$21,780.65	Yes
MS16096	San Bernardino County Transportatio	10/27/2016	12/26/2019	6/30/2021	\$450,000.00	\$450,000.00	EV Charging Infrastructure	\$0.00	Yes
MS16097	Walnut Valley Unified School District	10/7/2016	11/6/2022		\$250,000.00	\$250,000.00	Expand CNG Station & Modify Maintenance	\$0.00	Yes
MS16099	Foothill Transit	3/3/2017	3/31/2017		\$50,000.00	\$50,000.00	Provide Special Bus Service to the Los Ange	\$0.00	Yes
MS16100	Southern California Regional Rail Au	5/5/2017	9/30/2017		\$80,455.00	\$66,169.43	Provide Metrolink Service to Autoclub Speed	\$14,285.57	Yes
MS16102	Nasa Services, Inc.	2/21/2017	4/20/2023		\$100,000.00	\$100,000.00	Construct a Limited-Access CNG Station	\$0.00	Yes
MS16103	Arrow Services, Inc.	2/3/2017	4/2/2023		\$100,000.00	\$100,000.00	Construct a Limited-Access CNG Station	\$0.00	Yes
MS16112	Orange County Transportation Autho	4/14/2017	3/13/2024		\$1,470,000.00	\$1,470,000.00	Repower Up to 98 Transit Buses	\$0.00	Yes
MS16114	City of Norwalk	3/3/2017	6/2/2024		\$32,170.00	\$32,170.00	Purchase 3 Transit Buses	\$0.00	Yes
MS16116	Riverside Transit Agency	3/3/2017	1/2/2023		\$10,000.00	\$9,793.00	Purchase One Transit Bus	\$207.00	Yes
MS16117	Omnitrans	4/21/2017	6/20/2023		\$175,000.00	\$175,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS16118	Omnitrans	4/21/2017	6/20/2023		\$175,000.00	\$175,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS16119	Omnitrans	4/21/2017	8/20/2022		\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS16124	Riverside County Transportation Co	12/14/2018	12/14/2019	5/14/2020	\$253,239.00	\$246,856.41	Extended Freeway Service Patrols	\$6,382.59	Yes
MS16125	San Bernardino County Transportatio	9/20/2019	11/19/2020		\$1,000,000.00	\$1,000,000.00	Traffic Signal Synchronization Projects	\$0.00	Yes
MS16127	Los Angeles County MTA	6/29/2021		6/28/2022	\$2,500,000.00	\$2,500,000.00	Expansion of the Willowbrook/Rosa Parks Tr	\$0.00	Yes

Total: 86

Closed/Incomplete Contracts

ML16005	City of Palm Springs	3/4/2016	10/3/2017		\$40,000.00	\$0.00	Install Bicycle Racks, and Implement Bicycle	\$40,000.00	No
ML16035	City of Wildomar	4/1/2016	11/1/2017		\$500,000.00	\$0.00	Install Bicycle Lanes	\$500,000.00	No
ML16057	City of Yucaipa	4/27/2016	1/26/2019	1/26/2024	\$380,000.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$380,000.00	No
MS16082	Riverside County Transportation Co	9/3/2016	8/2/2018		\$590,759.00	\$337,519.71	Extended Freeway Service Patrols	\$253,239.29	No
MS16090	Los Angeles County MTA	10/27/2016	4/26/2020	10/26/2020	\$2,500,000.00	\$0.00	Expansion of the Willowbrook/Rosa Parks Tr	\$2,500,000.00	No
MS16091	San Bernardino County Transportatio	10/7/2016	11/6/2018		\$1,000,000.00	\$0.00	Traffic Signal Synchronization Projects	\$1,000,000.00	No
MS16123	Orange County Transportation Autho	12/7/2018	11/6/2023		\$91,760.00	\$0.00	Install La Habra Union Pacific Bikeway	\$91,760.00	No

Total: 7

Open/Complete Contracts

ML16008	City of Pomona	9/20/2016	11/19/2022	5/19/2025	\$60,000.00	\$60,000.00	Purchase 3 Medium-Duty and 1 Heavy-Duty	\$0.00	Yes
ML16013	City of Monterey Park	12/4/2015	7/3/2022	7/3/2024	\$90,000.00	\$90,000.00	Purchase 3 Heavy-Duty Nat. Gas Vehicles	\$0.00	Yes
ML16017	City of Long Beach	2/5/2016	8/4/2023	5/4/2029	\$1,415,400.00	\$1,415,400.00	Purchase 50 Medium-Duty, 17 H.D. Nat. Ga	\$0.00	No
ML16021	City of Santa Clarita	10/7/2016	6/6/2024		\$49,400.00	\$49,399.00	Install EV Charging Infrastructure	\$1.00	Yes
ML16022	Los Angeles Department of Water an	5/5/2017	3/4/2024	6/4/2028	\$240,000.00	\$240,000.00	Purchase 8 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML16039	City of Torrance Transit Department	1/6/2017	9/5/2022	3/27/2026	\$32,000.00	\$27,391.57	Install Eight Level II EV Chargers	\$4,608.43	Yes
ML16040	City of Eastvale	1/6/2017	7/5/2022	11/5/2026	\$66,409.00	\$66,040.41	Install EV Charging Infrastructure	\$368.59	Yes
MS16105	Huntington Beach Union High School	3/3/2017	7/2/2024		\$175,000.00	\$175,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS16110	City of Riverside	10/6/2017	2/5/2025	10/5/2026	\$270,000.00	\$270,000.00	Expansion of Existing CNG Station and Main	\$0.00	Yes
MS16113	Los Angeles County MTA	5/12/2017	4/11/2024		\$1,875,000.00	\$1,875,000.00	Repower Up to 125 Transit Buses	\$0.00	Yes
MS16115	City of Santa Monica	4/14/2017	7/13/2025		\$450,000.00	\$450,000.00	Repower 30 Transit Buses	\$0.00	Yes
MS16120	Omnitrans	4/7/2017	5/6/2025		\$945,000.00	\$870,000.00	Repower 63 Existing Buses	\$75,000.00	Yes

Total: 12

Terminated Contracts

ML16010	City of Fullerton	10/7/2016	4/6/2023	4/6/2024	\$78,222.00	\$27,896.71	Install EV Charging Stations	\$50,325.29	Yes
ML16048	City of Placentia	3/26/2016	5/25/2021	12/25/2026	\$80,000.00	\$18,655.00	Install EV Charging Infrastructure	\$61,345.00	Yes

Total: 2

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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FY 2016-2018 Contracts

Open Contracts

ML18031	City of Diamond Bar	9/7/2018	11/6/2025	11/6/2027	\$58,930.00	\$58,930.00	Install EVSE, Purchase up to 2-LD Vehicles	\$0.00	No
ML18050	City of Irvine	9/7/2018	8/6/2028		\$302,035.00	\$0.00	Install EVSE	\$302,035.00	No
ML18051	City of Rancho Cucamonga	3/1/2019	10/31/2025	4/30/2030	\$91,500.00	\$82,500.00	Purchase 6 Light-Duty ZEVs, Install 3 Limite	\$9,000.00	No
ML18055	City of Long Beach	11/29/2018	11/28/2026	11/28/2028	\$622,220.00	\$302,401.53	Install EV Charging Stations	\$319,818.47	No
ML18057	City of Carson	10/5/2018	7/4/2023	9/15/2027	\$106,250.00	\$50,000.00	Purchase 5 Zero-Emission Vehicles and Infr	\$56,250.00	No
ML18060	County of Los Angeles Internal Servi	10/5/2018	8/4/2026	8/4/2028	\$1,273,938.00	\$724,868.96	Purchase 29 Light-Duty Zero Emission Vehi	\$549,069.04	No
ML18063	City of Riverside	6/7/2019	1/6/2027	3/6/2028	\$50,000.00	\$0.00	Expand Existing CNG Station	\$50,000.00	No
ML18067	City of Pico Rivera	9/7/2018	11/6/2022	12/6/2027	\$83,500.00	\$0.00	Install EVSE	\$83,500.00	No
ML18068	City of Mission Viejo	7/31/2019	6/30/2027	6/29/2029	\$86,940.00	\$20,000.00	Purchase 2 Light-Duty ZEVs & Install EVSE	\$66,940.00	No
ML18069	City of Torrance	3/1/2019	7/31/2027	12/31/2028	\$187,400.00	\$100,000.00	Purchase 4 Heavy-Duty Near-Zero Emission	\$87,400.00	No
ML18078	County of Riverside	10/5/2018	10/4/2028		\$375,000.00	\$300,000.00	Purchase 15 Heavy-Duty Vehicles	\$75,000.00	No
ML18082	City of Los Angeles Bureau of Sanita	8/30/2019	8/29/2028	8/29/2029	\$900,000.00	\$0.00	Purchase 8 Medium-Duty Vehicles and 8 Li	\$900,000.00	No
ML18084	City of South El Monte	10/18/2019	9/17/2023	3/30/2028	\$30,000.00	\$0.00	EV Charging Infrastructure	\$30,000.00	No
ML18092	City of South Pasadena	2/1/2019	1/31/2025	4/30/2027	\$50,000.00	\$20,000.00	Procure Two Light-Duty ZEVs and Install EV	\$30,000.00	No
ML18134	City of Los Angeles Dept of General	5/3/2019	5/2/2028	5/2/2029	\$116,000.00	\$0.00	Purchase Two Medium-Duty ZEVs	\$116,000.00	No
ML18135	City of Azusa	12/6/2019	12/5/2029		\$30,000.00	\$0.00	Purchase Three Light-Duty ZEVs	\$30,000.00	No
ML18145	City of Los Angeles Dept of Transpor	1/10/2020	4/9/2027	12/31/2028	\$1,400,000.00	\$1,100,000.00	Provide One Hundred Rebates to Purchaser	\$300,000.00	No
ML18147	City of Palm Springs	1/10/2019	1/9/2024	7/9/2026	\$60,000.00	\$0.00	Install Eighteen EV Charging Stations	\$60,000.00	No
ML18148	City of San Dimas	1/21/2022	5/20/2023	11/20/2024	\$50,000.00	\$0.00	Implement Bicycle Detection Measures	\$50,000.00	No
ML18151	County of San Bernardino Departme	8/25/2020	10/24/2029		\$200,000.00	\$150,000.00	Purchase Eight Heavy-Duty Near Zero Emis	\$50,000.00	No
ML18152	County of San Bernardino Flood Con	8/11/2020	10/10/2029		\$108,990.00	\$75,000.00	Purchase Five Heavy-Duty Near Zero Emissi	\$33,990.00	No
ML18166	City of Placentia	2/18/2021	5/17/2027		\$25,000.00	\$0.00	Purchase One Heavy-Duty Near-Zero Emiss	\$25,000.00	No
ML18178	City of La Puente	11/1/2019	11/30/2025	11/30/2028	\$25,000.00	\$0.00	Purchase One Heavy-Duty Near-Zero Emiss	\$25,000.00	No
ML18185	City of Wildomar	10/19/2023	10/18/2024		\$25,000.00	\$0.00	Install Bicycle Trail	\$25,000.00	No
ML18186	City of Paramount	8/1/2024	2/28/2025		\$42,686.00	\$36,484.50	Install EV Charging Infrastructure	\$6,201.50	No
MS18024	Riverside County Transportation Co	6/28/2018	8/27/2021	8/31/2024	\$1,500,000.00	\$1,054,760.00	Vanpool Incentive Program	\$445,240.00	No
MS18027	City of Gardena	11/2/2018	9/1/2026	10/1/2029	\$365,000.00	\$0.00	Install New Limited Access CNG, Modify Mai	\$365,000.00	No
MS18106	R.F. Dickson Co., Inc.	7/19/2019	1/18/2026		\$265,000.00	\$250,000.00	Expansion of Existing Infrastructure/Mechani	\$15,000.00	No
MS18181	San Bernardino County Transportatio	4/10/2023	9/9/2030		\$1,662,000.00	\$0.00	Construct Hydrogen Fueling Station	\$1,662,000.00	No
MS18182	Air Products and Chemicals Inc.	3/8/2023	2/7/2031		\$1,000,000.00	\$0.00	Install Publicly Accessible Hydrogen Fueling	\$1,000,000.00	No

