



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

**AGENDA**

**Thursday, October 7, 2021 at 1:30 p.m.**

Pursuant to [Assembly Bill 361](#), the MSRC-TAC meeting will only be conducted via video conferencing and by telephone. Please follow the instructions below to join the meeting remotely.

**INSTRUCTIONS FOR ELECTRONIC PARTICIPATION AT BOTTOM OF AGENDA**

***Join Zoom Webinar Meeting - from PC or Laptop***

**<https://scagmd.zoom.us/j/91592357379>**

**Zoom Webinar ID: 915 9235 7379 (applies to all)**

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**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**

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

**MSRC-TAC Vice-Chair**

Steven Lee  
Alternate: David Lor  
Representing Los Angeles County MTA

**MSRC-TAC Members**

Steve Hillman  
Representing City of Los Angeles

Adriann Cardoso  
Alternate: Cliff Thorne  
Representing Orange County Transportation Authority

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

Jason Farin  
Representing Riverside County Board of Supervisors

Derek Winters, Jr.  
Representing California Air Resources Board

Kelly Lynn  
Representing San Bernardino County Transportation Authority

Vicki White  
Alternate: Ash Nikravan  
Representing South Coast AQMD

Rick Yee  
Alternate: Susan Kim  
Representing Cities of Orange County

Vacant  
Representing Cities of Los Angeles County

Denis Bilodeau  
Representing Orange County Board of Supervisors

Dan York  
Representing Cities of Riverside County

Vacant  
Alternate: Ron Lindsey  
Representing San Bernardino County Board of Supervisors

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

Vacant  
Mechanical Expert

Sean O'Connor  
Representing Cities of San Bernardino County

Tim Olson  
Air Pollution Control Expert

Nicole Soto  
Alternate: Nancy Strickert  
Representing Regional Rideshare Agency

**CALL TO ORDER**

Opening Comments: Jenny Chan, MSRC-TAC Chair  
Other MSRC-TAC Members

**CONSENT CALENDAR (Items 1 through 2)**

**Information Only - Receive and File**

- 1. **MSRC Contract’s Administrator’s Report** **Ravenstein**  
This report covers key issues addressed by MSRC staff, status of open contracts, and administrative scope changes from August 26, 2021 through September 29, 2021.
  
- 2. **Financial Report on AB 2766 Discretionary Fund** **Pathak**  
Financial report for August 2021.

**ACTION CALENDAR (Items 3 through 8)**

- 3. **Consider One-Year No-Cost Term Extension by City of Yucaipa, Contract #ML16057 (\$380,000 – Implement a “Complete Streets” Pedestrian Access Project)** **Ravenstein**  
The City requests a one-year term extension due to the MSRC’s project being part of a larger project which requires environmental clearance and right-of-way acquisition and coordination with neighboring agencies which has taken longer than anticipated.
  
- 4. **Consider Two-Year No-Cost Term Extension by County of Los Angeles, Contract #ML18060 (\$1,367,610 – Purchase 29 Light-Duty Zero Emission Vehicles (ZEVs), 1 Heavy-Duty ZEV, and 6 Heavy-Duty Near-Zero Emission Vehicles, and Install EV Charging Stations)** **Ravenstein**  
The County requests a two-year term extension due to limited availability of vehicles that meet their departments’ specifications, and supply chain challenges which are delaying vehicles that have been ordered.
  
- 5. **Consider 30-Month No-Cost Term Extension by City of Palm Springs, Contract #ML18147 (\$60,000 – Install EV Charging Stations)** **Ravenstein**  
The City requests a 30-month term extension due to delays associated with the COVID pandemic and changes in the City’s procurement approach.
  
- 6. **Consider 32-Month No-Cost Term Extension by City of Colton, Contract #ML18020 (\$67,881 – Purchase One Medium-Duty and One Heavy-Duty ZEV)** **Ravenstein**  
The City of Colton requests a 32-month term extension due to requirements of the Hybrid and Zero-Emission Truck and Bus Voucher Initiative (HVIP) program.

## FYs 2018-21 WORK PROGRAM

7. **Confirm Participation and Consider Adjustments to South Coast AQMD Trade Up Program** Ravenstein

In November 2019, the MSRC allocated \$4,000,000 to partner with South Coast AQMD to implement a Market Acceleration Program to encourage the early deployment of near-zero emission natural gas trucks. In August 2020, the MSRC reallocated \$3,000,000 of this funding to a separate South Coast AQMD program. This program is designed to offer incentives via a trade approach involving two parties and three trucks. Some terms of the Trade Up Program (formerly known as the Trade Down Program) have recently been identified to differ compared to what was previously presented to the MSRC. Additionally, South Coast AQMD is proposing adjustments to the Trade Up Program which would a) allow necessary repair costs up to \$10,000 to be deducted from the value of the traded-in truck; and b) allow the collection of a non-refundable deposit from the purchaser of the new near-zero truck.

8. **Consider Proposals Received under the Hydrogen Infrastructure Partnership Program** Gorski

As an element of their FYs 2016-18 Work Program, the MSRC allocated \$3,000,000 for the implementation of hydrogen refueling stations within South Coast AQMD's jurisdiction. A Program Opportunity Notice was released on April 6, 2018 and closed on April 9, 2021. \$2,662,000 has been awarded to date. As previously authorized by MSRC, full proposals have been received from Air Products, Nikola Energy, Clean Energy, and California State University Los Angeles Auxiliary Services (CSULA). The MSRC-TAC Infrastructure Subcommittee has reviewed the proposals. The Subcommittee recommends 1) an award to Air Products and Chemicals Corporation in an amount not to exceed \$1,000,000; 2) an award to Nikola Corporation in an amount not to exceed 1,660,000; and 3) an award to Clean Energy in an amount not to exceed \$1,000,000. The Subcommittee does not recommend an award to CSULA as further discussed in the Staff Report. Additionally, the Subcommittee recommends the MSRC-TAC request that the MSRC augment the Hydrogen Infrastructure Partnership Program funding allocation by an additional \$3,322,000.

## OTHER BUSINESS

9. *\*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)* Chan

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

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

## **ADJOURNMENT**

**NEXT MEETING: Date: November 4, 2021, 1:30 PM, Location: To Be Determined**

### ***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 Alejandra Vega at (909) 396-2264 from 7:00 a.m. to 5:30 p.m., Tuesday through Friday, or send the request to [avega@aqmd.gov](mailto:avega@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 Alejandra Vega at (909) 396-2264 or send the request to [avega@aqmd.gov](mailto:avega@aqmd.gov)*

Contacts: Cynthia Ravenstein, MSRC Contracts Administrator – (909) 396-3269  
Ray Gorski, MSRC Technical Advisor – (909) 396-2479  
Alejandra Vega, MSRC Administrative Liaison – (909) 396-2264

**\*\*\* Visit Our Website At: [www.CleanTransportationFunding.org](http://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

MSRC Contracts Administrator's Report

MSRC-TAC Agenda Item No. 1

**DATE:** October 7, 2021

**FROM:** Cynthia Ravenstein

**SUBJECT:** AB 2766 Contracts Administrator's Report

**SYNOPSIS:** This report covers key issues addressed by MSRC staff, status of open contracts, and administrative scope changes from August 26 to September 29, 2021.

**RECOMMENDATION:** Receive and file report

**WORK PROGRAM IMPACT:** None

**Contract Execution Status**

**2018-21 Work Program**

On April 5, 2019, the SCAQMD Governing Board approved an award under the Major Event Center Transportation Program. This contract is executed.

On September 6, 2019, the SCAQMD Governing Board approved an award under the Major Event Center Transportation Program. This contract is executed.

On December 6, 2019, the SCAQMD Governing Board approved an award under the Major Event Center Transportation Program. This contract is executed.

On September 4, 2020, the SCAQMD Governing Board approved an award under the Last Mile component of the MSRC's Regional Goods Movement Program. This contract is executed.

On April 2, 2021, the SCAQMD Governing Board approved five awards under the Zero and Near-Zero Emission Cargo Handling Equipment at Warehouse, Distribution and Intermodal Facilities in Riverside and San Bernardino Counties Program and ten awards under the Zero and Near-Zero Emission Trucking to Warehouse, Distribution and Intermodal Facilities in Riverside and San Bernardino Counties Program. These contracts are under development, undergoing internal review, with the prospective contractor for signature, or executed.

On June 4, 2021, the SCAQMD Governing Board approved an award under the Major Event Center Transportation Program. This contract is under development.

On August 6, 2021, the SCAQMD Governing Board approved an award under the Hydrogen Infrastructure Partnership Program. This contract is under development.



### **Work Program Status**

Contract Status Reports for work program years with open and/or pending contracts are attached.

#### ***FY 2010-11 Work Program Contracts***

One contract from this work program year is open; and 3 are in “Open/Complete” status. One contract closed during this period: County of Los Angeles, Contract #ML11025 – Purchase Five Heavy-duty Natural Gas Vehicles.

#### ***FY 2010-11 Invoices Paid***

No invoices were paid during this period.

#### ***FY 2011-12 Work Program Contracts***

4 contracts from this work program year are open, and 11 are in “Open/Complete” status.

#### ***FY 2011-12 Invoices Paid***

No invoices were paid during this period.

#### ***FYs 2012-14 Work Program Contracts***

10 contracts from this work program year are open, and 22 are in “Open/Complete” status. One contract closed during this period: City of Anaheim, Contract #ML14016 – Purchase Two Heavy-duty CNG Vehicles and Expand Existing CNG Station.

#### ***FYs 2012-14 Invoices Paid***

No invoices were paid during this period.

#### ***FYs 2014-16 Work Program Contracts***

31 contracts from this work program year are open, and 29 are in “Open/Complete” status. One contract closed during this period: City of Ontario, Contract #ML16056 – Expand Existing CNG Station.

#### ***FYs 2014-16 Invoices Paid***

No invoices were paid during this period.

#### ***FYs 2016-18 Work Program Contracts***

95 contracts from this work program year are open, and 44 are in “Open/Complete” status. 2 contracts passed into “Open/Complete” status during this period: City of Highland, Contract #ML18096 – Purchase Light-duty Zero-Emission Vehicle; and U.S. Venture, Contract #MS18125 – Install New Limited-Access CNG Station.

No invoices were paid during this period.

#### ***FYs 2018-21 Work Program Contracts***

8 contracts from this work program year are open.

2 invoices totaling \$2,787.50 were paid during this period.

***Administrative Scope Changes***

Two administrative scope changes were initiated during the period from August 26 to September 29, 2021:

- City of Glendale, Contract #ML18059 (Install EV Charging) – Substitute dual-port Level II stations for utility pole mounted Level II stations and change locations
- City of Yorba Linda, Contract #ML18043 (Install EV Charging) – Substitute six dual-port and three single-port stations for fifteen stations and one-year term extension

**Attachments**

- FY 2007-08 through FYs 2018-21 (except FY 2009-10) Contract Status Reports
- FY 2007-08 through FYs 2018-21 (except FY 2009-10) Progress Report Tracking



## AB2766 Discretionary Fund Program Invoices

August 26, 2021 to September 29, 2021

Contract Admin.	MSRC Chair	MSRC Liaison	Finance	Contract #	Contractor	Invoice #	Amount
<i>2018-2021 Work Program</i>							
9/23/2021				MS21002	Better World Group Advisors	WG-MSRC1	\$2,414.50
9/9/2021	9/9/2021	9/10/2021		MS21006	Geographics	21-22555	\$373.00

**Total: \$2,787.50**

**Total This Period: \$2,787.50**



## FYs 2008-09 Through 2018-21 AB2766 Contract Status Report

9/30/2021

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
<b>FY 2008-2009 Contracts</b>									
<b>Declined/Cancelled Contracts</b>									
ML09017	County of San Bernardino Public Wor	1/28/2010	7/27/2016		\$200,000.00	\$0.00	8 Nat. Gas Heavy-Duty Vehicles	\$200,000.00	No
ML09018	Los Angeles Department of Water an	7/16/2010	9/15/2012		\$850,000.00	\$0.00	Retrofit 85 Off-Road Vehicles w/DECS	\$850,000.00	No
ML09019	City of San Juan Capistrano Public	12/4/2009	11/3/2010		\$10,125.00	\$0.00	Remote Vehicle Diagnostics/45 Vehicles	\$10,125.00	No
ML09022	Los Angeles County Department of P				\$8,250.00	\$0.00	Remote Vehicle Diagnostics/15 Vehicles	\$8,250.00	No
ML09025	Los Angeles County Department of P	10/15/2010	12/14/2012	6/14/2013	\$50,000.00	\$0.00	Remote Vehicle Diagnostics/85 Vehicles	\$50,000.00	No
ML09028	Riverside County Waste Managemen				\$140,000.00	\$0.00	Retrofit 7 Off-Road Vehicles w/DECS	\$140,000.00	No
ML09039	City of Inglewood				\$310,000.00	\$0.00	Purchase 12 H.D. CNG Vehicles and Remot	\$310,000.00	No
ML09040	City of Cathedral City				\$83,125.00	\$0.00	Purchase 3 H.D. CNG Vehicles and Remote	\$83,125.00	No
ML09044	City of San Dimas				\$425,000.00	\$0.00	Install CNG Station and Purchase 1 CNG Sw	\$425,000.00	No
ML09045	City of Orange				\$125,000.00	\$0.00	Purchase 5 CNG Sweepers	\$125,000.00	No
<b>Total: 10</b>									
<b>Closed Contracts</b>									
ML09007	City of Rancho Cucamonga	2/26/2010	4/25/2012		\$117,500.00	\$62,452.57	Maintenance Facility Modification	\$55,047.43	Yes
ML09008	City of Culver City Transportation De	1/19/2010	7/18/2016	7/18/2017	\$175,000.00	\$175,000.00	8 Nat. Gas Heavy-Duty Vehicles	\$0.00	Yes
ML09009	City of South Pasadena	11/5/2010	12/4/2016	3/4/2019	\$125,930.00	\$125,930.00	CNG Station Expansion	\$0.00	Yes
ML09010	City of Palm Springs	1/8/2010	2/7/2016		\$25,000.00	\$25,000.00	1 Nat. Gas Heavy-Duty Vehicle	\$0.00	Yes
ML09011	City of San Bernardino	2/19/2010	5/18/2016		\$250,000.00	\$250,000.00	10 Nat. Gas Heavy-Duty Vehicles	\$0.00	Yes
ML09012	City of Gardena	3/12/2010	11/11/2015		\$25,000.00	\$25,000.00	1 Nat. Gas Heavy-Duty Vehicle	\$0.00	Yes
ML09013	City of Riverside Public Works	9/10/2010	12/9/2011	7/31/2013	\$144,470.00	\$128,116.75	Traffic Signal Synchr./Moreno Valley	\$16,353.25	Yes
ML09014	City of Riverside Public Works	9/10/2010	12/9/2011	7/31/2013	\$113,030.00	\$108,495.94	Traffic Signal Synchr./Corona	\$4,534.06	Yes
ML09015	City of Riverside Public Works	9/10/2010	12/9/2011	7/31/2013	\$80,060.00	\$79,778.52	Traffic Signal Synchr./Co. of Riverside	\$281.48	Yes
ML09016	County of San Bernardino Public Wor	1/28/2010	3/27/2014		\$50,000.00	\$50,000.00	Install New CNG Station	\$0.00	Yes
ML09020	County of San Bernardino	8/16/2010	2/15/2012		\$49,770.00	\$49,770.00	Remote Vehicle Diagnostics/252 Vehicles	\$0.00	Yes
ML09021	City of Palm Desert	7/9/2010	3/8/2012		\$39,450.00	\$38,248.87	Traffic Signal Synchr./Rancho Mirage	\$1,201.13	Yes
ML09023	Los Angeles County Department of P	12/10/2010	12/9/2017		\$50,000.00	\$50,000.00	2 Heavy-Duty Alternative Fuel Transit Vehicl	\$0.00	Yes
ML09026	Los Angeles County Department of P	10/15/2010	10/14/2017	4/14/2019	\$150,000.00	\$80,411.18	3 Off-Road Vehicles Repowers	\$69,588.82	Yes
ML09027	Los Angeles County Department of P	7/23/2010	3/22/2012	6/22/2012	\$150,000.00	\$150,000.00	Freeway Detector Map Interface	\$0.00	Yes
ML09029	City of Whittier	11/6/2009	4/5/2016		\$25,000.00	\$25,000.00	1 Nat. Gas Heavy-Duty Vehicle	\$0.00	Yes
ML09030	City of Los Angeles GSD/Fleet Servic	6/18/2010	6/17/2011		\$22,310.00	\$22,310.00	Remote Vehicle Diagnostics/107 Vehicles	\$0.00	Yes
ML09031	City of Los Angeles Dept of General	10/29/2010	10/28/2017		\$825,000.00	\$825,000.00	33 Nat. Gas Heavy-Duty Vehicles	\$0.00	Yes
ML09032	Los Angeles World Airports	4/8/2011	4/7/2018		\$175,000.00	\$175,000.00	7 Nat. Gas Heavy-Duty Vehicles	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML09033	City of Beverly Hills	3/4/2011	5/3/2017	1/3/2019	\$550,000.00	\$550,000.00	10 Nat. Gas Heavy-Duty Vehicles & CNG St	\$0.00	Yes
ML09034	City of La Palma	11/25/2009	6/24/2015		\$25,000.00	\$25,000.00	1 LPG Heavy-Duty Vehicle	\$0.00	Yes
ML09035	City of Fullerton	6/17/2010	6/16/2017	6/16/2018	\$450,000.00	\$450,000.00	2 Heavy-Duty CNG Vehicles & Install CNG	\$0.00	Yes
ML09037	City of Redondo Beach	6/18/2010	6/17/2016		\$50,000.00	\$50,000.00	Purchase Two CNG Sweepers	\$0.00	Yes
ML09038	City of Chino	9/27/2010	5/26/2017		\$250,000.00	\$250,000.00	Upgrade Existing CNG Station	\$0.00	Yes
ML09041	City of Los Angeles, Bureau of Sanit	10/1/2010	9/30/2017		\$875,000.00	\$875,000.00	Purchase 35 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML09042	Los Angeles Department of Water an	12/10/2010	12/9/2017		\$1,400,000.00	\$1,400,000.00	Purchase 56 Dump Trucks	\$0.00	Yes
ML09043	City of Covina	10/8/2010	4/7/2017	10/7/2018	\$179,591.00	\$179,591.00	Upgrade Existing CNG Station	\$0.00	Yes
ML09046	City of Newport Beach	5/20/2010	5/19/2016		\$162,500.00	\$162,500.00	Upgrade Existing CNG Station, Maintenance	\$0.00	Yes
ML09047	Los Angeles County Department of P	8/13/2014	8/12/2015	11/12/2015	\$400,000.00	\$272,924.53	Maintenance Facility Modifications	\$127,075.47	Yes

