



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

AGENDA

Thursday, August 3, 2023 at 1:30 p.m.

A meeting of the MSRC-TAC will be held at 1:30 p.m. on Thursday, August 3, 2023 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
Planning Conference Room, 23rd Floor
Los Angeles, CA 90012

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

Los Angeles County ISD
1100 N. Eastern Avenue
3rd Floor Conference Room
Los Angeles, CA 90063

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://scaqmd.zoom.us/j/92169494044>

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

Teleconference Dial In
+1 669 900 6833

One Tap Mobile
+16699006833,,92169494044#

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

PUBLIC COMMENT WILL STILL BE TAKEN

*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

Kelly Lynn
Representing San Bernardino County
Transportation Authority

Ash Nikravan
Alternate: Yuh Jiun Tan
Representing South Coast AQMD

MSRC-TAC Vice-Chair

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

Vacant
Alternate: Joseph Alcock
Representing Cities of Orange County

Vacant
Representing Cities of Los Angeles County

MSRC-TAC Members

Steve Hillman
Representing City of Los Angeles

Denis Bilodeau
Representing Orange County Board of Supervisors

Chris Escobedo
Representing Cities of Riverside County

Adriann Cardoso
Alternate: Cliff Thorne
Representing Orange County Transportation
Authority

Mark McCullough
Alternate: Bradley Jensen
Representing San Bernardino County Board of
Supervisors

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

Steven Lee
Alternate: David Leyzerovsky
Representing Los Angeles MTA

Jason Farin
Representing Riverside County Board of
Supervisors

Vacant
Mechanical Expert

Vacant
Representing California Air Resources Board

Sean O'Connor
Representing Cities of San Bernardino County

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

Vacant
Air Pollution Control Expert

Jack Garate
Representing Regional Rideshare Agency

CALL TO ORDER

- Roll Call

Opening Comments: Kelly Lynn, MSRC-TAC Chair
Other MSRC-TAC Members

STATUS REPORT

Clean Transportation Policy Update

The Clean Transportation Policy Update provides information on key legislative and regulatory initiatives of potential interest to the MSRC. The report can be viewed at www.CleanTransportationFunding.org.

**Better
World
Group**

CONSENT CALENDAR (Items 1 through 5)

Receive and Approve

1. Minutes of the February 2, 2023 MSRC-TAC Meeting **Allen**
2. Summary of Final Report by MSRC Contractor **Gorski**
 - Los Angeles County MTA, Contract #MS18073 (\$2,000,000 – Procure 40 Zero-Emission Transit Buses)

Information Only - Receive and File

3. MSRC Contracts Administrator's Report **Gorski**

This report covers key issues addressed by MSRC staff, status of open contracts, and administrative scope changes from May 25 through July 26, 2023.
4. Financial Report on AB 2766 Discretionary Fund **Pathak**

Financial Report for June 2023.
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 Spring 2023.

ACTION CALENDAR (Items 6 through 10)

6. Consider 37-Month Term Extension by LA County Metro, Contract #MS14057 (\$1,250,000 - Implement Various Signal Synchronization Projects)

Gorski

LA Metro requests MSRC review of a 3-year contract term extension request which has been denied by the MSRC Contracts Administrator. LA Metro indicates the project implementation schedule has been impacted by the COVID-19 pandemic, post-COVID cost escalation, and labor availability. The contract was previously extended for a total of four years.

FYs 2018-21 WORK PROGRAM

7. Consider Request by Southern California Association of Governments (SCAG) to Allow Modification of MOU With Participating Truck Purchasers, Contract #MS21005 (\$16,751,000 – Last Mile Freight Program)

Gorski

The MSRC-TAC's Last Mile Subcommittee had approved a memorandum of understanding (MOU) template for the last mile freight program administered by SCAG. Per the MOU with project participants, payments made prior to the execution of an MOU would not be reimbursed (that is, such payments would not be considered part of a required match). SCAG requests MSRC approve modification of the program and MOU, if needed, to allow reimbursements for payments made by truck purchasers before they entered into the original MOU with SCAG.

FYs 2021-24 WORK PROGRAM

8. Consider Modification to Project Implementation Schedule by the City of Huntington Beach, Proposed Contract #MS24005 (\$279,186 – Circuit Transit Rideshare Program)

Gorski

This award has been approved by the MSRC and South Coast AQMD; however no contractual agreement has yet been executed. The City of Huntington Beach was awarded \$279,186 in MSRC Clean Transportation Funding™ under MSRC RFP 2023-07 to implement a microtransit project. The proposed project was to begin microtransit operations in July 2023. As a result of funding received from the Orange County Transportation Authority (OCTA), the City now requests that the implementation schedule for the MSRC-funded microtransit service begin in July of year 2025.

9. Consider Funding Award to Prologis Under MSRC RFI 2023-01, Publicly Accessible Goods Movement Zero-Emission Infrastructure

Gorski

RFI 2023-01 was released on September 2, 2022, requesting submittal of information packages that identify the respondent's potential role and resources to partner with the MSRC to facilitate investment in zero-emission infrastructure to support the transition of goods movement trucks to zero-emissions within the South Coast AQMD region. A total of \$50M was allocated by the MSRC for this Work Program category. The RFI closing date was November 30, 2022. Prologis was a respondent to the RFI. In July, the South Coast AQMD was awarded funding from the California State Transportation Agency (CalSTA) to co-fund the Prologis project. The South Coast AQMD and Prologis request that the MSRC award Clean Transportation funding™ under RFI 2023-01, as this will allow the project to be fully funded and significantly leverages the MSRC's investment. The majority of project costs will be borne by Prologis. The MSRC-TAC Goods Movement Subcommittee has reviewed the South Coast AQMD/Prologis partnership request and recommends an award of \$11,679,171.

10. Consider Conditional Funding Award to the Los Angeles Cleantech Incubator (LACI) Under MSRC RFI 2023-01, Publicly Accessible Goods Movement Zero-Emission Infrastructure

Gorski

RFI 2023-01 was released on September 2, 2022, requesting submittal of information packages that identify the respondent's potential role and resources to partner with the MSRC to facilitate investment in zero-emission infrastructure to support the transition of goods movement trucks to zero-emissions within the South Coast AQMD region. A total of \$50M was allocated by the MSRC for this Work Program category. The RFI closing date was November 30, 2022. The Los Angeles Cleantech Incubator (LACI) and the City of Los Angeles Harbor Department (Port of Los Angeles) were both respondents to the RFI. Subsequent to submitting their RFI response, LACI was successful in receiving federal funding to implement two zero-emission drayage truck charging sites on Port property. The City of Los Angeles has selected LACI to be the project manager for developing the two truck charging locations. Additionally, the LA Harbor Department has committed funding to the development of these two truck charging sites. LACI and the LA Harbor Department request the MSRC enter into a partnership conditionally awarding \$3,000,000 toward development of the two truck charging locations. The conditions that must be satisfied before any disbursement of MSRC Clean Transportation Funds™ are discussed in the attached Staff Report. The MSRC-TAC Goods Movement Subcommittee recommend a conditional award to LACI in the amount of \$3,000,000.

OTHER BUSINESS

11. **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)*

Lynn

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: September 7, 2023, 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 February 2, 2023 MSRC-TAC Meeting



**TECHNICAL ADVISORY COMMITTEE TO THE MSRC
THURSDAY, FEBRUARY 2, 2023 MEETING MINUTES
21865 Copley Drive, Diamond Bar, CA 91765**

**All participants attended the meeting remotely pursuant to
Executive Orders N-25-20 and N-29-20**

MSRC-TAC MEMBERS PRESENT:

Acting MSRC-TAC Chair Jenny Chan, representing Riverside County Transportation Commission
Joseph Alcock (Alt), representing Cities of Orange County
Adriann Cardoso, representing Orange County Transportation Authority
Jason Farin, representing the Riverside County Board of Supervisors
Jack Garate, representing the Regional Rideshare Agency
Steve Hillman, representing the City of Los Angeles
Minh Le, representing the Los Angeles County Board of Supervisors
Ash Nikravan, representing South Coast AQMD
Yuh Jiun Tan (Alt), representing South Coast AQMD
Sean O'Connor, representing Cities of San Bernardino County
Scott Strelecki (Alt), representing Southern California Association of Governments
Cheryl Wilson (Alt), representing San Bernardino County Transportation Authority
Derek Winters, representing California Air Resources Board
Dan York, representing the Cities of Riverside County

OTHERS PRESENT:

Doe Girling – Clean Energy
Harry Frisby – City of Inglewood
Jack Symington – Los Angeles CleanTech Incubator
Jason Kang – City of Long Beach
Jeffrey Snoddy
Will Mitchell – Forum Mobility

SCAQMD STAFF & CONTRACTORS

Leah Alfaro, Contracts Assistant
Maria Allen, MSRC Administrative Liaison
Ray Gorski, MSRC Technical Advisor - Contractor
Daphne Hsu, Principal Deputy District Counsel
Matt MacKenzie, Contracts Assistant
Anish Pathak, Financial Analyst
Cynthia Ravenstein, MSRC Contracts Administrator
Lane Garcia, Program Supervisor
Marjorie Eaton, Administrative Assistant I

CALL TO ORDER

- Call to Order
MSRC-TAC Member Jenny Chan called the meeting to order at 1:32 p.m.

STATUS UPDATE

The Clean Transportation Policy Update provides information on key legislative and regulatory initiatives of potential interest to the MSRC. The report can be viewed at www.CleanTransportationFunding.org.

CONSENT CALENDAR

Receive and Approve

Summary of Final Report by MSRC Contractor

One final report was submitted for MSRC-TAC review and approval during February:

- City of Commerce, Contract #MS18115 (\$275,000– Expansion of Existing L/CNG Infrastructure)

ON MOTION BY MSRC-TAC MEMBER DAN YORK AND SECONDED BY MSRC-TAC MEMBER JACK GARATE, UNDER APPROVAL OF CONSENT CALENDAR ITEMS #1 – #3, THE MSRC-TAC UNANIMOUSLY VOTED TO RECEIVE AND RECOMMEND APPROVAL OF THE MSRC CONTRACTORS' FINAL REPORT SUMMARY LISTED ABOVE.

ACTION: The Final Report Summary will be included on the MSRC's next agenda for final action.

Information Only – Receive and File

Agenda Item #2 – MSRC Contracts Administrator's Report

The Contracts Administrator's Report for January 5, 2023 through January 25, 2023 was included in the agenda package.

ON MOTION BY MSRC-TAC MEMBER DAN YORK AND SECONDED BY MSRC-TAC MEMBER JACK GARATE, UNDER APPROVAL OF CONSENT CALENDAR ITEMS #1 – #3, THE MSRC-TAC UNANIMOUSLY VOTED TO RECEIVE AND FILE THE MSRC CONTRACTS ADMINISTRATOR'S REPORT LISTED ABOVE.

ACTION: The Contracts Administrator's Report will be included on the MSRC's next agenda for final action.

Agenda Item #3 – Financial Report on AB 2766 Discretionary Fund

The Financial Report on the AB 2766 Discretionary Fund for December 2022 was included in the agenda package.

ON MOTION BY MSRC-TAC MEMBER DAN YORK AND SECONDED BY MSRC-TAC MEMBER JACK GARATE, UNDER APPROVAL OF CONSENT CALENDAR ITEMS #1 – #3, THE MSRC-TAC UNANIMOUSLY VOTED TO RECEIVE AND FILE THE FINANCIAL REPORT FOR THE MONTH OF DECEMBER 2022.

ACTION: No further action is required.

ACTION CALENDAR

Agenda Item #4 – Consider 10-Month Term Extension by Riverside County Transportation Commission (RCTC), Contract #MS16094 (\$1,909,241 – Implement MetroLink First Mile/Last Mile Mobility Strategies)

Cynthia Ravenstein, MSRC Contracts Administrator, explained that the Riverside County Transportation Commission received a 15-month term extension previously. RCTC is now requesting a 10-month term extension. They have completed the majority of the work on this project, but part of the project is taking longer than expected to complete due to unexpected time for coordination with the California Public Utilities Commission. They believe that the project can be completed within the 10-month period. The Scope Change Subcommittee reviewed this request and recommended approval.

ON MOTION BY MSRC-TAC MEMBER DAN YORK AND SECONDED BY MSRC-TAC MEMBER JASON FARIN, WITH THE EXCEPTION OF MSRC-TAC MEMBER JENNY CHAN WHO ABSTAINED, THE MSRC-TAC UNANIMOUSLY VOTED TO RECOMMEND TO APPROVE FOR THE RIVERSIDE COUNTY TRANSPORTATION COMMISSION, CONTRACT #MS16094, A TEN-MONTH TERM EXTENSION.

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

Agenda Item #5- Consider 19-Month Term Extension by City of Torrance, Contract #ML16039 (\$32,000 – Install EV Charging Infrastructure)

Cynthia Ravenstein, MSRC Contracts Administrator explained that the City of Torrance contract is to install publicly accessible Level II EV chargers. The City has installed the chargers and they are operational, but they are not publicly accessible yet. The chargers are part of a larger project, the construction of a regional transit center, that will be opened in March 2023. The City had previously been granted a two-year term extension; they are now requesting a 19-month term extension to fulfill the three-year operational requirement. The Scope Change Subcommittee reviewed and recommended approval.