Total: 30

Declined/Cancelled Contracts

ML18044	City of Malibu	8/8/2018	10/7/2022	10/7/2023	\$50,000.00	\$0.00	Install EV Charging Infrastructure	\$50,000.00	No
ML18053	City of Paramount	9/7/2018	3/6/2023		\$64,675.00	\$0.00	Install EV Charging Infrastructure	\$64,675.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18075	City of Orange				\$25,000.00	\$0.00	One Heavy-Duty Vehicle	\$25,000.00	No
ML18140	City of Bell Gardens	12/14/2018	12/13/2028		\$50,000.00	\$0.00	Purchase Two Heavy-Duty Near-ZEVs	\$50,000.00	No
ML18149	City of Sierra Madre				\$50,000.00	\$0.00	Implement Bike Share Program	\$50,000.00	No
ML18150	City of South El Monte				\$20,000.00	\$0.00	Implement Bike Share Program	\$20,000.00	No
ML18153	City of Cathedral City	5/3/2019	4/2/2025		\$52,215.00	\$0.00	Install EV Charging Infrastructure	\$52,215.00	No
ML18158	City of Inglewood				\$146,000.00	\$0.00	Purchase 4 Light-Duty Zero Emission, 4 Hea	\$146,000.00	No
ML18164	City of Pomona				\$200,140.00	\$0.00	Purchase Three Heavy-Duty ZEVs	\$200,140.00	No
ML18165	City of Baldwin Park	2/1/2019	1/30/2024		\$49,030.00	\$0.00	Expand CNG Station	\$49,030.00	No
ML18172	City of Huntington Park	3/1/2019	2/28/2025		\$65,450.00	\$0.00	Purchase One Heavy-Duty ZEV	\$65,450.00	No
ML18174	City of Bell	11/22/2019	7/21/2026		\$25,000.00	\$0.00	Purchase One Heavy-Duty Near-Zero Emiss	\$25,000.00	No
ML18177	City of San Bernardino	6/7/2019	12/6/2026	12/6/2028	\$279,088.00	\$0.00	Purchase Medium- and Heavy-Duty Evs and	\$279,088.00	No
MS18009	Penske Truck Leasing Co., L.P.	8/8/2018	12/7/2020		\$82,500.00	\$0.00	Modify Maintenance Facility & Train Technici	\$82,500.00	No
MS18013	California Energy Commission				\$3,000,000.00	\$0.00	Advise MSRC and Administer Hydrogen Infr	\$3,000,000.00	No
MS18017	City of Banning				\$225,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$225,000.00	No
MS18018	City of Norwalk	6/8/2018	9/7/2019		\$75,000.00	\$0.00	Vehicle Maintenance Facility Modifications	\$75,000.00	No
MS18107	Huntington Beach Union High School				\$225,000.00	\$0.00	Expansion of Existing Infrastructure	\$225,000.00	No
MS18109	City of South Gate				\$175,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$175,000.00	No
MS18111	Newport-Mesa Unified School Distric				\$175,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$175,000.00	No
MS18112	Banning Unified School District	11/29/2018	11/28/2024	11/28/2025	\$275,000.00	\$0.00	Install New CNG Infrastructure	\$275,000.00	No
MS18113	City of Torrance				\$100,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$100,000.00	No
MS18114	Los Angeles County Department of P	11/15/2019	11/14/2026		\$175,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$175,000.00	No
MS18116	Los Angeles County Department of P	11/15/2019	11/14/2026		\$175,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$175,000.00	No
MS18119	LBA Realty Company XI LP				\$100,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$100,000.00	No
MS18121	City of Montebello				\$70,408.00	\$0.00	Expansion of Existing CNG Infrastructure	\$70,408.00	No
MS18175	Regents of the University of Californi	6/7/2019	8/6/2025	8/6/2026	\$1,000,000.00	\$0.00	Expansion of Existing Hydrogen Station	\$1,000,000.00	No
MS18183	Nikola-TA HRS 1, LLC	9/28/2022	1/27/2030		\$1,660,000.00	\$0.00	Install Publicly Accessible Hydrogen Fueling	\$1,660,000.00	No
MS18184	Clean Energy				\$1,000,000.00	\$0.00	Install Publicly Accessible Hydrogen Fueling	\$1,000,000.00	No

Total: 29

Closed Contracts

ML18019	City of Hidden Hills	5/3/2018	5/2/2022	5/2/2023	\$49,999.00	\$49,999.00	Purchase Two Light-Duty ZEVs and EVSE	\$0.00	Yes
ML18021	City of Signal Hill	4/6/2018	1/5/2022		\$49,661.00	\$46,079.31	Install EV Charging Stations	\$3,581.69	Yes
ML18022	City of Desert Hot Springs	5/3/2018	1/2/2020	1/2/2021	\$50,000.00	\$50,000.00	Traffic Signal and Synchronization Project	\$0.00	Yes
ML18034	City of Calabasas	6/8/2018	3/7/2022	3/7/2023	\$50,000.00	\$50,000.00	Install EVSE	\$0.00	Yes
ML18035	City of Westlake Village	8/8/2018	11/7/2022		\$50,000.00	\$50,000.00	Install EVSE	\$0.00	Yes
ML18040	City of Agoura Hills	7/13/2018	6/12/2022		\$17,914.00	\$17,914.00	Install EV Charging Infrastructure	\$0.00	Yes
ML18042	City of San Fernando	6/28/2018	2/27/2024		\$10,000.00	\$10,000.00	Purchase 1 Light-Duty ZEV	\$0.00	Yes
ML18049	City of Downey	7/6/2018	5/5/2023		\$148,260.00	\$148,116.32	Install EV Charging Stations	\$143.68	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18052	City of Garden Grove	8/8/2018	10/7/2022		\$53,593.00	\$46,164.28	Purchase 4 L.D. ZEVs and Infrastructure	\$7,428.72	Yes
ML18054	City of La Habra Heights	8/8/2018	4/7/2022		\$9,200.00	\$9,200.00	Purchase 1 L.D. ZEV	\$0.00	Yes
ML18056	City of Chino	3/29/2019	9/28/2023		\$103,868.00	\$103,868.00	Install EV Charging Infrastructure	\$0.00	Yes
ML18070	City of Lomita	11/29/2018	6/28/2022		\$6,250.00	\$6,250.00	Purchase 1 Light-Duty ZEV	\$0.00	Yes
ML18071	City of Chino Hills	9/7/2018	10/6/2022		\$20,000.00	\$20,000.00	Purchase 2 Light-Duty ZEVs	\$0.00	Yes
ML18076	City of Culver City Transportation De	10/5/2018	10/4/2023		\$1,130.00	\$1,130.00	Purchase Light-Duty ZEV	\$0.00	Yes
ML18077	City of Orange	11/2/2018	10/1/2022		\$59,776.00	\$59,776.00	Four Light-Duty ZEV and EV Charging Infr	\$0.00	Yes
ML18079	City of Pasadena	12/7/2018	11/6/2023		\$183,670.00	\$183,670.00	EV Charging Infrastructure	\$0.00	Yes
ML18086	City of Los Angeles Bureau of Street	2/8/2019	4/7/2023		\$300,000.00	\$300,000.00	Install Sixty EV Charging Stations	\$0.00	Yes
ML18088	City of Big Bear Lake	11/29/2018	8/28/2020	8/28/2021	\$50,000.00	\$50,000.00	Install Bicycle Trail	\$0.00	Yes
ML18090	City of Santa Clarita	5/9/2019	2/8/2023	2/8/2024	\$122,000.00	\$118,978.52	Install Nine EV Charging Stations	\$3,021.48	Yes
ML18097	City of Temple City	11/29/2018	7/28/2022		\$16,000.00	\$12,000.00	Purchase Two Light-Duty ZEVs	\$4,000.00	Yes
ML18126	City of Lomita	12/7/2018	1/6/2020		\$26,500.00	\$13,279.56	Install bicycle racks and lanes	\$13,220.44	Yes
ML18127	City of La Puente	2/1/2019	2/28/2023		\$10,000.00	\$7,113.70	Purchase Light-Duty Zero Emission Vehicle	\$2,886.30	Yes
ML18128	City of Aliso Viejo	8/30/2019	11/29/2023		\$65,460.00	\$65,389.56	Purchase Two Light-Duty ZEVs and Install S	\$70.44	Yes
ML18130	City of Lake Forest	3/1/2019	9/30/2022		\$106,480.00	\$106,480.00	Install Twenty-One EVSEs	\$0.00	Yes
ML18131	City of Los Angeles, Police Departm	5/3/2019	12/2/2022		\$19,294.00	\$19,294.00	Purchase Three Light-Duty ZEVs	\$0.00	Yes
ML18136	City of Orange	4/12/2019	8/11/2024		\$40,000.00	\$40,000.00	Purchase Four Light-Duty Zero Emission Ve	\$0.00	Yes
ML18138	City of La Canada Flintridge	2/8/2019	5/7/2023		\$32,589.00	\$32,588.07	Install Four EVSEs and Install Bicycle Racks	\$0.93	Yes
ML18139	City of Calimesa	8/30/2019	7/29/2020	11/29/2021	\$50,000.00	\$50,000.00	Install Bicycle Lane	\$0.00	Yes
ML18142	City of La Quinta	4/24/2019	2/23/2023	8/23/2023	\$51,780.00	\$51,780.00	Install Two EV Charging Stations	\$0.00	Yes
ML18154	City of Hemet	11/22/2019	9/21/2023	3/21/2024	\$30,000.00	\$30,000.00	Purchase Two Light-Duty ZEVs and EV Cha	\$0.00	Yes
ML18155	City of Claremont	7/31/2019	9/30/2023		\$35,609.00	\$35,608.86	Install EV Charging Infrastructure	\$0.14	Yes
ML18156	City of Covina	2/1/2019	3/31/2023	12/31/2023	\$63,800.00	\$62,713.00	Purchase Four Light-Duty ZEVs and EV Cha	\$1,087.00	Yes
ML18160	City of Irwindale	3/29/2019	12/28/2022		\$14,263.00	\$14,263.00	Purchase Two Light-Duty ZEVs	\$0.00	Yes
ML18173	City of Manhattan Beach	3/29/2019	2/28/2023		\$49,000.00	\$49,000.00	Purchase Two Light-Duty ZEVs and EV Cha	\$0.00	Yes
ML18179	City of Rancho Mirage	8/20/2021	2/19/2022		\$50,000.00	\$50,000.00	Traffic Signal Synchronization	\$0.00	Yes
MS18001	Los Angeles County MTA	6/29/2017	4/30/2018		\$807,945.00	\$652,737.07	Provide Clean Fuel Transit Service to Dodge	\$155,207.93	Yes
MS18002	Southern California Association of G	6/9/2017	11/30/2018	12/30/2021	\$2,500,000.00	\$2,276,272.46	Regional Active Transportation Partnership	\$223,727.54	Yes
MS18003	Geographics	2/21/2017	2/20/2021	6/20/2021	\$72,453.00	\$65,521.32	Design, Host and Maintain MSRC Website	\$6,931.68	Yes
MS18004	Orange County Transportation Autho	8/3/2017	4/30/2019		\$503,272.00	\$456,145.29	Provide Special Rail Service to Angel Stadiu	\$47,126.71	Yes
MS18005	Orange County Transportation Autho	1/5/2018	4/30/2019		\$834,222.00	\$834,222.00	Clean Fuel Bus Service to OC Fair	\$0.00	Yes
MS18006	Anaheim Transportation Network	10/6/2017	2/28/2020		\$219,564.00	\$9,488.22	Implement Anaheim Circulator Service	\$210,075.78	Yes
MS18008	Foothill Transit	1/12/2018	3/31/2019		\$100,000.00	\$99,406.61	Special Transit Service to LA County Fair	\$593.39	Yes
MS18010	Southern California Regional Rail Au	12/28/2017	7/31/2019		\$351,186.00	\$275,490.61	Implement Special Metrolink Service to Unio	\$75,695.39	Yes
MS18011	Southern California Regional Rail Au	2/9/2018	6/30/2018		\$239,565.00	\$221,725.12	Special Train Service to Festival of Lights	\$17,839.88	Yes
MS18012	City of Hermosa Beach	2/2/2018	2/1/2024		\$36,000.00	\$36,000.00	Construct New Limited-Access CNG Station	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS18014	Regents of the University of Californi	10/5/2018	12/4/2019	3/4/2020	\$254,795.00	\$251,455.59	Planning for EV Charging Infrastructure Inve	\$3,339.41	Yes
MS18015	Southern California Association of G	7/13/2018	2/28/2021	11/30/2023	\$2,000,000.00	\$1,585,466.77	Southern California Future Communities Par	\$414,533.23	Yes
MS18016	Southern California Regional Rail Au	1/10/2019	3/31/2019		\$87,764.00	\$73,140.89	Special Train Service to Auto Club Speedwa	\$14,623.11	Yes
MS18023	Riverside County Transportation Co	6/28/2018	6/27/2021	3/31/2023	\$500,000.00	\$500,000.00	Weekend Freeway Service Patrols	\$0.00	Yes
MS18025	Los Angeles County MTA	11/29/2018	5/31/2019		\$1,324,560.00	\$961,246.86	Special Bus and Train Service to Dodger Sta	\$363,313.14	Yes
MS18102	Orange County Transportation Autho	10/4/2019	5/31/2020		\$1,146,000.00	\$1,146,000.00	Implement OC Flex Micro-Transit Pilot Proje	\$0.00	Yes
MS18103	Orange County Transportation Autho	2/8/2019	9/7/2020		\$642,000.00	\$613,303.83	Install Hydrogen Detection System	\$28,696.17	Yes
MS18104	Orange County Transportation Autho	2/21/2020	3/31/2021	3/31/2022	\$212,000.00	\$165,235.92	Implement College Pass Transit Fare Subsi	\$46,764.08	Yes
MS18105	Southern California Regional Rail Au	1/10/2019	6/30/2019		\$252,696.00	\$186,830.04	Special Train Service to the Festival of Light	\$65,865.96	Yes
MS18180	Omnitrans	8/4/2022	8/3/2023		\$83,000.00	\$75,000.00	Modify Vehicle Maintenance Facility and Trai	\$8,000.00	Yes