**Total: 29**

**Closed/Incomplete Contracts**

ML09024	Los Angeles County Department of P	10/15/2010	12/14/2012	6/14/2013	\$400,000.00	\$0.00	Maintenance Facility Modifications	\$400,000.00	No
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**Total: 1**

**Open/Complete Contracts**

ML09036	City of Long Beach Fleet Services Bu	5/7/2010	5/6/2017	11/6/2022	\$875,000.00	\$875,000.00	Purchase 35 Natural Gas Refuse Trucks	\$0.00	Yes
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**Total: 1**

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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## FY 2010-2011 Contracts

### Open Contracts

ML11029	City of Santa Ana	9/7/2012	3/6/2020	3/6/2023	\$262,500.00	\$75,000.00	Expansion of Existing CNG Station, Install N	\$187,500.00	No
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Total: 1

### Declined/Cancelled Contracts

ML11038	City of Santa Monica	5/18/2012	7/17/2018		\$400,000.00	\$0.00	Maintenance Facility Modifications	\$400,000.00	No
MS11013	Go Natural Gas, Inc.				\$150,000.00	\$0.00	New CNG Station - Huntington Beach	\$150,000.00	No
MS11014	Go Natural Gas, Inc.				\$150,000.00	\$0.00	New CNG Station - Santa Ana	\$150,000.00	No
MS11015	Go Natural Gas, Inc.				\$150,000.00	\$0.00	New CNG Station - Inglewood	\$150,000.00	No
MS11046	Luis Castro				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11047	Ivan Borjas				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11048	Phase II Transportation				\$1,080,000.00	\$0.00	Repower 27 Heavy-Duty Vehicles	\$1,080,000.00	No
MS11049	Ruben Caceras				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11050	Carlos Arrue				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11051	Francisco Vargas				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11053	Jose Ivan Soltero				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11054	Albino Meza				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11059	Go Natural Gas				\$150,000.00	\$0.00	New Public Access CNG Station - Paramoun	\$150,000.00	No
MS11063	Standard Concrete Products				\$310,825.00	\$0.00	Retrofit Two Off-Road Vehicles under Showc	\$310,825.00	No
MS11070	American Honda Motor Company				\$100,000.00	\$0.00	Expansion of Existing CNG Station	\$100,000.00	No
MS11072	Trillium USA Company DBA Californi				\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No
MS11077	DCL America Inc.				\$263,107.00	\$0.00	Retrofit of 13 Off-Road Diesel Vehicles with	\$263,107.00	No
MS11083	Cattrac Construction, Inc.				\$500,000.00	\$0.00	Install DECS on Eight Off-Road Vehicles	\$500,000.00	No
MS11084	Ivanhoe Energy Services and Develo				\$66,750.00	\$0.00	Retrofit One H.D. Off-Road Vehicle Under S	\$66,750.00	No
MS11088	Diesel Emission Technologies				\$32,750.00	\$0.00	Retrofit Three H.D. Off-Road Vehicles Under	\$32,750.00	No
MS11089	Diesel Emission Technologies				\$9,750.00	\$0.00	Retrofit One H.D. Off-Road Vehicle Under S	\$9,750.00	No
MS11090	Diesel Emission Technologies				\$14,750.00	\$0.00	Retrofit One H.D. Off-Road Vehicle Under S	\$14,750.00	No

Total: 22

### Closed Contracts

ML11007	Coachella Valley Association of Gove	7/29/2011	7/28/2012		\$250,000.00	\$249,999.96	Regional PM10 Street Sweeping Program	\$0.04	Yes
ML11020	City of Indio	2/1/2013	3/31/2019	9/30/2020	\$15,000.00	\$9,749.50	Retrofit one H.D. Vehicles w/DECS, repower	\$5,250.50	Yes
ML11021	City of Whittier	1/27/2012	9/26/2018	6/26/2019	\$210,000.00	\$210,000.00	Purchase 7 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11022	City of Anaheim	3/16/2012	7/15/2018		\$150,000.00	\$150,000.00	Purchase of 5 H.D. Vehicles	\$0.00	Yes
ML11023	City of Rancho Cucamonga	4/20/2012	12/19/2018	9/19/2020	\$260,000.00	\$260,000.00	Expand Existing CNG Station, 2 H.D. Vehicl	\$0.00	Yes
ML11025	County of Los Angeles Department o	3/14/2014	9/13/2021		\$150,000.00	\$150,000.00	Purchase 5 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11026	City of Redlands	3/2/2012	10/1/2018		\$90,000.00	\$90,000.00	Purchase 3 Nat. Gas H.D. Vehicles	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML11027	City of Los Angeles, Dept. of General	5/4/2012	7/3/2015	1/3/2016	\$300,000.00	\$300,000.00	Maintenance Facility Modifications	\$0.00	Yes
ML11028	City of Glendale	1/13/2012	5/12/2018		\$300,000.00	\$300,000.00	Purchase 10 H.D. CNG Vehicles	\$0.00	Yes
ML11030	City of Fullerton	2/3/2012	3/2/2018		\$109,200.00	\$109,200.00	Purchase 2 Nat. Gas H.D. Vehicles, Retrofit	\$0.00	Yes
ML11031	City of Culver City Transportation De	12/2/2011	12/1/2018		\$300,000.00	\$300,000.00	Purchase 10 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML11032	City of Gardena	3/2/2012	9/1/2018	10/1/2020	\$102,500.00	\$102,500.00	Purchase Heavy-Duty CNG Vehicle, Install S	\$0.00	Yes
ML11033	City of Los Angeles, Bureau of Sanit	3/16/2012	1/15/2019		\$1,080,000.00	\$1,080,000.00	Purchase 36 LNG H.D. Vehicles	\$0.00	Yes
ML11034	City of Los Angeles Dept of General	5/4/2012	1/3/2019		\$630,000.00	\$630,000.00	Purchase 21 H.D. CNG Vehicles	\$0.00	Yes
ML11035	City of La Quinta	11/18/2011	11/17/2012		\$25,368.00	\$25,368.00	Retrofit 3 On-Road Vehicles w/DECS	\$0.00	Yes
ML11036	City of Riverside	1/27/2012	1/26/2019	3/26/2021	\$670,000.00	\$670,000.00	Install New CNG Station, Purchase 9 H.D. N	\$0.00	Yes
ML11037	City of Anaheim	12/22/2012	12/21/2019		\$300,000.00	\$300,000.00	Purchase 12 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11039	City of Ontario, Housing & Municipal	1/27/2012	9/26/2018		\$180,000.00	\$180,000.00	Purchase 6 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11041	City of Santa Ana	9/7/2012	11/6/2018	1/6/2021	\$265,000.00	\$244,651.86	Purchase 7 LPG H.D. Vehicles, Retrofit 6 H.	\$20,348.14	Yes
ML11042	City of Chino	2/17/2012	4/16/2018		\$30,000.00	\$30,000.00	Purchase 1 Nat. Gas H.D. Vehicle, Repower	\$0.00	Yes
ML11043	City of Hemet Public Works	2/3/2012	2/2/2019		\$60,000.00	\$60,000.00	Purchase 2 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML11044	City of Ontario, Housing & Municipal	1/27/2012	6/26/2019		\$400,000.00	\$400,000.00	Expand Existing CNG Station	\$0.00	Yes
ML11045	City of Newport Beach	2/3/2012	8/2/2018	3/2/2021	\$30,000.00	\$30,000.00	Purchase 1 Nat. Gas H.D. Vehicle	\$0.00	Yes
MS11001	Mineral LLC	4/22/2011	4/30/2013	4/30/2015	\$111,827.00	\$103,136.83	Design, Develop, Host and Maintain MSRC	\$8,690.17	Yes
MS11002	A-Z Bus Sales, Inc.	7/15/2011	12/31/2011	6/30/2013	\$1,705,000.00	\$1,705,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes
MS11003	BusWest	7/26/2011	12/31/2011	12/31/2012	\$1,305,000.00	\$1,305,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes
MS11004	Los Angeles County MTA	9/9/2011	2/29/2012		\$450,000.00	\$299,743.34	Clean Fuel Transit Service to Dodger Stadiu	\$150,256.66	Yes
MS11006	Orange County Transportation Autho	10/7/2011	2/29/2012	8/31/2012	\$268,207.00	\$160,713.00	Metrolink Service to Angel Stadium	\$107,494.00	Yes
MS11008	USA Waste of California, Inc.	10/24/2013	4/23/2020		\$125,000.00	\$125,000.00	Expansion of Existing LCNG Station	\$0.00	Yes
MS11009	USA Waste of California, Inc.	10/24/2013	4/23/2020		\$125,000.00	\$125,000.00	Expansion of Existing LCNG Station	\$0.00	Yes
MS11010	Border Valley Trading	8/26/2011	10/25/2017	4/25/2020	\$150,000.00	\$150,000.00	New LNG Station	\$0.00	Yes
MS11011	EDCO Disposal Corporation	12/30/2011	4/29/2019		\$100,000.00	\$100,000.00	New CNG Station - Signal Hill	\$0.00	Yes
MS11012	EDCO Disposal Corporation	12/30/2011	4/29/2019		\$100,000.00	\$100,000.00	New CNG Station - Buena Park	\$0.00	Yes
MS11016	CR&R Incorporated	4/12/2013	10/11/2019		\$100,000.00	\$100,000.00	New CNG Station - Perris	\$0.00	Yes
MS11017	CR&R, Inc.	3/2/2012	2/1/2018		\$100,000.00	\$100,000.00	Expansion of existing station - Garden Grove	\$0.00	Yes
MS11018	Orange County Transportation Autho	10/14/2011	1/31/2012		\$211,360.00	\$211,360.00	Express Bus Service to Orange County Fair	\$0.00	Yes
MS11019	City of Corona	11/29/2012	4/28/2020		\$225,000.00	\$225,000.00	Expansion of Existing CNG Station	\$0.00	Yes
MS11052	Krisda Inc	9/27/2012	6/26/2013		\$120,000.00	\$120,000.00	Repower Three Heavy-Duty Vehicles	\$0.00	Yes
MS11055	KEC Engineering	2/3/2012	8/2/2018	8/2/2019	\$200,000.00	\$200,000.00	Repower 5 H.D. Off-Road Vehicles	\$0.00	Yes
MS11056	Better World Group Advisors	12/30/2011	12/29/2013	12/29/2015	\$206,836.00	\$186,953.46	Programmatic Outreach Services	\$19,882.54	Yes
MS11057	Riverside County Transportation Co	7/28/2012	3/27/2013		\$100,000.00	\$89,159.40	Develop and Implement 511 "Smart Phone"	\$10,840.60	Yes
MS11058	L A Service Authority for Freeway E	5/31/2013	4/30/2014		\$123,395.00	\$123,395.00	Implement 511 "Smart Phone" Application	\$0.00	Yes
MS11060	Rowland Unified School District	8/17/2012	1/16/2019	1/16/2020	\$175,000.00	\$175,000.00	New Limited Access CNG Station	\$0.00	Yes
MS11061	Eastern Municipal Water District	3/29/2012	5/28/2015		\$11,659.00	\$1,450.00	Retrofit One Off-Road Vehicle under Showca	\$10,209.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS11062	Load Center	9/7/2012	1/6/2016	12/6/2016	\$175,384.00	\$169,883.00	Retrofit Six Off-Road Vehicles under Showca	\$5,501.00	Yes
MS11065	Temecula Valley Unified School Distr	8/11/2012	1/10/2019		\$50,000.00	\$48,539.62	Expansion of Existing CNG Station	\$1,460.38	Yes
MS11066	Torrance Unified School District	11/19/2012	9/18/2018		\$42,296.00	\$42,296.00	Expansion of Existing CNG Station	\$0.00	Yes
MS11067	City of Redlands	5/24/2012	11/23/2018	11/23/2019	\$85,000.00	\$85,000.00	Expansion of Existing CNG Station	\$0.00	Yes
MS11068	Ryder System Inc.	7/28/2012	10/27/2018		\$175,000.00	\$175,000.00	New Public Access L/CNG Station (Fontana)	\$0.00	Yes
MS11069	Ryder System Inc.	7/28/2012	8/27/2018		\$175,000.00	\$175,000.00	New Public Access L/CNG Station (Orange)	\$0.00	Yes
MS11071	City of Torrance Transit Department	12/22/2012	1/21/2019	1/21/2020	\$175,000.00	\$175,000.00	New Limited Access CNG Station	\$0.00	Yes
MS11074	SunLine Transit Agency	5/11/2012	7/31/2012		\$41,849.00	\$22,391.00	Transit Service for Coachella Valley Festival	\$19,458.00	Yes
MS11079	Bear Valley Unified School District	2/5/2013	10/4/2019		\$175,000.00	\$175,000.00	New Limited Access CNG Station	\$0.00	Yes
MS11080	Southern California Regional Rail Aut	4/6/2012	7/31/2012		\$26,000.00	\$26,000.00	Metrolink Service to Auto Club Speedway	\$0.00	Yes
MS11086	DCL America Inc.	6/7/2013	10/6/2016		\$500,000.00	\$359,076.96	Retrofit Eight H.D. Off-Road Vehicles Under	\$140,923.04	Yes
MS11087	Cemex Construction Material Pacific,	10/16/2012	2/15/2016		\$448,766.00	\$448,760.80	Retrofit 13 H.D. Off-Road Vehicles Under Sh	\$5.20	Yes
MS11092	Griffith Company	2/15/2013	6/14/2016	12/14/2017	\$390,521.00	\$78,750.00	Retrofit 17 H.D. Off-Road Vehicles Under Sh	\$311,771.00	Yes

**Total: 57**

**Closed/Incomplete Contracts**

MS11064	City of Hawthorne	7/28/2012	8/27/2018	8/27/2019	\$175,000.00	\$0.00	New Limited Access CNG Station	\$175,000.00	No
MS11076	SA Recycling, LLC	5/24/2012	9/23/2015		\$424,801.00	\$0.00	Retrofit of 13 Off-Road Diesel Vehicles with	\$424,801.00	No
MS11081	Metropolitan Stevedore Company	9/7/2012	1/6/2016		\$45,416.00	\$0.00	Install DECS on Two Off-Road Vehicles	\$45,416.00	No
MS11082	Baumot North America, LLC	8/2/2012	12/1/2015		\$65,958.00	\$4,350.00	Install DECS on Four Off-Road Vehicles	\$61,608.00	Yes
MS11085	City of Long Beach Fleet Services Bu	8/23/2013	12/22/2016		\$159,012.00	\$0.00	Retrofit Seven H.D. Off-Road Vehicles Unde	\$159,012.00	No
MS11091	California Cartage Company, LLC	4/5/2013	8/4/2016	2/4/2018	\$55,000.00	\$0.00	Retrofit Two H.D. Off-Road Vehicles Under	\$55,000.00	No

**Total: 6**

**Open/Complete Contracts**

ML11024	County of Los Angeles, Dept of Publi	12/5/2014	6/4/2022		\$90,000.00	\$90,000.00	Purchase 3 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11040	City of South Pasadena	5/4/2012	1/3/2019	1/3/2022	\$30,000.00	\$30,000.00	Purchase 1 Nat. Gas H.D. Vehicle	\$0.00	Yes
MS11073	Los Angeles Unified School District	9/11/2015	2/10/2022		\$175,000.00	\$175,000.00	Expansion of Existing CNG Station	\$0.00	Yes

**Total: 3**



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

#### Open Contracts

ML12014	City of Santa Ana	11/8/2013	8/7/2020	2/7/2022	\$338,000.00	\$4,709.00	9 H.D. Nat. Gas & LPG Trucks, EV Charging	\$333,291.00	No
ML12045	City of Baldwin Park DPW	2/14/2014	12/13/2020	12/13/2026	\$400,000.00	\$0.00	Install New CNG Station	\$400,000.00	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
ML12091	City of Bellflower	10/5/2018	10/4/2019	12/30/2021	\$100,000.00	\$34,759.94	EV Charging Infrastructure	\$65,240.06	No

**Total: 4**

#### Declined/Cancelled Contracts

ML12016	City of Cathedral City	1/4/2013	10/3/2019		\$60,000.00	\$0.00	CNG Vehicle & Electric Vehicle Infrastructure	\$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 Wor				\$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
MS12007	WestAir Gases & Equipment				\$100,000.00	\$0.00	Construct New Limited-Access CNG Station	\$100,000.00	No
MS12027	C.V. Ice Company, Inc.	5/17/2013	11/16/2019		\$75,000.00	\$0.00	Purchase 3 Medium-Heavy Duty Vehicles	\$75,000.00	No
MS12030	Complete Landscape Care, Inc.				\$150,000.00	\$0.00	Purchase 6 Medium-Heavy Duty Vehicles	\$150,000.00	No
MS12067	Leatherwood Construction, Inc.	11/8/2013	3/7/2017		\$122,719.00	\$0.00	Retrofit Six Vehicles w/DECS - Showcase III	\$122,719.00	No
MS12070	Valley Music Travel/CID Entertainme				\$99,000.00	\$0.00	Implement Shuttle Service to Coachella Musi	\$99,000.00	No

**Total: 12**

#### 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
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 Gove	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 Depar	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
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
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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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
ML12066	City of Manhattan Beach	1/7/2014	4/6/2015		\$5,900.00	\$5,900.00	Electric Vehicle Charging Infrastructure	\$0.00	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 Ora	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
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/VSP	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
MS12065	Orange County Transportation Authority	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 Authority	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 D	\$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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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
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
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
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: 61**

