



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

**AGENDA**

**Thursday, May 14, 2020 at 1:30 p.m.**

Pursuant to Governor Newsom’s Executive Orders N-25-20 (March 12, 2020) and N-29-20 (March 17, 2020), the MSRC-TAC meeting will only be conducted via video conferencing and by telephone. Please follow the instructions below to join the meeting remotely.

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**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 548543.(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.*

## **CALL TO ORDER**

Opening Comments: Dan York, MSRC-TAC Chair  
Other MSRC-TAC Members  
Naveen Berry, Asst. DEO/Science & Technology Advancement

- Elections of MSRC-TAC Chair and Vice Chair **Berry**

## **STATUS REPORT**

Clean Transportation Policy Update **York**

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

## **CONSENT CALENDAR (Items 1 through 3)**

### **Receive and Approve**

1. **Summary of Final Reports by MSRC Contractors** **Gorski**
  - Omnitrans, MS16117  
(\$175,000– Expansion of Existing CNG Infrastructure)
  - Omnitrans, MS16118  
(\$175,000– Expansion of Existing CNG Infrastructure)
  - Anaheim Transportation Network, MS18006  
(\$219,564– Implement Anaheim Circulator Service)
  - Orange County Transportation Authority, MS18102  
(\$1,146,000– OC Flex Micro-Transit Pilot Project)
  - Orange County Transportation Authority, MS18103  
(\$642,000– Install Hydrogen Detection System)
  - Regents of the University of California, MS18014  
(\$254,795– Planning for EV Charging Infrastructure Investments)
  - Los Angeles County MTA, MS21001  
(\$1,148,742– Implement Special Transit Service to Dodger Stadium)

**Information Only - Receive and File**

- 2. **MSRC Contracts Administrator’s Report** **Ravenstein**  
This report covers key issues addressed by MSRC staff, status of open contracts, and administrative scope changes from February 27, 2020 through April 29, 2020.
  
- 3. **Financial Report on AB 2766 Discretionary Fund** **Kampa**  
Financial report for April 2020.

**ACTION CALENDAR (Items 4 through 14)**

- 4. **Consider Seven-Month Term Extension by County of Los Angeles, Contract #ML14030 (\$425,000 – Bicycle Racks, Outreach and Education)** **Ravenstein**  
The County requests a seven-month term extension because the COVID-19 situation has resulted in a freeze on non-essential services, supplies and equipment, which will cause a delay in the final procurement and installation of supplemental lighting at bicycle racks.
  
- 5. **Consider Four-Month Term Extension by City of Claremont, Contract #ML16053 (\$498,750 – Implement “Complete Streets” Pedestrian Access Project)** **Ravenstein**  
The City requests a four-month term extension because the COVID-19 situation prevents them from conducting meaningful post-construction bicycle and pedestrian counts as required by the contract.
  
- 6. **Consider One-Year Term Extension by San Bernardino County Transportation Authority (SBCTA), Contract #MS16096 (\$450,000 – EV Charging Infrastructure)** **Ravenstein**  
SBCTA requests a one-year term extension due to delays in equipment delivery associated with the COVID-19 situation.
  
- 7. **Consider Increasing Stations from Thirteen to Twenty-four by City of Brea, Contract #ML18100 (proposed) (\$56,500 – Install EV Charging Infrastructure)** **Ravenstein**  
As a result of a funding opportunity with Tesla, the City of Brea requests to expand the number of stations to be installed from 13 to 24.

- 8. Consider Sixteen-Month Term Extension by City of Calimesa, Contract #ML18139 (\$50,000 - Install Bicycle Lane) Ravenstein

The City requests a sixteen-month term extension due to earlier delays associated with a wildfire, and, more recently, delays in right-of-way acquisitions due to the COVID-19 situation.
  
- 9. Consider Modified Statement of Work by City of Fontana, Contract #ML18144 (\$269,090 – Install EV Charging Infrastructure) Ravenstein

The City requests to substitute 4 single-port stations and 4 dual-port stations for the 12 stations specified in the contract.
  