ON MOTION BY MSRC-TAC MEMBER STEVE HILLMAN AND

SECONDED BY MSRC-TAC MEMBER MINH LE, THE MSRC-TAC
UNANIMOUSLY VOTED TO RECOMMEND TO APPROVE FOR THE CITY
OF TORRANCE, CONTRACT #ML16039, A 19-MONTH TERM EXTENSION

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

**Agenda Item #6- Consider Modified Operational Requirement by City of Long Beach,
Contract #ML18055 (\$622,220 – EV Install EV Charging Infrastructure)**

Cynthia Ravenstein, MSRC Contracts Administrator, explained that the City of Long Beach has a contract to install 50 limited-access EV chargers. They have installed 43 chargers so far, but they had installed two chargers on property they did not own, but for which they had a long-term lease. The property owner unexpectedly decided to sell the property. The City had to act quickly and move the chargers to a new location. According to the existing contract terms, they are not allowed to relocate the chargers. Because they had ceased operation in the Year 1 to 2 timeframe, the City would be required to pay back 66% of what they had received, or about \$12,000. The City is proposing instead to relocate the chargers to a City-owned property with the same level of accessibility as before—for City employees. They would need to provide a full three years of operation from the time the chargers commence operation in their new location. The Scope Changes Subcommittee recommends approval of this element. The City is also requesting to include additional language to their contract which would address this situation and future relocations, that would allow the City to do essentially the same thing. Ms. Ravenstein stated that she does not recommend approval of that language. She thinks there are too many variables for each situation and in particular, whether there would be enough time on the contract for them to complete three years of operation. The Scope Changes Subcommittee is not recommending approval of that language.

Public Comment:

Jason Kang from the City of Long Beach stated that the City was at the original facility for 20 years and were told last year that they had to vacate the premises. Their Public Works Department didn't notify Fleet Services until a month ago. Mr. Kang explained that poor communication was part of the reason for the late notice on the contract modification. Mr. Kang also stated that the contract language modification was meant to address this specific situation; the City doesn't foresee trying to relocate any future chargers.

ON MOTION BY MSRC-TAC MEMBER MINH LE AND SECONDED BY
MSRC-TAC MEMBER DEREK WINTERS, THE MSRC-TAC
UNANIMOUSLY VOTED TO RECOMMEND TO APPROVE FOR THE CITY
OF LONG BEACH, CONTRACT #ML18055, EV CHARGERS RELOCATION
REQUEST (WITHOUT THE ADDITION OF LANGUAGE REGARDING
FUTURE MOVES)

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

Agenda Item #7- Consider Modified Payment Schedule by Volvo Financial Services, Contract #MS21019 (\$3,930,270 – Lease up to 14 Zero Emission Trucks and Provide Charging Infrastructure)

Cynthia Ravenstein, MSRC Contracts Administrator, explained that the contract with Volvo Financial Services is for them to lease 14 zero emission trucks and provide charging infrastructure to fleet Quality Custom Distribution. The program is under the MSRC On-Road Inland Ports Program. There was a desire on the part of Volvo not to have a withhold when we make payment for the trucks. Normally, the MSRC has a withhold from all the payments on a contract until there's a submission of a final report. MSRC staff negotiated with Volvo and the result was that 5% of the total that the MSRC provides would be withheld from the installation of the charging equipment. We also required that some of the trucks that will be delivered later will not be reimbursed until the charging equipment has been installed. The problem is that they can get some of the trucks before the charging equipment is installed. Rather than hold up the truck delivery, Volvo is asking that the MSRC remove the requirement of installing the charging equipment before being able to be reimbursed for the trucks. There is still the retention on the charging infrastructure and there is still a requirement on the last set of trucks that can't be reimbursed if the charging infrastructure isn't installed. Based on this, Ms. Ravenstein recommends approval of Volvo's request to remove the requirement that the chargers be installed on the second set of trucks to allow those to get reimbursed when they're delivered. The Scope Changes Subcommittee reviewed and recommended approval.

ON MOTION BY MSRC-TAC MEMBER SEAN O'CONNOR AND
SECONDED BY MSRC-TAC MEMBER JACK GARATE, THE MSRC-TAC
UNANIMOUSLY VOTED TO RECOMMEND TO APPROVE FOR VOLVO
FINANCIAL SERVICES, CONTRACT #MS21019, A MODIFIED PAYMENT
SCHEDULE

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

Agenda Item #8- Receive Update Report on Results of Request for Information for Zero Emission Goods Movement Infrastructure

Ray Gorski gave a presentation on the Publicly Accessible Goods Movement Zero-Emission Infrastructure Request for Information (RFI). The RFI closed on November 30, 2022. 23 responses were received. The objective of the RFI was to determine if property owners would commit to developing onsite heavy-duty truck electric or hydrogen recharging and refueling and to create a path for the investment of MSRC Clean Transportation funds. The responses cover a wide spectrum of information, from technology vendors who would want to propose their hardware for utilization at a publicly accessible truck recharging facility to full proposals. Many of these responses are site-specific and in shovel-ready development status, though construction projects do take time and there is going to be the necessity to coordinate with the utilities. Many are very strategically located along the identified goods movement corridors within the South Coast AQMD jurisdiction and also at the endpoints of trade corridors, both surrounding the maritime ports, as well as out into the Inland Empire and points in between.

The original MSRC guidance emphasized the desire to forge partnerships with other agencies and invest in leveraging as key program goals. The Goods Movement Subcommittee who is

charged with doing this initial evaluation work has developed a very structured evaluation process. There are defined steps in the evaluation process, but it's also been designed to be flexible to accommodate additional MSRC direction. There are three major steps included in this evaluation process. The first is to make sure that every RFI response is thoroughly reviewed. The second is to engage the potential funding partners. We are currently engaging potential funding partners who identified themselves through the RFI process. Third, the work that the subcommittee is doing will inform any follow-on actions that the MSRC chooses to take, whether it be moving towards a sole source contract with an entity who was responding to the RFI, or the potential for a follow-on solicitation, which would probably be an RFP, to solicit projects for a more defined region and or technology.

MSRC-TAC Member Derek Winters stated that as a member of the Subcommittee, he is excited to see some of the proposals that have come in. He mentioned that there are some independent operators that submitted proposals, attempting to answer the issue of where independent owner operated trucks can park.

Public Comment:

Jack Symington with the Los Angeles CleanTech Incubator asked, looking at the leveraging money, what was the range of private sector cost share seen in some of the more complete proposals for the MSRC? Does the MSRC have a target in mind when it comes to it and to what degree they would like to leverage their money through maybe public or private cost share?

Mr. Gorski answered stating that having an RFI as opposed to something more definitive, like an RFP, was to seek any information. The MSRC received varying levels of detail, some very well-developed responses that offered very attractive partnership opportunities in which the MSRC would have the ability to significantly leverage their investment by integer multiples. We are currently not in a position to give specifics but can say that we did receive a reasonably high percentage of fully developed proposals which did offer a significant cost share. At this point the MSRC has not given direction as what target they have in mind to leverage their funds. Historically, the MSRC does require co-funding.

INFORMATION ONLY

ACTION: No further action is required.

PUBLIC COMMENTS:

No public comment

ADJOURNMENT

THERE BEING NO FURTHER BUSINESS, THE MSRC-TAC MEETING
ADJOURNED AT 2:23P.M.

NEXT MEETING: Next meeting: Thursday, March 2, 2023, 1:30 p.m.

(Minutes prepared by Maria M. Allen)

Agenda Item #2

Summary of Final Report by MSRC Contractor



MSRC-TAC Agenda Item No. 2

Date: August 3, 2023
From: Ray Gorski, MSRC Technical Advisor
Subject: Final Reports Received and Reviewed

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

- Los Angeles county Metropolitan Transportation Authority, Contract #18073 in the amount of \$2,000,000 – Metro Orange Line – Fleet Electrification

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

Los Angeles County Metropolitan Transportation Authority Contract #MS18073 – Metro Orange Line – Fleet Electrification

Originally opened in 2005 and expanded in 2012, the Metro Orange Line (Now G Line) is an 18-mile Bus Rapid Transit (BRT) line running on a dedicated right-of-way with eighteen stations between North Hollywood and Chatsworth, serving the North San Fernando Valley.

The line started operations with a newly designed fleet of 60-foot compressed natural gas (CNG) powered articulated buses, fare collections at the stations, stops at every station (every mile) and traffic signal synchronization. The Orange Line has two runs, one from North Hollywood to Chatsworth station, and the other from North Hollywood to Canoga station. Runs alternate between the two northern endpoints creating a shorter and longer run.

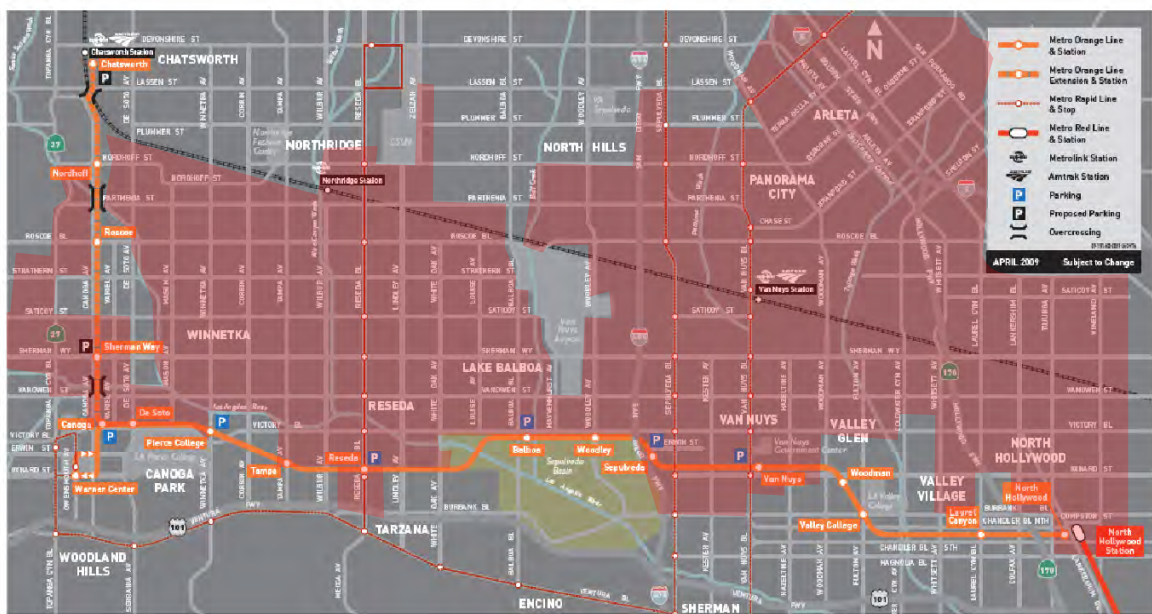


Figure 1 - Los Angeles Metro G Line (Orange) serves 114 disadvantaged communities¹, as indicated on red areas

The electrification of the line was LA Metro's first step on the conversion of the fleet from CNG to Battery Electric Buses (BEB), with a complete transition by 2030. The main purpose was to gain experience in operating and maintaining BEBs, validating the viability of fully electrifying Metro's bus system, and determining the suitability and direct replacement for CNG vehicles.

The project started with a 2016 Federal Transit Administration Low or No Emission Grant award for the implementation of five BEBs, on-route charging at North Hollywood and Chatsworth stations, and backup depot charging at Division 8. In 2017, an LA Metro directive called to convert the entire line to zero emission operation by 2020.

¹ California Office of Environmental Health Hazard Assessment
<https://oehha.ca.gov/calenviroscreen/sb535>

Thirty-five additional BEBs were ordered from New Flyer along with construction, installation, and commissioning of four 450 kW on-route charging stations at North Hollywood, two 600KW at Canoga, and two more (600kW) at Chatsworth. Ten 150 KW depot chargers were also installed at Division 8. These quantities were anticipated to be sufficient to convert the entire line to zero-emission bus operation.

The installation of the on-route chargers entailed digging foundations for both the pantograph masts and charger pads. Additionally, concrete pads were poured for the switch gear for LA Metro and Los Angeles Department of Power (LADWP). Finally, conduits were trenched to feed power from the components in the power stream. Installation of the depot chargers at Division 8 followed the same series of activities, though all within the walls of Division 8 along the back fence of the bus parking area.

Table 1 shows a summary of the charging infrastructure installed as of April 2023. Figure 2 shows ridership since inauguration. Red bars represent fleet fully electrified.

Location	Type	Make	Charging Equipment		
			Model	Power (KW)	QTY
Canoga	On-route	Siemens	VersiCharge Go 600	600	2
Chatsworth			VersiCharge Go 600		2
North Hollywood			VersiCharge Go 450	450	4
Division 08	Depot	ABB	HVC150 Depot charge Box	150	10

Table 1 - Installed Charging Infrastructure

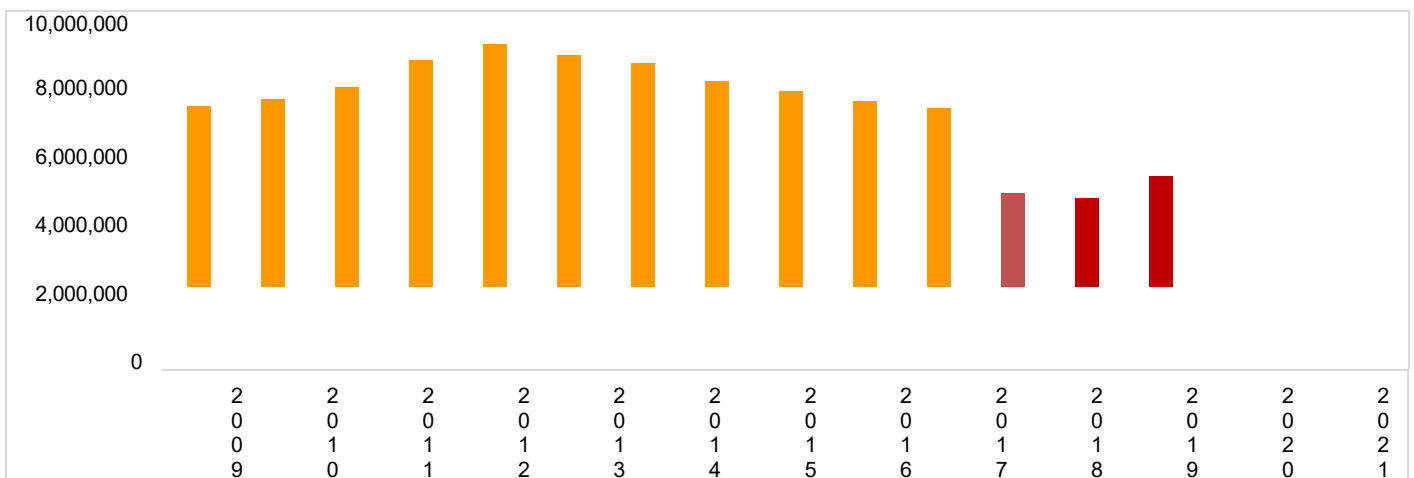


Figure 2 - Los Angeles Metro G Line (Orange) ridership. Red bars indicate fleet electrification

Issues and challenges encountered are grouped into four categories: environmental (rain, fire, flood), geographical (issues with construction sites), societal (covid-19, labor) and technical (issues with vehicle availability and reliability).