**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**

ML12015	City of Fullerton	4/25/2013	11/24/2020	11/24/2021	\$40,000.00	\$40,000.00	HD CNG Vehicle, Expand CNG Station	\$0.00	Yes
ML12017	City of Los Angeles, Bureau of Sanit	6/26/2013	5/25/2020	11/25/2021	\$950,000.00	\$950,000.00	32 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML12018	City of West Covina	10/18/2013	10/17/2020	8/17/2023	\$300,000.00	\$300,000.00	Expansion of Existing CNG Station	\$0.00	Yes
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
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
MS12033	Mike Diamond/Phace Management S	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
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
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
MS12082	City of Los Angeles, Bureau of Sanit	11/20/2013	2/19/2021	2/19/2023	\$175,000.00	\$175,000.00	Install New CNG Infrastructure	\$0.00	Yes
MS12083	Brea Olinda Unified School District	7/30/2015	2/29/2024		\$59,454.00	\$59,454.00	Install New CNG Infrastructure	\$0.00	Yes

**Total: 11**

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

### Open Contracts

ML14012	City of Santa Ana	2/13/2015	10/12/2021	4/12/2022	\$244,000.00	\$0.00	EV Charging and 7 H.D. LPG Vehicles	\$244,000.00	No
ML14021	Riverside County Regional Park and	7/24/2014	12/23/2016	9/30/2024	\$250,000.00	\$0.00	Bicycle Trail Improvements	\$250,000.00	No
ML14027	County of Los Angeles Dept of Public	10/2/2015	5/1/2023	12/1/2025	\$492,000.00	\$0.00	Construct New CNG Station in Canyon Coun	\$492,000.00	No
ML14072	City of Cathedral City	8/13/2014	1/12/2021	7/12/2022	\$41,000.00	\$35,089.03	Install Bicycle Racks & Implement Bicycle E	\$5,910.97	No
ML14097	County of Los Angeles Internal Servi	9/6/2019	9/5/2020	9/5/2021	\$104,400.00	\$0.00	Electric Vehicle Charging Infrastructure	\$104,400.00	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	3/4/2022	\$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	3/26/2022	\$1,250,000.00	\$1,023,566.17	Implement Various Signal Synchronization P	\$226,433.83	No
MS14079	Waste Resources, Inc.	9/14/2016	8/13/2022	2/13/2024	\$100,000.00	\$100,000.00	New Limited Access CNG Station	\$0.00	Yes
MS14083	Hacienda La Puente Unified School	7/10/2015	3/9/2022		\$175,000.00	\$175,000.00	New Limited Access CNG Station	\$0.00	No

**Total: 10**

### 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 Mirada	\$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
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 Gove	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 Exis	\$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
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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML14031	Riverside County Waste Managemen	6/13/2014	12/12/2020		\$90,000.00	\$90,000.00	Purchase 3 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
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
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
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 County	\$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 Ange	\$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 R	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 R	7/10/2015	4/9/2016		\$75,000.00	\$75,000.00	Vehicle Maint. Fac. Modifications - Santa An	\$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 An	\$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
MS14047	Southern California Regional Rail Aut	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
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
MS14087	Orange County Transportation Autho	8/14/2015	4/30/2016		\$239,645.00	\$195,377.88	Implement Special Metrolink Service to Ange	\$44,267.12	Yes
MS14088	Southern California Regional Rail Aut	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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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: 47**

**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
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
ML14025	County of Los Angeles Dept of Public	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 Public	10/2/2015	5/1/2023	5/1/2024	\$300,000.00	\$300,000.00	Construct New CNG Station in Castaic	\$0.00	Yes
ML14028	City of Fullerton	9/5/2014	1/4/2022		\$126,950.00	\$126,950.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
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
ML14061	City of La Habra	3/11/2016	3/10/2022		\$41,600.00	\$41,270.49	Purchase Two Heavy-Duty Nat. Gas Vehicle	\$329.51	Yes
ML14062	City of San Fernando	3/27/2015	5/26/2021	10/31/2023	\$325,679.00	\$325,679.00	Expand Existing CNG Fueling Station	\$0.00	Yes
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
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
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
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
MS14075	Fullerton Joint Union High School Dis	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
MS14080	CR&R Incorporated	6/1/2015	8/31/2021	8/31/2022	\$200,000.00	\$200,000.00	Expansion of Existing CNG Infrastructure/Ma	\$0.00	Yes
MS14081	CR&R Incorporated	6/1/2015	5/30/2021		\$175,000.00	\$100,000.00	Expansion of Existing CNG Infrastructure/Ma	\$75,000.00	Yes
MS14082	Grand Central Recycling & Transfer	12/4/2015	3/3/2023	3/3/2024	\$150,000.00	\$150,000.00	Construct New Public Access CNG Station	\$0.00	Yes
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

**Total: 22**

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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## FY 2014-2016 Contracts

### Open Contracts

ML16006	City of Cathedral City	4/27/2016	4/26/2022		\$25,000.00	\$0.00	Bicycle Outreach	\$25,000.00	No
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	No
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	No
ML16017	City of Long Beach	2/5/2016	8/4/2023	1/4/2026	\$1,445,400.00	\$1,375,400.00	Purchase 50 Medium-Duty, 17 H.D. Nat. Ga	\$70,000.00	No
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	No
ML16022	Los Angeles Department of Water an	5/5/2017	3/4/2024	9/4/2027	\$360,000.00	\$0.00	Purchase 12 H.D. Nat. Gas Vehicles	\$360,000.00	No
ML16025	City of South Pasadena	6/22/2016	4/21/2023	10/21/2024	\$160,000.00	\$0.00	Purchase H.D. Nat. Gas Vehicle, Expand Exi	\$160,000.00	No
ML16038	City of Palm Springs	4/1/2016	7/31/2022	9/30/2022	\$170,000.00	\$0.00	Install Bicycle Lanes & Purchase 2 Heavy-D	\$170,000.00	No
ML16039	City of Torrance Transit Department	1/6/2017	9/5/2022	9/5/2023	\$32,000.00	\$0.00	Install EV Charging Infrastructure	\$32,000.00	No
ML16040	City of Eastvale	1/6/2017	7/5/2022	7/5/2026	\$110,000.00	\$0.00	Install EV Charging Infrastructure	\$110,000.00	No
ML16041	City of Moreno Valley	9/3/2016	1/2/2021	4/2/2024	\$20,000.00	\$0.00	Install EV Charging Infrastructure	\$20,000.00	No
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	No
ML16047	City of Fontana	1/6/2017	8/5/2019	8/5/2022	\$500,000.00	\$0.00	Enhance an Existing Class 1 Bikeway	\$500,000.00	No
ML16048	City of Placentia	3/26/2016	5/25/2021	6/25/2022	\$90,000.00	\$18,655.00	Install a Bicycle Locker and EV Charging Infr	\$71,345.00	No
ML16057	City of Yucaipa	4/27/2016	1/26/2019	1/26/2022	\$380,000.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$380,000.00	No
ML16071	City of Highland	5/5/2017	1/4/2020	1/4/2022	\$264,500.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$264,500.00	No
ML16075	City of San Fernando	10/27/2016	2/26/2019	2/26/2022	\$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	\$158,105.51	Pedestrian Access Improvements, Bicycle L	\$305,110.49	No
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	No
MS16086	San Bernardino County Transportatio	9/3/2016	10/2/2021		\$800,625.00	\$653,998.86	Freeway Service Patrols	\$146,626.14	No
MS16094	Riverside County Transportation Co	1/25/2017	1/24/2022		\$1,909,241.00	\$0.00	MetroLink First Mile/Last Mile Mobility Strate	\$1,909,241.00	No
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	No
MS16110	City of Riverside	10/6/2017	2/5/2025	2/5/2026	\$300,000.00	\$71,250.00	Expansion of Existing CNG Station and Main	\$228,750.00	No
MS16115	City of Santa Monica	4/14/2017	7/13/2025		\$870,000.00	\$427,500.00	Repower 58 Transit Buses	\$442,500.00	No
MS16117	Omnitrans	4/21/2017	6/20/2023		\$175,000.00	\$175,000.00	Expansion of Existing CNG Infrastructure	\$0.00	No
MS16118	Omnitrans	4/21/2017	6/20/2023		\$175,000.00	\$175,000.00	Expansion of Existing CNG Infrastructure	\$0.00	No
MS16119	Omnitrans	4/21/2017	8/20/2022		\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No
MS16120	Omnitrans	4/7/2017	5/6/2025		\$945,000.00	\$299,250.00	Repower 63 Existing Buses	\$645,750.00	No
MS16121	Long Beach Transit	11/3/2017	4/2/2024	11/30/2026	\$600,000.00	\$185,250.00	Repower 39 and Purchase 1 New Transit Bu	\$414,750.00	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
MS16127	Los Angeles County MTA	6/29/2021		6/28/2022	\$2,500,000.00	\$0.00	Expansion of the Willowbrook/Rosa Parks Tr	\$2,500,000.00	No

**Total: 31**

### Declined/Cancelled Contracts

ML16014	City of Dana Point				\$153,818.00	\$0.00	Extend an Existing Class 1 Bikeway	\$153,818.00	No
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Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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

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
ML16015	City of Yorba Linda	3/4/2016	11/3/2017		\$85,000.00	\$85,000.00	Install Bicycle Lanes	\$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
ML16026	City of Downey	5/6/2016	9/5/2017		\$40,000.00	\$40,000.00	Install EV Charging Infrastructure	\$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	No
ML16033	Coachella Valley Association of Gove	4/27/2016	4/26/2018		\$250,000.00	\$250,000.00	Street Sweeping Operations in Coachella Val	\$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
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
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
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	No
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
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
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
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
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 Bic	\$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
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 County	\$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 MSRC	\$26,263.57	Yes
MS16084	Transit Systems Unlimited, Inc.	5/6/2016	2/28/2018		\$565,600.00	\$396,930.00	Implement Special Shuttle Service from Unio	\$168,670.00	Yes
MS16085	Southern California Regional Rail Aut	3/11/2016	9/30/2016		\$78,033.00	\$64,285.44	Special MetroLink Service to Autoclub Spee	\$13,747.56	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
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 Aut	5/5/2017	9/30/2017		\$80,455.00	\$66,169.43	Provide Metrolink Service to Autoclub Speed	\$14,285.57	Yes
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
<b>Total: 47</b>									

#### 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

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	No
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
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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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
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
ML16021	City of Santa Clarita	10/7/2016	6/6/2024		\$49,400.00	\$49,399.00	Install EV Charging Infrastructure	\$1.00	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
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
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
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
ML16055	City of Ontario	5/6/2016	5/5/2022		\$270,000.00	\$270,000.00	Purchase Nine Heavy-Duty Natural-Gas Vehi	\$0.00	Yes
ML16058	Los Angeles County Department of P	10/7/2016	4/6/2024		\$371,898.00	\$371,898.00	Purchase 11 H.D. Nat. Gas Vehicles and Ins	\$0.00	Yes
ML16059	City of Burbank	4/1/2016	2/28/2022		\$180,000.00	\$180,000.00	Purchase 6 H.D. Nat. Gas Vehicles	\$0.00	Yes
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
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
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
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
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
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
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
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		\$45,000.00	\$32,170.00	Purchase 3 Transit Buses	\$12,830.00	Yes
MS16116	Riverside Transit Agency	3/3/2017	1/2/2023		\$10,000.00	\$9,793.00	Purchase One Transit Bus	\$207.00	Yes

**Total: 29**

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

### Open Contracts

ML18020	City of Colton	5/3/2018	4/2/2024		\$67,881.00	\$35,667.00	Purchase One Medium-Duty and One Heavy	\$32,214.00	No
ML18030	City of Grand Terrace	6/28/2018	3/27/2022	3/27/2025	\$45,000.00	\$0.00	Install EVSE	\$45,000.00	No
ML18031	City of Diamond Bar	9/7/2018	11/6/2025	11/6/2026	\$73,930.00	\$0.00	Install EVSE, Purchase up to 2-LD Vehicles	\$73,930.00	No
ML18034	City of Calabasas	6/8/2018	3/7/2022	3/7/2023	\$50,000.00	\$50,000.00	Install EVSE	\$0.00	No
ML18036	City of Indian Wells	8/8/2018	5/7/2023	5/7/2025	\$50,000.00	\$0.00	Install EV Charging Stations	\$50,000.00	No
ML18041	City of West Hollywood	8/8/2018	12/7/2023	6/7/2024	\$50,000.00	\$0.00	Install EV Charging Infrastructure	\$50,000.00	No
ML18043	City of Yorba Linda	9/7/2018	12/6/2023		\$87,990.00	\$0.00	Install EV Charging Infrastructure	\$87,990.00	No
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
ML18046	City of Santa Ana	11/9/2018	7/8/2026		\$385,000.00	\$0.00	Purchase 6 Light-Duty ZEVs, 9 Heavy-Duty	\$385,000.00	No
ML18047	City of Whittier	8/8/2018	4/7/2026		\$113,910.00	\$45,564.00	Purchase 5 Heavy-Duty Near-Zero Emission	\$68,346.00	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		\$91,500.00	\$30,000.00	Purchase 6 Light-Duty ZEVs, Install EVSE a	\$61,500.00	No
ML18053	City of Paramount	9/7/2018	3/6/2023		\$64,675.00	\$0.00	Install EV Charging Infrastructure	\$64,675.00	No
ML18055	City of Long Beach Fleet Services Bu	11/29/2018	11/28/2026		\$622,220.00	\$140,291.13	Install EV Charging Stations	\$481,928.87	No
ML18056	City of Chino	3/29/2019	9/28/2023		\$103,868.00	\$103,868.00	Install EV Charging Infrastructure	\$0.00	No
ML18057	City of Carson	10/5/2018	7/4/2023		\$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		\$94,624.00	\$0.00	Purchase 1 Medim-Dity ZEV and EV Chargin	\$94,624.00	No
ML18059	City of Glendale Water & Power	2/1/2019	7/31/2026		\$260,500.00	\$0.00	Install Electric Vehicle Charging Infrastructur	\$260,500.00	No
ML18060	County of Los Angeles Internal Servi	10/5/2018	8/4/2026		\$1,367,610.00	\$599,306.31	Purchase 29 Light-Duty Zero Emission Vehic	\$768,303.69	No
ML18063	City of Riverside	6/7/2019	1/6/2027		\$383,610.00	\$0.00	Expand Existing CNG Stations	\$383,610.00	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		\$83,500.00	\$0.00	Install EVSE	\$83,500.00	No
ML18068	City of Mission Viejo	7/31/2019	6/30/2027		\$125,690.00	\$10,000.00	Purchase 2 Light-Duty ZEVs, Install EVSE &	\$115,690.00	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	\$250,000.00	Purchase 15 Heavy-Duty Vehicles	\$125,000.00	No
ML18080	City of Santa Monica	1/10/2019	12/9/2023	7/9/2025	\$121,500.00	\$14,748.62	Install EV Charging Stations	\$106,751.38	No
ML18082	City of Los Angeles Bureau of Sanita	8/30/2019	8/29/2028		\$900,000.00	\$0.00	Purchase Medium-Duty Vehicles and EV Ch	\$900,000.00	No
ML18083	City of San Fernando	11/2/2018	11/1/2022		\$20,000.00	\$0.00	Implement Traffic Signal Synchronization	\$20,000.00	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
ML18087	City of Murrieta	3/29/2019	3/28/2025		\$143,520.00	\$143,520.00	Install Four EV Charging Stations	\$0.00	No
ML18088	City of Big Bear Lake	11/29/2018	8/28/2020	8/28/2021	\$50,000.00	\$0.00	Install Bicycle Trail	\$50,000.00	No
ML18089	City of Glendora	7/19/2019	4/18/2025	4/18/2026	\$50,760.00	\$0.00	Purchase a medium-duty ZEV	\$50,760.00	No
ML18090	City of Santa Clarita	5/9/2019	2/8/2023		\$122,000.00	\$118,978.52	Install Nine EV Charging Stations	\$3,021.48	No
ML18091	City of Temecula	1/19/2019	7/18/2023		\$141,000.00	\$0.00	Install Sixteen EV Charging Stations	\$141,000.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18092	City of South Pasadena	2/1/2019	1/31/2025		\$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		\$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
ML18098	City of Redondo Beach	2/1/2019	3/31/2023	3/31/2025	\$89,400.00	\$0.00	Install Six EV Charging Stations	\$89,400.00	No
ML18099	City of Laguna Hills	3/1/2019	5/31/2023		\$32,250.00	\$0.00	Install Six EV Charging Stations	\$32,250.00	No
ML18100	City of Brea	10/29/2020	12/28/2024		\$56,500.00	\$0.00	Install Thirteen EV Charging Stations	\$56,500.00	No
ML18101	City of Burbank	2/1/2019	4/30/2024		\$137,310.00	\$0.00	Install Twenty EV Charging Stations	\$137,310.00	No
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	No
ML18129	City of Yucaipa	12/14/2018	3/13/2023		\$63,097.00	\$0.00	Install Six EV Charging Stations	\$63,097.00	No
ML18130	City of Lake Forest	3/1/2019	9/30/2022		\$106,480.00	\$106,480.00	Install Twenty-One EVSEs	\$0.00	No
ML18132	City of Montclair	4/5/2019	9/4/2023		\$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
ML18136	City of Orange	4/12/2019	8/11/2024		\$42,500.00	\$40,000.00	Purchase Four Light-Duty ZEVs and Install	\$2,500.00	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
ML18138	City of La Canada Flintridge	2/8/2019	5/7/2023		\$50,000.00	\$32,588.07	Install Four EVSEs and Install Bicycle Racks	\$17,411.93	No
ML18139	City of Calimesa	8/30/2019	7/29/2020	11/29/2021	\$50,000.00	\$0.00	Install Bicycle Lane	\$50,000.00	No
ML18141	City of Rolling Hills Estates	2/14/2020	1/13/2024		\$40,000.00	\$0.00	Purchase One Light-Duty ZEV and Install Tw	\$40,000.00	No
ML18142	City of La Quinta	4/24/2019	2/23/2023	8/23/2023	\$51,780.00	\$0.00	Install Two EV Charging Stations	\$51,780.00	No
ML18144	City of Fontana Public Works	10/4/2019	12/3/2023		\$269,090.00	\$0.00	Install Twelve EVSEs	\$269,090.00	No
ML18145	City of Los Angeles Dept of Transpor	1/10/2020	4/9/2027		\$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		\$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		\$60,000.00	\$0.00	Install Eighteen EV Charging Stations	\$60,000.00	No
ML18151	County of San Bernardino Departme	8/25/2020	10/24/2029		\$200,000.00	\$0.00	Purchase Eight Heavy-Duty Near Zero Emis	\$200,000.00	No
ML18152	County of San Bernardino Flood Cont	8/11/2020	10/10/2029		\$108,990.00	\$0.00	Purchase Five Heavy-Duty Near Zero Emissi	\$108,990.00	No
ML18159	City of Rialto	12/13/2019	5/12/2024	5/12/2025	\$135,980.00	\$0.00	Purchase Nine Light-Duty ZEVs and EV Cha	\$135,980.00	No
ML18161	City of Indio	5/3/2019	10/2/2025		\$50,000.00	\$10,000.00	Purchase 1 Light-Duty Zero Emission, 1 Hea	\$40,000.00	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
ML18165	City of Baldwin Park	2/1/2019	1/30/2024		\$49,030.00	\$0.00	Expand CNG Station	\$49,030.00	No
ML18166	City of Placentia	2/18/2021	5/17/2027		\$25,000.00	\$0.00	Purchase One Heavy-Duty Near-Zero Emissi	\$25,000.00	No
ML18167	City of Beverly Hills	3/29/2019	6/28/2025		\$50,000.00	\$0.00	Purchase Two Heavy-Duty Near-Zero Emissi	\$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
ML18169	City of Alhambra	6/14/2019	8/13/2024		\$111,980.00	\$111,980.00	Install EV Charging Infrastructure	\$0.00	No
ML18170	City of Laguna Niguel	1/10/2020	8/9/2028		\$85,100.00	\$0.00	Purchase Two Light-Duty ZEVs and EV Char	\$85,100.00	No
ML18171	City of El Monte	3/1/2019	4/30/2025		\$119,757.00	\$68,077.81	Purchase One Heavy-Duty ZEVs and EV Ch	\$51,679.19	No
ML18172	City of Huntington Park	3/1/2019	2/28/2025		\$65,450.00	\$0.00	Purchase One Heavy-Duty ZEV	\$65,450.00	No
ML18174	City of Bell	11/22/2019	7/21/2026		\$25,000.00	\$0.00	Purchase One Heavy-Duty ZEV	\$25,000.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18177	City of San Bernardino	6/7/2019	12/6/2026		\$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	11/30/2026	\$25,000.00	\$0.00	Purchase One Heavy-Duty Near-Zero Emissi	\$25,000.00	No
ML18179	City of Rancho Mirage	8/20/2021	2/19/2022		\$50,000.00	\$0.00	Traffic Signal Synchronization	\$50,000.00	No
MS18002	Southern California Association of G	6/9/2017	11/30/2018	12/30/2021	\$2,500,000.00	\$886,787.98	Regional Active Transportation Partnership	\$1,613,212.02	No
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	No
MS18015	Southern California Association of G	7/13/2018	2/28/2021	8/31/2022	\$2,000,000.00	\$0.00	Southern California Future Communities Part	\$2,000,000.00	No
MS18023	Riverside County Transportation Co	6/28/2018	6/27/2021	12/27/2022	\$500,000.00	\$285,073.44	Weekend Freeway Service Patrols	\$214,926.56	No
MS18024	Riverside County Transportation Co	6/28/2018	8/27/2021		\$1,500,000.00	\$659,640.00	Vanpool Incentive Program	\$840,360.00	No
MS18027	City of Gardena	11/2/2018	9/1/2026		\$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		\$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	\$1,996,473.93	Implement Metrolink Line Fare Discount Pro	\$3,526.07	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	No
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 Subsid	\$46,764.08	No
MS18106	R.F. Dickson Co., Inc.	7/19/2019	1/18/2026		\$265,000.00	\$250,000.00	Expansion of Existing Infrastructure/Mechani	\$15,000.00	No
MS18108	Capistrano Unified School District	2/1/2019	5/30/2025		\$116,000.00	\$0.00	Expansion of Existing Infrastructure & Train	\$116,000.00	No
MS18110	Mountain View Unified School District	2/1/2019	3/31/2025		\$275,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$275,000.00	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
MS18115	City of Commerce	6/7/2019	12/6/2025		\$275,000.00	\$0.00	Expansion of Existing L/CNG Infrastructure	\$275,000.00	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
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	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
MS18122	Universal Waste Systems, Inc.	2/1/2019	3/31/2025	3/31/2027	\$200,000.00	\$0.00	Install New Limited Access CNG Infrastructur	\$200,000.00	No
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	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