- 10. Consider Modified Statement of Work by City of Alhambra, Contract #ML18169 (\$111,980 – Install EV Charging Infrastructure) Ravenstein

The City requests to substitute 2 single-port stations and 8 dual-port stations for the 12 stations specified in the contract, and correct an address.
  
- 11. Consider Re-Opening Contract for Los Angeles Metropolitan Transportation Authority, Contract #MS18025 (\$1,324,560 – Special Bus and Train Service to Dodger Stadium) Ravenstein

Contract was closed in error prior to payment of final invoice in the amount of \$255,011. Authorization is requested to re-open the contract solely for purposes of this reimbursement.
  
- 12. Consider Request to Release Retention by R.F. Dickson Co., Contract #MS18106 (\$265,000 – Expand CNG Station and Train Mechanics) Ravenstein

Contracts with private entities under the MSRC's FYs 16-18 Natural Gas Infrastructure Program include a retention of 10% pending submittal and MSRC approval of a final report. R.F. Dickson has completed the CNG station expansion portion of their work under this contract, but they are currently unable to complete the mechanic training due to the COVID-19 situation. R.F. Dickson requests that the MSRC release the retention for the station element only, in the amount of \$25,000.

**FYs 2018-21 WORK PROGRAM**

- 13. Update on MSRC's Regional Goods Movement Program Gorski

This item will provide a brief update on happenings related to the MSRC's Regional Goods Movement Program. The report may include updates on meetings with prospective stakeholders and targeted timeframes for bringing items to the MSRC for consideration. *No written material.*

14. Consider Sole-Source Proposal from Southern California Associated Governments (SCAG) to Implement Last Mile Component of MSRC Goods Movement Program

Gorski

At their April 16, 2020 meeting, the MSRC authorized SCAG to submit a sole source proposal for implementation of the Last Mile component of the MSRC’s Regional Goods Movement Program. The Last Mile category focuses on transportation following departure from distribution centers. The MSRC-TAC Last Mile Subcommittee recommends that the MSRC-TAC recommend to the MSRC that SCAG be awarded a sole-source contract to implement the Last Mile component of the FYs 2018-21 Work Program. The Subcommittee further recommends that the initial award be to implement Phase 1 of the implementation plan, in the amount of \$10,000,000, with a recommendation to bring Phase 2 forward for consideration when future MSRC revenue amounts are more fully known.

**OTHER BUSINESS**

15. Any member of this body, or its staff, on his or her own initiative or in response to questions posed by the public, may ask a question for clarification, may make a brief announcement or report on his or her own activities, provide a reference to staff regarding factual information, request staff to report back at a subsequent meeting concerning any matter, or may take action to direct staff to place a matter of business on a future agenda. (Govt. Code Section 54954.2)

York

**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: June 4, 2020, 1:30 PM, Location TBD**

**Americans with Disabilities Act**

*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 Penny Shaw Cedillo at (909) 396-3179 from 7:00 a.m. to 5:30 p.m., Tuesday through Friday, or send the request to pcedillo@aqmd.gov.*

**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 prior to the meeting for public review at the South Coast Air Quality Management District, Public Information Center, 21865 Copley Drive, Diamond Bar, CA 91765.*

Contacts: Cynthia Ravenstein, MSRC Contracts Administrator – (909) 396-3269  
Ray Gorski, MSRC Technical Advisor – (909) 396-2479  
Penny Shaw Cedillo, MSRC Administrative Liaison – (909) 396-3179

\*\*\* 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 Chairman will announce public comment.

A countdown timer will be displayed on the screen for each public comment.

If interpretation is needed, more time will be allotted.

**Once you raise your hand to provide public comment, your name will be added to the speaker list. Your name will be called when it is your turn to comment. The host will then unmute your line.**

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- This will signal to the host that you would like to provide a public comment and you will be added to the list.