Total: 55

Closed/Incomplete Contracts

ML18083	City of San Fernando	11/2/2018	11/1/2022		\$20,000.00	\$0.00	Implement Traffic Signal Synchronization	\$20,000.00	No
ML18093	City of Monterey Park	2/1/2019	2/28/2026	10/31/2028	\$25,000.00	\$0.00	Purchase Heavy-Duty Near-ZEV	\$25,000.00	No
ML18129	City of Yucaipa	12/14/2018	3/13/2023	9/13/2027	\$63,097.00	\$0.00	Install Six EV Charging Stations	\$63,097.00	No
ML18133	City of Rancho Mirage	12/7/2018	11/6/2020		\$50,000.00	\$0.00	Traffic Signal Synchronization	\$50,000.00	No
ML18137	City of Wildomar	3/1/2019	5/31/2021	12/1/2022	\$50,000.00	\$0.00	Install Bicycle Trail	\$50,000.00	No
ML18167	City of Beverly Hills	3/29/2019	6/28/2025		\$50,000.00	\$0.00	Purchase Two Heavy-Duty Near-Zero Emiss	\$50,000.00	No
ML18168	City of Maywood	3/29/2019	11/28/2022		\$7,059.00	\$0.00	Purchase EV Charging Infrastructure	\$7,059.00	No
MS18026	Omnitrans	10/5/2018	1/4/2020		\$83,000.00	\$0.00	Modify Vehicle Maintenance Facility and Trai	\$83,000.00	No
MS18118	City of Beverly Hills	3/29/2019	7/28/2025		\$85,272.00	\$0.00	Expansion of Existing CNG Infrastructure	\$85,272.00	No

Total: 9

Open/Complete Contracts

ML18020	City of Colton	5/3/2018	4/2/2024	4/2/2027	\$67,881.00	\$67,881.00	Purchase One Medium-Duty and One Heavy	\$0.00	Yes
ML18028	City of Artesia	6/28/2018	3/27/2025		\$50,000.00	\$50,000.00	Install EVSE	\$0.00	Yes
ML18030	City of Grand Terrace	6/28/2018	3/27/2022	3/27/2025	\$45,000.00	\$45,000.00	Install EVSE	\$0.00	Yes
ML18032	City of Arcadia	2/1/2019	4/30/2025		\$24,650.00	\$24,650.00	Purchase 1 Heavy-Duty Near-ZEV	\$0.00	Yes
ML18033	City of Duarte	8/8/2018	2/7/2025		\$50,000.00	\$50,000.00	Purchase 1-HD ZEV	\$0.00	Yes
ML18036	City of Indian Wells	8/8/2018	5/7/2023	5/7/2026	\$50,000.00	\$50,000.00	Install EV Charging Stations	\$0.00	No
ML18037	City of Westminster	6/28/2018	6/27/2024	12/27/2026	\$120,900.00	\$120,900.00	Install EVSE, Purchase up to 3-LD ZEV & 1-	\$0.00	Yes
ML18038	City of Anaheim	10/5/2018	5/4/2025	5/4/2026	\$151,630.00	\$147,883.27	Purchase 5 Light-Duty ZEVs and Install EVS	\$3,746.73	Yes
ML18039	City of Redlands	6/28/2018	7/27/2024	1/27/2025	\$63,191.00	\$63,190.33	Purchase 1 Medium/Heavy-Duty ZEV and In	\$0.67	Yes
ML18041	City of West Hollywood	8/8/2018	12/7/2023	6/7/2024	\$50,000.00	\$50,000.00	Install EV Charging Infrastructure	\$0.00	Yes
ML18043	City of Yorba Linda	9/7/2018	12/6/2023	12/6/2024	\$87,990.00	\$87,990.00	Install EV Charging Infrastructure	\$0.00	Yes
ML18045	City of Culver City Transportation De	6/28/2018	6/27/2025		\$51,000.00	\$51,000.00	Purchase Eight Near-Zero Vehicles	\$0.00	Yes
ML18046	City of Santa Ana - Public Works Ag	11/9/2018	7/8/2026		\$359,591.00	\$359,590.75	Purchase 6 Light-Duty ZEVs, 9 Heavy-Duty	\$0.25	Yes
ML18047	City of Whittier	8/8/2018	4/7/2026	1/7/2029	\$113,910.00	\$113,910.00	Purchase 5 Heavy-Duty Near-Zero Emission	\$0.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18048	City of Lynwood	6/28/2018	10/27/2024		\$93,500.00	\$44,505.53	Purchase Up to 3 Medium-Duty Zero-Emissi	\$48,994.47	Yes
ML18059	City of Glendale Water & Power	2/1/2019	7/31/2026	1/31/2028	\$260,500.00	\$232,315.70	Install Electric Vehicle Charging Infrastructur	\$28,184.30	No
ML18061	City of Moreno Valley	4/9/2019	2/8/2025		\$25,000.00	\$25,000.00	Purchase 1 Heavy-Duty Near-ZEV	\$0.00	Yes
ML18062	City of Beaumont	8/8/2018	9/7/2024		\$25,000.00	\$25,000.00	Purchase 1 Heavy-Duty Near-ZEV	\$0.00	Yes
ML18064	City of Eastvale	11/29/2018	4/28/2026	4/28/2029	\$80,400.00	\$61,462.40	Purchase 2 Light-Duty, One Medium-Duty. Z	\$18,937.60	No
ML18072	City of Anaheim	12/18/2018	11/17/2026		\$239,560.00	\$239,560.00	Purchase 9 Light-Duty ZEVs & 2 Med/Hvy-D	\$0.00	Yes
ML18074	City of Buena Park	12/14/2018	6/13/2026		\$107,960.00	\$107,960.00	EV Charging Infrastructure	\$0.00	Yes
ML18080	City of Santa Monica	1/10/2019	12/9/2023	9/9/2025	\$44,289.00	\$44,288.92	Install EV Charging Stations	\$0.08	Yes
ML18081	City of Beaumont	10/5/2018	10/4/2022	10/4/2025	\$31,870.00	\$31,870.00	EV Charging Infrastructure	\$0.00	Yes
ML18085	City of Orange	4/12/2019	10/11/2026		\$50,000.00	\$50,000.00	Purchase Two Heavy-Duty Near-Zero Emiss	\$0.00	Yes
ML18087	City of Murrieta	3/29/2019	3/28/2025		\$143,520.00	\$143,520.00	Install Four EV Charging Stations	\$0.00	Yes
ML18089	City of Glendora	7/19/2019	4/18/2025	10/18/2028	\$50,760.00	\$50,760.00	Purchase a Heavy-Duty ZEV	\$0.00	Yes
ML18091	City of Temecula	1/19/2019	7/18/2023	3/18/2026	\$111,575.00	\$111,574.46	Install EV Charging Stations	\$0.54	No
ML18094	City of Laguna Woods	7/12/2019	12/11/2024	10/11/2026	\$50,000.00	\$50,000.00	Install Two EV Charging Ports	\$0.00	Yes
ML18095	City of Gardena	11/9/2018	12/8/2024		\$25,000.00	\$25,000.00	Purchase Heavy-Duty Near-ZEV	\$0.00	Yes
ML18096	City of Highland	12/13/2019	8/12/2024		\$10,000.00	\$9,918.84	Purchase Light-Duty Zero Emission Vehicle	\$81.16	Yes
ML18098	City of Redondo Beach	2/1/2019	3/31/2023	3/31/2025	\$89,400.00	\$89,400.00	Install Six EV Charging Stations	\$0.00	Yes
ML18099	City of Laguna Hills	3/1/2019	5/31/2023	9/30/2024	\$32,250.00	\$32,250.00	Install EV Charging Stations	\$0.00	Yes
ML18100	City of Brea	10/29/2020	12/28/2024	12/31/2025	\$56,500.00	\$56,500.00	Install Twenty-Four Level II EV Charging Sta	\$0.00	Yes
ML18101	City of Burbank	2/1/2019	4/30/2024	10/30/2024	\$137,310.00	\$137,310.00	Install Twenty EV Charging Stations	\$0.00	No
ML18132	City of Montclair	4/5/2019	9/4/2023	9/4/2026	\$40,000.00	\$40,000.00	Install Eight EV Chargers	\$0.00	Yes
ML18141	City of Rolling Hills Estates	2/14/2020	1/13/2024	4/13/2026	\$40,000.00	\$40,000.00	Purchase One Light-Duty ZEV and Install Se	\$0.00	Yes
ML18143	City of La Habra	10/18/2019	9/17/2025	9/17/2027	\$80,700.00	\$80,700.00	Install Two EV Charging Stations	\$0.00	Yes
ML18144	City of Fontana Public Works	10/4/2019	12/3/2023	12/31/2025	\$269,090.00	\$269,090.00	Install Twelve EVSEs	\$0.00	No
ML18146	City of South Gate	3/1/2019	11/30/2023	11/30/2026	\$127,400.00	\$127,400.00	Purchase Five Light-Duty ZEVs and Install S	\$0.00	No
ML18157	City of Los Angeles Bureau of Street	6/21/2019	5/20/2027		\$85,000.00	\$85,000.00	Purchase One Medium-Duty ZEV	\$0.00	Yes
ML18159	City of Rialto	12/13/2019	5/12/2024	9/19/2025	\$135,980.00	\$106,597.86	Purchase Nine Light-Duty ZEVs and EV Cha	\$29,382.14	No
ML18161	City of Indio	5/3/2019	10/2/2025		\$25,000.00	\$25,000.00	Purchase 1 Light-Duty Zero Emission and E	\$0.00	Yes
ML18162	City of Costa Mesa	1/10/2020	7/9/2026		\$148,210.00	\$148,210.00	Purchase Three Light-Duty ZEVs and EV Ch	\$0.00	Yes
ML18163	City of San Clemente	3/8/2019	12/7/2024	12/7/2025	\$75,000.00	\$70,533.75	Purchase Three Light-Duty ZEVs and EV Ch	\$4,466.25	Yes
ML18169	City of Alhambra	6/14/2019	8/13/2024		\$111,980.00	\$111,980.00	Install EV Charging Infrastructure	\$0.00	Yes
ML18170	City of Laguna Niguel	1/10/2020	8/9/2028		\$75,100.00	\$75,100.00	Purchase One Light-Duty ZEV and EV Char	\$0.00	No
ML18171	City of El Monte	3/1/2019	4/30/2025		\$68,079.00	\$68,077.81	Purchase One Heavy-Duty ZEVs and EV Ch	\$1.19	Yes
ML18176	City of Coachella	3/1/2019	11/30/2024		\$58,020.00	\$58,020.00	Install EV Charging Stations	\$0.00	Yes
MS18065	San Bernardino County Transportatio	3/29/2019	8/28/2023	3/28/2024	\$2,000,000.00	\$2,000,000.00	Implement Metrolink Line Fare Discount Pro	\$0.00	Yes
MS18066	El Dorado National	12/6/2019	2/5/2026		\$100,000.00	\$100,000.00	Install New Limited-Access CNG Station	\$0.00	Yes
MS18073	Los Angeles County MTA	1/10/2019	2/9/2026		\$2,000,000.00	\$2,000,000.00	Purchase 40 Zero-Emission Transit Buses	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS18108	Capistrano Unified School District	2/1/2019	5/30/2025	9/30/2026	\$111,750.00	\$111,750.00	Expansion of Existing Infrastructure	\$0.00	Yes
MS18110	Mountain View Unified School Distric	2/1/2019	3/31/2025		\$61,748.00	\$61,747.29	Install New Limited-Access CNG Infrastructu	\$0.71	No
MS18115	City of Commerce	6/7/2019	12/6/2025	7/6/2026	\$275,000.00	\$275,000.00	Expansion of Existing L/CNG Infrastructure	\$0.00	No
MS18117	City of San Bernardino	6/7/2019	11/6/2025		\$240,000.00	\$240,000.00	Expansion of Existing CNG Infrastructure/Me	\$0.00	Yes
MS18120	City of Redondo Beach	2/1/2019	9/30/2025		\$275,000.00	\$275,000.00	Install New Limited-Access CNG Infrastructu	\$0.00	Yes
MS18122	Universal Waste Systems, Inc.	2/1/2019	3/31/2025	7/31/2027	\$195,000.00	\$195,000.00	Install New Limited Access CNG Infrastructu	\$0.00	Yes
MS18123	City Rent A Bin DBA Serv-Wel Dispo	12/14/2018	2/13/2025		\$200,000.00	\$200,000.00	Install New Limited-Access CNG Infrastructu	\$0.00	Yes
MS18124	County Sanitation Districts of Los An	7/31/2019	2/28/2027		\$275,000.00	\$275,000.00	Install New Limited-Access CNG Infrastructu	\$0.00	Yes
MS18125	U.S. Venture	5/9/2019	8/8/2025		\$200,000.00	\$200,000.00	Install New Limited-Access CNG Infrastructu	\$0.00	Yes