**Total: 95**

#### Pending Execution Contracts

ML18148	City of San Dimas				\$50,000.00	\$0.00	Implement Bike Share Program	\$50,000.00	No
MS18180	Omnitrans				\$83,000.00	\$0.00	Modify Vehicle Maintenance Facility and Trai	\$83,000.00	No

**Total: 2**

#### Declined/Cancelled Contracts

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

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

**Total: 18**

#### Closed Contracts

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
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
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
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 Aut	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 Aut	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 Aut	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
MS18105	Southern California Regional Rail Aut	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: 15**

#### Closed/Incomplete Contracts

ML18133	City of Rancho Mirage	12/7/2018	11/6/2020		\$50,000.00	\$0.00	Traffic Signal Synchronization	\$50,000.00	No
MS18026	Omnitrans	10/5/2018	1/4/2020		\$83,000.00	\$0.00	Modify Vehicle Maintenance Facility and Trai	\$83,000.00	No

**Total: 2**

#### Open/Complete 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 Station	\$3,581.69	Yes
ML18028	City of Artesia	6/28/2018	3/27/2025		\$50,000.00	\$50,000.00	Install EVSE	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18032	City of Arcadia	2/1/2019	4/30/2025		\$24,650.00	\$24,650.00	Purchase 1 Heavy-Duty Near-ZEV	\$0.00	Yes
ML18033	City of Duarte	8/8/2018	2/7/2025		\$50,000.00	\$50,000.00	Purchase 1-HD ZEV	\$0.00	Yes
ML18035	City of Westlake Village	8/8/2018	11/7/2022		\$50,000.00	\$50,000.00	Install EVSE	\$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	\$87,000.00	\$63,190.33	Purchase 1 Medium/Heavy-Duty ZEV and In	\$23,809.67	Yes
ML18040	City of Agoura Hills	7/13/2018	6/12/2022		\$17,914.00	\$17,914.00	Install EV Charging Infrastructure	\$0.00	Yes
ML18042	City of San Fernando	6/28/2018	2/27/2024		\$10,000.00	\$10,000.00	Purchase 1 Light-Duty ZEV	\$0.00	Yes
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
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
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
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
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
ML18077	City of Orange	11/2/2018	10/1/2022		\$59,776.00	\$59,776.00	Four Light-Duty ZEV and EV Charging Infr	\$0.00	Yes
ML18079	City of Pasadena	12/7/2018	11/6/2023		\$183,670.00	\$183,670.00	EV Charging Infrastructure	\$0.00	Yes
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 Emissi	\$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
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
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
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
ML18131	City of Los Angeles, Police Departme	5/3/2019	12/2/2022		\$19,294.00	\$19,294.00	Purchase Three Light-Duty ZEVs	\$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 Char	\$0.00	Yes
ML18155	City of Claremont	7/31/2019	9/30/2023		\$50,000.00	\$35,608.86	Install EV Charging Infrastructure	\$14,391.14	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
ML18160	City of Irwindale	3/29/2019	12/28/2022		\$14,263.00	\$14,263.00	Purchase Two Light-Duty ZEVs	\$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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18173	City of Manhattan Beach	3/29/2019	2/28/2023		\$49,000.00	\$49,000.00	Purchase Two Light-Duty ZEVs and EV Char	\$0.00	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
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
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
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: 47**



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

#### **Open Contracts**

MS21002	Better World Group Advisors	11/1/2019	12/31/2022		\$265,079.00	\$103,582.15	Programmatic Outreach Services	\$161,496.85	No
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	No
MS21004	Los Angeles County MTA	1/7/2021	5/31/2023		\$2,188,899.00	\$0.00	Clean Fuel Bus Service to Dodger Stadium	\$2,188,899.00	No
MS21005	Southern California Association of G	5/5/2021	1/31/2024		\$10,000,000.00	\$0.00	Implement Last Mile Goods Movement Progr	\$10,000,000.00	No
MS21006	Geographics	4/1/2021	6/20/2023		\$12,952.00	\$746.00	Hosting & Maintenance of the MSRC Websit	\$12,206.00	No
MS21014	Green Fleet Systems, LLC	8/31/2021	8/30/2027		\$500,000.00	\$0.00	Deploy up to 5 Near Zero Emission Trucks	\$500,000.00	No
MS21015	Premium Transportation Services, In	9/22/2021	5/21/2027		\$1,500,000.00	\$0.00	Deploy up to 15 Near-Zero Emissions Trucks	\$1,500,000.00	No
MS21018	Pac Anchor Transportation, Inc.	8/17/2021	8/16/2027		\$2,300,000.00	\$0.00	Deploy up to 23 Near Zero Emission Trucks	\$2,300,000.00	No

**Total: 8**

#### **Pending Execution Contracts**

MS21007	Penske Truck Leasing Co., L.P.				\$1,160,000.00	\$0.00	Deploy 5 Zero-Emission Yard Tractors and C	\$1,160,000.00	No
MS21008	CMA CGM (America) LLC				\$3,000,000.00	\$0.00	Deploy 2 Zero-Emission Rubber Tire Gantry	\$3,000,000.00	No
MS21009	ITS Technologies & Logistics, LLC				\$1,686,900.00	\$0.00	Deploy 12 Zero-Emission Yard Tractors	\$1,686,900.00	No
MS21010	MHX, LLC				\$569,275.00	\$0.00	Deploy One Zero-Emission Overhead Crane	\$569,275.00	No
MS21011	RDS Logistics Group				\$808,500.00	\$0.00	Deploy 3 Zero-Emission Yard Tractors and C	\$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
MS21013	4 Gen Logistics				\$7,000,000.00	\$0.00	Deploy 40 Zero Emssions Trucks	\$7,000,000.00	No
MS21016	Ryder System, Inc.				\$3,169,746.00	\$0.00	Procure Two Integrated Power Centers and	\$3,169,746.00	No
MS21017	MHX, LLC				\$1,900,000.00	\$0.00	Deploy up to 10 Zero-Emission Trucks & Infr	\$1,900,000.00	No
MS21019	Volvo Financial Services				\$3,930,270.00	\$0.00	Lease up to 14 Zero-Emission Trucks and Pr	\$3,930,270.00	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 Ora	\$289,054.00	No
MS21023	BNSF Railway Company				\$1,313,100.00	\$0.00	Install EV Charging Infrastructure	\$1,313,100.00	No
MS21024	San Bernardino County Transportatio				\$1,662,000.00	\$0.00	Construct Hydrogen Fueling Station	\$1,662,000.00	No

**Total: 14**

#### **Declined/Cancelled Contracts**

MS21020	Sea-Logix, LLC				\$2,300,000.00	\$0.00	Deploy up to 23 Near-Zero Emssions Trucks	\$2,300,000.00	No
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**Total: 1**

#### **Closed Contracts**

MS21001	Los Angeles County MTA	8/30/2019	7/29/2020		\$1,148,742.00	\$285,664.87	Implement Special Transit Service to Dodger	\$863,077.13	Yes
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**Total: 1**

## 2010-11 Subvention Fund Match Program Progress Reports

Cont#	Contractor	Start Date	Original End Date	Amended End Date	Reporting	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
<b>Open Contracts</b>														
ML11029	City of Santa Ana	09/07/12	03/06/20	03/06/23	Quarterly		WL	WL			WL			
Total 1														

## 2011-12 Subvention Fund Match Program Progress Reports

Cont#	Contractor	Start Date	Original	Amended	Reporting	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
			End Date	End Date										
<b>Open Contracts</b>														
ML12014	City of Santa Ana	11/08/13	08/07/20	11/07/21	Quarterly		WL				07/13/21			
ML12045	City of Baldwin Park DPW	02/14/14	12/13/20	12/13/26	Quarterly			WL		WL	07/08/21			
ML12090	City of Palm Springs	10/09/15	10/08/21	09/08/25	Quarterly			05/20/21			09/08/21			
ML12091	City of Bellflower	10/05/18	10/04/19	12/30/21	Quarterly			04/21/21			WL			

**Total 4**

## 2012-14 Subvention Fund Match Program Progress Reports

Cont#	Contractor	Start Date	Original	Amended	Reporting	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
			End Date	End Date										
<b>Open Contracts</b>														
ML14012	City of Santa Ana	06/13/15	10/12/21	04/12/22	Quarterly		WL	WL			07/13/21			
ML14021	Riverside County Regional Park	07/24/14	12/23/16	09/30/24	Quarterly			WL			WL			
ML14027	County of LA Dept of Public Works	10/02/15	05/01/23	12/01/25	Quarterly			04/22/21			WL	08/10/21		
ML14072	City of Cathedral City	08/13/14	01/12/21	07/12/22	Quarterly			04/30/21			09/02/21			
ML14097	County of LA Internal Services Dept	09/06/19	09/05/20	09/05/21	Quarterly		04/29/21			07/09/21		WL	FR Rec'd	
<b>Total 5</b>														

## 2012-14 AB2766 Contract Progress

Cont#	Contractor	Start Date	Original	Amended	Reporting	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
			End Date	End Date										
<b>Open Contracts</b>														
MS14057	Los Angeles County MTA	11/07/14	10/06/19	10/06/23	Quarterly				WL					
MS14059	Riverside County Transportation Commission	09/05/14	03/04/18	03/04/22	Quarterly			02/09/21						
MS14072	San Bernardino Associated Governments	03/27/15	03/26/18	03/26/22	Quarterly		05/13/21							
MS14079	Waste Resources, Inc.	09/14/16	08/13/22	02/13/24	Quarterly				WL	FR Rec'd				
MS14083	Hacienda La Puente Unified School District (Ia)	07/10/15	03/09/22		Quarterly					FR Rec'd				
<b>Total: 5</b>														

## 2014-16 AB2766 Contract Progress Reports

Cont#	Contractor	Start Date	Original	Amended	Reporting	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
			End Date	End Date										
<b>Open Contracts</b>														
ML16006	City of Cathedral City	04/27/16	04/26/22		Quarterly			04/30/21			09/02/21			
ML16008	City of Pomona	09/20/16	11/19/22	05/19/25	Quarterly		WL	FR Rec'd						
ML16010	City of Fullerton	10/07/16	04/06/23	04/06/24	Quarterly			WL					WL	
ML16017	City of Long Beach	02/05/16	08/04/23	01/04/26	Quarterly					07/21/21				
ML16018	City of Hermosa Beach	10/07/16	01/06/23		Quarterly		WL							
ML16022	Los Angeles Department of Water and Power	05/05/17	03/04/24	09/04/27	Quarterly		03/04/21			06/04/21			09/05/21	
ML16025	City of South Pasadena	06/22/16	04/21/23	10/21/24	Quarterly			WL					WL	
ML16038	City of Palm Springs	04/01/16	07/31/22	09/30/22	Quarterly								WL	
ML16039	City of Torrance Transit Department	01/06/17	09/05/22	09/05/23	Quarterly		03/16/21							
ML16040	City of Eastvale	01/06/17	07/05/22	07/05/24	Quarterly									
ML16041	City of Moreno Valley	09/03/16	01/02/21	04/02/24	Quarterly				FR Rec'd					
ML16046	City of El Monte	04/01/16	05/31/21	05/31/23	Quarterly									
ML16047	City of Fontana	01/06/17	08/05/19	08/05/22	Quarterly		04/01/21							
ML16048	City of Placentia	03/26/16	05/25/21	06/25/22	Quarterly									
ML16057	City of Yucaipa	04/27/16	01/26/19	01/26/21	Quarterly		05/05/21			08/26/21			09/23/21	
ML16071	City of Highland	05/05/17	01/04/20	01/04/22	Quarterly			04/22/21					WL	
ML16075	City of San Fernando	10/27/16	02/26/19	02/26/22	Quarterly		05/07/21			09/28/21			09/28/21	
ML16077	City of Rialto	05/03/18	10/02/21	02/02/26	Quarterly			WL					WL	
ML16083	City of El Monte	04/01/16	04/30/21	04/30/23	Quarterly									
MS16086	San Bernardino Associated Gov'ts	09/03/16	10/02/21		Quarterly									
MS16094	Riverside County Transportation Commission	01/25/17	01/24/22		Quarterly		07/16/21			07/16/21				
MS16096	San Bernardino Associated Gov'ts	10/27/16	12/21/19	06/30/21	Quarterly	02/26/21				FR Rec'd				
MS16110	City of Riverside	10/06/17	02/05/25	02/05/26	Quarterly	04/22/21				07/14/21				
MS16115	City of Santa Monica	04/14/17	07/13/25		Quarterly			WL					WL	
MS16117	Omnitrans	05/21/17	06/20/23		Quarterly									
MS16118	Omnitrans	05/21/17	06/20/23		Quarterly									
MS16119	Omnitrans	05/21/17	08/20/22		Quarterly									
MS16120	Omnitrans	04/07/17	05/06/25		Quarterly									
MS16121	Long Beach Transit	11/03/17	04/02/24	11/30/26	Quarterly		05/04/21			07/30/21				
MS16123	Orange County Transportation Authority	12/07/18	11/06/23		Quarterly		04/19/21			07/15/21				
MS16125	San Bernardino County Transportation Authority	09/20/19	11/19/20		Quarterly									
MS16127	Los Angeles County MTA	06/29/21	06/28/22		Quarterly									