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- If you would like to make a public comment, please click on the “**Raise Hand**” button on the bottom of your screen.
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AGENDA ITEM #1

Summary of Final Reports by MSRC Contractors



MSRC-TAC Agenda Item No. 1

Date: May 14, 2020  
From: Ray Gorski, MSRC Technical Advisor  
Subject: Final Reports Received and Reviewed

Seven (7) Final Reports have been submitted for MSRC-TAC review and approval:

- Omnitrans, MS16117 (\$175,000 – Expansion of Existing CNG Infrastructure)
- Omnitrans, MS16118 (\$175,000 – Expansion of Existing CNG Infrastructure)
- Anaheim Transportation Network, MS18006 (\$219,564– Implement Anaheim Circulator Service)
- Orange County Transportation Authority, MS18102 (\$1,146,000– OC Flex Micro-Transit Pilot Project)
- Orange County Transportation Authority, MS18103 (\$642,000 - Install Hydrogen Detection System)
- Regents of the University of California, MS18014 (\$254,795 – Planning for EV Charging Infrastructure Investments)
- Los Angeles County MTA, MS21001 (\$1,148,742 – Implement Special Transit Service to Dodger Stadium)

A summary of each Final Report is attached. The MSRC staff has reviewed each Final Report and recommends approval.



**Contractor:** Omnitrans  
**Contract Number:** MS16117  
**Contract Amount:** \$175,000  
**Title:** East Valley Maintenance Facility CNG Refueling Infrastructure

**Discussion:** Background: The East Valley Maintenance Facility is located at 1700 West 5<sup>th</sup> Street in San Bernardino. The facility originally had two (2) 30,000 gallon LNG tanks providing onsite storage for approximately five (5) days of fuel usage. The facility converted odorless LNG into LCNG and dispensed approximately 5,400 gallons per day for the fleet of 76 40- foot and 14 60-foot buses. The Facility operates service and fueling island with three (3) lanes capable of fueling articulated buses. Typical duration for servicing the buses is 8 minutes. The Average fuel consumed per bus is approximately 45.9 gallons per day. The Omnitrans East Valley fleet consumes approximately 162,494 gallons of fuel per month or 1.7 million gallons per year. The fleet consumes an average of 18,250 gallons per bus per year which is well above the industry averages (10,000 gallons per year) for fuel consumed per bus per year.

Omnitrans issued a task order to contracted Architectural & Engineering firm to develop the necessary performance specifications and construction design “Bridging” documents for a “Design, Build, & Maintain” project to provide CNG fast-fill fueling to meet all current Omnitrans fleet fueling requirements. The awarded Contractor was responsible to submit final design, calculations, one hundred percent (100%) construction drawings, equipment specifications and construction details to all local authorities having jurisdiction for permit plan review approval.

Project requirements included that Contractor provided all equipment, materials, components and labor/construction to build the complete CNG fueling system as required by the RFP. Scope of work included passing performance testing for all CNG dispensing systems and passing all jurisdictional inspections and tests. Construction included all equipment, electrical systems, skids, sound attenuation systems, piping, plumbing, demolition, detection and emergency systems, paving, drainage, and other systems needed to make the entire system turnkey and fully operational. Contractor was responsible to maintain CNG fueling station for base contract period of one (1) year with three (3) optional 1-year extensions based upon performance.

The project required contractor to coordinate and make connections for natural gas, electrical power and communications (telephone, etc.) that are used in the operation of the facilities and production and dispensing of CNG at the point of connection provided by the respective utilities. Contractor coordinated and provided all necessary electric utility upgrades and electrical distribution gear.

The application for additional electrical power from Southern California Edison (SCE) required was the responsibility of the Contractor including applications to the SCE. The Contractor was responsible for installing all infrastructure required by, but not provided by, SCE. All construction related activities for connecting to equipment and panels was the responsibility of the contractor.

Contractor also coordinated and made connections for natural gas from Southern California Gas Company (SCGC) for new CNG fueling system.