The first major environmental challenge surfaced when the depot charging equipment was nearing completion, and the switch gear from LADWP was scheduled to be delivered and installed. In the fall of 2018, there were major brush fires in Los Angeles County, and an emergency need for replacement switch gear preempted the installation of the equipment slated for LA Metro. Several months later, flooding caused further delay in delivering equipment to LA Metro. Ultimately, the depot chargers and infrastructure were completed in June 2019, approximately one year behind schedule.

The next major geographical challenge revolved around the on-route charging locations. LA Metro owned the property, developed the stations, and maintained as-built drawings. However, at all three locations, when excavation began, unknown electrical and plumbing conduits were discovered. In each instance construction work was halted, the discovery was identified, and a new routing solution was developed. These discoveries led to schedule delays and cost increases.

An unprecedented societal impact was felt starting by January-March 2020 due to COVID-19 pandemic. The most significant impacts to the project included materials shortages and labor. Parts and supplies were difficult to acquire and coupled with a complete disruption in transportation and distribution services, delays in construction of the on-route charging stations were encountered.

New Flyer, the BEB manufacturer, was challenged with not only parts limitations, but also had periodic complete factory shutdowns due to COVID outbreaks. When the main production facility manufacturing LA Metro's BEBs was shut down due to COVID-19 for an unknown closure period, New Flyer made the decision to move production to another facility for completion to maintain schedule adherence. Ultimately, the on-route chargers delays and vehicle delivery delays balanced out well.

As for reliability, Metro's electric buses fleet seems to alternate between high and low performance while the CNG counterparts tend to perform stably over time. There were instances of electric buses significantly overperformed CNG for eight months in a row, until a sudden underperformance, later found to be a combination of summer elevated temperature and fleet defects.

The overall fleet availability ranged from 70% to 85% until mid-2022, when it reached 60% due to a fleet defect. A quick recovery followed and since then the availability trended down again to minimum 60% by April 2023.

Population

LA Metro G Line (Orange) electrification cut line's vehicles emissions to almost zero, bringing a smooth ride and cleaner air to four million riders and 114 disadvantaged communities along the line.

Noise

The new buses also have lower interior and exterior noise emissions than their CNG counter parts. The electric propulsion has almost no moving parts, thus reducing internal and external noise. One can barely notice noise coming from the bus when it is on or even when it is moving. On the interior there is no tailpipe noise or engine vibration, making the ride more enjoyable for passengers.

Carbon Dioxide Emissions

The fuel consumption on electric vehicles – including buses – is measured in the equivalent of miles per gallon of gasoline (MPGe), which represents the miles the vehicle can travel using the energy content of a gallon of gasoline (33.7 kWh). It can also be measured in Kilowatts-hours per mile (kWh/mile).

LA Metro's buses energy consumption varies depending on speed, payload, and ambient temperature. It had averaged 3.0 kWh/mile (106 miles) while minimum and maximal values recorded were 2.5 and 3.6KWh/mile, resulting in ranges of 128 and 89 miles, respectively.

As of April 2023, the buses have accumulated 3.3 million miles, averaging 91 miles per bus per day.

The table below shows a comparison between different fuels and energy content and consumption. It also shows an estimate² for the associated emissions.

Fuel	Energy	Consumption		Emission	Mileage	Total Emissions
	(kWh/gallon)	MPGe	kWh/mile	lb. CO ₂ /mile		Million lb. CO ₂
Diesel	36	3.16	11.4	6.6		22
CNG	33	2.51	13.2	6.1	3,330,000	20
Electricity	1.7	11.23	3.0	1.4		4.6

Table 2 – Comparison between fuels for a 60-foot bus: energy content, consumption, and emissions

Outreach

LA Metro is required to provide a public outreach plan or summary of activities to promote MSRC's co-funding of the vehicles. Below are listed some of Metro's G Line (Orange) that had impact on the awareness of project and agency clean-air project promotion.

News Broadcast

- LA Announces First 100% Electric Bus Line – CBS News - October 13, 2021
<https://www.cbsnews.com/losangeles/news/la-announces-first-100-electric-bus-line/>

Articles

- Los Angeles Daily News
<https://thesource.metro.net/2021/10/13/metro-announces-fully-electric-bus-fleet-on-the-g-line->

[orange/](#)

- Mass Transit Magazine, October 14, 2021 - L.A. Metro's G Line now fully electric

<https://www.metro-magazine.com/10153936/l-a-metro-now-running-all-zero-emission-electric-buses-on-the-g-orange-line>

Corporate Website

- L.A. Metro Now Running all Zero-Emission Electric Buses on the G (Orange) Line in the San Fernando Valley

<https://www.metro.net/about/l-a-metro-now-running-all-zero-emission-electric-buses-on-the-g-orange-line-in-the-san-fernando-valley/>

Ribbon-cutting events

- G Line (Orange) now 100% electric! – LA Metro corporate social media page, October 13, 2021

<https://www.facebook.com/losangelesmetro/videos/g-line-orange-now-100-electric/1024166491714729/>

- Mayor Garcetti celebrates first electric bus deployed on the G Line - Los Angeles Mayor page, July 27, 2020

<https://www.lamayor.org/mayor-garcetti-celebrates-first-electric-bus-deployed-g-line>

Agenda Item #3

MSRC Contracts Administrator's Report

MSRC-TAC Agenda Item No. 3

DATE: August 3, 2023

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 May 25 to July 26, 2023.

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 under development.

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 under development.

Work Program Status

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

FY 2011-12 Work Program Contracts

3 contracts are 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

5 contracts from this Work Program year are open, and 11 are in "Open/Complete" status.

FYs 2012-14 Invoices Paid

No invoices were paid during this period.

FYs 2014-16 Work Program Contracts

15 contracts from this Work Program year are open, and 13 are in “Open/Complete” status. 1 contract closed during this period: City of El Monte, Contract #ML16046 – Install EV Charging Infrastructure.

FYs 2014-16 Invoices Paid

No invoices were paid during this period.

FYs 2016-18 Work Program Contracts

56 contracts from this Work Program year are open, and 53 are in “Open/Complete” status.

FYs 2016-18 Invoices Paid

7 invoices totaling \$789,774.47 were paid during this period.

FYs 2018-21 Work Program Contracts

16 contracts from this Work Program year are open.

FYs 2018-21 Invoices Paid

11 invoices totaling \$3,291,117.46 were paid during this period.

FYs 2021-24 Work Program Contracts

1 contract from this Work Program year is open.

FYs 2021-24 Invoices Paid

No invoices were paid during this period.

Administrative Scope Changes

Two administrative scope changes were initiated during the period from May 25 to July 26, 2023:

- Green Fleet Systems, Contract #MS21014 (Deploy 5 Near-Zero Emission Trucks) – Reduce scope from 5 trucks to 3, and reduce value from \$500,000 to \$300,000
- San Bernardino County Transportation Authority, Contract #MS18065 (Implement Metrolink Discount) – Seven-month term extension

Attachments

- FY 2011-12 through FYs 2021-24 Contract Status Reports
- FY 2012-14 through FYs 2018-21 Progress Report Tracking



AB2766 Discretionary Fund Program Invoices

May 25 to July 26, 2023

Contract Admin.	MSRC Chair	MSRC Liaison	Finance	Contract #	Contractor	Invoice #	Amount
<i>2016-2018 Work Program</i>							
7/20/2023	7/21/2023			MS18024	Riverside County Transportation Commission	03314	\$46,600.00
7/20/2023	7/21/2023			MS18024	Riverside County Transportation Commission	03242	\$43,000.00
6/1/2023	6/7/2023	6/14/2023	6/16/2023	ML18036	City of Indian Wells	19-57	\$50,000.00
6/2/2023	6/7/2023	6/13/2023		ML18144	City of Fontana Public Works	3BMIS 6269	\$269,090.00
6/22/2023	6/29/2023	7/14/2023		ML18060	County of Los Angeles Internal Services Depart	23MSRC001	\$125,562.65
6/15/2023	6/15/2023	6/20/2023		MS18023	Riverside County Transportation Commission	03313	\$23,206.12
5/31/2023	6/7/2023	6/13/2023		ML18059	City of Glendale Water & Power	1-Final	\$232,315.70

Total: \$789,774.47

<i>2018-2021 Work Program</i>							
6/13/2023	6/20/2023	6/21/2023	6/21/2023	MS21019	Volvo Financial Services	002	\$600,000.00
5/31/2023	6/7/2023	6/13/2023		MS21002	Better World Group Advisors	WG-MSRC3	\$4,012.25
6/6/2023	6/7/2023	6/16/2023	6/23/2023	MS21015	Premium Transportation Services, Inc.	17685	\$1,334,758.50
6/15/2023	6/15/2023	6/20/2023		MS21004	Los Angeles County MTA	800088518	\$326,899.00
6/7/2023	6/7/2023	6/13/2023		MS21006	Geographics	23-23286	\$33.00
7/21/2023	7/21/2023			MS21002	Better World Group Advisors	WG-MSRC3	\$6,326.10
6/20/2023	6/20/2023	6/21/2023		MS21002	Better World Group Advisors	WG-MSRC3	\$7,025.70
6/28/2023	6/29/2023	7/19/2023		MS21007	Penske Truck Leasing Co., L.P.	Final	\$957,812.40
6/28/2023	6/29/2023	7/19/2023		MS21005	Southern California Association of Governments	MS21005B-0	\$53,504.51
7/19/2023	7/21/2023			MS21006	Geographics	23-23316	\$373.00
6/7/2023	6/7/2023	6/13/2023		MS21006	Geographics	23-23285	\$373.00

Total: \$3,291,117.46

Total This Period: \$4,080,891.93



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

7/26/2023

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
FY 2011-2012 Contracts									
Declined/Cancelled Contracts									
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-Acess 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									
Closed Contracts									
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
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
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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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
MS12064	Anaheim Transportation Network	3/26/2013	12/31/2014		\$127,296.00	\$56,443.92	Implement Anaheim Circulator Service	\$70,852.08	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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
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: 72

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

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
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
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

Total: 3

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

FY 2012-2014 Contracts

Open Contracts

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
MS14057	Los Angeles County MTA	11/7/2014	10/6/2019	10/6/2023	\$1,250,000.00	\$0.00	Implement Various Signal Synchronization P	\$1,250,000.00	No
MS14059	Riverside County Transportation Co	9/5/2014	3/4/2018	7/4/2023	\$1,250,000.00	\$899,594.08	Implement Various Signal Synchronization P	\$350,405.92	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	No

Total: 5

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
ML14028	City of Fullerton	9/5/2014	1/4/2022		\$126,950.00	\$126,950.00	Expansion of Exisiting 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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML14032	City of Rancho Cucamonga	1/9/2015	1/8/2022		\$113,990.00	\$104,350.63	Expansion of Existing CNG Infrs., 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
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
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
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 Improveme	\$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
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
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
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: 63

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
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: 6

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
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
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
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
MS14075	Fullerton Joint Union High School Di	7/22/2016	11/21/2023		\$300,000.00	\$293,442.00	Expansion of Existing CNG Infrastructure/Ma	\$6,558.00	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
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
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

Total: 11

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

ML16006	City of Cathedral City	4/27/2016	4/26/2022	4/26/2023	\$25,000.00	\$25,000.00	Bicycle Outreach	\$0.00	No
ML16017	City of Long Beach	2/5/2016	8/4/2023	5/4/2029	\$1,445,400.00	\$1,415,400.00	Purchase 50 Medium-Duty, 17 H.D. Nat. Ga	\$30,000.00	No
ML16022	Los Angeles Department of Water an	5/5/2017	3/4/2024	6/4/2028	\$240,000.00	\$0.00	Purchase 8 H.D. Nat. Gas Vehicles	\$240,000.00	No
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
ML16039	City of Torrance Transit Department	1/6/2017	9/5/2022	9/5/2024	\$32,000.00	\$0.00	Install Eight Level II EV Chargers	\$32,000.00	No
ML16040	City of Eastvale	1/6/2017	7/5/2022	11/5/2026	\$66,409.00	\$53,908.85	Install EV Charging Infrastructure	\$12,500.15	No
ML16047	City of Fontana	1/6/2017	8/5/2019	8/5/2024	\$500,000.00	\$0.00	Enhance an Existing Class 1 Bikeway	\$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
ML16075	City of San Fernando	10/27/2016	2/26/2019	8/26/2024	\$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
MS16094	Riverside County Transportation Co	1/25/2017	1/24/2022	2/24/2024	\$1,909,241.00	\$0.00	MetroLink First Mile/Last Mile Mobility Strate	\$1,909,241.00	No
MS16110	City of Riverside	10/6/2017	2/5/2025	10/5/2026	\$270,000.00	\$71,250.00	Expansion of Existing CNG Station and Main	\$198,750.00	No
MS16120	Omnitrans	4/7/2017	5/6/2025		\$945,000.00	\$870,000.00	Repower 63 Existing Buses	\$75,000.00	No
MS16121	Long Beach Transit	11/3/2017	4/2/2024	11/30/2028	\$600,000.00	\$570,000.00	Repower 39 and Purchase 1 New Transit Bu	\$30,000.00	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: 15