Total: 60

Terminated Contracts

ML18058	City of Perris	10/12/2018	11/11/2024	11/11/2028	\$94,624.00	\$0.00	Purchase 1 Medium-Duty ZEV and EV Char	\$94,624.00	No
MS18029	Irvine Ranch Water District	8/8/2018	10/7/2024	1/7/2029	\$185,000.00	\$0.00	Install New Limited Access CNG Station & T	\$185,000.00	No

Total: 2

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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FY 2018-2021 Contracts

Open Contracts

MS21002	Better World Group Advisors	11/1/2019	12/31/2022	12/31/2024	\$448,154.00	\$233,882.46	Programmatic Outreach Services	\$214,271.54	No
MS21005	Southern California Association of G	5/5/2021	1/31/2024	7/31/2025	\$16,751,000.00	\$342,085.88	Implement Last Mile Goods Movement Progr	\$16,408,914.12	No
MS21006	Geographics	4/1/2021	6/20/2023	6/20/2025	\$20,152.00	\$16,116.25	Hosting & Maintenance of the MSRC Websit	\$4,035.75	No
MS21009	ITS Technologies & Logistics, LLC	7/15/2022	7/14/2028	7/14/2029	\$1,686,900.00	\$168,690.00	Deploy 12 Zero-Emission Yard Tractors	\$1,518,210.00	No
MS21010	MHX, LLC	9/29/2021	1/28/2028	7/28/2029	\$569,275.00	\$0.00	Deploy One Zero-Emission Overhead Crane	\$569,275.00	No
MS21015	Premium Transportation Services, In	9/22/2021	5/21/2027	1/2/2028	\$1,500,000.00	\$1,334,758.50	Deploy up to 15 Near-Zero Emissions Truck	\$165,241.50	No
MS21016	Ryder Integrated Logistics, Inc.	12/7/2022	4/6/2029		\$3,169,746.00	\$0.00	Procure Two Integrated Power Centers and	\$3,169,746.00	No
MS21018	Pac Anchor Transportation, Inc.	8/17/2021	8/16/2027	8/16/2028	\$2,100,000.00	\$1,890,000.00	Deploy up to 21 Near Zero Emission Trucks	\$210,000.00	No
MS21019	Volvo Financial Services	3/31/2022	3/30/2030	12/30/2030	\$3,930,270.00	\$2,095,869.15	Lease up to 14 Zero-Emission Trucks and P	\$1,834,400.85	No
MS21023	BNSF Railway Company	4/22/2022	4/21/2028	4/21/2029	\$1,313,100.00	\$0.00	Install EV Charging Infrastructure	\$1,313,100.00	No

Total: 10

Declined/Cancelled Contracts

MS21008	CMA CGM (America) LLC				\$3,000,000.00	\$0.00	Deploy 2 Zero-Emission Rubber Tire Gantry	\$3,000,000.00	No
MS21011	RDS Logistics Group	1/21/2022	7/20/2028		\$808,500.00	\$0.00	Deploy 3 Zero-Emission Yard Tractors and	\$808,500.00	No
MS21012	Amazon Logistics, Inc.				\$4,157,710.00	\$0.00	Deploy up to 10 Zero-Emission and 100 Nea	\$4,157,710.00	No
MS21020	Sea-Logix, LLC				\$2,300,000.00	\$0.00	Deploy up to 23 Near-Zero Emssions Trucks	\$2,300,000.00	No
MS21021	CMA CGM (America) LLC				\$1,946,463.00	\$0.00	Deploy up to 13 Near Zero Emission Trucks	\$1,946,463.00	No
MS21022	Orange County Transportation Autho				\$289,054.00	\$0.00	Implement Special Transit Service to the Or	\$289,054.00	No

Total: 6

Closed Contracts

MS21001	Los Angeles County MTA	8/30/2019	7/29/2020		\$613,752.87	\$613,752.87	Implement Special Transit Service to Dodge	\$0.00	Yes
MS21003	Orange County Transportation Autho	7/8/2020	5/31/2021		\$468,298.00	\$241,150.48	Provide Express Bus Service to the Orange	\$227,147.52	Yes
MS21004	Los Angeles County MTA	1/7/2021	5/31/2023		\$814,822.00	\$326,899.00	Clean Fuel Bus Service to Dodger Stadium	\$487,923.00	Yes

Total: 3

Open/Complete Contracts

MS21007	Penske Truck Leasing Co., L.P.	4/1/2022	3/31/2028		\$957,813.00	\$957,812.40	Deploy 5 Zero-Emission Yard Tractors	\$0.60	Yes
MS21013	4 Gen Logistics	3/27/2022	5/26/2028		\$7,000,000.00	\$7,000,000.00	Deploy 40 Zero Emission Trucks	\$0.00	Yes
MS21014	Green Fleet Systems, LLC	8/31/2021	8/30/2027	8/30/2028	\$300,000.00	\$300,000.00	Deploy up to 3 Near Zero Emission Trucks	\$0.00	Yes
MS21017	MHX, LLC	9/29/2021	9/28/2030		\$1,900,000.00	\$1,900,000.00	Deploy up to 10 Zero-Emission Trucks & Infr	\$0.00	No
MS21025	Costco Wholesale Corporation	12/9/2022	12/8/2028		\$160,000.00	\$160,000.00	Install Five EV Charging Units	\$0.00	Yes

Total: 5

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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FY 2021-2024 Contracts

Open Contracts

MS24001	Los Angeles County MTA	1/26/2023	5/31/2028		\$1,200,248.00	\$0.00	Provide Clean Fuel Bus Service to Dodger S	\$1,200,248.00	No
MS24002	South Pasadena Police Department	1/16/2024	5/15/2030		\$499,789.00	\$0.00	Procure Zero-Emission Vehicles and Infrastr	\$499,789.00	No
MS24003	Omnitrans	4/15/2024	10/30/2025		\$315,278.00	\$0.00	Bloomington Microtransit Service Expansion	\$315,278.00	No
MS24004	City of Seal Beach	12/21/2023	9/30/2025		\$162,891.00	\$0.00	Circuit Transit Shared Mobility	\$162,891.00	No
MS24005	City of Huntington Beach	7/1/2024	9/1/2026		\$279,186.00	\$0.00	Circuit Transit Rideshare Program	\$279,186.00	No
MS24006	Anaheim Transportation Network	10/12/2023	5/31/2025		\$322,000.00	\$0.00	Old Towne Orange Microtransit Service	\$322,000.00	No
MS24007	City of Gardena	6/12/2024	8/31/2026		\$424,134.00	\$0.00	Gtrans Microtransit Service	\$424,134.00	No
MS24008	City of Long Beach	3/19/2024	1/31/2026		\$410,734.00	\$0.00	Circuit Transit Mobility Transit Expansion Pr	\$410,734.00	No

Total: 8

Pending Execution Contracts

MS24010	Penske Truck Leasing Co., L.P.				\$17,980,000.00	\$0.00	Partner on Application to Install EV Charging	\$17,980,000.00	No
MS24011	Southern California Gas Company				\$6,000,000.00	\$0.00	Partner on Application to Install Hydrogen F	\$6,000,000.00	No
MS24012	Pilot Travel Center, LLC				\$3,000,000.00	\$0.00	Partner on Application to Install Hydrogen F	\$3,000,000.00	No
MS24013	Los Angeles Cleantech Incubator				\$3,000,000.00	\$0.00	Implement Drayage Truck Recharging Facilit	\$3,000,000.00	No
MS24999	Prologis Mobility				\$11,679,171.00	\$0.00	Implement EV Charging and Hydrogen Refu	\$11,679,171.00	No