The awarded contractor provided all of the equipment, utilities, labor, and parts required for a pipeline

CNG fueling station at this location. The new CNG fueling equipment consists of such items as:

- Dual tower dryer with manual regeneration
- Compressors
- Coalescing filter assemblies
- Buffer control valve panel
- Defueling panel
- Station master control system

The existing CNG storage vessels, coalescing filter assemblies, and fast-fill dispensers were reused. An additional CNG supply pipeline was provided from the compressor area to the buffer panel. Pipes were mounted on the existing CMU wall from the compressor farm to the buffer panel.

A backup power generating system was provided and sized to provide enough electrical back up to operate two out of the three installed compressor units. Enough above ground diesel fuel storage was provided to fuel buses for a minimum of three (3) evening service periods.

Contractor demolished the existing LCNG facilities after final testing and verification of operation that the new pipeline CNG fueling system was fully operational and reliable. Demolition included removal of all LCNG equipment, and electrical system back to the main distribution board. Existing systems including but not limited to communications, methane detection, fire protection systems that were made obsolete by the removal of the LCNG system and building were removed in an approved manner. The Contractor made ready the area for bus parking including backfilling of the void left from demolishing the old LCNG building, removing bollards, and repaving the area with concrete.

Other Improvements at the East Valley site included relocation of an existing trash compactor/dumpster unit that was adjacent to the old LCNG building. This was done in order to maintain adequate bus parking and traffic flow. The existing compactor was moved to a new site adjacent to the new CNG compression plant. Contractor restored concrete paving for bus parking at the existing location and provided necessary foundations, bollards, power and pavement striping at the new location.



The significant issue experienced was the coordination work with our electrical utility provider. After all of the design work, applications, fees paid, and work done, there was several months delay in them providing the electricity needed to start up the new CNG fueling system. Overall the project went smooth with the exception of the delay caused by the electric utility provider as mentioned above. The work coordination and shutdowns went extremely well with minimal disruption to daily activities and the agency's ability to provide service. The new CNG system has proven to be reliable and a cost savings to the agency.

**Contractor:** Omnitrans  
**Contract Number:** MS16118  
**Contract Amount:** \$175,000  
**Title:** West Valley Maintenance Facility CNG Refueling Infrastructure

Discussion: The West Valley Maintenance Facility is located at 4748 Arrow Highway in Montclair. The facility originally had one (1) 20,000 gallon LNG tank providing onsite storage for approximately three (3) days. This facility like East Valley also converted odorless LNG into LCNG and two (2) fuel lanes dispensed approximately 2,991 gallons per day for the 54 active buses. Typical duration for service/cleaning the buses is 8 minutes. The average fuel consumed per bus is approximately 47.5 gallons per day. The West Valley fleet consumes an average of 18,250 gallons of fuel per year per bus and over 1.0 million gallons total.

Omnitrans issued a task order to contracted Architectural & Engineering firm to develop the necessary performance specifications and construction design "Bridging" documents for a "Design, Build, & Maintain" project to provide CNG fast-fill fueling to meet all current Omnitrans fleet fueling requirements.

Awarded Contractor was responsible to submit final design, calculations, one hundred percent (100%) construction drawings, equipment specifications and construction details to all local authorities having jurisdiction for permit plan review approval.

Project requirements included that Contractor provided all equipment, materials, components and labor/construction to build the complete CNG fueling system as required by the RFP. Scope of work included passing performance testing for all CNG dispensing systems and passing all jurisdictional inspections and tests. Construction included all equipment, electrical systems, skids, sound attenuation systems, piping, plumbing, demolition, detection and emergency systems, paving, drainage, and other systems needed to make the entire system turnkey and fully operational. Contractor was responsible to maintain CNG fueling station for base contract period of one (1) year with three (3) optional 1-year extensions based upon performance.