## 2016-18 AB2766 Contract Progress Reports

Cont#	Contractor	Start Date	Original End Date	Amended End Date	Reporting	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
<b>Open Contracts</b>													
ML18020	City of Colton	05/03/18	04/02/24		Quarterly			WL				09/09/21	
ML18030	City of Grand Terrace	06/28/18	03/27/22	03/27/25	Quarterly					WL			
ML18031	City of Diamond Bar	09/07/18	11/06/25	11/06/26	Quarterly	06/07/21			07/14/21				
ML18034	City of Calabasas	06/08/18	03/07/22	03/07/23	Quarterly								
ML18036	City of Indian Wells	08/08/18	05/07/23	05/07/25	Quarterly			05/21/21					
ML18041	City of West Hollywood	08/08/18	12/07/23	06/07/24	Quarterly					WL	FR Rec'd		
ML18043	City of Yorba Linda	09/07/18	12/06/23		Quarterly					07/22/21			
ML18044	City of Malibu	08/08/18	10/07/22	10/07/23	Quarterly					WL			
ML18046	City of Santa Ana	11/09/18	07/08/26		Quarterly		WL					WL	
ML18047	City of Whittier	08/08/18	04/07/26		Quarterly		04/27/21	05/20/21			08/31/21		
ML18050	City of Irvine	09/07/18	08/06/23		Quarterly				07/29/21			09/24/21	
ML18051	City of Rancho Cucamonga	03/01/19	10/31/25		Quarterly	07/15/21		WL	07/15/21				
ML18053	City of Paramount	09/07/18	03/06/23		Quarterly					WL			
ML18055	City of Long Beach	11/29/18	11/28/26		Quarterly	03/19/21			06/23/21				
ML18056	City of Chino	03/29/19	09/28/23		Quarterly								
ML18057	City of Carson	10/05/18	07/04/23		Quarterly					WL			
ML18058	City of Perris	10/12/18	11/11/24		Quarterly					WL			
ML18059	City of Glendale	02/01/19	07/31/26		Quarterly					WL			
ML18060	County of Los Angeles Internal Services Dept	10/05/18	08/04/26		Quarterly	05/06/21			07/09/21		WL	09/08/21	
ML18063	City of Riverside	06/07/19	01/06/27		Quarterly		04/22/21			07/14/21			
ML18064	City of Eastvale	11/29/18	04/28/26	10/28/28	Quarterly					07/21/21			
ML18067	City of Pico Rivera	09/07/18	11/06/22		Quarterly					WL			
ML18068	City of Mission Viejo	07/31/19	06/30/27		Quarterly							WL	
ML18069	City of Torrance	03/01/19	07/31/27		Quarterly	05/13/21			09/14/21				
ML18078	County of Riverside	10/05/18	10/04/28		Quarterly			05/28/21			09/17/21		
ML18080	City of Santa Monica	01/10/19	12/09/23	07/09/25	Quarterly			09/09/21				09/09/21	
ML18082	City of Los Angeles	08/30/19	08/29/28		Quarterly	05/18/21			06/29/21			09/28/21	
ML18083	City of San Fernando	11/02/18	11/01/22		Quarterly	05/07/21			09/28/21			09/28/21	
ML18084	City of South El Monte	10/18/19	09/17/23	09/17/24	Quarterly					WL			
ML18087	City of Murrietta	03/29/19	03/28/25		Quarterly								
ML18088	City of Big Bear Lake	11/29/18	08/28/20	08/28/21	Quarterly	06/03/21					FR Rec'd		
ML18089	City of Glendora	07/18/19	04/18/25	04/18/26	Quarterly					07/21/21			

ML18090	City of Santa Clarita	05/09/19	02/08/23		Quarterly				FR Rec'd				
ML18091	City of Temecula	01/19/19	07/18/23		Quarterly								
ML18092	City of South Pasadena	02/01/19	01/31/25		Quarterly		04/13/21		09/16/21			WL	
ML18093	City of Monterey Park	02/01/19	02/28/26		Quarterly								
ML18094	City of Laguna Woods	07/12/19	12/11/24		Quarterly								
ML18098	City of Redondo Beach	02/01/19	05/01/23	03/31/25	Quarterly	WL						09/16/21	
ML18099	City of Laguna Hills	03/01/19	05/31/23		Quarterly							WL	
ML18100	City of Brea	10/29/20	12/28/24		Quarterly							09/08/21	
ML18101	City of Burbank	02/01/19	04/30/24		Quarterly		04/28/21						
ML18128	City of Aliso Viejo	08/30/19	11/29/23		Quarterly	FR Rec'd							
ML18129	City of Yucaipa	12/14/18	03/31/23		Quarterly			WL				09/23/21	
ML18130	City of Lake Forrest	03/01/19	09/20/22		Quarterly								
ML18132	City of Montclair	04/05/19	09/04/23		Quarterly								
ML18134	City of Los Angeles	05/03/19	05/02/28		Quarterly			06/02/21				WL	
ML18135	City of Azusa	12/06/19	12/05/29		Quarterly								
ML18136	City of Orange	04/12/19	08/11/24		Quarterly			WL					
ML18137	City of Wildomar	03/01/19	05/31/21	12/01/22	Quarterly					07/08/21			
ML18138	City of La Canada Flintridge	02/08/19	05/07/23		Quarterly								
ML18139	City of Calimesa	08/30/19	07/29/20	11/29/21	Quarterly		05/05/21						
ML18141	City of Rolling Hills Estates	02/14/20	01/13/24		Quarterly				06/23/21				
ML18142	City of La Quinta	04/24/19	02/23/23	08/23/23	Quarterly			WL	Project Complete				
ML18144	City of Fontana	10/04/19	12/03/23		Quarterly								
ML18145	City of Los Angeles	01/10/20	04/09/27		Quarterly			WL					
ML18146	City of South Gate	03/01/19	11/30/23		Quarterly			05/18/21					
ML18147	City of Palm Springs	01/10/19	01/09/24		Quarterly		05/20/21	WL		09/08/21			
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	12/13/19	05/12/24	05/12/25	Quarterly			WL		07/22/21			
ML18161	City of Indio	05/03/19	10/02/25		Quarterly		WL						
ML18163	City of San Clemente	03/08/19	12/07/24	12/07/25	Quarterly		04/13/21						
ML18165	City of Baldwin Park	02/01/19	01/30/24		Quarterly				WL				
ML18166	City of Placentia	02/18/21	05/17/27		Quarterly								
ML18167	City of Beverly Hills	03/29/19	06/28/25		Quarterly		WL						
ML18168	City of Maywood	03/29/19	11/28/22		Quarterly								
ML18169	City of Alhambra	06/14/19	08/13/24		Quarterly								
ML18170	City of Laguna Niguel	01/10/20	08/09/28		Quarterly	04/15/21							
ML18171	City of El Monte	03/01/19	04/30/25		Quarterly								
ML18172	City of Huntington Park	03/01/19	02/28/25		Quarterly								
ML18174	City of Bell	11/22/19	07/21/26		Quarterly			WL					
ML18177	City of San Bernardino	06/07/19	12/06/26		Quarterly								



ML18178	City of La Puente	11/01/19	11/30/25	11/30/26	Quarterly	05/20/21			07/08/21				
ML18179	City of Rancho Mirage	08/20/21	02/19/22		Quarterly								
MS18002	Southern California Association of Governments	06/09/17	11/30/18	12/30/21	Quarterly	04/19/21			07/15/21				
MS18015	Southern California Association of Governments	07/13/18	02/28/21	08/31/22	Quarterly	04/20/21							
MS18023	Riverside County Transportation Commission	06/28/18	06/27/21	12/27/22	Quarterly	04/28/21							
MS18024	Riverside County Transportation Commission	06/28/18	08/27/21		Quarterly								
MS18027	City of Gardena	11/02/18	09/01/26		Quarterly		03/31/21		07/14/21		08/19/21		
MS18029	Irvine Ranch Water District	08/08/18	10/07/24		Quarterly								
MS18065	San Bernardino County Transportation Authority	03/29/19	08/28/23		Quarterly	08/09/21			08/09/21				
MS18073	Los Angeles County MTA	01/10/19	02/09/26		Quarterly								
MS18104	Orange County Transportation Authority	02/21/20	03/31/21	03/31/22	Quarterly								
MS18106	R.F. Dickson Co.	07/19/19	01/18/26		Quarterly								
MS18108	Capistrano Unified School District	02/01/19	05/30/25		Quarterly								
MS18110	Mountain View Unified School District	02/01/19	03/31/25		Quarterly								
MS18114	Los Angeles County Dept of Public Works	11/15/19	11/14/26		Quarterly			WL					
MS18115	City of Commerce	06/07/19	12/06/25		Quarterly								
MS18116	Los Angeles County Dept of Public Works	11/15/19	11/14/26		Quarterly			WL					
MS18117	City of San Bernardino	06/07/19	11/06/25		Quarterly								
MS18118	City of Beverly Hills	03/29/19	07/28/25		Quarterly		WL						
MS18122	Universal Waste Systems Inc.	02/01/19	03/31/25	03/31/27	Quarterly			05/20/21					
MS18124	County Sanitation Districts of LA County	07/31/19	02/28/27		Quarterly			07/07/21		FR Rec'd			
MS18175	Regents of the University of California	06/07/19	08/06/25	08/06/26	Quarterly					08/24/21			

**Total: 94**



9/29/2021

**2018-21 AB2766 Contract Progress Reports**

Cont#	Contractor	Start Date	Original End Date	Amended End Date	Reporting	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
<b>Open Contracts</b>													
MS21002	Better World Group Advisors	11/01/19	12/31/22		Monthly								
MS21003	Orange County Transportation Authority	07/08/20	05/31/21		Quarterly			FR Rec'd					
MS21004	Los Angeles County MTA	01/07/21	05/31/23		Quarterly								
MS21005	Southern California Association of Gov'ts	05/05/21	01/31/24		Quarterly					07/15/21			
MS21014	Green Fleet Systems, LLC (Ia)	08/31/21	08/30/27		Quarterly								
MS21015	Premium Transportation Services, Inc. (Ia)	09/22/21	05/21/27		Quarterly								
MS21018	Pac Anchor Transportation, Inc. (Ia)	08/17/21	08/16/27		Quarterly								
<b>Total: 7</b>													

AGENDA ITEM #2

AB 2766 Discretionary Fund Financial Report

**AB 2766 Discretionary Fund  
Financial Report - August 2021**

Available Funding as of August 31, 2021 (a)	\$	59,164,109
Less Awards by Work Program: (b)		
FY 2014-16	\$	(224,892)
FY 2016-18		(1,749,750)
FY 2018-21		(33,233,572)
Total Awards by Work Program:	\$	(35,208,214)
Less Balance of FY 2006-07 Work Program (funding not awarded)		
Less Balance of FY 2016-18 and FY 2018-21 Work Programs (funding not yet awarded)	\$	(14,358,000)
Sub-total - Surplus/(Deficit)	\$	9,597,895
Estimated Revenue (d)	\$	67,650
Estimated Available	\$	9,665,545

**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 Work Program Summary:

<u>FY 16-18 Work Program</u>	Total	Executed Contracts	Awarded	Balance
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	\$ 14,920,215	\$ 14,832,465	\$ 87,750	\$ -
Technical Advisor - Work Program Portion	\$ 262,500	\$ 262,500	\$ -	\$ -
Hydrogen Infrastructure Projects	\$ 3,000,000	\$ 1,000,000	\$ 1,662,000	\$ 338,000
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	\$ -	\$ -
<b>FY 2016-18 Totals</b>	\$ 38,931,111	\$ 36,843,361	\$ 1,749,750	\$ 338,000

<u>FY 2018-21 Work Program</u>	Total	Executed Contracts	Awarded	Balance
Major Event Center Transportation Program	\$ 4,094,993	\$ 3,805,939	\$ 289,054	\$ -
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	\$ 250,000	\$ 15,079	\$ -
Technical Advisor - Work Program Portion	\$ 272,475		\$ 272,475	\$ -
Market Acceleration Program	\$ 4,000,000	\$ 300,000		\$ 3,700,000
VIP Plus Up Incentive Program	\$ 2,500,000	\$ 180,000		\$ 2,320,000
Regional Goods Movement Program	\$ 10,000,000	\$ 10,000,000		\$ -
Inland Ports Zero and Near-Zero Emission Trucking	\$ 26,404,189	\$ 2,300,000	\$ 24,104,189	\$ -
Inland Ports Zero and Near-Zero Emission Cargo Handling	\$ 8,537,775	\$ -	\$ 8,537,775	\$ -
Zero-Emission Drayage Truck and Infrastructure Pilot Project	\$ 8,000,000			\$ 8,000,000
<b>FY 2018-21 Totals</b>	\$ 65,123,235	\$ 17,869,663	\$ 33,233,572	\$ 14,020,000

- (d) Estimated revenue is the interest receivable for FY 2020-21. Annual estimated revenue for outyears is projected to be \$16.7 million per year based on FY 2020-21 revenue. Any change to Health & Safety Code 44243 could affect future revenue.

AGENDA ITEM #3

Contract Modification Request by City of Yucaipa

MSRC-TAC Agenda Item No. 3

**DATE:** October 7, 2021

**FROM:** Cynthia Ravenstein, MSRC Contracts Administrator

**SUBJECT:** One-Year Term Extension by City of Yucaipa, Contract #ML16057

**SYNOPSIS:** The City requests a one-year term extension due to the MSRC's project being part of a larger project which requires environmental clearance and right-of-way acquisition and coordination with neighboring agencies which has taken longer than anticipated, as part of the FYs 2014-16 Local Government Match Program.

**FINANCIAL IMPACT:** None

**RECOMMENDATIONS:** None

**ATTACHMENTS:** Contractor's letter requesting modification

---

**DISCUSSION:**

**Contractor:** City of Yucaipa

**Project Title:** Implement "Complete Streets" Pedestrian Access Project along County Line Road

**MSRC Funding:** \$380,000

**Contract Term:** April 27, 2016 to January 26, 2022

**Current Request:** One-year term extension

**Previous Requests:** One-year term extension; one-year term extension; one-year term extension

**Project Description:** The City was awarded \$380,000 under the MSRC's FYs 2014-16 Local Government Match Program to implement a "Complete Streets" project along a segment of County Line Road, including the installation of bicycle lanes and construction of sidewalks in the project area. Project design and engineering has been completed, and nothing has been paid to date under this contract.

**Previous Requests:** The City indicated that the specified work was part of a larger project in partnership with the City of Calimesa, and execution of an agreement with Calimesa had taken longer than expected. The City requested a one-year contract term extension. This

modification was processed administratively. In November 2019, the City indicated that the coordination of environmental clearance requirements and right-of-way acquisition with their partner agencies was taking even longer than previously anticipated. Completion of construction was now scheduled for November 2020. The City requested, and the MSRC approved, a one-year term extension.

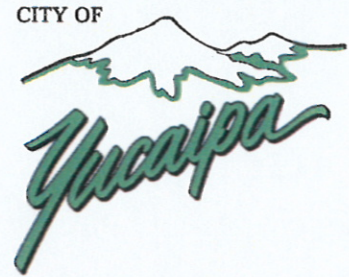
Later, the City indicates that the need for coordination of review with a larger multi-agency project further delayed progress on project design and engineering. The City now expected to advertise for construction bids in June 2021. They requested, and in November 2020 the MSRC approved, a one-year contract term extension.

Contract Request: The City is currently indicating the same factors continuing to contribute to delays. They say that they are now in the final stages of acquiring the necessary right-of-way to construct the proposed improvements, and the City forecasts that the project will be complete by July 2022. The City requests a one-year term extension.

The City submitted progress reports, but these are unclear as to what was accomplished since this project was last considered by the MSRC. MSRC staff are presently attempting to obtain additional information concerning what has transpired and bring it forward at the MSRC-TAC meeting.

September 24, 2021

Leah Alfaro  
MSRC Contracts Administration  
21865 Copley Drive,  
Diamond Bar, CA 91765



Re: Contract #AB2766/ML16057 Implement a "Complete Streets" Pedestrian Access Project for County Line Road between Calimesa Blvd and 4<sup>th</sup> Street.

The purpose of this letter is to respectfully request an extension of time to deliver the subject City of Yucaipa MSRC funded project. Per your email dated August 26, 2021, the expiration date for the subject contract is January 26, 2022. The City of Yucaipa is requesting that this expiration date be extended for an additional twelve (12) months to January 26, 2023. The subject project is a component of a larger multi-agency project which covers roadway improvements along County Line Road. The larger project includes environmental clearance requirements, right-of-way acquisition and since this is a joint project with the City of Calimesa in Riverside County, coordination with the neighboring agencies. With these additional factors, more time than anticipated has been required to coordinate the design, review, and right-of-way acquisition of the portion of County Line Road improvements covered by contract ML16057. However, the project design and Engineering has been completed and the City is in the final stages of acquiring the necessary right-of-way to construct the proposed improvements.

The subject project includes the construction of new asphalt pavement, curb gutter improvements, Class II bicycle lane striping and pavement markings, etc. to accommodate the overall project. Following is the proposed schedule for the completion of the City's "Complete Streets" project:

Task	Completion Date
Advertise for Construction Bids	January 2022
Award Construction Contract	February/March 2022
Right-of-Way Acquisition	January 2022
Construction of Street/Sidewalk Improvements	March- Apr 2022
Bicycle Lane Striping and Signing	May 2022
MSRC Project Completion	July 2022

If you have any questions, please contact me at (909) 797-2489 x240 or you may contact Katrina Kunkel at (909) 797-2489 x255. Thank you in advance for your consideration.

Sincerely,

A handwritten signature in blue ink, appearing to read "Fermin", is written over the word "Sincerely,".

Fermin G. Preciado, P.E.  
Director of Development Services/City Engineer



AGENDA ITEM #4

Contract Modification Request by County of Los Angeles

MSRC-TAC Agenda Item No. 4

**DATE:** October 7, 2021

**FROM:** Cynthia Ravenstein, MSRC Contracts Administrator

**SUBJECT:** Two-Year Term Extension by County of Los Angeles, Contract #ML18060

**SYNOPSIS:** The County of Los Angeles requests a two-year term extension due to limited availability of vehicles that meet their departments' specifications, and supply chain challenges which are delaying vehicles that have been ordered, as part of the FYs 2016-18 Local Government Partnership Program.

**FINANCIAL IMPACT:** None

**RECOMMENDATIONS:** None

**ATTACHMENTS:** Contractor's letter requesting modification; letter from Daimler

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**DISCUSSION:**

**Contractor:** County of Los Angeles

**Project Title:** Purchase 29 Light-Duty Zero Emission Vehicles (ZEVs), 1 Heavy-Duty ZEV, and 6 Heavy-Duty Near-Zero Emission Vehicles, and Install EV Charging Stations

**MSRC Funding:** \$1,367,610

**Contract Term:** October 5, 2018 to August 4, 2026

**Current Request:** Two-year term extension

**Previous Requests:** None

**Project Description:** The MSRC awarded the County \$1,367,610 to purchase 29 light-duty ZEVs, 1 heavy-duty ZEV, and 6 heavy-duty near-zero emission vehicles, and install 185 Level II EV charging stations. Contract #ML18060 was executed to effectuate the award. All the light-duty ZEVs and one near-zero emission vehicle have been placed into service, 73 stations have been installed, and \$599,306.31 has been paid to date.