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

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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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
ML16020	City of Pomona	4/1/2016	2/1/2018	8/1/2018	\$440,000.00	\$440,000.00	Install Road Surface Bicycle Detection Syste	\$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
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
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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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
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
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
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
MS16116	Riverside Transit Agency	3/3/2017	1/2/2023		\$10,000.00	\$9,793.00	Purchase One Transit Bus	\$207.00	Yes
MS16119	Omnitrans	4/21/2017	8/20/2022		\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No
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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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: 77

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
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

Total: 5

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
ML16021	City of Santa Clarita	10/7/2016	6/6/2024		\$49,400.00	\$49,399.00	Install EV Charging Infrastructure	\$1.00	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
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
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
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
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
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
MS16114	City of Norwalk	3/3/2017	6/2/2024		\$32,170.00	\$32,170.00	Purchase 3 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
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

Total: 13

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?
FY 2016-2018 Contracts									
Open Contracts									
ML18031	City of Diamond Bar	9/7/2018	11/6/2025	11/6/2027	\$58,930.00	\$38,930.00	Install EVSE, Purchase up to 2-LD Vehicles	\$20,000.00	No
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
ML18046	City of Santa Ana - Public Works Ag	11/9/2018	7/8/2026		\$385,000.00	\$285,000.00	Purchase 6 Light-Duty ZEVs, 9 Heavy-Duty	\$100,000.00	No
ML18047	City of Whittier	8/8/2018	4/7/2026	1/7/2029	\$113,910.00	\$68,346.00	Purchase 5 Heavy-Duty Near-Zero Emission	\$45,564.00	No
ML18050	City of Irvine	9/7/2018	8/6/2028		\$330,490.00	\$0.00	Purchase 1 Medium/Heavy-Duty ZEV and In	\$330,490.00	No
ML18051	City of Rancho Cucamonga	3/1/2019	10/31/2025	4/30/2027	\$91,500.00	\$72,500.00	Purchase 6 Light-Duty ZEVs, Install 3 Limite	\$19,000.00	No
ML18055	City of Long Beach	11/29/2018	11/28/2026		\$622,220.00	\$302,401.53	Install EV Charging Stations	\$319,818.47	No
ML18057	City of Carson	10/5/2018	7/4/2023	12/15/2026	\$106,250.00	\$50,000.00	Purchase 5 Zero-Emission Vehicles and Infr	\$56,250.00	No
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
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
ML18060	County of Los Angeles Internal Servi	10/5/2018	8/4/2026	8/4/2028	\$1,367,610.00	\$724,868.96	Purchase 29 Light-Duty Zero Emission Vehi	\$642,741.04	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
ML18064	City of Eastvale	11/29/2018	4/28/2026	4/28/2028	\$80,400.00	\$28,457.43	Purchase 2 Light-Duty, One Medium-Duty. Z	\$51,942.57	No
ML18067	City of Pico Rivera	9/7/2018	11/6/2022	6/6/2026	\$83,500.00	\$0.00	Install EVSE	\$83,500.00	No
ML18068	City of Mission Viejo	7/31/2019	6/30/2027		\$86,940.00	\$10,000.00	Purchase 2 Light-Duty ZEVs & Install EVSE	\$76,940.00	No
ML18069	City of Torrance	3/1/2019	7/31/2027		\$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 Medium-Duty Vehicles and EV Ch	\$900,000.00	No
ML18084	City of South El Monte	10/18/2019	9/17/2023	9/17/2024	\$30,000.00	\$0.00	EV Charging Infrastructure	\$30,000.00	No
ML18089	City of Glendora	7/19/2019	4/18/2025	10/18/2028	\$50,760.00	\$0.00	Purchase a medium-duty ZEV	\$50,760.00	No
ML18091	City of Temecula	1/19/2019	7/18/2023	3/18/2026	\$141,000.00	\$0.00	Install Sixteen EV Charging Stations	\$141,000.00	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
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
ML18094	City of Laguna Woods	7/12/2019	12/11/2024		\$50,000.00	\$0.00	Install Two EV Charging Stations	\$50,000.00	No
ML18101	City of Burbank	2/1/2019	4/30/2024	10/30/2024	\$137,310.00	\$0.00	Install Twenty EV Charging Stations	\$137,310.00	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
ML18132	City of Montclair	4/5/2019	9/4/2023	9/4/2026	\$40,000.00	\$0.00	Install Eight EVSEs	\$40,000.00	No
ML18134	City of Los Angeles Dept of General	5/3/2019	5/2/2028		\$290,000.00	\$0.00	Purchase Five Medium-Duty ZEVs	\$290,000.00	No
ML18135	City of Azusa	12/6/2019	12/5/2029		\$55,000.00	\$0.00	Purchase Three Light-Duty ZEVs and One H	\$55,000.00	No
ML18141	City of Rolling Hills Estates	2/14/2020	1/13/2024	4/13/2026	\$40,000.00	\$10,000.00	Purchase One Light-Duty ZEV and Install T	\$30,000.00	No
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
ML18145	City of Los Angeles Dept of Transpor	1/10/2020	4/9/2027	4/9/2028	\$1,400,000.00	\$0.00	Provide One Hundred Rebates to Purchaser	\$1,400,000.00	No
ML18146	City of South Gate	3/1/2019	11/30/2023	11/30/2026	\$127,400.00	\$50,000.00	Purchase Five Light-Duty ZEVs and Install T	\$77,400.00	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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18148	City of San Dimas	1/21/2022	5/20/2023	5/20/2024	\$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
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
ML18163	City of San Clemente	3/8/2019	12/7/2024	12/7/2025	\$85,000.00	\$70,533.75	Purchase Four Light-Duty ZEVs and EV Cha	\$14,466.25	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
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
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
MS18015	Southern California Association of G	7/13/2018	2/28/2021	11/30/2023	\$2,000,000.00	\$415,803.97	Southern California Future Communities Par	\$1,584,196.03	No
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	No
MS18024	Riverside County Transportation Co	6/28/2018	8/27/2021	8/31/2024	\$1,500,000.00	\$902,260.00	Vanpool Incentive Program	\$597,740.00	No
MS18027	City of Gardena	11/2/2018	9/1/2026	1/1/2028	\$365,000.00	\$0.00	Install New Limited Access CNG, Modify Mai	\$365,000.00	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
MS18065	San Bernardino County Transportatio	3/29/2019	8/28/2023		\$2,000,000.00	\$2,000,000.00	Implement Metrolink Line Fare Discount Pro	\$0.00	No
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
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
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		\$275,000.00	\$61,747.29	Install New Limited-Access CNG Infrastructu	\$213,252.71	No
MS18180	Omnitrans	8/4/2022	8/3/2023		\$83,000.00	\$0.00	Modify Vehicle Maintenance Facility and Trai	\$83,000.00	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
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

Total: 56

Pending Execution Contracts

ML18185	City of Wildomar				\$25,000.00	\$0.00	Install Bicycle Trail	\$25,000.00	No
---------	------------------	--	--	--	-------------	--------	-----------------------	-------------	----

Total: 1

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
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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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
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
MS18184	Clean Energy				\$1,000,000.00	\$0.00	Install Publicly Accessible Hydrogen Fueling	\$1,000,000.00	No

Total: 27

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
ML18049	City of Downey	7/6/2018	5/5/2023		\$148,260.00	\$148,116.32	Install EV Charging Stations	\$143.68	Yes
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
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
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
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
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
ML18130	City of Lake Forest	3/1/2019	9/30/2022		\$106,480.00	\$106,480.00	Install Twenty-One EVSEs	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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
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
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
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
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
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

Total: 40

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
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: 7

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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18033	City of Duarte	8/8/2018	2/7/2025		\$50,000.00	\$50,000.00	Purchase 1-HD ZEV	\$0.00	Yes
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
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
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
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
ML18056	City of Chino	3/29/2019	9/28/2023		\$103,868.00	\$103,868.00	Install EV Charging Infrastructure	\$0.00	Yes
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
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
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
ML18079	City of Pasadena	12/7/2018	11/6/2023		\$183,670.00	\$183,670.00	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
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
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
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
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
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
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
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
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
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
ML18169	City of Alhambra	6/14/2019	8/13/2024		\$111,980.00	\$111,980.00	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?
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
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
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
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: 53

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

FY 2018-2021 Contracts

Open Contracts

MS21002	Better World Group Advisors	11/1/2019	12/31/2022	12/31/2024	\$448,154.00	\$184,320.55	Programmatic Outreach Services	\$263,833.45	No
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	No
MS21005	Southern California Association of G	5/5/2021	1/31/2024	7/31/2025	\$16,751,000.00	\$53,504.51	Implement Last Mile Goods Movement Progr	\$16,697,495.49	No
MS21006	Geographics	4/1/2021	6/20/2023	6/20/2025	\$20,152.00	\$9,656.75	Hosting & Maintenance of the MSRC Websit	\$10,495.25	No
MS21007	Penske Truck Leasing Co., L.P.	4/1/2022	3/31/2028		\$1,000,000.00	\$957,812.40	Deploy 5 Zero-Emission Yard Tractors	\$42,187.60	No
MS21009	ITS Technologies & Logistics, LLC	7/15/2022	7/14/2028		\$1,686,900.00	\$0.00	Deploy 12 Zero-Emission Yard Tractors	\$1,686,900.00	No
MS21010	MHX, LLC	9/29/2021	1/28/2028		\$569,275.00	\$0.00	Deploy One Zero-Emission Overhead Crane	\$569,275.00	No
MS21013	4 Gen Logistics	3/27/2022	5/26/2028		\$7,000,000.00	\$0.00	Deploy 40 Zero Emssion Trucks	\$7,000,000.00	No
MS21014	Green Fleet Systems, LLC	8/31/2021	8/30/2027		\$500,000.00	\$270,000.00	Deploy up to 5 Near Zero Emission Trucks	\$230,000.00	No
MS21015	Premium Transportation Services, In	9/22/2021	5/21/2027		\$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
MS21017	MHX, LLC	9/29/2021	9/28/2030		\$1,900,000.00	\$0.00	Deploy up to 10 Zero-Emission Trucks & Infr	\$1,900,000.00	No
MS21018	Pac Anchor Transportation, Inc.	8/17/2021	8/16/2027	8/16/2028	\$2,300,000.00	\$0.00	Deploy up to 23 Near Zero Emission Trucks	\$2,300,000.00	No
MS21019	Volvo Financial Services	3/31/2022	3/30/2030		\$3,930,270.00	\$1,095,869.15	Lease up to 14 Zero-Emission Trucks and P	\$2,834,400.85	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
MS21025	Costco Wholesale	12/9/2022	12/8/2028		\$160,000.00	\$0.00	Install Five EV Charging Units	\$160,000.00	No

Total: 16

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

Total: 2

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

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
---------	------------------------	-----------	-----------	--	----------------	--------	--	----------------	----

Total: 1

Pending Execution Contracts

MS24002	South Pasadena Police Department				\$499,789.00	\$0.00	Procure Zero-Emission Vehicles and Infrastr	\$499,789.00	No
MS24003	Omnitrans				\$315,278.00	\$0.00	Bloomington Microtransit Service Expansion	\$315,278.00	No
MS24004	City of Seal Beach				\$162,891.00	\$0.00	Circuit Transit Shared Mobility	\$162,891.00	No
MS24005	City of Huntington Beach				\$279,186.00	\$0.00	Circuit Transit Rideshare Program	\$279,186.00	No
MS24006	Anaheim Transportation Network				\$322,000.00	\$0.00	Old Towne Orange Microtransit Service	\$322,000.00	No
MS24007	City of Gardena				\$475,312.00	\$0.00	Gtrans Microtransit Service	\$475,312.00	No
MS24008	City of Long Beach				\$410,312.00	\$0.00	Circuit Transit Mobility Transit Expansion Pr	\$410,312.00	No

Total: 7



Cont#	Contractor	Start Date	Original	Amended	Dec	Jan '23	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
			End Date	End Date										
Open Contracts														
ML14021	Riverside County Regional Park	07/24/14	12/23/16	09/30/24	01/26/23	Sent NOB								
ML14027	County of LA Dept of Public Works	10/02/15	05/01/23	08/01/28										
Total 2														

2012-14 AB2766 Contract Progress Reports

Cont#	Contractor	Start Date	Original End Date	Amended End Date	Reporting	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Open Contracts													
MS14057	Los Angeles County MTA	11/07/14	10/06/19	10/06/23	Quarterly								
MS14059	Riverside County Transportation Commission	09/05/14	03/04/18	07/04/23	Quarterly	02/17/23			WL				
MS14072	San Bernardino Associated Governments	03/27/15	03/26/18	03/26/24	Quarterly		03/01/23			06/30/23			
Total: 3													