The project required contractor to coordinate and make connections for natural gas, electrical power and communications (telephone, etc.) that are used in the operation of the facilities and production and dispensing of CNG at the point of connection provided by the respective utilities. Contractor coordinated and provided all necessary electric utility upgrades and electrical distribution gear.

The application for additional electrical power from Southern California Edison (SCE) required was the responsibility of the Contractor including applications to the SCE. The Contractor was responsible for installing all infrastructure required by but not provided by SCE. All construction related activities for connecting to equipment and panels was the responsibility of the contractor.

Contractor also coordinated and made connections for natural gas from Southern California Gas Company (SoCalGas) for new CNG fueling system.

The awarded contractor provided all of the equipment, utilities, labor, and parts required for a

pipeline CNG fueling station at this location. The new CNG fueling equipment consists of such items as:

- Dual tower dryer with manual regeneration
- Compressors
- Coalescing filter assemblies
- Buffer control valve panel
- Defueling panel
- Station master control system

The existing CNG storage vessels were reused.

A backup power generating system was provided and sized to provide enough electrical back up to operate one out of the two installed compressor units. Enough above ground diesel fuel storage was provided to fuel buses for a minimum of three (3) evening service periods.

Contractor conducted final testing and verification of operation that the new pipeline CNG fueling system was fully operational and reliable. Demolition included removal of all LCNG equipment, and electrical system back to the main distribution board. Existing systems including but not limited to communications, methane detection, fire protection systems that were made obsolete by the removal of the LCNG system were removed in an approved manner.



### **Issues Encountered & Resolved**

1. The most significant issue encountered was the coordination work with our natural gas utility provider. After all of the design work, applications, fees paid, and work done, there was several months delay in them providing the natural gas needed to start up the new CNG fueling system.
2. An challenge that had to be overcome was the need to set up temporary fueling of buses while the old CNG plant was demolished, and the new CNG plant was constructed. There were space constraints that made it necessary that the new system had to go where the old system was located. If not for the space constraints Luskin could have built the new CNG plant in a new location while keeping the old system online to fuel the buses.

**Contractor:** Anaheim Transportation Network  
**Contract Number:** MS18006  
**Contract Amount:** \$219,564  
**Title:** Implement Anaheim Circulator Service

**Discussion:** The Honda Center and Angel Stadium are event centers located within the City of Anaheim. A number of sporting events, concerts, and other major events are implemented at these centers. The Anaheim Transportation Network proposed to implement a circulator service, with primary emphasis upon Los Angeles Angels of Anaheim Major League Baseball games and Anaheim Ducks National Hockey League games, providing



transit service from five pickup/drop-off points in central Anaheim to the Anaheim Regional Transportation Intermodal Center (ARTIC), which is in close proximity to the Honda Center and Angel Stadium. In addition to allowing event attendees to use public transportation for all or a portion of their trip, the service would also reduce traffic congestion for all motorists on adjacent arterial streets and freeways. Reduced traffic congestion would yield additional air quality benefits by avoiding the emissions associated with stop and go driving and queuing.

The Anaheim Transportation Network operated the circulator service and a portion of the cost of the service was reimbursed through funds provided by the MSRC. The goal of the Service was to reduce emissions from private vehicle trips to the Honda Center and Angel Stadium and reduce traffic congestion in the surrounding areas. Additionally, by encouraging the use of public transportation, it was intended that the added Service would result in some patrons expanding their use of alternative modes to other trips.

The ATN implemented the circulator bus service to and from ARTIC with five pickup/drop-off points as specified below.

- State College Boulevard & Katella Avenue;
- Vermont Avenue & Olive Street;
- Anaheim Boulevard and South Street;
- Anaheim Boulevard and Santa Ana Street; and
- Center Street Promenade.

The service began operating starting with the fall 2017 National Hockey League season. The first day of service was October 5, 2017 and the last day of service was April 4, 2018. A list of operating dates and ridership is included in Attachment 1 – Supporting Documentation.