Total: 5



AB2766 Discretionary Fund Program Invoices

8/29/2024 to 9/25/2024

Contract Admin.	MSRC Chair	MSRC Liaison	Finance	Contract #	Contractor	Invoice #	Amount
<i>2016-2018 Work Program</i>							
9/18/2024	9/19/2024			ML18186	City of Paramount	SCAQMD01	\$36,484.50
9/10/2024	9/10/2024	9/10/2024	9/19/2024	ML18031	City of Diamond Bar	11212023	\$20,000.00
Total: \$56,484.50							
<i>2018-2021 Work Program</i>							
9/10/2024	9/10/2024	9/19/2024	9/20/2024	MS21006	Geographics	24-23831	\$33.00
9/10/2024	9/10/2024	9/19/2024	9/20/2024	MS21006	Geographics	24-23799	\$373.00
8/30/2024	9/5/2024	9/12/2024	9/19/2024	MS21002	Better World Group Advisors	WG-MSRC5	\$5,331.86
9/18/2024	9/19/2024			MS21005	Southern California Association of Governments	21005C-06R	\$70,000.00
9/18/2024	9/19/2024			MS21005	Southern California Association of Governments	21005C-05R	\$70,000.00

Total: \$145,737.86

Total This Period: \$202,222.36

9/25/2024



2012-14 AB2766 Contract Progress Reports

Cont#	Contractor	Start Date	Original	Amended	Reporting	May	Jun	Jul	Aug	Sep	Oct
			End Date	End Date							
Open Contracts											
MS14057	Los Angeles County MTA (AR)	11/07/14	10/06/19	10/31/26	Quarterly					09/12/24	

1

Legend: W.L. = Warning Letter Sent

2014-16 AB2766 Contract Progress Reports

Cont#	Contractor	Start Date	Original	Amended	Reporting	May	Jun	Jul	Aug	Sep	Oct
			End Date	End Date							
Open Contracts											
ML16047	City of Fontana (AR)	01/06/17	08/05/19	08/05/25	Quarterly					09/03/24	
ML16075	City of San Fernando (SE)	10/27/16	02/26/19	12/26/24	Quarterly	05/22/24					
ML16077	City of Rialto (SE)	05/03/18	10/02/21	02/02/26	Quarterly		Waiting for FR				
MS16121	Long Beach Transit (SE)	11/03/17	04/02/24	11/30/28	Quarterly			FR			

4

Legend: WL = Warning Letter Sent
FR = Final Report



9/25/2024

2016-18 AB2766 Contract Progress Reports

Cont#	Contractor	Start Date	Original End Date	Amended End Date	Reporting	May	Jun	Jul	Aug	Sep	Oct
Open Contracts											
ML18050	City of Irvine (se)	09/07/18	08/06/23		Quarterly					09/11/24	
ML18051	City of Rancho Cucamonga (se)	03/01/19	10/31/25	04/30/27	Quarterly				08/29/24		
ML18055	City of Long Beach (se)	11/29/18	11/28/26		Quarterly					09/20/24	
ML18057	City of Carson (AR)	10/05/18	07/04/23	12/15/26	Quarterly					09/12/24	
ML18060	County of Los Angeles Internal Services Dept (se)	10/05/18	08/04/26	08/04/28	Quarterly					WL	
ML18063	City of Riverside (se)	06/07/19	01/06/27	03/06/28	Quarterly			07/23/24			
ML18067	City of Pico Rivera (AR)	09/07/18	11/06/22	12/06/27	Quarterly		06/07/24				
ML18068	City of Mission Viejo (se)	07/31/19	06/30/27		Quarterly			07/09/24			
ML18069	City of Torrance (se)	03/01/19	07/31/27		Quarterly					WL	
ML18078	County of Riverside (se)	10/05/18	10/04/28		Quarterly				08/15/24		
ML18082	City of Los Angeles (se)	08/30/19	08/29/28	08/29/29	Quarterly			07/05/24			
ML18092	City of South Pasadena (se)	02/01/19	01/31/25	04/30/27	Quarterly						
ML18094	City of Laguna Woods (AR)	07/12/19	12/11/24		Quarterly		06/04/24				
ML18134	City of Los Angeles (se)	05/03/19	05/02/28		Quarterly	05/22/24				WL	
ML18135	City of Azusa (AR)	12/06/19	12/05/29		Quarterly	05/08/24				09/24/24	
ML18145	City of Los Angeles (se)	01/10/20	04/09/27	04/09/28	Quarterly						
ML18146	City of South Gate (se)	03/01/19	11/30/23	11/30/26	Quarterly						
ML18147	City of Palm Springs (se)	01/10/19	01/09/24	07/09/26	Quarterly				08/15/24		
ML18148	City of San Dimas (AR)	01/21/22	05/20/23	08/20/24	Quarterly						
ML18151	County of San Bernardino Department of Public Works (AR)	08/25/20	10/24/29		Quarterly			WL			
ML18152	County of San Bernardino Flood Control District(AR)	08/11/20	10/10/29		Quarterly			WL			
ML18166	City of Placentia (AR)	02/18/21	05/17/27		Quarterly	WL					
ML18178	City of La Puente	11/01/19	11/30/25	11/30/28	Quarterly						
ML18185	City of Wildomar(AR)	10/19/23	10/18/24		Quarterly			WL			
MS18024	Riverside County Transportation Commission(AR)	06/28/18	08/27/21	08/31/24	Quarterly						
MS18106	R.F. Dickson Co.(AR)	07/19/19	01/18/26		Quarterly						
MS18181	San Bernardino County Transportation Authority(AR)	04/10/23	09/09/30		Quarterly			WL			
MS18182	Air Products and Chemicals Inc. (se)	03/08/23	02/07/31		Quarterly					WL	

Legend: WL = Warning Letter Sent



9/25/2024

2018-21 AB2766 Contract Progress Reports

Cont#	Contractor	Original		Amended	Reporting	May	Jun	Jul	Aug	Sep	Oct
		Start Date	End Date	End Date							
Open Contracts											
MS21005	Southern California Association of Gov'ts	05/05/21	01/31/24	07/31/25	Quarterly		07/26/24				
MS21009	ITS Technologies & Logistics, LLC (se)	07/15/22	07/14/28		Quarterly				08/23/24		
MS21010	MHX, LLC	09/29/21	01/28/28	07/28/29	Quarterly			08/16/24			
MS21015	Premium Transportation Services, Inc. (se)	09/22/21	05/21/27	01/02/28	Quarterly					NOB	
MS21016	Ryder Integrated Logistics, Inc.	12/07/22	04/06/29		Quarterly						
MS21018	Pac Anchor Transportation, Inc. (se)	08/17/21	08/16/27	08/16/28	Quarterly			Waiting for FR			
MS21019	Volvo Financial Services (se)	03/31/22	03/30/30		Quarterly			06/30/24			
MS21023	BNSF Railway Company (se)	04/22/22	04/21/28	04/21/29	Quarterly			08/21/24			

8

Legend: WL = Warning Letter Sent
FR = Final Report
NOB = Notice of Breach



9/25/2024

2021-24 AB2766 Contract Progress Reports

Cont#	Contractor	Original		Amended	Reporting	May	Jun	Jul	Aug	Sep	Oct
		Start Date	End Date	End Date							
Open Contracts											
MS24001	Los Angeles County MTA (AR)	01/26/24	05/31/28		Quarterly						
MS24002	City of South Pasadena (AR)	01/16/24	05/15/30		Quarterly			07/05/24			
MS24003	Omnitrans (AR)	04/14/24	10/30/25		Quarterly			08/12/24			
MS24004	City of Seal Beach (se)	12/21/23	09/30/25		Quarterly			08/12/24			
MS24005	City of Huntington Beach (se)	07/01/24	09/01/26		Quarterly						
MS24006	Anaheim Transportation Network (se)	10/12/23	05/31/25		Quarterly			08/02/24			
MS24007	City of Gardena (AR)	06/12/24	06/30/26		Quarterly						
MS24008	City of Long Beach (se)	03/19/24	01/31/26		Quarterly					WL	

Total: 8

Legend: WL = Warning Letter Sent

Agenda Item #4

Financial Report on AB 2766 Discretionary Fund

AB 2766 Discretionary Fund
Financial Report - August 2024

Available Funding (a)		\$	79,219,072
Less Awards by Work Program: (b)			
FY 2018-21	-		
FY 2021-24	(41,659,171)		
Total Awards by Work Program:		\$	(41,659,171)
Less Balance of FY 2018-21 and FY 2021-24 Work Programs (funding not yet awarded)		\$	-
Sub-total - Surplus/(Deficit)		\$	37,559,901
Estimated Revenue (d)		\$	-
Estimated Available		\$	<u>37,559,901</u>

Notes:

- (a) Cash less: open commitments on executed contracts, balance on administrative budget and \$500,000 reserve.
- (b) Information provided by MSRC contracts staff. (Awards = Board approved contracts pending execution)
- (c) FY 18-21 & FY 21-24 Work Program Summary:

FY 2018-21 Work Program	Total	Executed Contracts	Awarded	Balance
Major Event Center Transportation Program	\$ 4,134,027	\$ 4,134,027	\$ -	\$ -
MSRC Website Hosting & Maintenance	\$ 20,952	\$ 20,952	\$ -	\$ -
Natural Gas Infrastructure Program	\$ 1,012,772	\$ 1,012,772	\$ -	\$ -
Programmatic Outreach Coordinator (MS16030 modification)	\$ 15,000	\$ 15,000	\$ -	\$ -
Programmatic Outreach Coordinator	\$ 265,079	\$ 265,079	\$ -	\$ -
Technical Advisor - Work Program Portion	\$ 272,475	\$ 272,475	\$ -	\$ -
Market Acceleration Program	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -
VIP Plus Up Incentive Program	\$ 695,000	\$ 695,000	\$ -	\$ -
Regional Goods Movement Program	\$ 16,751,000	\$ 16,751,000	\$ -	\$ -
Inland Ports Zero and Near-Zero Emission Trucking	\$ 20,300,016	\$ 20,300,016	\$ -	\$ -
Inland Ports Zero and Near-Zero Emission Cargo Handling	\$ 5,537,775	\$ 5,537,775	\$ -	\$ -
Zero-Emission Drayage Truck and Infrastructure Pilot Project	\$ 8,000,000	\$ 8,000,000	\$ -	\$ -
Hydrogen Infrastructure Projects	\$ 662,000	\$ 662,000	\$ -	\$ -
FY 2018-21 Totals	\$ 58,666,096	\$ 58,666,096	\$ -	\$ -

FY 2021-24 Work Program	Total	Executed Contracts	Awarded	Balance
Technical Advisor - Work Program Portion	\$ 379,673	\$ 379,673	\$ -	\$ -
Major Event Center Transportation Program	\$ 1,200,248	\$ 1,200,248	\$ -	\$ -
Transformative Transportation Strategies & Mobility Solutions	\$ 499,789	\$ 499,789	\$ -	\$ -
Programmatic Outreach Coordinator (MS21002 modification)	\$ 183,100	\$ 183,100	\$ -	\$ -
MSRC Website Hosting & Maintenance (MS21006 modification)	\$ 7,200	\$ 7,200	\$ -	\$ -
Microtransit Operations	\$ 1,914,223	\$ 1,914,223	\$ -	\$ -
Publicly Accessible Goods Movement Zero-Emission Infrastructure	\$ 41,659,171	\$ -	\$ 41,659,171	\$ -
Advanced Technology Demonstration and Pilot Projects	\$ -	\$ -	\$ -	\$ -
FY 2021-24 Totals	\$ 45,843,404	\$ 4,184,233	\$ 41,659,171	\$ -

- (d) Annual estimated revenue for outyears is projected to be \$16.5 million per year based on FY 2022-23 revenue. Any change to Health & Safety Code 44243 could affect future revenue.