Legend: W.L. = Warning Letter Sent

2014-16 AB2766 Contract Progress Reports

Cont#	Contractor	Start Date	Original End Date	Amended End Date	Reporting	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Open Contracts													
ML16006	City of Cathedral City	04/27/16	04/26/22	04/26/23	Quarterly			FR Re'd					
ML16017	City of Long Beach	02/05/16	08/04/23	05/04/29	Quarterly				05/16/23				
ML16022	Los Angeles Department of Water and Power	05/05/17	03/04/24	06/04/28	Quarterly		03/02/23			06/07/23			
ML16025	City of South Pasadena	06/22/16	04/21/23	10/21/24	Quarterly								
ML16039	City of Torrance Transit Department	01/06/17	09/05/22	09/05/24	Quarterly								
ML16047	City of Fontana	01/06/17	08/05/19	08/05/24	Quarterly								
ML16057	City of Yucaipa	04/27/16	01/26/19	01/26/24	Quarterly								
ML16075	City of San Fernando	10/27/16	02/26/19	08/26/24	Quarterly								
ML16077	City of Rialto	05/03/18	10/02/21	02/02/26	Quarterly								
MS16094	Riverside County Transportation Commission	01/25/17	01/24/22	02/24/24	Quarterly		07/03/23			07/03/23			
MS16110	City of Riverside	10/06/17	02/05/25	10/05/26	Quarterly								
MS16121	Long Beach Transit	11/03/17	04/02/24	11/30/28	Quarterly								
MS16123	Orange County Transportation Authority	12/07/18	11/06/23		Quarterly		04/18/23						

13

Legend: WL = Warning Letter Sent

2016-18 AB2766 Contract Progress Reports

Cont#	Contractor	Start Date	Original End Date	Amended End Date	Reporting	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Open Contracts													
ML18031	City of Diamond Bar	09/07/18	11/06/25	11/06/27	Quarterly								
ML18036	City of Indian Wells (la)	08/08/18	05/07/23	05/07/26	Quarterly	FR Rec'd							
ML18046	City of Santa Ana (la)	11/09/18	07/08/26		Quarterly								
ML18047	City of Whittier (la)	08/08/18	04/07/26	01/07/29	Quarterly								
ML18050	City of Irvine (la)	09/07/18	08/06/23		Quarterly								
ML18051	City of Rancho Cucamonga (la)	03/01/19	10/31/25	04/30/27	Quarterly			07/12/23					
ML18055	City of Long Beach (la)	11/29/18	11/28/26		Quarterly		06/09/23						
ML18057	City of Carson	10/05/18	07/04/23	12/15/26	Quarterly								
ML18058	City of Perris	10/12/18	11/11/24	11/11/28	Quarterly								
ML18059	City of Glendale	02/01/19	07/31/26	01/31/28	Quarterly								
ML18060	County of Los Angeles Internal Services Dept (la)	10/05/18	08/04/26	08/04/28	Quarterly								
ML18063	City of Riverside (la)	06/07/19	01/06/27	03/06/28	Quarterly								
ML18064	City of Eastvale	11/29/18	04/28/26	10/28/28	Quarterly								
ML18067	City of Pico Rivera	09/07/18	11/06/22	06/06/26	Quarterly								
ML18068	City of Mission Viejo (la)	07/31/19	06/30/27		Quarterly								
ML18069	City of Torrance (la)	03/01/19	07/31/27		Quarterly								
ML18078	County of Riverside (la)	10/05/18	10/04/28		Quarterly								
ML18082	City of Los Angeles (la)	08/30/19	08/29/28	08/29/29	Quarterly		06/27/23						
ML18084	City of South El Monte	10/18/19	09/17/23	09/17/24	Quarterly								
ML18089	City of Glendora	07/18/19	04/18/25	10/18/28	Quarterly								
ML18091	City of Temecula	01/19/19	07/18/23		Quarterly								
ML18092	City of South Pasadena (la)	02/01/19	01/31/25	04/30/27	Quarterly								
ML18093	City of Monterey Park	02/01/19	02/28/26	10/31/28	Quarterly								
ML18094	City of Laguna Woods	07/12/19	12/11/24		Quarterly								
ML18101	City of Burbank	02/01/19	04/30/24	10/30/24	Quarterly								
ML18129	City of Yucaipa (la)	12/14/18	03/13/23	03/13/26	Quarterly								
ML18132	City of Montclair	04/05/19	09/04/23	09/04/26	Quarterly		WL	07/06/23					
ML18134	City of Los Angeles (la)	05/03/19	05/02/28		Quarterly								
ML18135	City of Azusa	12/06/19	12/05/29		Quarterly								
ML18137	City of Wildomar	03/01/19	05/31/21	12/01/22	Quarterly								
ML18141	City of Rolling Hills Estates	02/14/20	01/13/24	01/13/25	Quarterly								
ML18144	City of Fontana	10/04/19	12/03/23		Quarterly								

ML18145	City of Los Angeles	01/10/20	04/09/27	04/09/28	Quarterly								
ML18146	City of South Gate (la)	03/01/19	11/30/23	11/30/26	Quarterly		06/27/23						
ML18147	City of Palm Springs (la)	01/10/19	01/09/24	07/09/26	Quarterly								
ML18148	City of San Dimas	01/21/22	05/20/23	05/20/24	Quarterly								
ML18151	County of San Bernardino Department of Public	08/25/20	10/24/29		Quarterly								
ML18152	County of San Bernardino Flood Control District	08/11/20	10/10/29		Quarterly								
ML18159	City of Rialto (la)	12/13/19	05/12/24	09/19/25	Quarterly								
ML18163	City of San Clemente	03/08/19	12/07/24	12/07/25	Quarterly								
ML18166	City of Placentia	02/18/21	05/17/27		Quarterly								
ML18177	City of San Bernardino	06/07/19	12/06/26	12/06/28	Quarterly								
ML18178	City of La Puente (la)	11/01/19	11/30/25	11/30/28	Quarterly	05/10/23							
MS18015	Southern California Association of Governments	07/13/18	02/28/21	11/30/23	Quarterly								
MS18023	Riverside County Transportation Commission	06/28/18	06/27/21	03/31/23	Quarterly	FR Rec'd							
MS18024	Riverside County Transportation Commission	06/28/18	08/27/21	08/27/23	Quarterly								
MS18027	City of Gardena (la)	11/02/18	09/01/26	01/01/28	Quarterly								
MS18029	Irvine Ranch Water District	08/08/18	10/07/24	01/07/29	Quarterly								
MS18065	San Bernardino County Transportation Authority	03/29/19	08/28/23		Quarterly								
MS18073	Los Angeles County MTA	01/10/19	02/09/26		Quarterly		FR Rec'd						
MS18106	R.F. Dickson Co.	07/19/19	01/18/26		Quarterly								
MS18108	Capistrano Unified School District	02/01/19	05/30/25		Quarterly								
MS18180	Omnitrans	08/04/22	08/03/23		Quarterly								
MS18181	San Bernardino County Transportation Authority	04/10/23	09/09/30		Quarterly								
MS18182	Air Products and Chemicals Inc.	03/08/23	02/07/31		Quarterly								
MS18183	Nikola-TA HRS 1, LLC	09/28/22	01/27/30		Quarterly	05/16/23		07/13/23					

56

Legend: WL = Warning Letter Sent

2018-21 AB2766 Contract Progress Reports

Cont#	Contractor	Start Date	Original End Date	Amended End Date	Reporting	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Open Contracts													
MS21004	Los Angeles County MTA	01/07/21	05/31/23		Quarterly				FR Rec'd				
MS21005	Southern California Association of Gov'ts	05/05/21	01/31/24	07/31/25	Quarterly		04/27/23			07/26/23			
MS21007	Penske Truck Leasing, Inc.	04/01/22	03/31/28		Quarterly			FR Rec'd					
MS21009	ITS Technologies & Logistics, LLC (la)	07/15/22	07/14/28		Quarterly		03/24/23						
MS21010	MHX, LLC	09/29/21	01/28/28		Quarterly			06/04/23					
MS21011	RDS Logistics Group	01/21/22	07/20/28		Quarterly		WL						
MS21013	4 Gen Logistics (la)	03/27/22	05/26/28		Quarterly								
MS21014	Green Fleet Systems, LLC (la)	08/31/21	08/30/27	08/30/28	Quarterly		03/23/23						
MS21015	Premium Transportation Services, Inc. (la)	09/22/21	05/21/27		Quarterly		03/02/23						
MS21016	Ryder Integrated Logistics, Inc.	12/07/22	04/06/29		Quarterly								
MS21017	MHX, LLC	09/29/21	09/28/30		Quarterly			06/04/23					
MS21018	Pac Anchor Transportation, Inc. (la)	08/17/21	08/16/27	08/16/28	Quarterly								
MS21019	Volvo Financial Services (la)	03/31/22	03/30/30		Quarterly		04/06/23				07/18/23		
MS21023	BNSF Railway Company (la)	04/22/22	04/21/28	04/21/29	Quarterly								
MS21025	Costco Wholesale	12/09/22	12/08/28		Quarterly								

Total: 16

Legend: WL = Warning Letter Sent

Agenda Item #4

AB 2766 Discretionary Fund Financial Report

**AB 2766 Discretionary Fund
Financial Report - June 2023**

Available Funding (a)	\$ 52,005,292
Less Awards by Work Program: (b)	
FY 2016-18	-
FY 2018-21	-
FY 2021-24	(2,465,190)
Total Awards by Work Program:	\$ (2,465,190)
Less Balance of FY 2018-21 and FY 2021-24 Work Programs (funding not yet awarded)	\$ (550,000)
Sub-total - Surplus/(Deficit)	\$ 48,990,102
Estimated Revenue (d)	\$ 19,994,944
Estimated Available	<u>\$ 68,985,046</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 16-18, FY 18-21 & FY 21-24 Work Program Summary:

<u>FY 16-18 Work Program</u>	<u>Total</u>	<u>Executed Contracts</u>	<u>Awarded</u>	<u>Balance</u>
Major Event Center Transportation Program - (PA2015-13)	\$ 938,400	\$ 938,400	\$ -	\$ -
SCAG-Regional Active Transportation Program	\$ 2,500,000	\$ 2,500,000	\$ -	\$ -
MSRC Web-Site Development	\$ 60,753	\$ 60,753	\$ -	\$ -
Programmatic Outreach Coordinator	\$ 136,619	\$ 136,619	\$ -	\$ -
Major Event Center Transportation Program - (PA2017-05)	\$ 3,912,829	\$ 3,912,829	\$ -	\$ -
Natural Gas Infrastructure Program	\$ 2,945,000	\$ 2,945,000	\$ -	\$ -
Local Government Partnership	\$ 14,832,465	\$ 14,832,465	\$ -	\$ -
Technical Advisor - Work Program Portion	\$ 262,500	\$ 262,500	\$ -	\$ -
Hydrogen Infrastructure Projects	\$ 2,000,000	\$ 2,000,000	\$ -	\$ -
EV Charging Infrastructure Investments	\$ 254,795	\$ 254,795	\$ -	\$ -
SCAG-Future Communities Partnership Program	\$ 2,000,000	\$ 2,000,000	\$ -	\$ -
CTC Partnership Program	\$ 8,000,000	\$ 8,000,000	\$ -	\$ -
FY 16-18 Totals	\$ 37,843,361	\$ 37,843,361	\$ -	\$ -

<u>FY 2018-21 Work Program</u>	<u>Total</u>	<u>Executed Contracts</u>	<u>Awarded</u>	<u>Balance</u>
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	\$ 1,245,000	\$ 695,000	\$ -	\$ 550,000
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	\$ 2,322,000	\$ 2,322,000	\$ -	\$ -
FY 2018-21 Totals	\$ 60,876,096	\$ 60,326,096	\$ -	\$ 550,000

<u>FY 2021-24 Work Program</u>	<u>Total</u>	<u>Executed Contracts</u>	<u>Awarded</u>	<u>Balance</u>
Technical Advisor - Work Program Portion	\$ 289,275	\$ 289,275	\$ -	\$ -
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	\$ 1,965,401	\$ -	\$ 1,965,401	\$ -
FY 2021-24 Totals	\$ 4,145,013	\$ 1,679,823	\$ 2,465,190	\$ -

- (d) Annual estimated revenue for outyears is projected to be \$16.5 million per year based on FY 2021-22 revenue. Any change to Health & Safety Code 44243 could affect future revenue.

Note: MSRC Approved \$6 million for partnering with CEC and Caltrans on US DOT Charging and Fueling Infrastructure Grant Program

Agenda Item #5

Report on MSRC Outreach Activities



Memorandum

To: MSRC Technical Advisory Committee

From: Ruben Aronin, Senior Vice President
Sam Emmersen, Vice President of Programs
Better World Group

Date: July 26, 2023

Re: Spring 2023 – 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 three 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 May 8, BWG disseminated the City of South Pasadena/MSRC joint [news release](#) highlighting the MSRC's funding of zero-emission police vehicles and infrastructure for the City. The story was picked up by many [local and regional publications](#).
- On June 7, BWG wrote talking points and staffed MSRC Member Brian Berkson at the Schneider EV truck event. BWG also developed talking points and staffed MSRC Member Patrick Harper at the City of Rolling Hills Estates ribbon cutting for its new MSRC-funded EV chargers.
- On June 12, BWG posted a [news article](#) about the MSRC's leadership elections.
- On July 6, BWG drafted talking points and worked to coordinate a KNX interview with Chair McCallon.
- On July 24, BWG participated in the WattEV grand opening event of their electric heavy-duty truck depot at the Port of Long Beach. BWG also tried to secure a speaking role for an MSRC representative.
- June [Clean Air Road Map](#) e-newsletter
 - Profile on MSRC Member Mark Henderson
 - Profile on MSRC Member Curt Hagman
 - Highlights from the June 7 Schneider EV truck event and City of Rolling Hills Estates EV chargers event

- Data from the 2023 “State of the Air” report documenting the air quality in Los Angeles, Orange, Riverside, and San Bernardino Counties
- Updated the MSRC’s [Facebook](#) page with links to news and relevant stories and disseminated [tweets](#)

Task 3 – Development and Dissemination of Marketing/Promotional Materials

- Developed sample social media messaging for TAC and MSRC members to help promote the MSRC’s June electronic newsletter.