**Contract Request:** The County indicates that the remaining vehicles in the contract are intended for their Fleet Services, the Department of Public Works, and the Sheriff Department. Each of these departments attests to challenges which have delayed them in obtaining the

vehicles specified by the contract. Firstly, they cite limited availability of vehicles that are near-zero emission or ZEV that meet their requirements and specifications. Secondly, as a result of the COVID-19 pandemic and ensuing supply chain challenges, vehicles which have been ordered have not yet been delivered. The County provided a letter from one manufacturer to support this assertion. The County requests a two-year contract term extension to allow time to identify, purchase, customize and place vehicles in service and meet the Local Government Partnership Program's five-year operational requirement.



County of Los Angeles  
**INTERNAL SERVICES DEPARTMENT**

1100 North Eastern Avenue  
Los Angeles, California 90063

**SELWYN HOLLINS**  
Director

*“Trusted Partner and Provider of Choice”*

Telephone: (323) 267-2101  
FAX: (323) 264-7135

**Contract No. ML 18060**

**Request to Modify Contract**

Leah Alfaro  
Contracts Assistant  
MSRC  
21865 Copley Drive

Dear Ms. Alfaro

The County of Los Angeles Internal Services Department (ISD) is submitting a request to modify Contract No. ML 18060 which terminates on August 4, 2026.

The County requests to change the date of termination to August 4, 2028 in order to comply with the requirements in Item 3 of the Statemnet of Work, “Operation Requirements and Reimbursement for Noncompliance: Medium and Heavy-Duty Vehicles”. Per item 3, medium and heavy-duty vehicles are required to operate for a minimum of five years. As described below, the County has faced several challenges in obtaining medium near zero emissions vehicles and a heavy-duty zero emissions vehicle. The extension will ensure that the County has time to purchase the vehicles and keep them in operation for a period of five years before the termination of the grant.

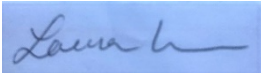
The vehicles purchased with support from ML 18060 are intended for ISD’s Fleet Services, the Department of Public Works, and the Sheriff Department. Each of these departments has explained that they faced two challenges in meeting the August 2021 deadline to obtain vehicles. First, there is and continues to be limited availability of vehicles that are near zero emissions or zero emission vehicles that meet their requirements and specifications. Second, as a result of the pandemic which began in March of 2020 and subsequent supply chain challenges, vehicles that have been ordered, have not yet been delivered.

Attached is a letter from Daimler received by DPW, which indicates that the truck manufacturing plant that was working on their order for one truck would have rolling production downtime between March and June of this year due to the disruption in global semiconductor supply chains. DPW has since received word that one of the trucks they ordered is expected to be delivered in June of 2022. The County’s request to extend the grant period through to August 2028, will give Sheriff, DPW, and ISD time to identify, purchase, customize, and get vehicles on the road by August 2023 to meet the five-year requirement.

The County has been able to purchase all 29 of the light duty vehicles indicated in the Statement of Work and is on track to install all 185 Level 2 electric vehicle charging stations. With this amendment to the agreement, the County looks forward to being able to complete all of the requirements in ML 18060.

In closing, the County welcomes any questions from MSRC and looks forward to a response.

Sincerely,

A blue rectangular box containing a handwritten signature in black ink that reads "Laura Iannaccone".

**Laura Iannaccone**

Manager, Environmental Initiatives

County of Los Angeles – ISD, Energy & Environmental Services

1100 N. Eastern Avenue, Los Angeles, CA 90063

Office: 323-881-4418

Cell: 562-417-6077

[liannaccone@isd.lacounty.gov](mailto:liannaccone@isd.lacounty.gov)

March 16, 2021

Dear valued customer,

Through a relentless focus on serving our customers, we have continually adapted to overcome the earliest effects of the COVID-19 pandemic to ensure our ability to deliver trucks and parts for those who keep the world moving. However, just a little over one year after the first effects of the pandemic began to impact global semiconductor supply chains, the prolonged duration of these shortages have now reached our own supply chain en masse.

As a result, we are implementing revolving production downtime of our Freightliner M2 and SD medium-duty truck manufacturing at our Mount Holly and Santiago Truck Manufacturing Plants (TMP). Rolling production downtime at both locations will start the week of Monday, March 22nd and is currently expected to extend through the end of June.

Component and truck manufacturing at all other locations, including that of Portland, Cleveland, and Saltillo TMPs and component manufacturing in Gastonia and Redford remains unaffected at this time. All operations at these locations will continue as currently planned in order to satisfy the unprecedented demand driven by the equipment replacement needs of the nation's largest fleets and essential transportation companies across North America.

Our commitment to you, your business, and your drivers/operators who keep the world moving remains steadfast. The effects of these closures will be temporary and we are confident we can quickly regain production lost during the downtime, provided the supply of semiconductors needed for our vehicle production returns to normal levels in the near future.

We will remain in close contact with all affected customers, truck equipment manufacturers, dealers, and suppliers to navigate constraints, provide transparency, and work to alleviate the effect on vehicle production and customer deliveries. Please do not hesitate to reach out to your DTNA District Sales Manager or local Freightliner dealer with any questions you might have.

Best regards,

Richard Howard  
Senior Vice President  
On-Highway Sales & Marketing

Jeff Allen  
Senior Vice President  
Operations & Specialty Vehicles

David Carson  
Senior Vice President  
Vocational Sales & Marketing

AGENDA ITEM #5

Contract Modification Request by City of Palm Springs

MSRC-TAC Agenda Item No. 5

**DATE:** October 7, 2021

**FROM:** Cynthia Ravenstein, MSRC Contracts Administrator

**SUBJECT:** 30-Month Term Extension by City of Palm Springs, Contract #ML18147

**SYNOPSIS:** The City of Palm Springs requests a 30-month term extension due to delays associated with the COVID-19 pandemic and changes in the City's procurement approach, as part of the FYs 2016-18 Local Government Partnership Program.

**FINANCIAL IMPACT:** None

**RECOMMENDATIONS:** None

**ATTACHMENTS:** Contractor's letter requesting modification

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**DISCUSSION:**

**Contractor:** City of Palm Springs

**Project Title:** Install EV Charging Stations

**MSRC Funding:** \$60,000

**Contract Term:** January 10, 2019 to January 9, 2024

**Current Request:** 30-month term extension

**Previous Requests:** None

Project Description: The MSRC awarded the City \$60,000 to install 18 publicly accessible Level II charging stations. Contract #ML18147 was executed to effectuate the award. No chargers have been installed and nothing has been paid to date.

Contract Request: In response to a query from MSRC staff, the City indicates that initially when the contract was issued, their Sustainability Commission spent some time reassessing locations and different models for implementation. They decided to contract directly with one provider and worked with them to assess the locations, determine power needs, etc. At this point in early 2020 the pandemic hit and City staff were directed to find a lower or no-cost alternative. They started over again, issuing an RFP.



Now the City is ready to install some of the stations this fall. The remainder of the stations are expected to be installed by July 1, 2023, but likely sooner. The City requests a 30-month term extension in order to complete the installations and fulfill the three-year operational requirement.



# City of Palm Springs

## Office of Sustainability

3200 E. Tahquitz Canyon Way • Palm Springs, California 92262  
Tel: (760) 323-8214 • Fax: (760) 322-8360 • Web: [www.palmspringsca.gov](http://www.palmspringsca.gov)

September 22, 2021

Cynthia Ravenstein  
South Coast Air Quality Management District  
Via Email: [cravenstein@aqmd.gov](mailto:cravenstein@aqmd.gov)

**SUBJECT: Request for Extension ML18147**

Dear Ms. Ravenstein,

The City of Palm Springs applied for and was awarded a grant in the amount of \$60,000 from MSRC (ML 18147) to install 18 Level II Charging Stations.

As has been reported in progress reports, the City's plans for purchasing and installing charging stations was delayed due to the impacts of the COVID pandemic. We are back on track and are planning to install several of these chargers this fall. The remainder of the chargers are likely to be installed by July 1, 2023, but likely sooner.

We are requesting an extension until 7/9/26. This would allow for the installation and the three-year operational period required under the contract.

Please let me know if you have any questions or need any additional information.

Respectfully submitted,

Patrick M. Tallarico  
Manager, Office of Sustainability

AGENDA ITEM #6

Contract Modification Request by City of Colton

MSRC-TAC Agenda Item No. 6

**DATE:** October 7, 2021

**FROM:** Cynthia Ravenstein, MSRC Contracts Administrator

**SUBJECT:** 32-Month Term Extension by City of Colton, Contract #ML18020

**SYNOPSIS:** The City of Colton requests a 32-month term extension due to requirements of the Hybrid and Zero-Emission Truck and Bus Voucher Initiative (HVIP) program, as part of the FYs 2016-18 Local Government Partnership Program.

**FINANCIAL IMPACT:** None

**RECOMMENDATIONS:** None

**ATTACHMENTS:** Contractor's letter requesting modification

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**DISCUSSION:**

**Contractor:** **City of Colton**

**Project Title:** Purchase 1 Medium-Duty and 1 Heavy-Duty Zero Emission Vehicles (ZEVs)

**MSRC Funding:** \$67,881

**Contract Term:** May 3, 2018 to April 2, 2024

**Current Request:** 32-month term extension

**Previous Requests:** None

**Project Description:** The MSRC awarded the City \$67,881 towards the purchase of one medium-duty and one heavy-duty ZEVs. Contract #ML18020 was executed to effectuate the award. The heavy-duty ZEV has been placed into service and \$35,667.00 has been paid to date.

**Contract Request:** The City indicates that they submitted a purchase order for an all-electric passenger van to Wondries Ford in November 2019. The project was placed on a waiting list for HVIP funding, but the City was unsuccessful. Once HVIP reopened, the funding levels were reduced. The City and their dealership were able to identify a solution involving acquisition of a low-mileage demonstration vehicle which had already received HVIP funding. MSRC staff deemed that the mileage was low enough to be acceptable for purposes of the contract. However, HVIP will not allow ownership to be transferred to the City until November 30, 2021. The City requests a 32-month contract term extension to allow time to meet the Local Government Partnership Program's five-year operational requirement.



150 South 10th Street  
Colton, CA 92324  
(909) 370-5104  
[www.coltononline.com](http://www.coltononline.com)

Jessica Sutorus  
Environmental Conservation Supervisor  
City of Colton  
650 N. La Cadena Dr.  
Colton CA 92324  
9-9-2021

Leah Alfaro  
MSRC Contracts Administration  
South Coast AQMD/MSRC  
21865 Copley Drive  
Diamond Bar, CA 91765

Dear Leah Alfaro  
MSRC Contracts Administration:

The City of Colton is requesting an extension for contract Number ML18020. This contract provided funds to purchase an all-electric passenger van. A Purchase order was submitted to Wondries Fleet in November of 2019. Lightening Systems who was going to retrofit the van to be electric was put on a waiting list. Once HVIP funds were reopened the price of the funds were reduced to \$45,000. Wondries fleet and lighting systems worked out a solution providing the City of Colton with an alternative option approved by MSRC to purchase a demo model at the same cost of the PO that has 3025 miles on it. HVIP will not allow the vehicle to change ownership to the City until November 30, 2021.

If you have any questions, please contact me at 909-370-5561.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jessica Sutorus", with a long horizontal flourish extending to the right.

Jessica Sutorus  
Environmental Conservation Supervisor



**Your Neighborhood. Your City. Your Power.**



AGENDA ITEM #7

Confirm Participation and Consider Adjustments to South Coast AQMD Trade Up Program



MSRC-TAC Agenda Item No. 7

**DATE:** October 7, 2021

**FROM:** Cynthia Ravenstein, MSRC Contracts Administrator

**SUBJECT:** Confirm Participation and Consider Adjustments to South Coast AQMD Trade Up Program

**SYNOPSIS:** In November 2019, the MSRC allocated \$4,000,000 to partner with South Coast AQMD to implement a Market Acceleration Program to encourage the early deployment of near-zero emission natural gas trucks. In August 2020, the MSRC reallocated \$3,000,000 of this funding to a separate South Coast AQMD program. This program is designed to offer incentives via a trade approach involving two parties and three trucks. Some terms of the Trade Up Program (formerly known as the Trade Down Program) have recently been identified to differ compared to what was previously presented to the MSRC. Additionally, South Coast AQMD is proposing adjustments to the Trade Up Program which would a) allow necessary repair costs up to \$10,000 to be deducted from the value of the traded-in truck; and b) allow the collection of a non-refundable deposit from the purchaser of the new near-zero truck.

**RECOMMENDATION:** None

**FINANCIAL IMPACTS:** Should the MSRC approve South Coast AQMD’s proposed adjustments, no additional funds would need to be allocated from the AB 2766 Discretionary Fund and no changes would be made to the amount of MSRC incentives. Owners of 2014 and newer trucks who traded them in requiring repairs would receive lower trade-in allowances.

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**Background:** In November 2019, the MSRC allocated \$4,000,000 to partner with South Coast AQMD and Clean Energy to implement a Market Acceleration Program (MAP) to encourage the early deployment of near-zero emission natural gas trucks. The MAP is a vehicle replacement program which targets heavy-duty on-road vehicles used in short-haul drayage activities in the

South Coast Air Basin. As envisioned at the time, two types of transactions were described to the MSRC under MAP:

1. The first and simplest type was for a fleet to scrap a pre-2010 truck and buy a new near-zero truck with \$100,000 in incentives.
2. The second type of transaction involved two parties and three trucks:
  - Have a fleet trade their 2014 or newer truck (0.2 g NOx) to a small fleet (10 or fewer trucks) for their old truck plus \$10,000\*
  - The small fleet gets a newer, lower-emitting truck to drive for \$10,000\*
  - The fleet scraps the old truck and buys a new 0.02g NOx (near-zero) truck with \$105,183 in incentives\*\*

Subsequent to the MSRC's action, South Coast AQMD decided to bifurcate the two aspects of MAP. Clean Energy continued to coordinate the simpler vehicle purchase incentive element, and the MAP name was retained for this aspect. Meanwhile, South Coast AQMD received EPA funds through the Diesel Emissions Reduction Program for the development of a separate trade program to focus on the two-party, three-truck transactions. Gladstein, Neandross, and Associates was enlisted to assist with matching fleets, and truck dealerships were lined up to participate. MSRC funding would only be used towards vehicle incentives. South Coast AQMD requested, and the MSRC approved, to reallocate \$3,000,000 from the MAP to the Trade Up Program (TUP; known at that time as the Trade Down Program).

*Clarifications:*

\*As the TUP was refined to occur through truck dealers, the \$10,000 amount to be paid for the 2014 (or newer) truck was raised to \$30,000, which took the form of a \$25,000 trade-in credit towards the new near-zero truck plus \$5,000 for the dealer for administrative costs. The small fleet would buy the 2014 or newer truck for \$30,000.

\*\*As part of the above process, the combined South Coast AQMD/MSRC incentive amount for the near-zero truck was reduced from \$105,183 to \$100,000.

MSRC staff were not notified of these value changes and thus they were not reported to the MSRC at the time the reallocation to the TUP was considered in August 2020.

Proposed Adjustments: To date, no TUP transactions have been completed. Prospective TUP-implementing truck dealers have expressed concerns regarding the potential condition of traded-in 2014 or newer diesel trucks. They anticipate that some of the used vehicles might not be in "trade-in" condition when received. To address this eventuality, it is proposed to amend the proposed dealer contracts to allow for a reduction in the traded in truck value on an as-needed basis, so that up to \$10,000 in necessary repairs could be deducted from the trade-in credit.

Dealers also noted the potential that a fleet could place an order for a new near-zero truck under the TUP, and later cancel their order. While purchase orders may have cancellation penalties, these are usually avoidable if the fleet arranges for someone else to take over their truck order—not a difficult task in the current market. That would effectively negate the TUP trade arrangement, however. To preclude fleets cancelling for convenience and to increase certainty for the small fleet, it is proposed to allow the collection of a non-refundable deposit



on the near-zero truck order. This deposit could only be refunded if the trade-in truck or pre-2010 truck were destroyed and there was no replacement available.

As originally envisioned under MAP, these trades were expected to occur in the 2020 timeframe. As noted above, no TUP transactions have yet been completed. It is now anticipated that the near-zero trucks would be delivered in the later part of 2022.

Should the MSRC approve South Coast AQMD's proposed adjustments, no additional funds would need to be allocated from the AB 2766 Discretionary Fund and no changes would be made to the amount of MSRC incentives per truck.

**Summary of MSRC approvals needed for continuing participation in TUP:**

- Small fleet's cost for the 2014 or newer truck – reported to the MSRC as \$10,000; subsequently changed to \$30,000. No impact to the MSRC incentive amount. Note that this provision is already part of the TUP Guidelines.
- Total South Coast AQMD/MSRC incentives for near-zero truck – reported to the MSRC as \$105,183; subsequently changed to \$100,000. Slight reduction in the MSRC incentive amount per truck. Note that this provision is already part of the TUP Guidelines.
- Allow deduction of up to \$10,000 in necessary repairs from the \$25,000 trade-in credit for the 2014 or newer truck. No impact on the MSRC incentive amount.
- Allow the collection of a non-refundable deposit on near-zero truck orders as part of TUP. No impact on the MSRC incentive amount.