Initial passenger pick-ups began two hours prior to events and continued until the event start time. Service departing an event began in the seventh inning for Angels games, and one-half hour prior to the scheduled conclusion for all other major events and continued for one hour after the major event concluded—even if it ran long. Passengers were be able to ride the service free of charge.

Promotional efforts were made to market the circulator service, the air quality benefits of alternative commute modes, and the support of the MSRC's Clean Transportation Funding Program. Outreach was performed by both event centers as well as ATN.

Service promotion elements included:

- Advertisement of the Service on buses in ATN's fleet, via interior and exterior ad panels;
- "Wrap" advertisements promoting service on two of ATN's buses;
- Rack Cards and/or postcards advertising the service posted at restaurants, hotels and entertainment venues within the project area;
- Rack Cards and/or postcards posted in and around the Event Centers and ARTIC;
- Promotion of the Service through e-mail mechanisms for reaching Angels and Ducks ticketholders;
- Joint press releases by ATN and each of the Event Centers;
- Promotion of the Service on Event Centers' exterior marquees;
- In-game audio announcements at Angels and Ducks games;

Promotional materials included information to increase public awareness of the mission and achievements of the MSRC's Clean Transportation Funding Program. ATN affixed a Clean Transportation Funding decal to each of the buses and the MSRC's logo was included on the rack cards.

### ***Summary and Conclusions***

ATN worked hard to promote the circulator service and provide a clean, efficient, and convenient service to the public attending these events. Unfortunately, the service never generated enough ridership to warrant the continued service and the project had to be concluded early.

ATN ended the service at the conclusion of the regular NHL season. MSRC was billed for ridership from October 2017 to April 2018 in the amount of \$9,488.22. No additional service or ridership was generated after that date and ATN did not request additional reimbursement from the MSRC.

**Contractor:** Orange County Transportation Authority  
**Contract Number:** MS18102  
**Contract Amount:** \$1,146,000  
**Title:** OC Flex Micro-Transit Pilot Project

**Discussion:**

In October 2018, OCTA introduced OC Flex, a new on-demand, curb-to-curb shuttle service in two zones of the county where transit demand does not support traditional fixed-route service.

The two zones included in the pilot program service areas are referred to by color. The Blue Zone represents the OC Flex service operated in parts of Huntington Beach and Westminster. The Orange Zone represents the OC Flex service operated in parts of Aliso Viejo, Laguna Niguel, and Mission Viejo.

OC Flex does not run on a fixed route like regular bus service or use surge pricing to charge more during busier times. OC Flex picks up and delivers riders to their destination on demand.

Within each zone and during the hours of operation, riders have the flexibility to choose their destination such as restaurants, malls, movies, medical offices, music lessons, bus stops, train station.

While OCTA did not encounter any problems, there were several lessons learned related to:

- Direct/indirect contractual relationships
- Vendor-specific limitations on software (promotions)
- Time needed to make adjustments to the service
- Identifying specifications in the scope of work that outline vendor reporting requirements
- Ridership trends
  - Ridership is heaviest during the weekday peak periods (a.m./p.m.); lower on Saturdays; and light on Sundays
  - Low ridership was experienced on Holidays such as Thanksgiving, Christmas, and New Year’s Day.



Travel easily from curb to curb with OC Flex.

- Ride all day for \$4.50.**  
Unlimited local rides all day are only \$4.50 when paid on the OC Flex Mobile App or \$5 cash onboard.
- Share your ride.**  
OC Flex is a shared-ride service. Great for group rides! Other customers may be picked up or dropped off while you are onboard.
- Professional drivers.**  
Ride with confidence knowing your drivers have undergone rigorous background checks and safety training.

- A strong commuter base exists in the Orange Zone as many trips begin and/or end at the Laguna Niguel/Mission Viejo (LN-MV) Metrolink Station during the weekday peaks.