- **Tweet 1:**

The latest @cleantranspfund E-newsletter is here!

Read about new MSRC Members Mark Henderson and Curt Hagman, and MSRC-funded clean trucks and infrastructure.

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

- **Tweet 2:**

The @cleantranspfund E-news is hot off the (digital) press!

Learn more about our newest members Mark Henderson and Curt Hagman, and MSRC investments in zero-emission trucks and EV infrastructure.

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

Task 4 – Participation in Meetings and Events

- Participated in bi-monthly check-in calls with Cynthia Ravenstein, Contracts Administrator
- Participated in monthly CARB/NGOs call re: state regulatory policy updates
- Participated in monthly Green CA calls re: state legislative and regulatory policies
- Participated in monthly SCAQMD Legislative Committee meetings

Task 5 – Strategic Market Direction for MSRC Work Programs

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

August - October Anticipated Activity Highlights and Opportunities

- Work with interested MSRC TAC and Members to participate in social media promotion of MSRC activities
- Track state legislative and regulatory priorities including clean transportation funding initiatives

Agenda Item #6

Consider Contract Term Extension by
Los Angeles County MTA



MSRC-TAC Agenda Item No. 6

DATE: August 3, 2023

FROM: Ray Gorski on behalf of Cynthia Ravenstein, MSRC Contracts Administrator

SUBJECT: Three (3) Year Extension Request for Los Angeles Metro Contract No. MS14057, Signal Synchronization Partnership Program

SYNOPSIS: LA Metro requests a three (3) year contract term extension to complete three (3) corridors included in the Signal Synchronization Partnership Program. As described in the attached letters from LA Metro, the project implementation schedule has been impacted by the COVID-19 pandemic, including both post-COVID cost escalation, as well as the residual impacts on labor availability.

One signal synchronization corridor has expended all MSRC funding, but has not yet completed construction. The MSRC funding associated with this corridor, the South Bay Forum – Prairie Avenue program element, is \$248,400. LA Metro has not yet requested reimbursement for this amount, and no funds have been paid by MSRC to date on the contract.

Note that the Contract states “No funds shall be paid out to Contractor (LA Metro) pursuant to this contract, until the project described in Attachment 1 (SOW) is completed and proof of completion supplied to SCAQMD.” LA Metro represents in their attached letter that none of the three (3) project corridors will be completed prior to the contract end date of October 6, 2023.

FINANCIAL IMPACT: Approval has no financial impact as MSRC Discretionary Funds have already been allocated under a prior Work Program. Denial would result in up to \$1,250,000 reverting back to the MSRC Discretionary Fund unallocated balance..

RECOMMENDATIONS: The MSRC Contracts Administrator denied LA Metro’s extension request, citing the guideline that the contract had already been extended for greater than two (2) years, and the current extension request is for a term greater than one (1) additional year.

ATTACHMENTS: Contractor’s request letter; Contracts Administrator denial of contract request; Contractor request for appeal

Contractor: Los Angeles County Metropolitan Transportation Authority (LA Metro)

Project Title: Signal Synchronization Partnership Program



MSRC Funding: \$1,250,000

Project Term: November 7, 2014 to October 6, 2023

Request: Three year contract term extension ending October 31, 2026

Contract had two (2) prior modifications totaling four (4) years. Most recent contract modification was executed in October 2020 extending the contract term until October 6, 2023.

Project Description: The Los Angeles County Metropolitan Transportation Authority (LA Metro) requests a three (3) year contract term extension to complete three (3) synchronized traffic signal corridors. These include the South Bay Forum – Prairie Avenue, San Gabriel Valley forum – Olympic Blvd., and the Gateway Cities Forum, which comprises both Washington Blvd. and South Street.

None of the three corridors have been completed. The MSRC funding associated with the South Bay Forum – Prairie Avenue corridor has been fully expended by LA Metro – this equates to \$248,400 of the total \$1,250,000 MSRC contract value. LA Metro has not yet requested reimbursement for this amount, and no funds have been paid by MSRC to date on the contract.

In their attached letter requesting the three-year contract term extension, LA Metro cites the impacts of the COVID-19 pandemic, which according to LA Metro has resulted in increased costs and a protracted labor shortage.

The MSRC contract states that *“No funds shall be paid out to Contractor (LA Metro) pursuant to this contract, until the project described in Attachment 1 (SOW) is completed and proof of completion supplied to SCAQMD.”* LA Metro represents in their attached letter that none of the three (3) project corridors will be completed prior to the contract end date of October 6, 2023.

Contract Modification Request: LA Metro requests a three (3) year contract term extension to complete construction activities on the three signal synchronization corridors included in the contract. The proposed end date is October 31, 2026.

Option 1 - Deny: The Committee can choose to follow the MSRC Contract Administrator’s recommendation and deny LA Metro’s request. As discussed in the attached letter from the MSRC Contracts Administrator, denial was based on specific guidelines, in this case that extension will not be granted for contracts that have previously been extended for a total of more than two (2) years, and that the current extension request is for a term greater than one (1) year.

Given that no project elements will be fully completed by the current end date, the MSRC would not be obligated to reimburse LA Metro for any expenses incurred, including those that were expended in anticipation of the receipt of MSRC funds upon reimbursement. The allocated contract amount of \$1,250,000 would revert to the MSRC Discretionary Fund for future programming.



The status of project implementation in the event of a contract modification denial is unclear – LA Metro states in their attached letter that Los Angeles County Public Works, a project partner, would lose Metro grant funding and need to either seek additional funding or abandon project construction.

Option 2 – Approve: If the requested extension granted Committee approval, the contract will be amended to extend the period of performance from the current October 6, 2023 end date until October 31, 2026.

Option 3 – Approve with Conditions: The MSRC retains the discretion to approve specific statement of work elements of the LA Metro Signal Synchronization Partnership Program, or approve the extension with conditions applied in consideration of granting the extension request. This could include, but is not limited to, modifying the contract language to include a provision that the MSRC action is the final extension, that no additional extensions will be considered, and that MSRC reimbursement will only be considered for statement of work elements that are fully completed within the final extension.



Metro

Los Angeles County
Metropolitan Transportation Authority

One Gateway Plaza
Los Angeles, CA 90012-2952

213.922.2000 Tel
metro.net

May 22, 2023

Matt Mackenzie
MSRC/AB2766
21865 Copley Drive
Diamond Bar, CA 91765

Subject: Funding Extension Request MSRC Contract #MS14057

Dear Mr. Mackenzie:

This letter is to provide justification for the extension of funds for Contract #MS14057. The scope consists of three projects: South Bay Corridor Project, Gateway Cities Corridor Projects, and the San Gabriel Valley Corridor Project. A justification summarizing the length of extension requested, project status, reasons for delay, mitigation efforts, and consequences of denial has been prepared for each respective project.

F1311 - South Bay Forum (Prairie Avenue TSSP)

The design phase for the South Bay Corridor Project was completed in August 2022. The construction started in March 2023. As of the 3rd quarter of FY2022-23, all grant funds have been expended.

Due to cost increases post-COVID-19, our partners at Los Angeles County Public Works (LACPW) were not able to receive funding commitments from cities despite increased interactions and had to identify and confirm eligible funding sources to cover the funding deficiency. Further, a lengthy low-bid advertisement process paired with department re-organization following the COVID-19 complication of labor shortage in the Los Angeles County Metropolitan area caused the internal delay. To mitigate this, LACPW developed an internal re-organization strategy focused on project management to speed up the construction delivery process. Given the project was identified as a high priority, divisions involved with the project assigned appropriate resources to expedite delivery. All issues were resolved, and the construction contract was successfully awarded with start of construction in March 2023.

Unforeseen factors impacting the current schedule will delay construction completion beyond October 2023 and impact LACPW reimbursement for the remaining portion of the construction cost.

F1321- San Gabriel Valley Forum (Olympic Boulevard TSSP)

The design phase for the San Gabriel Valley Corridor Project was completed in October 2022 and the Plans, specifications, and estimate (PS&E) package was advertised in March 2023.

Performing an engineer's estimate without historical data that mirrored post-COVID-19 cost increases proved challenging and required lessons learned from the recent Prairie Avenue TSSP advertisement and bidding to confirm the engineer's estimate for the PS&E package. Due to the significant change in the cost estimate, LACPW had to re-engage cities for their commitments in funding contribution which required increased interaction. Further, a lengthy low-bid advertisement process paired with department re-organization following the COVID-19 complication of labor shortage caused an internal delay. To mitigate this, LACPW developed an internal re-organization strategy focused on project management to speed up the construction delivery process. Given the project was identified as a high priority, divisions involved with the project assigned appropriate resources to expedite delivery. LACPW was persistent in communicating with cities to execute funding agreements and avoid further delay.

Although the project was already advertised, construction will not be completed before the current termination date of October 2023. This means LACPW will lose the remaining grant funding from Metro to cover the construction cost and may need to seek an alternative funding source to cover construction costs. In addition, the County may have to return local match funds to the cities of Commerce and Montebello for their contributions or enter into new agreements.

F1312-Gateway Cities Forum (Washington Blvd TSSP and South St TSSP)

Washington Blvd TSSP:

The design phase for the Washington Blvd TSSP portion of the Gateway Cities Corridor Project was completed in June 2022 and the construction contract is scheduled for advertisement in June 2023, with an anticipated construction start date in January 2024.

Significant changes to the final design plans were needed after receiving city input. Additionally, after design plans were completed, LACPW was notified of city projects scheduled within the same project area which posed potential conflicts. Therefore, an additional review was necessary to ensure that there were, in fact, no conflicts. After the conclusion of the design phase, LACPW had to re-engage cities for their funding commitments, resulting in increased interaction and delays. Further, a lengthy low-bid advertisement process paired with department re-organization following the COVID-19 complication of labor shortage caused an internal delay.

To mitigate these challenges, LACPW developed an internal re-organization strategy focused on project management to expedite the construction delivery process. Given the the project was identified as a high priority, the divisions involved allocated appropriate resources to expedite delivery. LACPW remained persistent in communicating with cities to execute funding agreements and avoid further delay.

Project construction will not be completed before the current termination date of October 2023. This means LACPW will lose the remaining grant funding from Metro to cover the construction costs and may need to pursue an alternative funding source. In addition, LACPW may be required to return local match funds to the cities of Commerce, Montebello, Pico Rivera, and Santa Fe Springs for their contributions or enter into new agreements.

South St TSSP:

The design phase for the South St TSSP portion of the Gateway Cities Corridor Project will be completed in May 2023 with the construction contract scheduled for advertisement in December 2023.

There were challenges during the process of requesting local match funding contributions from the cities, resulting in delays to the start of the design phase. The cities took longer than expected in their review of the preliminary recommendations, and two cities decided not to participate after extensive interactions. Further, the City of Long Beach requested accommodation of additional work that was not part of the regular TSSP scope, which required extensive communications between agencies and delayed the design completion. Unfortunately, the city engineer for Long Beach passed away, leaving a void of communication with LACPW for a while. LACPW had to re-engage and refresh the new city engineer on the project to reach new agreements. Further, a lengthy low-bid advertisement process paired with department re-organization following the COVID-19 complication of labor shortage caused an internal delay. To mitigate further delays, LACPW developed an internal re-organization strategy focused on project management to expedite the construction delivery process. As the project was identified as a high priority, the divisions involved allocated appropriate resources to expedite delivery.

Project construction will not be completed before the current termination date of October 2023. This means LACPW will lose the remaining grant funding from Metro to cover the construction costs and may need to pursue alternative funding sources. In addition, LACPW may be required to return local match funds to the City of Long Beach for its contributions or enter into a new agreement.

To implement the projects within this Contract #MS14057 we are requesting a three-year extension for a new lapse date of October 31, 2026.

Should you have any questions or concerns, please feel free to contact me at (213) 418-3285.

Sincerely,

Eva Moon

Digitally signed by: Eva Moon
DN: CN = Eva Moon email =
easmoon@metro.net C = AD
Date: 2023.05.23 13:40:02 -0800

Eva Moon
Sr. Manager, Transportation Planning

Cc: Steven Gota, Executive Officer, Shared Mobility, Metro
Tyrone Crump, Manager, Grants Management & Oversight, Metro

May 24, 2023

Eva Moon
Senior Manager, Transportation Planning
Los Angeles County Metropolitan Transportation Authority
One Gateway Plaza
Los Angeles, CA 90012-2952

RE: MSRC Contract #MS14057 Extension Request

Dear Ms. Moon:

MSRC staff have received LA Metro's request for a three-year term extension of the above-referenced contract for the implementation of various signal synchronization projects.

Pursuant to the MSRC's Policy on Contract Modifications as last modified in February 2022 (attached), as Contracts Administrator I have the responsibility to assess the request and determine if there is an adequate case for approval (Section B.7). Upon review of the City's request and the previous history of Contract #MS14057, I hereby deny LA Metro's request for a three-year term extension because it falls into the following category: the contract has previously been extended for a total of two years or more, and the current request is for greater than one year.