Agenda Item #5

Report on Outreach Activities

Memorandum

To: MSRC Technical Advisory Committee

From: Ruben Aronin, Principal
Sam Emmersen, Associate Principal
Better World Group

Date: September 24, 2024

Re: Summer 2024 – Quarterly Report on Outreach Activities

Better World Group (BWG) is pleased to provide the TAC with this report on outreach, communications, and policy activities that we have undertaken on behalf of the MSRC during the last two months, as well as an overview of some of the activities we anticipate conducting over the next three months.

Task 2 – Outreach and Promotion of MSRC Work Program Achievements

- On July 29, BWG staffed Chair McCallon at the City of South Pasadena’s event that unveiled its new zero-emission police fleet. In preparation for the event, we participated in several event planning calls, reviewed and updated all press materials to ensure that the MSRC was properly acknowledged, designed a display for the event depicting MSRC-funded projects, and drafted talking points for the Chair. At the event, we served as the liaison between the Chair and members of the press, as well as helped facilitate introductions with him and some of the dignitaries that participated in the event.
 - The event received a great deal of media coverage:
 - [“Get Ready for Tesla Cops,”](#) The Atlantic, August 15, 2024
 - [“Electric Police Fleet Another Step to Clean Air,”](#) The South Pasadenan, August 4, 2024
 - [“USA’s 1st All-Electric Police Fleet,”](#) CleanTechnica, August 1, 2024
 - [“South Pasadena Police Go Fully Electric,”](#) EV Magazine, August 1, 2024
 - [“In National First, South Pasadena Police Cars Go All Electric,”](#) California City News, July 30, 2024
 - [“South Pasadena Police Department Now Only Drives Electric,”](#) Electrive, July 30, 2024
 - [“First All-Electric Police Fleet Coming to California,”](#) Green Car Reports, July 30, 2024
 - [“California Police Lead Charge with Tesla Fleet to Reduce Global Warming and Save Money,”](#) MSN, July 30, 2024

- [“California City Becomes First in America to Replace Entire Police Fleet with Electronic Teslas,”](#) The Mirror US, July 30, 2024
 - [“South Pasadena Launches Nation’s First All-Electric Police Fleet,”](#) Autoua, July 30, 2024
 - [“South Pasadena Launches All-Electric Police Fleet,”](#) The EV Report, July 29, 2024
 - [“California City Becomes First in U.S. with Fully Electric Police Fleet,”](#) NGT News, July 29, 2024
 - [“South Pasadena Police Department Switches to All-Electric Fleet with 20 Teslas,”](#) CBS 2 News, July 29, 2024
 - [“South Pasadena Unveils Country’s First All-Electric Police Fleet,”](#) NBC 4 News, July 29, 2024
- We wrote and published the September edition of the [Clean Air Roadmap](#) e-newsletter featuring:
 - The MSRC and San Pedro Bay Ports partnership
 - Highlights from the City of South Pasadena’s event to unveil its first-in-the-nation all-electric police fleet
 - The MSRC and Metro joint RFI for potential partners and projects for truck charging or hydrogen refueling infrastructure along the Long Beach to East Los Angeles Trade Corridor
 - Facts-at-a-Glance: 1 in 6 new trucks, buses, and vans sold in California are zero-emission
- We updated the MSRC’s [Facebook](#) page with links to news and relevant stories and disseminated messages on [X](#).

Task 3 – Development and Dissemination of Marketing/Promotional Materials

- For the MSRC’s Request for Information (RFI) opportunity for zero-emission infrastructure for trucks along the Long Beach-East Los Angeles Corridor, we developed an outreach email to help promote the RFI. We coordinated with LACI to have them send the RFI to their Transportation Electrification Partnership (TEP) network and we sent the RFI to several of BWG’s clean transportation listservs that we manage. We also posted the RFI on the MSRC’s Facebook and X pages.
- BWG developed sample social media messaging for TAC and MSRC members to help promote the MSRC’s September electronic newsletter.

- **X Message 1:**

Launch into Fall with new reading: the latest @cleantranspfund E-news is here!

See the MSRC & San Pedro Bay Ports partnership, RFI for infrast. partners/projects on the LB-ELA Corridor, and South Pas’ all-EV police fleet 🚚

Learn more: <https://bit.ly/3o831Ax>

- **X Message 2:**
Stop the (digital) presses! The @cleantranspfund E-news is now available

Learn more about the MSRC & San Pedro Bay Ports Partnership, RFI for infrast. partners/projects on the LB-ELA Corridor, and South Pas' all-EV police fleet 🚚

Read more: <https://bit.ly/3o831Ax>

Task 4 – Participation in Meetings and Events

- Facilitated bi-monthly check-in calls with Cynthia Ravenstein and participated in monthly MSRC meetings via Zoom.
- Participated in monthly CARB/NGOs call re: state regulatory policy updates.
- Participated in monthly Green CA calls re: state legislative and regulatory policies.
- Attended monthly South Coast AQMD Legislative Committee meetings via Zoom.

Task 5 – Strategic Market Direction for MSRC Work Programs

- Tracked all relevant state and federal regulatory, legislative, funding, research, and other news in the [September](#) *Clean Transportation Policy Update*.

October - December Anticipated Activity Highlights and Opportunities

- Develop the November *Clean Air Roadmap* e-newsletter
- Celebrate and promote the MSRC's participation in California Clean Air Day
- Work with interested MSRC TAC and Members to participate in social media promotion of MSRC activities
- Work with the MSRC staff to help prepare for the development of the new FY 2025-2027 Work Program
- Track state legislative and regulatory priorities including clean transportation funding initiatives

Agenda Item #6

Review Draft RFP for MSRC Website Hosting, Maintenance and Modifications



Clean Transportation Funding

from the MSRC

Mobile Source Air Pollution Reduction Review Committee

Hosting, Maintenance and Modification of the MSRC Website

www.CleanTransportationFunding.org

Request for Proposals

P2025-XX

November 1, 2024

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SECTION 1 – Solicitation Overview

I.A. Introduction

The Mobile Source Air Pollution Reduction Review Committee (MSRC) requests proposals from qualified website providers to assist in the hosting, maintenance, and minor modification of the MSRC's website. For the purpose of this solicitation, the terms "bidder", "contractor" and "website developer" are used interchangeably.

To reduce the need to photocopy, package, and physically submit paper applications, the solicitation requires that proposals be submitted electronically in PDF format using the MSRC website. We believe this benefits the proposer, the MSRC staff, and the environment.

I.B. Background

The Mobile Source Air Pollution Reduction Review Committee, or "MSRC", is responsible for funding transportation projects that reduce air pollution in Southern California. The MSRC was created in 1990 by the California State Legislature as part of Assembly Bill (AB) 2766, which authorizes the Department of Motor Vehicles to collect a \$4 surcharge on vehicle registration fees. Under AB 2766, the MSRC receives 30% of the surcharge as part of a Discretionary Fund to support projects that reduce pollution from mobile sources, such as cars, trucks, and buses. The Discretionary Fund has an annual budget of approximately \$15 million.

In 1999, the MSRC contracted with a website development firm for the design, development, activation, testing, hosting, and maintenance of its first website. Located under the domain name www.msrc-cleanair.org, the MSRC used this site as a medium to disseminate both time sensitive and historical information to current MSRC contractors, prospective project applicants, and other interested parties. The website was developed and ultimately launched in July 2000. In 2005, the MSRC contracted with a website development firm to develop a successor website which incorporated most of the features of the original plus substantial new functionality. Similar processes occurred in 2011 and 2016. A few upgrades have been made in the ensuing years, but essentially this is the current MSRC website located under the domain name www.CleanTransportationFunding.org. Key features of the current website include:

- Ability for the public to download current solicitation documents in either Microsoft Word and PDF format;
- A key-word searchable library containing summaries of MSRC-funded projects, photos and final reports for many projects;
- Current MSRC and MSRC-Technical Advisory Committee (MSRC-TAC) meeting agendas and archives of past meeting agendas and minutes;
- Current and past MSRC articles and press releases;
- History of the MSRC, related statutes and list of current MSRC and MSRC-TAC members;
- A subscription system by which interested parties can sign up to receive e-mail notifications of solicitations, agendas, and news articles, as well as a related system to assemble and distribute an electronic newsletter;

- An interface for MSRC contractors to download guidance documents and templates; and
- Ability to submit applications and proposals online.

Furthermore, much of the current website’s content is able to be added, deleted or modified by MSRC staff without assistance of the website contractor.

The current website has served the MSRC well for eight years. The MSRC does not necessarily see a need for a major overhaul of the website at the present time, but the current contract for hosting and maintenance of the site is approaching a close. Therefore, the purpose of this Request for Proposals (RFP) is to solicit qualified firms to submit proposals in accordance with requirements specified herein for the uninterrupted continued hosting and maintenance of the MSRC website, including future minor modifications to the website. As a point of reference, in recent years the MSRC has expended approximately \$10,000 per two-year period for these types of costs.

Although the MSRC does not envision a need to overhaul the website significantly, it is always possible that a need for more substantive modifications will be identified during the course of the contract. For example, the MSRC is currently investigating the potential of changing their mechanism for managing posting of solicitations and receipt of responses to solicitations. If such a decision is made, moderate website revisions would be necessary. Bidders are asked to provide assurance of their capability and willingness to perform moderate levels of modification and their rates for such work. If such a modification is needed, a task-specific quote would be sought and if approved by MSRC and the South Coast AQMD Board, a contract modification would be processed.

I.C. Schedule of Events

This solicitation will be conducted in accordance with the timeline illustrated in Table I, below. Proposals may be submitted at any time during the period commencing November 1, 2024 and ending December 3, 2024. *Please note that proposals must be received no later than 5:00 p.m. on December 3, 2024.*

Table I - Key Procurement Events & Dates

MSRC Website Development Key Procurement Events	Date
Request for Proposals Release	November 1, 2024
Optional Bidders’ Conference, 1:30 p.m. via video conference	November 20, 2024
Latest Date and Time to Submit Proposal	December 3, 2024 @ 5:00 pm
Proposal Evaluation Period	December 4-10, 2024
Interviews/Oral Presentations of Short-Listed Bidders	Week of December 16, 2024*
Contractor Selection Review & Approval by MSRC-TAC	January 9, 2025
Contractor Selection Review & Approval by MSRC	January 16, 2025
South Coast AQMD Governing Board Approval	February 7, 2025
Contract Execution/Authority to Proceed	March 28, 2025

*Tentative

I.D. Optional Bidders' Conference

An optional Bidders' Conference for the MSRC Website Hosting and Maintenance RFP will be held on Wednesday, November 20, 2024. This will be the best opportunity to discuss and clarify any questions Bidders may have regarding the RFP directly with MSRC staff. The purpose of the conference is to provide new or updated solicitation information, provide clarification regarding this RFP, and answer general questions regarding proposal preparation. The location and time for the Bidders' Conference is as follows:

Time: 1:30 p.m. – 2:30 p.m.
Zoom Webinar ID: XXXXXXXX (applies to all)
Teleconference Dial In: +1 XXXXXXXX

In addition, MSRC staff members are available to answer questions and provide guidance as appropriate during the proposal preparation period. Please refer to Section I.E. of this document for a list of MSRC Staff contacts.