The Board approved five primary goals and performance metrics to evaluate the pilot program. These goals and metrics are to:

- Provide public transit mobility in lower-demand areas: to be measured by ridership and productivity.
- Reduce total operating and capital costs: to be measured by subsidy per boarding.
- Reduce vehicle miles traveled: to be measured by shared rides occurring
- Extend the reach of OC Bus and Metrolink services: to be measured by connecting transit trip.
- Meet customer needs: to be measured by customer satisfaction.

To create awareness of and interest in riding OC Flex, OCTA has conducted ongoing, targeted marketing and outreach campaigns since the service inception. Highlights of the marketing programs included a comprehensive launch campaign including direct mail, business and community outreach, special events, and digital and outdoor advertising that reached nearly 200,000 people.

OCTA also partners with 25 businesses which offer discounts to OC Flex customers. Targeted promotions have included incentives to induce ridership during lower-demand time periods such as holidays and weekends. This included a holiday promotion to students, shoppers, and families, as well as a discounted fare promotion for groups with two or more riders during weekends. OCTA introduced the OC Flex Referral Program that gives \$4.50 in credit toward a free day pass for the introduction:

In addition to participating in community events to promote OC Flex, OCTA continues to market the OC Flex to area businesses such as hotels, auto dealerships, and medical complexes to encourage their patrons to use the OC Flex as a transportation option to and from their businesses. More than 80 of the free ride codes were redeemed from these marketing efforts.

In conclusion, the OC Flex Pilot Program performance has been positive. The OC Flex micro transit project has been well received and customer satisfaction is high. A total of 89 percent of respondents to a January 2019 customer satisfaction survey reported that they were “likely to extremely likely” to recommend OC Flex to a friend or colleague (127 respondents).

In a following August 2019 survey, those “likely to extremely likely” to recommend OC Flex had increased to 91 percent of the 197 survey respondents. In addition to overall service feedback, OC Flex riders are also prompted to rate each OC Flex trip on a “five-star” score. Of the more than 8,700 ride ratings received from October 2018 to October 2019, 95 percent of the trip scores received have been five stars.

Of the five Board-approved performance metrics, three have reached the respective targets, and the remaining two, though below their respective targets, are trending in the right direction. In January 2020, the OCTA Board approved an extension of the OC Flex micro transit pilot program to October 2020 to implement strategies to improve performance and allow for greater service establishment and awareness. Staff reviews performance regularly, seeking opportunities to promote the service and make adjustments that meet customer needs within existing resources.



**Contractor:** Orange County Transportation Authority  
**Contract Number:** MS18103  
**Contract Amount:** \$642,000  
**Title:** Install Hydrogen Detection System

**Discussion:** The project scope included the installation of 42 hydrogen gas detectors, 25 hydrogen flame detectors, two control panels, hydrogen gas warning lights and horns; and interface detectors within existing alarm and fire control systems.

The existing display panel in bus maintenance shop supervisor office was not compatible with integrating and displaying hydrogen sensors. A change order was issued on June 18, 2019 to install a new display panel and related wiring and programming work for hydrogen detection display in the bus maintenance shop supervisor office.



Benefits include:

- Provides safety precaution by detecting the presence of hydrogen gas emitted from the buses. The OCTA hydrogen buses produce emissions reduction of 296 pounds of reactive organic gases, 936 pounds of nitrogen oxides, 696,000 pounds of carbon monoxide and 46 pounds of particulate matter under 10 micrometers annually.
- OCTA has the largest hydrogen fueling station in the nation for transportation purposes. The fueling capacity is 18,000 gallons.
- Provides increase in MPG. Current OCTA CNG buses average 3 MPG. New hydrogen fuel cell buses average 6 MPG (gas equivalent).
- Provides safety benefits when there is a leakage. If a leak occurs, lighter-than-air hydrogen gas rises and disperses rapidly. This non-toxic gas is also safe to breathe.
- Enhance perception of OCTA by positioning OC Bus as environmentally green by providing clean air transportation in Orange County.
- Build excitement about the new hydrogen fuel cell electric bus and fueling station.