LA Metro has the option to appeal this denial to the MSRC. If LA Metro desires to pursue this course, please submit a letter requesting MSRC review of the denial. **We need to receive such letter no later than June 30, 2023.**

Should you have any questions, please don't hesitate to contact me at 909-396-3269 or the email below.

Sincerely,



Cynthia Ravenstein
MSRC Contracts Administrator
Cynthia@CleanTransportationFunding.org

cc: Tyrone Crump



Metro

Los Angeles County
Metropolitan Transportation Authority

One Gateway Plaza
Los Angeles, CA 90012-2952

213.922.2000 Tel
metro.net

June 26, 2023

Cynthia Ravenstein
MSRC/AB2766
21865 Copley Drive
Diamond Bar, CA 91765

Subject: Funding Extension Request MSRC Contract #MS14057

Dear Ms. Cynthia:

The Los Angeles County Metropolitan Transportation Authority (Metro) is appealing the denial of our request for a three-year term extension of MSRC Contract #MS14057 and requests MSRC review of the denial. A contract extension has previously been granted beyond two years; however, we are requesting a new lapse date of October 31, 2026 in response to the COVID-19 pandemic impact on the costs of goods/services and the labor market which significantly delayed the project schedule developed by Metro, Los Angeles County Public Works (LACPW), and our partner cities in conjunction with the extension period granted in amendment "B" to contract #MS14057.

We would like to schedule to appeal at the upcoming August TAC meeting.

We thank you for your consideration and look forward to hearing from you soon. Should you have any questions or concerns, please feel free to contact me at (213) 418-3285.

Sincerely,

Eva Moon

Digitally signed by Eva Moon
DN: CN = Eva Moon email = panmoone@metro.net C =
AD
Date: 2023.06.26 10:01:09 -0800

Eva Pan Moon
Sr. Manager, Transportation Planning

Cc: Steven Gota
Tyrone Crump

Agenda Item #7

Consider Modification to MOU With
Participating Truck Purchasers by Southern
California Association of Governments

MSRC-TAC Agenda Item No. 7

DATE: August 3, 2023

FROM: Ray Gorski on behalf of Cynthia Ravenstein, MSRC Contracts Administrator

SUBJECT: Consider Request by the Southern California Association of Governments (SCAG) to Allow Modification of MOU with Participating Truck Purchasers

SYNOPSIS: The MSRC's Last Mile Subcommittee had approved a memorandum of understanding (MOU) template for the last mile freight program administered by SCAG. Per the MOU with project participants, payments made prior to the execution of an MOU would not be reimbursed (that is, such payments would not be considered part of a required match). SCAG requests MSRC approve modification of the program and MOU, as needed, to allow reimbursements for payments made by truck purchasers before they entered into the original MOU with SCAG.

FINANCIAL IMPACT: None

RECOMMENDATIONS: Item will be heard at the August 3, 2023 MSRC-TAC meeting.

ATTACHMENTS: None

Contractor: Southern California Association of Governments

Project Title: Last Mile Freight Program

MSRC Funding: \$16,751,000

Request: Approve Modification to MOU with Project Participants

Project Description: The MSRC awarded the SCAG Clean Transportation funding™ to implement a Last Mile Freight Program. The purpose of the program is to assist freight companies and individual owner-operators in purchasing zero and near-zero medium and heavy-duty trucks that perform “last mile” freight delivery.

Contract Modification Request: The MSRC's Last Mile Subcommittee had approved a memorandum of understanding (MOU) template for the last mile freight program administered by SCAG. Per the MOU with project participants, payments made prior to the execution of an MOU would not be reimbursed (that is, such payments would not be considered part of a required match).

SCAG requests MSRC approve a modification of the program and MOU to allow reimbursements for payments made by truck purchasers before they entered into the original MOU with SCAG.

Agenda Item #8

Consider Modification to Project implementation Schedule by the
City of Huntington Beach



MSRC-TAC Agenda Item No. 8

DATE: August 3, 2023

FROM: Ray Gorski on behalf of Cynthia Ravenstein, MSRC Contracts Administrator

SUBJECT: Modification to Project Implementation Schedule, City of Huntington Beach Circuit Transit Rideshare Program

SYNOPSIS: This award has been approved by the MSRC and South Coast AQMD; however no contractual agreement has yet been executed. The City of Huntington Beach was awarded \$279,186 in MSRC **Clean Transportation Funding™** under MSRC RFP 2023-07 to implement a microtransit project. The proposed project was to commence microtransit operations in July 2023. As a result of funding received from the Orange County Transportation Authority (OCTA), the City now requests that the implementation schedule for the MSRC-funded microtransit service begin in July of year 2025.

FINANCIAL IMPACT: None

RECOMMENDATIONS: The MSRC Contracts Administrator recommends approval.

ATTACHMENTS: Contractor's request letter

Contractor: City of Huntington Beach (Unexecuted)

Project Title: Implement Circuit Transit Rideshare Program (microtransit)

MSRC Funding: \$279,186

Project Term: July 2023 to June 2024

Request: Increased scope and 17-month term extension

Project Description: The MSRC awarded the City of Huntington Beach \$279,186 to implement microtransit service. As proposed, the microtransit service would commence in July 2023. Subsequent to the MSRC award, Huntington Beach received an award from OCTA for the same microtransit service. The OCTA award will fully fund the first two fiscal years, FY 23/24, and FY 24/25. OCTA has given the City Notice to Proceed for the FY 23/24 microtransit service.

Contract Modification Request: The City of Huntington Beach requests that MSRC funding awarded under RFP 2023-07 and subsequently approved by the South Coast AQMD governing Board be applied to the third fiscal year of microtransit service operation. FY 25/26 microtransit service using MSRC Clean Transportation Funding™ would commence on July 1, 2025, two years from the originally proposed start

date. No South Coast AQMD contract on behalf of the MSRC has yet been executed with the City.



CITY OF HUNTINGTON BEACH

Public Works Department

Sean Crumby, PE
Director of Public Works

July 11, 2023

Ms. Cynthia Ravenstein
MSRC Contracts Administrator
21865 Copley Drive
Diamond Bar, CA 91765

RE: REQUEST FOR SCHEDULE MODIFICATION TO CIRCUIT TRANSIT RIDESHARE PROGRAM

Dear Ms. Ravenstein,

I want to thank you for the recent award in the amount of \$279,186 towards our Circuit Transit Rideshare Program. I also want to share with you that the Orange County Transportation Authority (OCTA) has awarded the City funding for the same program over a 2-year period starting immediately in FY 23/24 and ending in FY24/25. OCTA has already given a notice to proceed. In light of this great news, the City is requesting to program out the MSRC funding in FY25/26 instead of the originally proposed start date of FY23/24.

I hope you can accommodate our schedule request so that this program can continue another year and provide low cost rides to visitors and residents within Downtown Huntington Beach. We have also secured the 50% match from Senator Min's office which should be available next year. If you have any further questions, please feel free to contact me at 714-374-5345.

Sincerely,

Chau Vu,
Deputy Director of Public Works C:

Al Zelinka, City Manager

Agenda Item #9

Consider Funding Award to Prologis Under the
Publicly Accessible Goods Movement Zero-Emission Infrastructure Program

MSRC-TAC Agenda Item No. 9

DATE: August 3, 2023

FROM: Ray Gorski, MSRC Technical Advisor, on behalf of the Goods Movement Subcommittee

SUBJECT: Consider Funding Award to Prologis Under MSRC RFI 2023-01, Publicly Accessible Goods Movement Zero-Emission Infrastructure

SYNOPSIS: RFI 2023-01 was released on September 2, 2022, requesting submittal of Information Packages seeking partnerships to facilitate investment in zero-emission infrastructure to support the transition of goods movement trucks to zero-emissions within the South Coast AQMD region. A total of \$50M was allocated by the MSRC for this Work Program category. The RFI closing date was November 30, 2022.

An RFI Information Package was received by Prologis seeking MSRC funding to implement direct current fast charging and hydrogen at Prologis facilities. These Zero Emission Refueling Hubs are intended to support and accelerate the transition to battery electric and fuel cell heavy-duty trucks that dray containers from the San Pedro Bay Ports to Prologis logistics facilities located throughout the South Coast AQMD region.

In addition to submitting an Information Package to the MSRC, Prologis teamed with the South Coast AQMD seeking additional funding from the California State Transportation Agency (CalSTA) for expansion of the project for which funding was sought from the MSRC under RFI 2023-01. The South Coast AQMD was notified that CalSTA awarded the Prologis project \$38,930,570. The total project cost is \$206,332,019.

The South Coast AQMD and Prologis request that the MSRC join the SCAQMD/CalSTA/Prologis partnership and award \$11,679, 171 in **Clean Transportation Funding™** to implement elements of the project submitted in response to RFI 2023-01, augmented by substantial additional co-funding available from the CalSTA grant. Details of the proposed partnership funding contributions are described in the following Staff Report.

RECOMMENDATION:	The MSRC-TAC Goods Movement Subcommittee recommends a Clean Transportation Funding™ award to Prologis as detailed in the attached staff report, totaling \$11,679,171.
WORK PROGRAM IMPACT:	Clean Transportation Funding™ to Implement Zero-Emission Infrastructure projects will be allocated from the FY 2021-'24 MSRC Work Program.

Overview: RFI 2023-01 was released on September 2, 2022, seeking submittal of Information Packages seeking partnerships to facilitate investment in zero-emission infrastructure to support the transition of goods movement trucks to zero-emissions within the South Coast AQMD region. A total of \$50M was allocated by the MSRC for this Work Program category. The RFI closing date was November 30, 2022.

An RFI Information Package was received by Prologis seeking MSRC funding to implement direct current fast charging and hydrogen at Prologis facilities. These Zero Emission Refueling Hubs are intended to support and accelerate the transition to battery electric and fuel cell heavy-duty trucks that dray containers from the San Pedro Bay Ports to Prologis logistics facilities located throughout the South Coast AQMD region.

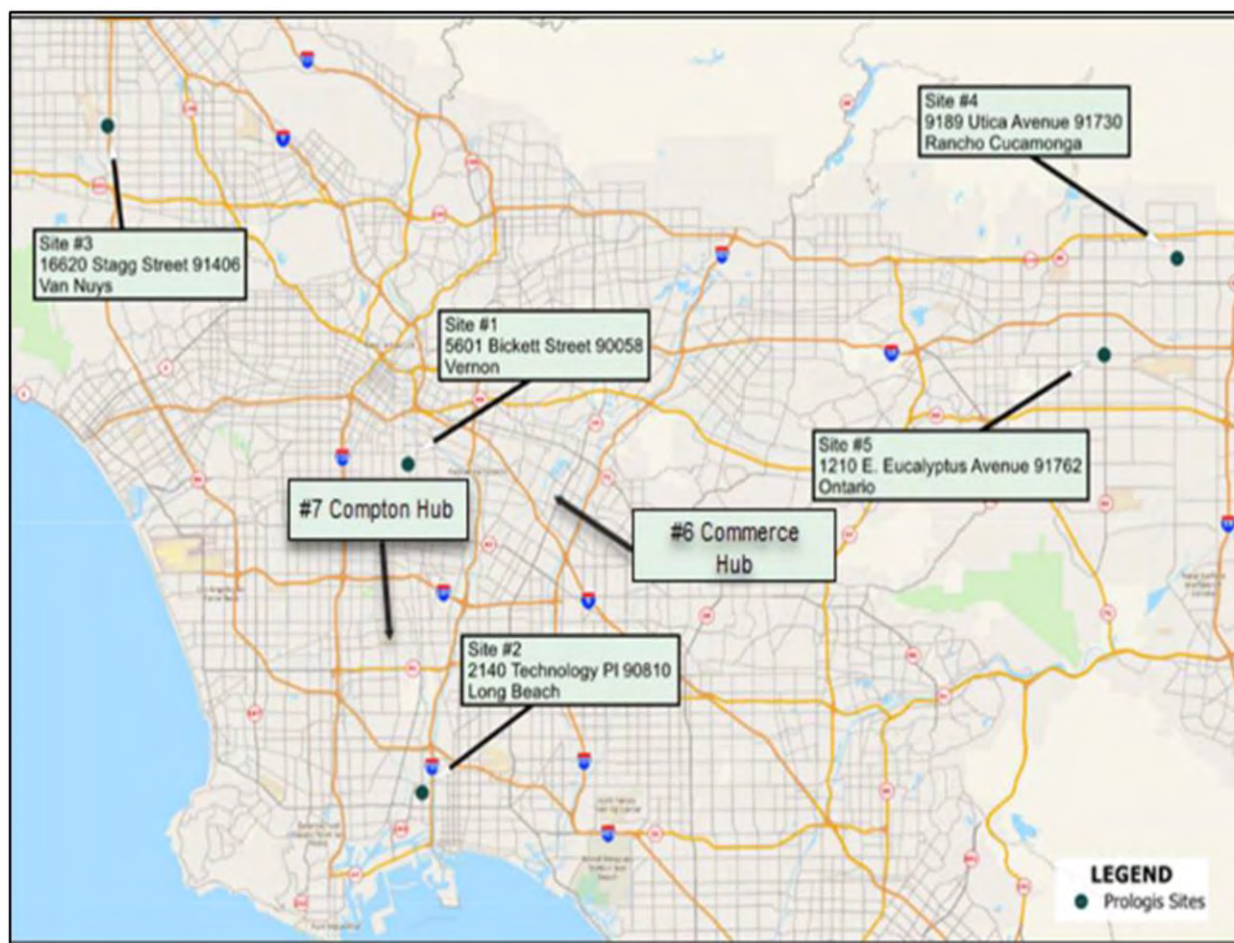
In addition to submitting an Information Package to the MSRC, Prologis teamed with the South Coast AQMD seeking additional funding from the California State Transportation Agency (CalSTA) for expansion of the project for which funding was sought from the MSRC under RFI 2023-01. The South Coast AQMD was notified that CalSTA awarded the Prologis project \$38,930,570. The total Project cost is \$206,332,019. The South Coast AQMD and Prologis request that the MSRC join the SCAQMD/CalSTA/Prologis partnership and award \$11,679, 171 in **Clean Transportation Funding™** to implement elements of the Project submitted in response to RFI 2023-01, augmented by substantial additional co-funding available from the CalSTA grant.