I.E. If You Need Help

This RFP can be obtained by accessing the MSRC website at www.CleanTransportationFunding.org. MSRC staff members are available to answer questions during the proposal acceptance period. In order to help expedite assistance, please direct your inquiries to the applicable staff person, as follows:

- For **General and Administrative Assistance**, please contact:
Cynthia Ravenstein
MSRC Contracts Administrator
Phone: 909-396-3269
E-mail: Cynthia@CleanTransportationFunding.org
- For **Technical Assistance**, please contact:
Ray Gorski
MSRC Technical Advisor
Phone: 909-396-2479
E-mail: Ray@CleanTransportationFunding.org
- For **Contractual Assistance**, please contact:
Dean Hughbanks
South Coast AQMD Procurement Manager
Phone: 909-396-2808
E-mail: dhughbanks@aqmd.gov

I.F. Addenda

The MSRC may issue supplementary information or guidelines relative to this RFP during the proposal preparation period of November 1 to December 3, 2024.

Please note that the source of MSRC **Clean Transportation Funding**[™] is motor vehicle registration fees collected by the California Department of Motor Vehicles (DMV) in accordance with the California Health and Safety Code. Thus, the availability of MSRC **Clean Transportation Funding**[™] is contingent

upon the timely receipt of funds from the DMV. Neither the MSRC nor South Coast AQMD can guarantee the collection or remittance of registration fees by the DMV.

SECTION II: Statement of Work

II.A. Contractor Minimum Qualifications

Bidders responding to this solicitation must show evidence of at least four (4) years related experience, including serving as prime contractor for the ongoing hosting and maintenance of a minimum of ten (10) websites, at least two (2) of which are for public agencies. Bidder must have demonstrated expertise in art direction, writing, programming, systems administration, database design, and multimedia programming. Contractor must be willing to work closely with MSRC-TAC members and MSRC/South Coast AQMD staff on a continuing basis throughout the course of the contract term (see II.B. below regarding term).

All proposals must contain the following information:

1. A thorough description of how the Bidder satisfies the requirements listed under Section II.A, Designer/Contractor Minimum Qualifications;
2. A description demonstrating how the Bidder will fulfill items listed under Sections II.B, Performance Requirements and II.C., Description of MSRC Website Requirements and Content;
3. Key personnel and reporting structure, including resumes or background descriptions of all key personnel to be assigned to this project;
4. Information on work similar to the MSRC Website Hosting and Maintenance project completed by Bidder over the past four (4) years. A minimum of three (3) complete references must be submitted, including domain names for websites hosted and maintained by the Bidder;
5. A list of work to be subcontracted by the Bidder to fulfill the items listed under Section II, Statement of Work. Information on subcontractor qualifications must also be included in the proposal submission, including resumes of individuals supporting the work effort in a subcontractor capacity;
6. A summary of the approach the Bidder will use to work with MSRC-TAC members and MSRC/South Coast AQMD staff to ensure project communications will be conducted efficiently and that project milestones will be met.

II.B. Performance Requirements

1. Period of Performance - The period of performance will commence on the date the contract is signed by all parties and extend for two (2) full years. The contract may be extended, or successor contract let, for an additional two-year option, upon agreement by both parties.
2. Delivery Deadlines - Deadlines shall be negotiated with the successful bidder prior to contract execution.

II.C. Description of MSRC Website Requirements & Content

The following Sections describe the minimum requirements to be implemented within the Statement of Work covered by this RFP.

1. Website Hosting and Maintenance

The Bidder shall describe their ability to host the website and their customer support services in detail. It is important for MSRC staff to be able to update most website content without contacting the contractor; explain how your proposal will satisfy this requirement. Bidder is expected to provide website hosting with bandwidth as needed, security, backups, and adequate storage. Maintenance shall include 24/7 monitoring for rapid response in the event of a system or hardware failure, all security updates applied as they become available, and corrections applied to maintain proper functionality of existing features. It is anticipated that hosting and minor maintenance, backup, and recovery, would be covered under a set monthly fee.

The Bidder shall also describe their plan for managing the transition of website domain, website content/data and any anticipated downtime for this process.

The MSRC is requiring Bidders to specify the hosting approach, and to include any necessary hardware as part of their proposals. Any software licensing costs, domain registrations, browser upgrades, and their renewals where applicable, must also be included for the term of the maintenance period. Hardware, including any hardware provided out of the selected Bidder's existing inventory, will become property of the MSRC.

2. Website Modifications

On an as-needed basis, the Contractor may be asked to make minor modifications to the existing website. Some examples include adding/deleting authorized users, posting forms, or adding a subsection to existing page. Hourly rates for on-call services shall be clearly detailed and any terms and conditions that may apply should be fully disclosed.

3. Technical Environment

Please refer to Attachment A for a description of the current website configuration. It is the MSRC's requirement that the existing website remain fully operational during transition.

4. Software Ownership Rights/Confidentiality

The Bidder shall be required to agree and shall provide a written statement specifying that all rights, title and interest in work product developed under this project, including but not limited to website software, source code, documentation, reports, files, and all derivative works thereof, shall remain with MSRC/South Coast AQMD. This shall include work product developed by Bidder/Contractor and its employees, subcontractors and agents. The Bidder shall be required to agree that any and all work product shall be deemed to be works made for hire within the meaning of the copyright laws of the U.S. and that MSRC/South Coast AQMD shall own all rights, including, but not limited to, all copyright rights, in and to such Work Product. Bidder shall be required to warrant that any Work Product produced will be original work and will not infringe upon or violate any rights, including any patent, copyright, trademark or trade secret of any person or entity. Furthermore, all software source codes, graphic elements, and any other intellectual property associated with the website shall be provided to the MSRC within one month of activation (after it is live and accepted by the MSRC), and any updates or changes will be provided to the MSRC at the end of the contract term.

The Bidder shall also acknowledge that all information and graphic materials provided to the Bidder by MSRC/South Coast AQMD for use in development and incorporation into the Project is confidential. The Bidder shall agree not to use any MSRC information or graphic materials for the Bidder's own

benefit, or divulge, disclose, or communicate in any manner said items to any third party without the prior written consent of the MSRC.

SECTION III: Proposal Preparation & Submission

A proposal must be completed and electronically submitted in response to this RFP. Only proposals that follow the instructions within this RFP will be reviewed and evaluated. The following instructions are intended to assist the Bidder in preparing a proposal for consideration under this RFP.

In general the Proposal should be concise, well organized and demonstrate the Bidder's qualifications and experience applicable to the Project

Proposals are to reflect and/or include the following elements, in the following order:

III.A. Proposal Preparation Instructions

1. Cover Letter - Transmittal of the proposal must specify the subject of the proposal, the RFP number, and Bidder's name, address, e-mail address, and telephone number. The letter shall specify contact person(s) for technical and contractual matters, and be signed by the person(s) authorized to contractually bind the bidding entity. For joint venture proposals, the Bidder must include a statement confirming authorization to act on behalf of all co-bidders. The Bidder must include a letter of confirmation from all proposing entities of a joint proposal including project contact name and all other information as required of the Bidder.
2. Project Description and Statement of Work – This section comprises the body of the proposal. The Bidder should describe their project concept in detail, addressing all project requirements as specified in RFP Sections II.A., II.B., and II.C., above. Bidders should place special emphasis on the following key proposal elements:
 - a) Website Hosting and Maintenance – Describe in detail the proposed methodology for website administration, including program documentation and reporting, and website maintenance;
 - b) Bidder Qualifications – The Bidder shall fully describe their firm's qualifications and experience in performing the type of work as described in Section II.A. of this RFP. If subcontractors are being used or the proposal is being submitted by a team of firms, a full description of each participating firm should be included. All key personnel are to be identified and resumes provided as part of any proposal submitted;
 - c) Related Work - The Bidder shall list at least three (3) successfully completed projects of a similar nature to that described in this RFP for the design and activation of a website. Submit only those projects in which the Bidder served as the lead Contractor. Provide a brief description of the work performed, note what elements of the desired MSRC site are exemplified therein, and include the organization's name, project contact name, telephone numbers, value of the contract, and website address. The website references will be assessed as part of the evaluation process.
3. Schedule - This section shall identify anticipated dates of completion of all tasks specified in the Project Description and Statement of Work.
4. Project Organization - This section shall describe the organization proposed to implement the project. This shall include assigned personnel, all subcontractors and their related tasks and responsibilities, clearly detailed.

5. Conflict of Interest - Address any possible conflicts of interest with other clients affected by actions performed by the firm on behalf of the MSRC. Although the Bidder will not be automatically disqualified by reason of work performed for such firms, the MSRC reserves the right to consider the nature and extent of such work in evaluating the proposal.
6. Cost Proposal – shall be broken down as follows:
 - a) Line-Item Budget - The Line-Item Budget shall detail the following cost components for initial two-year contract term for the Bidder and any subcontractors for the Project:
 - i. Labor - Identify each professional category of direct project support, the number of hours for each, and the fully burdened rate per hour. The rates quoted must include labor, general, administrative, and overhead costs;
 - ii. Equipment and Supplies - Provide an itemized list of equipment to be used and/or purchased, including the manufacturer, number of each, and the unit cost. **Please note that all equipment purchased in fulfillment of this contact will remain the property of the South Coast AQMD;**
 - iii. Subcontractor Costs - Identify any subcontractors by name, the basis for the subcontractor's selection, and describe in detail the work the subcontractors will be hired to perform, list their cost per hour or per day, and the number of hours or days their services will be used and the related tasks;
 - iv. Miscellaneous Costs - if any.
 - b) Maintenance & Minor Modification Costs – proposal for continuing the MSRC Website hosting, maintenance and minor modifications for an additional two-year option period. The cost breakdown for the priced option should include all costs included with website hosting and minor maintenance, on a line-item basis as defined above.
 - c) Moderate Modification Costs – as referenced in Section I.B., the MSRC may determine that more substantial modifications are needed. If not already included in the above, provide fully burdened rates for this work.

Consider the following when preparing the cost schedules:

- Charges for supplies, equipment, and subcontractors will be paid at cost. No profit will be paid on these costs;
- The Bidder must warrant that the cost proposal will remain in effect for at least 90 days and state such in this section;
- Costs are reimbursed on an as-incurred basis only; describe billing procedures for the project and how costs will be documented for invoicing the MSRC for reimbursement of expenditures;
- The Bidder is required to certify as part of their proposal submission that the prime contractor and subcontractor rates contained in the proposal are no higher than the rates offered to the prime or subcontractor's most-favored customer;
- Identify all subcontractors by name, and include their hourly or daily rate of compensation and the number of hours or days their services will be utilized. If subcontractors are not yet identified, provide an estimate of their rates of compensation and number of hours or days the subcontractors' services will be utilized.

7. Certifications – All applicants must complete and submit the following forms, located in Attachment B, as elements of their Application:
 - a) W-9 Form and Form 590
 - b) Campaign Contribution Disclosure Form
 - c) Business Status Certifications Form

III.B Proposal Submittal Instructions

1. Format – The sections described above, including certifications, are to be compiled into a **single PDF document** for submittal to the MSRC Clean Transportation Funding website. **Please note that ONLY PDF format can be accepted. Microsoft Word documents cannot be accepted by the MSRC Website.** Applicants will need to register on the MSRC Clean Transportation Funding website. No videos will be accepted with proposals. However, images from relevant websites may be included.
2. Due Date - The latest date and time to submit a proposal is December 3, 2024 at 5:00 p.m.! Prospective bidders are encouraged to begin the process early in case of any difficulties encountered during the registration or submission process.
PLEASE NOTE THAT ANY PROPOSAL TIME STAMPED 5:01 P.M. OR LATER ON DECEMBER 3, 2024 WILL NOT BE REVIEWED AND WILL NOT BE AWARDED FUNDING. No exceptions will be granted regardless of reason or circumstances.
3. Additional Grounds for Rejection - A proposal may be immediately rejected if:
 - It is not prepared in the format described contained within this RFP; or
 - It is not signed by an individual authorized to represent the proposing entity.
4. Disposition of Proposals - The MSRC reserves the right to reject any or all proposals. All responses become the property of MSRC. One copy of the proposal shall be retained for South Coast AQMD files.
5. Modification or Withdrawal - Once submitted, proposals cannot be altered without the prior written consent of MSRC. All proposals shall constitute firm offers and may not be withdrawn for a period of ninety (90) days following the last day to accept proposals.