Recommendations: None

# Agenda Item #7

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Joseph Lopat

Amend Truck Trade UP  
Dealer Agreements

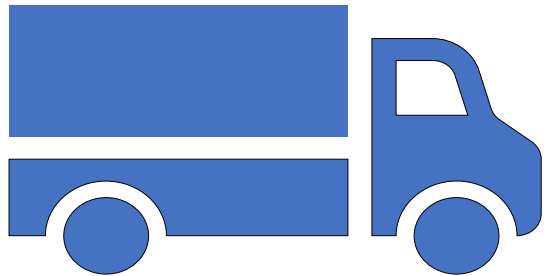
# Background

- In 2019, the Board recognized \$2,289,581 in FY-19 U S EPA Diesel Emissions Reduction Act (DERA) funds to promote a Truck Trade UP Program
  - Additional \$3,000,000 from MSRC
  - Promotes assistance to smaller fleets
- Large fleets order CNG trucks and trade in their 2014 or newer diesels
  - Receives \$100,000 incentive
  - Receives \$25,000 trade in credit
- Small fleets can purchase the trade in truck for \$30,000
  - Small fleet scraps their 2009 or older truck
  - Must be drayage operators
- Dealer receives \$5,000 for implementation

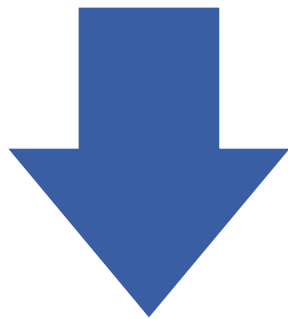


# Trade Up Program

Fleet B



Pre-2010



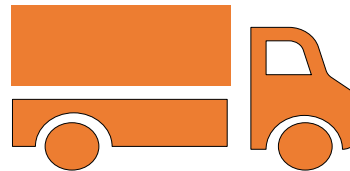
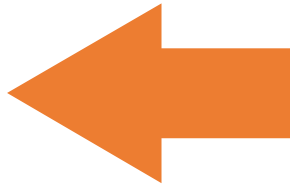
SCRAPPED

Fleet A

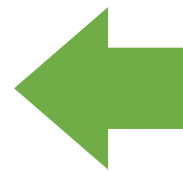
\$30k

\$25k

\$100k



2014+



2021

0.02 g NOx

Sell to Fleet B owner for \$30k

Sells to Dealer for \$25 k  
Must meet trade terms

Fleet A gets \$100k incentive for 0.02 g NOx truck

# Proposal

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- Amend dealer contract amount of \$5,000 up to \$15,000 to allow for repairs required for the trade in truck
- Repair costs up to \$10,000 come off the \$25,000 trade in value
- Dealers to provide documentation of any needed repairs

# Recommended Action

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Amend dealer contracts to adjust trade in allowance up to \$15,000 for repair costs

AGENDA ITEM #8

Consider Proposals Received under the Hydrogen Infrastructure Partnership  
Program



## MSRC-TAC Agenda Item No. 8

**DATE:** October 7, 2021

**FROM:** Ray Gorski, MSRC Technical Advisor on behalf of the Infrastructure Subcommittee

**SUBJECT:** Subcommittee Recommendations under the FY 2016-'18 Hydrogen Infrastructure Partnership Program

**SYNOPSIS:** As an element of their FYs 2016-18 Work Program, the MSRC allocated \$3,000,000 for the implementation of hydrogen refueling stations within South Coast AQMD's jurisdiction. A Program Opportunity Notice was released on April 6, 2018 and closed on April 9, 2021. \$2,662,000 has been awarded to date.

As authorized by MSRC at their June 17, 2021 meeting, full proposals have been received from California State University Los Angeles Auxiliary Services (CSULA), Air Products and Chemicals, Inc., Nikola Corporation, and Clean Energy. The MSRC-TAC Infrastructure Subcommittee has reviewed the proposals and recommends the following: 1) an award to Air Products and Chemicals Corporation in an amount not to exceed \$1,000,000; 2) an award to Nikola Corporation in an amount not to exceed 1,660,000; and 3) an award to Clean Energy in an amount not to exceed \$1,000,000. The Infrastructure Subcommittee does not recommend an award to CSULA Auxiliary Services as further discussed in this Staff Report.

Additionally, the Infrastructure Subcommittee recommends the MSRC-TAC request that the MSRC augment the Hydrogen Infrastructure Partnership Program funding allocation by an additional \$3.322M. This additional funding could be appropriated from the existing unallocated balance of the MSRC FY 2018-'21 Work Program.



WORK PROGRAM      The MSRC has allocated \$3.0M in FY 2016-'18 Discretionary Funds  
IMPACT:              to implement the Hydrogen Infrastructure Partnership Program. Funding  
above the currently allocated \$3.0M would be appropriated from the  
MSRC FY 2018-'21 Work Program unallocated budget.

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The MSRC Hydrogen Infrastructure Partnership Program seeks to expand the availability of hydrogen refueling infrastructure in the South Coast AQMD region by making available a source of co-funding that can be accessed by the MSRC's strategic partners. The intent is to provide funding that can be used to improve the financial viability of a candidate hydrogen refueling station that has already undergone vetting by the South Coast AQMD or Energy Commission or is being proposed by a public agency or industry stakeholder that will undergo evaluation by the MSRC, South Coast AQMD, or Energy Commission. The goal is to have this funding source readily available so it can be tapped by our strategic partners during and within the course of their regular procurement processes.

To date, two projects have been awarded funding under this Program. The University of California Irvine (UCI) received \$1,000,000 in MSRC **Clean Transportation Funding™** to co-fund expansion of a hydrogen refueling station at UCI, and the San Bernardino County Transportation Authority (SBCTA) received \$1,662,000 for implementation of a H<sub>2</sub> fueling station to service the Arrow zero-emission multiple unit (ZEMU) passenger rail service.

A. **NEW PROPOSALS AUTHORIZED BY MSRC, RECEIVED, & EVALUATED:** As authorized by the MSRC, full proposals have been received from California State University Los Angeles Auxiliary Services (CSULA), Air Products and Chemicals Corporation, Nikola Corporation/Nikola Energy Division, and Clean Energy. Each proposal has undergone review by the Infrastructure Subcommittee, as discussed in the following sections.

1. Air Products and Chemicals Corporation Dual-Service (H70|H35) Hydrogen Refueling Station in Paramount – Air Products proposes to construct a hydrogen refueling station in partnership with World Energy. World Energy is located at 14700 Downey Ave, Paramount, CA 90723. The site is centrally located within Southeast Los Angeles County, with access to three major freeways and transportation corridors. Paramount offers a strategically located fueling point for vehicles in transit from the San Pedro Bay Ports via the 710 Freeway.

Air Products will be the project owner and developer. World Energy will lease the land to Air Products for an extended term. The station will be open for public fueling 24 hours a day and designed specifically to support a 13-hour peak heavy-duty fueling window. The station will support public fueling for both heavy-duty trucks and light duty vehicles. The public station will be developed on the Southeast corner of the World Energy property. The expectation is

that the station will have points of ingress and egress on both Lakewood Boulevard and Somerset Boulevard.

The Hydrogen Refueling Station (HRS) proposed will be connected to Air Products' hydrogen pipeline located in Southern California. The proposed station includes point-of-use purification and compression, along with high pressure storage and dispensing capable of supporting Class 8 trucks, Light-Duty passenger vehicles, etc. The station will be open to the public for all applications and will meet or exceed all relevant codes and standards.

The station is designed to support 300kg/hour of hydrogen fueling and up to 3000 kg/day. The intent is to have a station open for fueling 24 hours a day, with a design intended to support a 13-hour peak heavy duty refueling window. In the current plan, the station will be equipped with 3 H70 Heavy Duty dispensers and 4 H70 Light-Duty dispensers with one hose per dispenser. The station will be serviced during off-peak fueling hours.

Major components of the hydrogen-fueling station with integrated control system include:

- Gaseous hydrogen compressor systems
- Gaseous high pressure hydrogen storage vessels
- Standalone cascade panels
- Automated industrial H35 (35 MPag)/ H70 (70 MPag) gaseous hydrogen dispensers
- Automated commercial H70 (70 MPag) gaseous hydrogen dispensers
- High pressure heat exchanger and refrigeration units
- Pipeline connection/ delivery station
- H2 purification

Air Products will design the equipment to the following specifications and standards:

- Design daily usage: 3,000 kg/day nominal
- Type of vehicle filled: H<sub>2</sub> fuel cell H35 and H70 Heavy-Duty vehicles (HDV) and H70 light-duty vehicles (LDV)
- Fill protocols supported: SAE J2601 for LDV; SAE J2601-2 for HDV

World Energy will host the hydrogen refueling station onsite at 14700 Downey Ave, Paramount, CA. The site is centrally located within Southeast Los Angeles County, with easy access to three major freeways and transportation corridors. Additionally, Paramount offers a fueling point for vehicles in transit from the San Pedro Bay Ports via the 710 Freeway.

Air Products requests \$1M in MSRC funding to support station construction. The overall project budget is shown below in Figure 5:

Figure 5 – Air Products H<sub>2</sub> Station Proposed Budget

CATEGORY	BUDGET	% OF TOTAL BUDGET
Purchased Equipment	\$10,600,000	56%
Engineering and Project Management	\$1,100,000	6%
Construction	\$3,400,000	18%
Misc. (permits, professional services)	\$3,700,000	20%
<b>TOTAL</b>	<b>\$18,800,000</b>	<b>100%</b>

The proposed project implementation schedule is shown below – note this Figure is a simplified summary of a detailed project implementation schedule included in the proposal that is not feasible to replicate in this staff report:

Figure 6 – Air Products H<sub>2</sub> Station Proposed Implementation Schedule

Key Milestone	Months from Project Kickoff
Site/ Station Overall Design	1-5
Detailed Civil/ Structural/ Electrical Design	6-8
Major Equipment Procurement/ Fabrication	7-17
Permitting	8-22
Construction/ Installation	22-30
Commissioning/ Startup	30-32

Infrastructure Subcommittee Recommendation: The Infrastructure Subcommittee recommends that the MSRC-TAC seek an award from the MSRC in the amount of \$1.0M to fund the Air Products hydrogen refueling station project.

2. Nikola Corporation/Nikola Energy Division – Nikola is a truck original equipment manufacturer (“OEM”), but also plans to develop hydrogen production and fueling infrastructure through its Nikola Energy division. Nikola Energy has stated their intention to develop an open access fueling network nationwide, which would be compatible with, and available to, fueling customers utilizing any OEM’s hydrogen fuel cell trucks. Nikola Energy plans to collaborate with partner Travel Centers of America on the development of this nationwide infrastructure network by jointly pursuing development of hydrogen fueling infrastructure.

Nikola Energy is seeking a \$1.66M funding contribution from the MSRC to install a hydrogen fueling station within the Inland Empire region of San Bernardino County to support warehousing and shipping operations based in the Inland Empire. The proposed location is 4265 E Guasti Rd, Ontario, CA 91761. Nikola considers this an ideal location for hydrogen fueling infrastructure as it is in the center of the Inland Empire’s warehousing and shipping

operations. Using the CalEnviroScreen 3.0 tool, this proposed station would be located within census tract 6071012700, an SB 535 Disadvantaged Community, and bordered by neighboring AB 1550 Low-income Communities in Ontario, Rancho Cucamonga, and Fontana. This station will provide various amenities and conveniences desired by truck drivers, thereby contributing towards a positive the customer experience.

Nikola Energy proposes to install a 4 tonne/day capacity hydrogen fueling station that will leverage a liquid hydrogen storage system to dispense hydrogen to trucks at an onboard service pressure of 700 bar through two fueling lanes. The basic components of the station will consist of 1) a liquid hydrogen storage tank; 2) a liquid hydrogen pump and vaporizer unit; 3) compressed hydrogen gas storage tanks; and 4) high flow dispensers. The station and its various components will be designed to meet or exceed various codes and standards requirements, with an emphasis being placed upon safety and reliability. The fueling station is expected to be capable of fueling approximately 80 trucks per day at about 50 kg per fill.

The proposed Ontario hydrogen fueling station will be co-located at an existing TA travel center that dispenses diesel, biodiesel, diesel exhaust fluid, and gasoline. There is an on-site truck scale and an on-site maintenance facility that has 6 truck work bays. This location has 549 truck parking spots to allow drivers to rest overnight. There are various customer food options including Country Pride, Taco Bell, and Pizza Hut restaurants, Grab N' Go food service, and a travel store. Additionally, there are various other driver amenities including a driver lounge, showers, barber shop, laundry room, game room, pet area, ministry services, DOT physicals, WIFI, Western Union, check cashing, and Amazon lockers.

The hydrogen fueling station will be publicly accessible 24 hours a day, 7 days a week, 365 days a year, and available to all heavy-duty Fuel Cell Electric vehicles (FCEV), regardless of OEM. Fuel dispensing will be enabled through card reader payment options, in-store payment, and, likely, through RFID scanning for fleet operators. The dispensers will be stacked in line with the existing diesel fueling lanes, enabling a seamless transition over time from diesel to hydrogen fuel. The dispensers will be covered by an extension of the existing overhead canopy for the diesel fueling island. The station equipment will be mounted on a concrete pad with appropriate retention walls, curbs, and/or venting for compliance with all applicable codes and to ensure safety and protection from any hazardous material release containment purposes. The fueling station property is fenced and has overhead lighting for security purposes. The site will have new landscaping installed for site beautification purposes.

Nikola has received quotes for the installation of three different light-duty hydrogen FCEV dispensers for use at the Ontario fueling station. Today there are no heavy-duty 70 MPa hydrogen dispensers available on the market. To achieve fueling times that are competitive with diesel fueling times, heavy-duty hydrogen fueling dispensers and new fueling protocols need to be developed. Further, improving the fueling rate for hydrogen vehicles will increase

the throughput capacity of the hydrogen fueling stations, resulting in more customers that can be served.

To support these objectives, Nikola is participating in a European Union-funded project, PRHYDE, to develop a heavy-duty hydrogen fueling protocol that would enable faster fueling speeds through higher fuel flow rates. In addition, Nikola is participating in an industry consortium consisting of heavy-duty FCEV manufacturers and hydrogen energy suppliers to develop the high-flow fueling components for Class 8 trucks capable of fueling flow rates 3 to 5 times higher than that of light-duty FCEVs on the road today, with the goal of fueling a truck in under 15 minutes.

Nikola is currently developing a hydrogen production hub in Arizona that Nikola intends to use for self-supply of hydrogen fuel for Nikola's fueling customers throughout the southwestern United States, including the Ontario hydrogen fueling station. Nikola intends to produce green electrolytic hydrogen at this hub utilizing an advantageous electricity rate that Nikola has secured with Arizona Public Service Company. Nikola anticipates that this advantageous rate will enable production of hydrogen expected to be competitive on a total-cost-of-ownership basis with diesel trucks. Nikola's hydrogen fuel will be transported from the hub to the fueling stations by truck-drawn tube trailer in liquid form, which is expected to improve efficiency, reduce cost, and increase the transportable volume of hydrogen relative to gaseous hydrogen deliveries.

Nikola has a letter of intent in place with TTSI for the purchase of 100 trucks, currently specified as 30 battery electric vehicle ("BEV") and 70 FCEV, contingent upon a successful demonstration of the vehicles' capabilities. Many of these vehicles will operate in the vicinity of the Port of Long Beach, but TTSI also does quite a few deliveries from the Ports to the Ontario area. Additionally, TTSI has operations based out of Bakersfield that facilitate shipping from the southern Central Valley into the Los Angeles Basin. Nikola is seeking additional information as to estimated fuel demand to be consumed by TTSI at the Ontario station.

Nikola is also working with other potential customers in the Inland Empire interested in purchasing FCEV trucks and utilizing the fueling station at Ontario. Nikola is aligning its efforts with the South Coast Air Quality Management District's (SCAQMD) Warehouse Actions and Investments to Reduce Emissions (WAIRE) program to encourage decarbonization of the transportation fleets in the LA Basin. Nikola's proposed lease pricing model will likely include the supply of hydrogen to its lessees. Nikola anticipates that its proposed lease model and the hydrogen demand it will create, combined with Nikola's demonstrated efforts to deploy fuel production and dispensing infrastructure to ensure fuel availability for its trucks will increase market adoption of hydrogen FCEV trucks.

Nikola has committed to construct the H<sub>2</sub> fueling station upon receipt of an MSRC funding award. The \$1.66M MSRC funding request will be leveraged with funding from Nikola and its partners and the MSRC funding will be leveraged greater than 5:1.

Infrastructure Subcommittee Recommendation: The Infrastructure Subcommittee recommends that the MSRC -TAC seek an award from the MSRC in the amount of \$1.66M to fund the Nikola Corporation/Nikola Energy Division hydrogen refueling station project.

3. Clean Energy – In response to anticipated refueling need from large eCommerce customers who will be deploying heavy-duty (HD) class 8 hydrogen trucks over the next 24 months, Clean Energy seeks to partner with the MSRC to construct a hydrogen fueling station in San Bernardino at the corner of Central and Tippecanoe Avenues.

The proposed station is collocated with Clean Energy's new Renewable CNG fleet station on seven acres of land leased in a location that is convenient to truck access. The proposed H<sub>2</sub> station has the following attributes:

- The layout features ample onsite room for truck queuing while waiting to fuel so that streets are not blocked. Trucks easily access the site, fuel, and safely enter back onto the public roadway.
- Station has up to two fueling lanes with room to add additional fueling lanes in the future.
- LH<sub>2</sub> will be sourced from local Linde/Praxair plant in Ontario, with minimum 33% renewable content
- Station is completely public access and open 24 hours per day, 7 days per week
- All fueling lanes are completely covered by a protective canopy.
- The site is protected by fencing and security cameras.
- Card readers accept payment by credit cards, Clean Energy's fleet card, and other fleet cards such as ComData, Discover, Fuelman, MasterCard Fleet, Visa Fleet, Voyager, and WEX Fleetone.
- The station is highly visible with signage on the station canopy and on the fuel tanks.
- Traffic circulation signage is provided to direct traffic in and out of the fueling lanes and the access street.
- The station is located on a major port truck artery and between major truck intersections.
- This will be a new heavy-duty clean truck site and provides fueling for a variety of vehicles, including Class 8 tractors with trailers and a variety of smaller municipal and private vehicles.

Hydrogen equipment to be installed includes an 18,000-gal liquid hydrogen tank, trailer offload skid and vaporizer. The compression, storage and dispensing equipment will include at a minimum a 56 kg/hr. dual-compressor, high pressure hydrogen storage vessels, hydrogen chiller and a SAE J2601/2 compliant hydrogen fast-fill dispenser. Figure 7, below, lists the specific equipment associated with the proposed project:

Figure 7 – Clean Energy H<sub>2</sub> Station Proposed Major Equipment List

PHASE ONE EQUIPMENT SPECIFICATIONS

COMPRESSOR	(1) Linde IC-90 Twin iconic 5-stage compressor 56 kg/hr., 2 x 131 kW, or equivalent
CHILLER	(1) Linde GH2 temperature conditioning for refueling chiller, or equivalent
STORAGE	(21) FIBA HP Seamless ASME Vessels, or equivalent
FAST-FILL DISPENSER	(1) Linde H <sub>2</sub> Dispenser, SAE J2601/2, up to 3.6 kg/min flow rate, or equivalent
TANK	(1) Chart VSH-18000SC-150-LH <sub>2</sub> , 18,000-gal liquid hydrogen tank, or equivalent
VAPORIZER	(1) Chart SG860SS-0.6 Vaporizer, or equivalent

The proposed station equipment will run on renewable hydrogen, sourced, and provided by Clean Energy Renewables (CER), a subsidiary of Clean Energy since 2008.