The Project includes the deployment of Direct Current Fast Chargers (DCFC) and hydrogen refueling dispensers at seven (7) Prologis logistics facility locations to support zero-emission drayage fleets. A total of 376 DCFC ports will be installed, as well as 19 hydrogen refueling dispensers across the seven (7) locations, all with Battery Electric Storage Systems (BESS) and on-site power generation, creating a resilient network to support diverse fleet fueling needs. More than 2,100 zero-emission trucks are expected to fill or charge at these stations. Prologis will financially support the development and launch of this Project alongside South Coast AQMD and MSRC. The Project could potentially support a larger zero-emission heavy-duty truck population when the 16,000 drayage trucks that operate in the South Coast AQMD region are replaced with zero-emission trucks.

High truck purchase costs, the lack of access to fast-charging infrastructure, and the cost of land are significant barriers for fleets and independent owner operators wanting to transition to zero-emission vehicle technology (ZEV), including battery electric and hydrogen fuel cell vehicles. The dollar amounts associated with the installation of ZEV infrastructure makes it difficult for smaller trucking fleets and independent owner operators to purchase ZE trucks.

Currently there are incentive programs available that provide significant subsidies to purchase zero-emission trucks, but the lack of fueling infrastructure does not allow these trucks to be utilized. As fleets are required to pivot to zero-emission trucks and carbon-neutral shipping, access to charging infrastructure will allow small fleets and independent owner operators to participate in this transition. The Zero Emission Refueling Hub locations are detailed in Figure 1.

Figure 1: Locations of Proposed Prologis Zero-Emission Hubs



The proposed Project is intended to accelerate the scalability of zero-emission technologies within the freight corridor, while also improving San Pedro Bay Ports throughput and improving air quality in priority communities. The Infrastructure component will deploy 188

DCFC chargers (376 total dispensers) and 19 hydrogen refueling dispensers across 7 South Coast AQMD sites, all with BESS and on-site power generation, creating a resilient network to support diverse fleet fueling needs.

The Zero-Emission Hubs are scalable and capable of replication along additional freight corridors within the South Coast AQMD region, serving additional communities, including disadvantaged or small fleet operators.

Each Project component will perform a 12-month demonstration period, during which time data will be collected from the Infrastructure Components provided in this Project. The Zero-Emission Hubs will continue their operation for at least seven (7) years. This data will then be summarized into a report and made available to industry stakeholders to support the creation of a zero-emission ecosystem. During the Infrastructure Component demonstration period, data will be collected from each hub, including detailed vehicle fuel use, mileage data, kWh consumed, peak demand in kW, percentage uptime of charging equipment, gallons of gasoline and / or diesel fuel displaced, and expected emission reductions.

The South Coast AQMD and Prologis, awarded CalSTA funds via a collaborative effort, have extensive experience in grant management, including managing EPA grants, preparing, and managing projects with commercial fleets, technology developers, and monitoring work progress. This Project will be implemented by a Technology Implementation Manager, Financial Analyst, Program Supervisor, Air Quality Specialist, Contract Assistant, and Deputy District Counsel.

Funding Request: The South Coast AQMD and Prologis request that the MSRC partner and provide co-funding under MSRC RFI 2023-01 to implement the Project originally proposed under the MSRC RFI, now expanded as a result of the funding provided by CalSTA. Table 1, below, illustrates the expansion of the Project resulting from the award of CalSTA funding:

Table 1: Original Project Scope as Submitted Under MSRC RFI & Expanded Project Scope Benefiting from CalSTA Funding Award

ORIGINAL RFI REQUEST		PROJECT EXPANSION WITH CALSTA FUNDING
Number of Locations	5	7
Number of DCFC Ports	284	376
Number of H ₂ Dispensers	15	19
MSRC Funding Request	\$35,000,000	\$11,679,171

As shown above in Table 1, the RFI Information Package submitted by Prologis to the MSRC requested \$35,000,000 in MSRC **Clean Transportation Funding™**. With the addition of CalSTA

funding, the project scope has been expanded to include two (2) additional Zero-Emission Hubs; however, the funding request has been reduced to \$11,679,171. Table 2, below, shows the relative funding contributions by South Coast AQMD/CalSTA, Prologis, and the requested funding from the MSRC:

Table 2: Project Funding Summary

SCAQMD/CalSTA	\$38,930,570
Prologis	\$155,722,278
MSRC Funding Requested	\$11,679,171
Total Project Cost	\$206,332,019

Table 3 shows the proposed deployment of zero-emission infrastructure across the seven hubs and the corresponding Project costs:

Table 3:

Site	Site Detail	Total Cost
Vernon Hub	18 (Dual-Port 360 KW) Chargers, 3 Linear Generators, 3 MWh Storage BESS	\$13,932,000
Long Beach Hub	12 (Dual-Port 360 KW) Chargers, 4 Linear Generators, 2 MWh Storage BESS	\$9,288,000
Van Nuys Hub	24 (Dual-Port 360 KW) Chargers, 6 Linear Generators, 4 MWh Storage BESS	\$33,576,000
	5 Hydrogen Dispensers	
Rancho Cucamonga Hub	54 (Dual-Port 360 KW) Chargers, 14 Linear Generators, 7 MWh Storage BESS	\$56,796,000
	5 Hydrogen Dispensers	
Ontario Hub	34 (Dual-Port 360 KW) Chargers, 9 Linear Generators, 5 MWh Storage BESS	\$41,316,000
	5 Hydrogen Dispensers	
Commerce Hub	22 (Dual-Port 360 KW) Chargers, 4 Linear Generators, 3 MWh Storage BESS	\$19,672,848
	2 Hydrogen Dispensers	
Compton Hub	24 (Dual-Port 360 KW) Chargers, 4 Linear Generators, 3 MWh Storage BESS	\$20,072,000
	2 Hydrogen Dispensers	

The proposed breakdown of MSRC funding across the seven (7) proposed Zero-Emission Hubs is shown in Table 4:

Table 4: Allocation of MSRC **Clean Transportation Funding™** to Project Sites

Project Location	CalSTA Award	Match Share, Prologis	MSRC Support Requested
Vernon Hub	\$2,786,400	\$11,145,600	\$835,920
Long Beach Hub	\$1,857,600	\$7,430,400	\$557,280
Van Nuys Hub	\$6,715,200	\$26,860,800	\$2,014,560
Rancho Cucamonga Hub	\$11,359,200	\$45,436,800	\$3,407,760
Ontario Hub	\$8,263,200	\$33,052,800	\$2,478,960
Commerce Hub	\$3,934,570	\$15,738,278	\$1,180,371
Compton Hub	\$4,014,400	\$16,057,600	\$1,204,320
Totals	\$38,930,570	\$155,722,278	\$11,679,171

Project Schedule: The truck Infrastructure Component is expected to be deployed by in Q1 2025. The detailed project scope, timeline, and milestones will be developed during contract formation.

Goods Movement Subcommittee Recommendation: The MSRC-TAC Goods Movement Subcommittee requests that the MSRC-TAC approve the recommendation to award Prologis **Clean Transportation Funding™** in the amount of \$11,679,171. This will be matched by \$194,652,848 from the South Coast AQMD award from CalSTA and funding contributed by Prologis as shown in Table 2.

Agenda Item #10

Consider Funding Award to Los Angeles Cleantech Incubator Under the
Publicly Accessible Goods Movement Zero-Emission Infrastructure Program

MSRC-TAC Agenda Item No. 10

DATE: August 3, 2023

FROM: Ray Gorski, MSRC Technical Advisor, on behalf of the Goods Movement Subcommittee

SUBJECT: Consider Conditional Funding Award to the Los Angeles Cleantech Incubator (LACI) Under MSRC RFI 2023-01, Publicly Accessible Goods Movement Zero-Emission Infrastructure

SYNOPSIS: RFI 2023-01 was released on September 2, 2022, requesting submittal of Information Packages seeking partnerships to facilitate investment in zero-emission infrastructure to support the transition of goods movement trucks to zero-emissions within the South Coast AQMD region. A total of \$50M was allocated by the MSRC for this Work Program category. The RFI closing date was November 30, 2022.

An Information Package was received by LACI seeking MSRC funding to implement zero-emission battery electric drayage truck recharging at sites located on Port of Los Angeles property. In a separate RFI response, the Los Angeles Harbor Department (Port of Los Angeles) submitted an Information Package seeking to establish a partnership with the MSRC to implement zero-emission truck refueling at sites located on, and in proximity to, Port property.

In addition to submitting an Information Package to the MSRC, LACI had requested federal funding to support two sites located at the Port of Los Angeles. LACI was successful in receiving \$1,500,000 in federal funding to co-fund transition of the two Port sites into publicly accessible battery electric drayage truck charging facilities.

The Port of Los Angeles has informed MSRC Staff of their support for the project, and has represented a co-funding contribution on the order of \$3,000,000. Due to the proximity of the two publicly accessible charging locations to the I-710 corridor, LA Metro has also indicated their support for the project, and will consider committing funding to the project.

LACI and the Port of Los Angeles have requested MSRC support of the project under RFI 2023-1. Both are respondents to the RFI, and both entities are

committing funding to the project. LACI and the Port of Los Angeles are requesting the MSRC commit \$3,000,000 in **Clean Transportation Funding™** towards the partnership with LACI, the Port, and LA Metro.

As discussed in the following Staff Report, disbursement of MSRC funding would be conditioned on successful selection of a site developer and operator, and securing co-funding commitments. LACI and the Port of Los Angeles request the MSRC make a conditional award at this time so as to demonstrate to potential site developers and operators that incentives are available to mitigate site development risk and support a third party operator business case.

RECOMMENDATION:	The MSRC-TAC Goods Movement Subcommittee recommends a conditional award of Clean Transportation Funding™ as detailed in the attached staff report, totaling \$3,000,000.
WORK PROGRAM IMPACT:	Clean Transportation Funding™ to Implement Zero-Emission Infrastructure projects will be allocated from the FY 2021-'24 MSRC Work Program.

Overview: RFI 2023-01 was released on September 2, 2022, requesting submittal of Information Packages seeking partnerships to facilitate investment in zero-emission infrastructure to support the transition of goods movement trucks to zero-emissions within the South Coast AQMD region. A total of \$50M was allocated by the MSRC for this Work Program category. The RFI closing date was November 30, 2022.

An Information Package was received by LACI seeking MSRC funding to implement zero-emission battery electric drayage truck recharging at sites located on Port of Los Angeles property. In a separate RFI response, the City of Los Angeles Harbor Department (Port of Los Angeles) submitted an Information Package seeking to establish a partnership with the MSRC to implement zero-emission truck refueling at sites located on, and in proximity to, Port property.

In addition to submitting an Information Package to the MSRC, LACI had requested federal funding to support two sites located at the Port of Los Angeles identified as locations to construct publicly accessible zero-emission drayage truck refueling.

LACI was successful in receiving \$1,500,000 in federal funding to co-fund transition of the two Port sites into publicly accessible battery electric drayage truck charging facilities.

To facilitate development of the two sites, the Port of Los Angeles is releasing a Request for Information seeking a developer and operator for the two charging facilities. The role of LACI is to act as project manager and administrator during development of the two sites. LACI was selected to serve as project manager and administrator by the City of Los Angeles. The Los Angeles Harbor Department, who manages the Port of Los Angeles, is supportive of having LACI act as project manager and is committing \$3,000,000 towards this project.

Due to the proximity of the two publicly accessible charging locations to the I-710 corridor, LA Metro has also indicated their support for the project, and will consider committing funding to the project.

LACI and the Port of Los Angeles have requested MSRC support of the project under RFI 2023-1. Both are respondents to the RFI, and both entities are committing funding to the project. LACI and the Port of Los Angeles are requesting the MSRC commit \$3,000,000 in **Clean Transportation Funding™** towards the partnership with LACI, the Port, and LA Metro.

The requested MSRC action is a conditional funding award. Any future disbursement of MSRC funding would be conditioned upon the following occurring to the satisfaction of the MSRC:

- Successful RFI Process & Selection of Site Developer;
- Co-Funding Commitments Formalized;
- LACI Successfully Assumes Role as Project Implementer on Behalf of the City of Los Angeles Harbor Department.

LACI and the Port of Los Angeles request the MSRC make the conditional award at this time so as to demonstrate to potential site developers and operators that incentives are available to mitigate site development risk and support a third party operator business case.

Project Schedule: The responses to the Port of Los Angeles-issue RFI will include a projected schedule for development of the two drayage truck charging sites.

Goods Movement Subcommittee Recommendation: The MSRC-TAC Goods Movement Subcommittee requests that the MSRC-TAC recommend to the MSRC that Clean Transportation Funding™ in the amount of \$3,000,000 be conditionally awarded to the Los Angeles Cleantech Incubator. This will be matched by co-funding contributed by the US Federal Government, the City of Los Angeles Harbor Department, and anticipated co-funding contributed by LA Metro..