SECTION IV. Proposal Evaluation Process

The MSRC-TAC and MSRC Staff will evaluate all proposals to determine responsiveness to the RFP. South Coast AQMD staff may provide administrative and technical assistance during the proposal evaluation process.

Proposals will be evaluated and points awarded based upon the criteria outlined below. The evaluation criteria are included to provide the Bidder additional guidance as to the particular components of the proposal that will be evaluated.

The MSRC reserves the right to approve only a portion of the Bidder's Statement of Work and funding request. In this case, the Bidder will be required to submit a revised work statement, schedule of deliverables, and cost breakdown within forty-five (45) calendar days of notification of selection.

Each Bidder should review the attached Sample Contract (Attachment C). Any exceptions to the sample contract terms and conditions should be identified in the Bidder's initial proposal.

The most qualified Bidders will be short-listed and may be interviewed by an MSRC-TAC Evaluation Subcommittee the week of December 16, 2024. Please keep this week as clear as possible for potential interviews. Interviews may be at the South Coast AQMD Headquarters in Diamond Bar, California or via videoconference at the discretion of the Evaluation Subcommittee. (Please see Section I.C, Table 1 – Key Procurement Events and Dates). The proposals and interviews will be evaluated based on the selection criteria below.

The MSRC reserves the right to not make any award. The project will be effectuated through a contract with South Coast AQMD, which must also approve the award.

IV.A Proposal Evaluation & Contractor Selection Criteria

Proposals will be evaluated based on the proposals demonstrating an understanding of the RFP objectives and work involved, and on the demonstrated capability of the Bidder to accomplish the work. The following evaluation criteria form the basis upon which proposal scoring and selection will be conducted. The maximum score available is 110 points.

1. Proposal Completeness

Maximum Points Available: 10 points

Proposals will be evaluated on their completeness, accuracy and responsiveness to the RFP and all of its requirements.

2. Qualifications, Staffing and References

Maximum Points Available: 30 points

Bidders must have extensive and successful experience in the hosting and maintenance of websites of similar scope within this RFP. The Bidder shall detail previous work experience. In addition, each Bidder shall provide a minimum of three (3) references and current website addresses from the last four (4) years to demonstrate the skills necessary to complete projects similar in scope to the current proposed project.

3. Statement of Work

Maximum Points Available 35 Points

As discussed in the RFP Section II, Subsection II.C., Bidders are required to submit a discussion of the hosting and maintenance approach. Bidders shall clearly and professionally describe their understanding of the Project. Responses must thoroughly address all areas. The technical merits of the Bidder will be evaluated, based upon the level of completeness and specificity of the proposed concepts.

4. Cost Proposal

Maximum Points Available 25 Points

Bidders are required to submit a detailed cost breakdown for the proposed project. Following a comprehensive review of the cost proposal, the Evaluation Subcommittee will assign a score based upon the competitiveness, completeness, documentation quality, accuracy, and substantiation of the information provided. Costs will be assessed to determine if they are reasonable and appropriately

allocated among tasks. Consideration will also be given to the number of hours assigned to Bidder's staff in relationship to tasks to be performed, hourly rates, and whether the costs are realistic in relationship to projects of similar size.

5. DVBE/Local Business/Small Business Status

Maximum Points Available: 10 points

It is the policy of the MSRC to encourage participation by disabled veteran business entities, local businesses and small business and in the bidding process. The MSRC shall provide five (5) points each for Proposers who meet the following criteria, with the maximum points available not to exceed ten (10) points. Points will only be awarded should the Proposer, upon submission of its proposal, provide documents from a state or local agency certifying that it qualifies in the categories described below:

#1 "Disabled Veteran" as used herein is a United States military, a naval, or air service veteran with at least 10 percent service-connected disability. "Disabled Veteran Business Enterprise" as used herein means a sole proprietorship or partnership or corporation which is at least 51 percent owned by one or more disabled veterans and whose management and control of the daily business operations are by one or more disabled veterans.

#2 "Local Business" as used herein means a Proposer which can demonstrate that it has an on-going business within the South Coast AQMD at the time of the bid application and performs 90% of the work related to the contract within the South Coast AQMD.

#3 "Small Business" as used herein means a business that is:

- 1) Independently owned and operated business, and
- 2) Not dominant in its field or operation and
- 3) Together with affiliates is either a service, construction, or non-manufacturer with 100 or fewer employees, and average annual gross receipts of ten million dollars or less over the previous three years, or a manufacturer with 100 or fewer employees.

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Attachment A: Information on Existing MSRC Website

- Hardware
 - Single server for routine operations
 - 1.8GB RAM
 - 22 GB of 30GB Disk space (73%)
 - Website currently at 9.2GB (including documents and images)
 - 3 mirrors nationwide
 - Backup daily
 - Monitoring system
- Operating System: CentOS 7
- Apache 2.0
- PHP 7.0+ Compatible
 - CMS
 - Drupal 8.x
 - HTML 5
 - CSS 3.0
 - Javascript ECMA 5+
- Database
 - MYSQL
 - 1 GB ram
 - 5 GB storage
- Usage
 - average 457 clicks per month over last several months. Once additional funding opportunities launched, expect uptick in usage
 - Slightly less than 20% coming from mobile devices

Agenda Item #7

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



MSRC-TAC Agenda Item No. 7

DATE: October 3, 2024

FROM: Ray Gorski, MSRC Technical Advisor, on behalf of the MSRC-TAC Partnerships Subcommittee

SUBJECT: Consider Partnership with South Coast AQMD to Develop and Demonstrate Class 2B/3 and Class 4/5 Battery-Electric Trucks and Charging Technology

SYNOPSIS: South Coast AQMD proposes to partner with MSRC on three (3) technology advancement projects to develop and demonstrate medium/light heavy-duty battery-electric trucks and charging technology, with the goal of demonstrating faster charging as well as increased commercial availability. These partnership opportunities include:

- 1) Voltu Motor Inc., to develop, demonstrate, and deploy ten (10) Ford F350, Class 2B/3, battery electric trucks, with an MSRC funding contribution not to exceed \$300,000;
- 2) Enevate Corporation, to develop a fast-charging battery pack for medium/light heavy-duty battery electric trucks, with an MSRC contribution not to exceed \$250,000; and
- 3) Evolectric Inc., to integrate and demonstrate the Enevate fast-charging battery pack in Class 4/5 medium-duty battery electric trucks, with an MSRC contribution not to exceed \$250,000.

The South Coast AQMD will provide match funding in an amount equal to the MSRC funding contributions. Additionally, South Coast AQMD will administer the three projects on behalf of the funding partners.

RECOMMENDATION: The MSRC-TAC Partnership Subcommittee recommends the MSRC-TAC approve three partnership projects with the South Coast AQMD: 1) Voltu Motor Inc. in an amount not to exceed \$300,000;

- 2) Enevate Corporation in an amount not to exceed \$250,000; and
- 3) Evolectric Inc. in an amount not to exceed \$250,000.

WORK PROGRAM

IMPACT:

Clean Transportation Funding™ to partner with South Coast AQMD on the three recommended technology projects is an element of the MSRC FY 2024/'25 Work Program.

Overview: The California Air Resources Board - Advanced Clean Trucks and Advanced Clean Fleets regulations require fleets to transition medium and heavy-duty trucks to zero-emission technologies. Currently, there is a lack of commercially available options for Class 2B/3 service body trucks (gross vehicle weight rating between 8,501 and 14,000 pounds), as Original Equipment Manufacturers (OEM) focus on Class 4 and heavier vehicles, while the available zero-emission Class 2B/3 vehicles are either delivery vans or pickup trucks that do not meet the vocational needs of many commercial fleets.

The continued development and deployment of fast charging vehicles and compatible electric vehicle charging equipment is needed to accelerate the commercialization of battery electric technologies.

In March 2024, the South Coast AQMD Governing Board approved a project to develop and demonstrate innovative megawatt fast charging systems to extend the operational range and reduce charging times for Class 7 and 8 battery electric trucks. Similar fast charging technology is also needed for medium-duty battery electric trucks, as many of today's medium-duty electric trucks still require overnight Alternating Current (AC) charging or slow Direct Current (DC) charging.

The South Coast AQMD has identified three (3) projects that will develop and demonstrate zero-emission technology to increase the availability of Class 2B/3 vocational trucks and reduce recharging time for Class 4/5 batter electric trucks. The South Coast AQMD proposes partnering with the MSRC on these three projects, as described below.

1) Class 3 Medium-Duty Battery Electric Work Truck Development – Voltu Motors, Inc.

Voltu Motors Inc. proposes to partner with City of Moreno Valley and University of California - Riverside (UCR) to develop, demonstrate and deploy ten (10) zero-emission batter-electric Ford F350 work trucks for the City of Moreno Valley. The proposed work trucks will be integrated with battery packs rated at a capacity of up to 166 kilowatt-hour (kWh), and dual electric motors capable of up to 250 miles of range. The vehicles will be capable of being recharged using DC fast chargers (DCFC) at DC charge rate of up to 200 kilowatts (kW).

2) Fast Charging Class 4/5 Medium-Duty Battery Electric Trucks - Enevate Corporation

Enevate Corporation (Enevate) is an Irvine, California based electric vehicle (EV) battery company that has developed silicon-dominant anode advanced battery technology that allows fast charging and higher energy density compared to a conventional battery cell.

The proposed technology will enable a fast charge capability of 15 minutes from zero to eighty percent battery State of Charge (SoC) using a 350 kW Combined Charging System direct current fast charger.

3) Class 4/5 Battery-Electric Truck Demonstration – Evolectric Inc.

Enevate has proposed to partner with Evolectric Inc., a California-based battery electric truck manufacturer. Enevate’s innovative fast charging battery technology, discussed above, will be retrofitted on Evolectric’s Class 4/5 medium-duty battery electric truck.

SBR Express, Inc., a local trucking fleet, has agreed to conduct a six (6) month pilot deployment, evaluation, and data collection vehicle demonstration. Prior to integration into the Evolectric vehicle, the Enevate battery pack will be tested at the University of California, Irvine Horiba Institute for its fast-charging capability.

The South Coast AQMD proposes to partner with Mobile Source Air Pollution Reduction Review Committee (MSRC) to cost-share the development and demonstration of three technology advancement projects described above.

The South Coast AQMD requests MSRC co-funding investments in the amounts shown in the following Tables. Because the Enevate and Evolectric projects are interrelated, Table 2 shows the total funding for both projects – the MSRC funding request totals \$500,000, apportioned equally between the two interrelated project elements:

Table 1: Voltu Motor Project

Funding Source	Amount
Voltu Motor	\$380,000
UCR (in-kind)	\$20,000
City of Moreno Valley	\$1,070,000
MSRC (requested)	\$300,000
South Coast AQMD	\$300,000
	\$2,070,000

Table 2: Enevate and Evoelectric Projects

Funding Source	Amount
Enevate	\$266,920
Evoelectric	\$412,000
SBR (in-kind)	\$12,525
MSRC (requested for Enevate)	\$250,000
MSRC (requested for Evoelectric)	\$250,000
South Coast AQMD	\$500,000
	\$1,691,445

MSRC-TAC Partnerships Subcommittee Recommendation: The Partnerships Subcommittee recommends that the MSRC-TAC approve the three projects discussed above, with MSRC funding investments not to exceed the amounts shown above in Tables 1 and 2. Total MSRC funding for all three projects is not to exceed \$800,000.