Figure 8, below, illustrates the Phase 1 Project cost breakdown. As shown, MSRC funding represents on the order of 12 percent of the total project cost, with approximately \$7M in other funding applied to the Phase 1 station construction.

Figure 8 – Clean Energy H<sub>2</sub> Station Proposed Cost Schedule

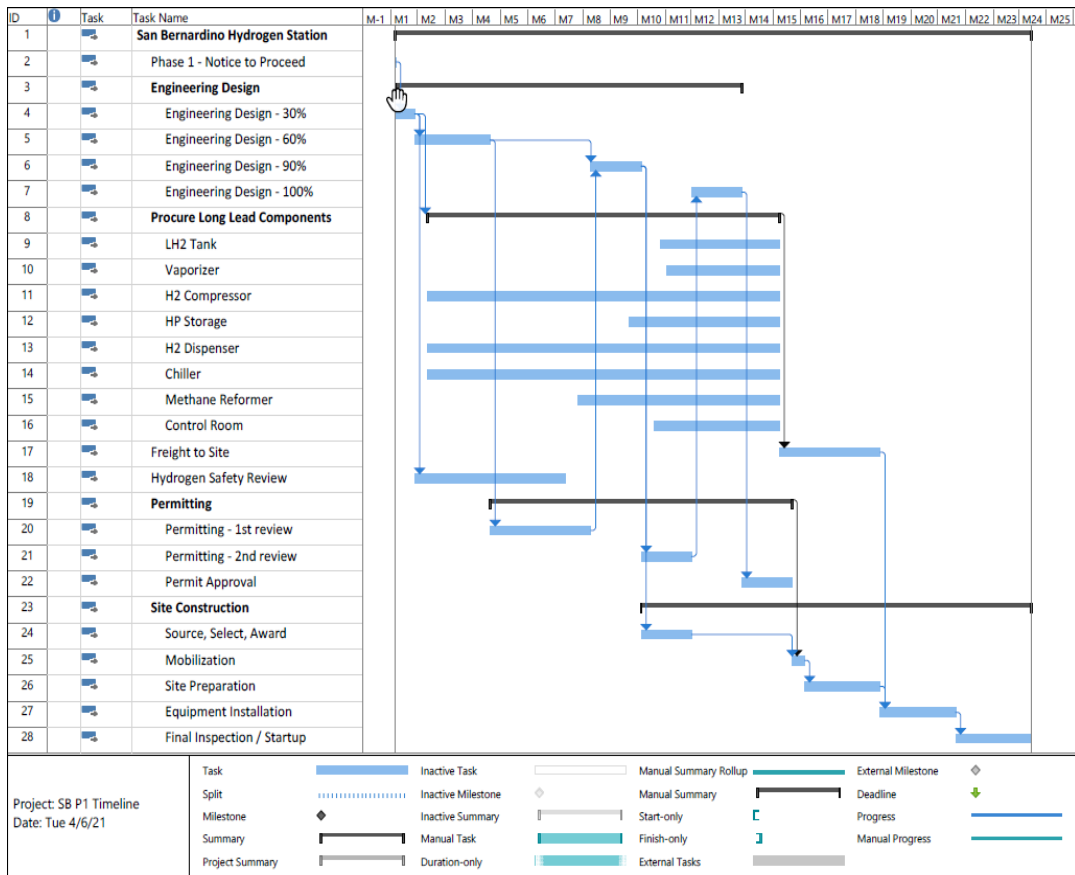
**Phase One**

Budget Item		Cost
A.	Installation	\$2,258,368
B.	Equipment	\$4,151,967
C.	Design and Engineering	\$280,047
D.	Other	\$1,383,757
Total Budget		\$8,074,139
Grant Funding Request		\$4,844,483
<b>MSRC Funding</b>		<b>\$1,000,000</b>
Carl Moyer Funding		\$3,844,483

Also shown in Figure 8 is a funding request to the South Coast AQMD Carl Moyer Program. While a recommendation to award MSRC funding for the Phase 1 project as proposed is not contingent upon receiving a Moyer award from SCAQMD, Clean Energy would be obligated to ensure necessary co-funding is available to implement the Phase 1 project in the event the MSRC does award the requested \$1M in **Clean Transportation Funding™**.

The project Schedule is shown in Figure 9. Clean Energy estimates the initial 18,000-gallon station will require approximately 24 months from the date of Authority to Proceed to completion.

Figure 9 – Clean Energy H<sub>2</sub> Station Proposed Implementation Schedule



Infrastructure Subcommittee Recommendation: The Infrastructure Subcommittee recommends that the MSRC-TAC seek an award from the MSRC in the amount of \$1.0M to fund the Clean Energy hydrogen refueling station project.

4. California State University Los Angeles Auxiliary Services – A proposal from CSULA was previously reviewed by the MSRC-TAC at the June 3, 2021 meeting. At that meeting, the MSRC-TAC recommended that the MSRC not award the requested \$1M due to CSULA’s loss of co-funding originally proposed to support station upgrades. At the MSRC meeting on June



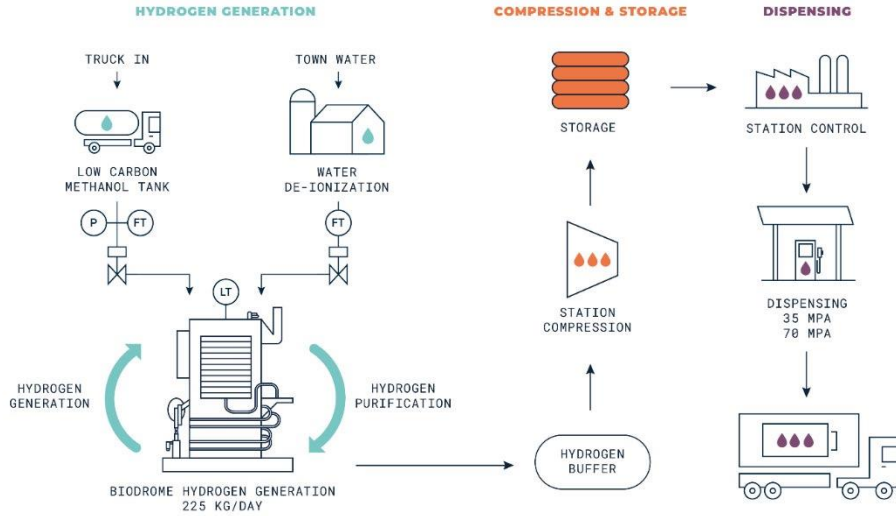
17, 2021, the MSRC granted CSULA the opportunity to resubmit their proposal to include additional partnerships, co-funding, and technology demonstration elements.

Built in 2011, the Cal State LA Hydrogen Research and Fueling Facility (HRFF) is actively engaged in research, demonstration projects, and community outreach. It can produce up to 60 kg/day - sufficient to fuel up to 20 light-duty vehicles per day. The station utilizes a Hydrogenics electrolyzer, first- and second stage compressors capable of fast-filling at 350 and 700 bar, 60 kg of hydrogen storage, water purification, and cooling system at -20 deg C°. The station is built in full compliance with the Society of Automotive Engineers (SAE) standards. Recently, the station has switched to 100% renewable solar power generated on campus - the only academic institution in the world to do so. The HRFF has also participated in multi-year data collection, hydrogen safety workshops, and equipment deployment in collaboration with the National Renewable Energy Laboratory.

The proposed station upgrade and technology demonstration is comprised of three elements:

- An increase in the station storage capacity to 210 kg through additional medium- and high-pressure tanks; a two-stage PDC compressor capable of separate compression from each stage and achieving rapid high-pressure refills; a stanchion for unloading delivered hydrogen, new T40 chilling equipment, and a corresponding 350 and 700 bar fueling dispenser. Newer technologies will also assure multiple back-to-back fueling event capability.
- Upgrades to the hydrogen cooling and dispensing equipment. This will bring the HRFF in line with the SAE-J2601 T40 performance targets improving fueling time from the current 8-10 minutes to 4-5 minutes.
- Demonstration of onsite hydrogen generation using methanol reformation. CSULA has partnered with Azzola Hydrogen to develop a biomethanol to hydrogen reformer designed to generate on the order of 225 kg of hydrogen per day. Figure 10, below, illustrates the proposed biomethanol reformation process:

Figure 10 – Proposed CSULA Biomethanol Reformer Demonstration Process



**Project Costs:** CSULA is requesting \$1.66M in MSRC **Clean Transportation Funding™** to fund the hydrogen station upgrades. This includes the storage capacity upgrades and hydrogen cooling and dispensing upgrades and is shown below in Figure 11.

Figure 11 – Proposed MSRC Funding for Station Upgrades

Major Equipment	\$/Unit	Engineering / Construction	\$/Unit
Medium-Pressure Storage	285,829	Storage Upgrade	310,111
High-Pressure Storage	94,042	Cooling Subsystem Upgrade	140,000
Gas Management Panel	137,545	Planning and Construction	279,000
Stanchion, interconnect	13,903	Consulting	29,000
Hydrogen Cooling	105,628	Miscellaneous Materials Costs	2,347
Hydrogen Dispenser	261,823	Overhead (6.25%)	772

CSULA does not propose other co-funding for the capacity and cooling/dispensing upgrade elements of their proposal. The proposal co-funding is the biomethanol reformation demonstration. CSULA provided a separate budget for that project element, as shown below in Figure 12.

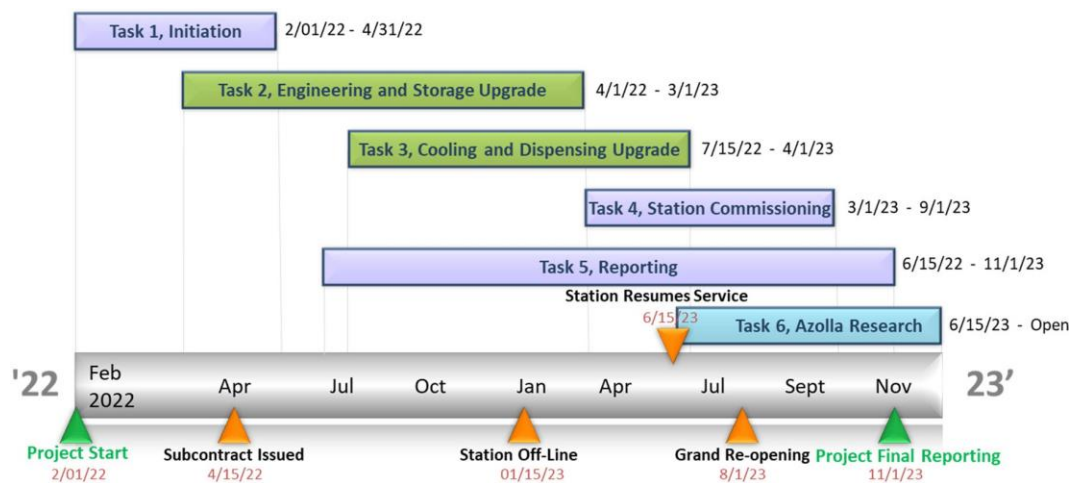
Figure 12 – Proposed Azolla Biomethanol Reformation Demonstration Budget

Major Equipment	\$/Unit	Engineering / Construction	\$/Unit
Biodome	765,400	Engineering	404,500

Methanol Tank	41,900	Planning and Construction	452,775
Compression	538,000	Commissioning	25,200
Site Safety Equipment	195,000	Maintenance & support	456,700
Water Treatment	45,000	CSULA Academic Support	500,000
Other Equipment	75,500		
<b>Biomethanol to H<sub>2</sub> Demonstration Project Total</b>			<b>3,498,975</b>

The project implementation schedule is shown below in Figure 13.

Figure 13– Project Implementation Timeline



**Infrastructure Subcommittee Recommendation:** The Infrastructure Subcommittee recommends that the MSRC-TAC not seek an MSRC funding award for the CSULA H<sub>2</sub> station at this time. While the hydrogen research, technology demonstration, and workforce development capabilities of CSULA were duly noted, the Infrastructure Subcommittee’s recommendation is based upon the following:

- There are no substantive changes in the station upgrade elements of the CSULA proposal as compared to the previous proposal. Relative to other MSRC hydrogen station investment opportunities, the CSULA station offers substantially lower refueling capacity and is deemed not cost-effective relative to the MSRC funding amount sought.
- No cost share for the station upgrades was offered by CSULA. The ability to leverage other funding was a key component of the MSRC’s Hydrogen Partnership Program. The MSRC would be the sole funder of the station upgrades.

- The methanol reformer component of the proposed project was offered as co-funding. While interesting from a research and technology development perspective, the methanol reformer was perceived as a separate research and development project with little direct connectivity to the overall station upgrade. The \$3.5M investment in the methanol reformation demonstration would not result in the same station capacity and capability improvements if compared to investing \$3.5M in upgrades that would substantially improve the capacity, accessibility, and availability of hydrogen fuel.

The Infrastructure Subcommittee recognizes the contribution of CSULA in furthering hydrogen fuel research and in educating future generations of scientists and engineers. The Infrastructure Subcommittee expressed hope that CSULA will be successful in developing additional partnerships that are more closely aligned with future MSRC funding opportunities.

**B. Summary:** The Infrastructure Subcommittee has reviewed the proposals submitted by CSULA Auxiliary Services, Air Products and Chemicals Corporation, Nikola Corporation/Nikola Energy Division, and Clean Energy. Based upon this review, the Infrastructure Subcommittee recommends the MSRC-TAC approve the following award recommendations:

1. Air Products and Chemicals Corporation in the amount of \$1,000,000;
2. Nikola Corporation/Nikola Energy Division in the amount of \$1,660,000; and
3. Clean Energy in the amount of \$1,000,000.

Additionally, the Infrastructure Subcommittee recommends the MSRC-TAC request that the MSRC augment the Hydrogen Infrastructure Partnership Program funding allocation by an additional \$3.322M. This additional funding could be appropriated from the existing unallocated balance of the MSRC FY 2018-'21 Work Program.

AGENDA ITEM #9

2021-2022 Clean Fuels/Clean Technologies Conference Calendar

## Clean Fuels and Clean Technologies Conference Calendar for 2021 - 2022

### October 2021

- Oct 2-10 North American International Auto Show, (Pre-show dates: Sept 24-30) Detroit, MI., Website: <https://naias.com/>
- Oct 5-8 **18<sup>th</sup> Biennial Conf on Transportation & Energy, New Beginnings & New Opportunities: Decarbonizing Transportation**, Pacific Grove, CA. Website: [https://asilomar-its.ucdavis.edu/?utm\\_source=BenchmarkEmail&utm\\_campaign=Asilomar\\_2021%3a\\_Save\\_the\\_Date&utm\\_medium=email](https://asilomar-its.ucdavis.edu/?utm_source=BenchmarkEmail&utm_campaign=Asilomar_2021%3a_Save_the_Date&utm_medium=email)
- Oct 6 California Clean Air Day, Website: [www.cleanairday.org](http://www.cleanairday.org)
- Oct 7-10 **Orange County Auto Show, Anaheim, CA., Website:** <https://autoshowoc.com/>
- Oct 16-17 **California Trucking Show, Ontario, CA., Website:** <https://californiatruckingshow.com/>
- Oct 19 **North American Virtual Hydrogen Summit, Website:** <https://gasworldconferences.com/conference/h2-view-virtual-north-american-hydrogen-summit/>
- Oct 28-29 International Conference on Hydrogen & Fuel Cell Technology, Los Angeles, CA., Website: <https://waset.org/hydrogen-and-fuel-cell-technology-conference-in-october-2021-in-los-angeles>

### November 2021

- Nov 4 Green California Schools & Community Colleges Summit, Pasadena, CA., Website: <https://10times.com/green-california-schools/reviews>
- Nov 7-10 **BECC Behavior, Energy & Climate Change Conference, Virtual, Website:** <https://beccconference.org/>
- Nov 19-28 **LA Auto Show, Los Angeles, CA., Website:** <https://laautoshow.com/>

### December 2021

- Dec 7-9 Advanced Automotive Battery Conference In-Person/Virtual, San Diego, CA., Website: <https://www.advancedautobat.com/us/>

March 2022

- Mar 8-10**     **Air Quality Measurement Methods & Technology Conference, San Diego, CA.,**  
Website: [https://www.awma.org/ev\\_calendar\\_day.asp?date=3/8/2022&eventid=213](https://www.awma.org/ev_calendar_day.asp?date=3/8/2022&eventid=213)
- Mar 29-30**     **2022 Clean Tech Summit-Transitioning to a Low Carbon Economy, Chapel Hill,**  
N.C., Website: <https://ie.unc.edu/clean-tech-corner/2022-clean-tech-summit/>
- Mar 30-31**     **ACI 10<sup>th</sup> Annual National Conference on Microgrids, Boston, MA. Website:**  
<https://www.wplgroup.com/aci/event/us-national-microgrids-conference/>

April 2022

- Apr 6-7**     **Freight and Environment: Ports of Entry, Oakland, CA., Website:**  
[https://www.awma.org/ev\\_calendar\\_day.asp?date=2022-04-07&eventid=218](https://www.awma.org/ev_calendar_day.asp?date=2022-04-07&eventid=218)

May 2022

- May 11-13**     **Air Sensors International Conference, Pasadena, CA., Website:**  
<https://asic.aqrc.ucdavis.edu/>
- May 17-19**     **Center for Advancing Research in Transportation Emissions, Energy & Health**  
**(CARTEEH) Transportation Air Quality and Health Symposium, Riverside, CA., Website:**  
<https://events.tti.tamu.edu/conference/2021-carteeh-symposium/>

For the latest updates on the listed conferences, please call the conference contact person directly

Last updated 8/4/2021 **(Items in bold were recently added).**