- Provide education about OCTA's initiatives to have a positive effect on the community's net vehicle air emission levels by operating clean vehicles and the role that grant funding plays in accomplishing lower emissions.
- Engage the community and encourage participation in events throughout the year.

An outreach plan was developed to create awareness, enhance perception and encourage ridership on those new buses in the disadvantaged communities. OCTA's strategy included to:

- Develop an overall educational campaign highlighting OCTA's various green transit initiatives.
- Promote OC Bus green initiative through targeted campaign
- Identify geographic and demographic market segments in the disadvantaged community and distribute culturally relevant, in-language information.
- Participate in yearly events to create awareness.

An outreach plan was developed to create awareness, enhance perception and encourage ridership on those new buses in the disadvantaged communities. OCTA's strategy included to:

- Develop an overall educational campaign highlighting OCTA's various green transit initiatives.
- Promote OC Bus green initiative through targeted campaign.
- Identify geographic and demographic market segments in the disadvantaged community and distribute culturally relevant, in-language information.
- Participate in yearly events to create awareness.

On January 31, 2020, the OCTA joined with local, state and federal officials to mark the debut of the largest transit-operated hydrogen fueling station in the nation and 10 new hydrogen fuel cell electric buses. The event highlighted OCTA's continuing efforts to use zero-emission transportation technology for a balanced and sustainable transit future.



**Contractor:** Regents of the University of California – Luskin Center for Innovation  
**Contract Number:** MS18014  
**Contract Amount:** \$254,795  
**Title:** Planning for EV Charging Infrastructure Investments

**Discussion:** The South Coast Air Quality Management District (SCAQMD) 2016 Air Quality Management Plan places a strong emphasis on accelerating the transition to zero and near-zero emission vehicles as a means to reduce emissions. In support of this goal, the Mobile Source Air Pollution Reduction Review Committee (MSRC) is planning for the installation of electric vehicle service/charging equipment (EVSE) at two types of locations: multi-unit dwellings (MUDs), such as apartments and condominiums, and workplaces.

These two types of locations have higher than usual hurdles for installing EVSE. Property owners and managers of MUDs and workplaces may not see the value of investing in electric vehicle (EV) charging because they do not necessarily drive plug-in electric vehicles (PEVs) themselves, nor is providing a PEV charging a core component of their business activities.

However, some degree of participation from property owners and managers is necessary for EVSE installations to move forward. To compound the problem, PEV owners have little motivation to invest in equipment in such locations because it involves capital costs that they may not be able to recuperate. In order to overcome these motivational hurdles, financial incentives and technical assistance services are needed. Ensuring that these incentives and services actually reach likely PEV drivers is another challenge and requires robust and targeted outreach efforts.

This report seeks to support outreach efforts to property managers of MUDs and workplaces in the South Coast Air Basin where there is the greatest latent demand for charging. To that end, the report describes the development and use of two spatially resolved models, one of which ranks MUD properties according to the propensity of building occupants to purchase a PEV (assuming no barriers to charging), and the other of which ranks travel zones according to the additional electric miles that could be supported when plug-in hybrid vehicle (PHEV) drivers have access to workplace charging. The South Coast Air Basin, shown in Figure 1, is the largest region to which Luskin have applied these models.

To identify opportunities where investments in EV charging infrastructure are most likely to address latent demand for charging, Luskin analyzed opportunities at MUDs and workplaces, where PEV drivers often do not have a strong motivation nor ability to personally invest. The methods for identifying these opportunities relied upon a combination of exploratory mapping and probabilistic modeling techniques, which are summarized here, and described in more detail in the full report.

The MUD analysis consisted of three primary research activities. First, Luskin used ArcGIS and tax assessor's property characteristics data to characterize the MUD portfolio of the South Coast Air Basin according to key variables that influence EV demand amongst MUD residents. Second, Luskin estimated latent PEV demand for MUD residents by constructing a propensity-to-purchase score for each MUD parcel in the South Coast Air Basin. Third, Luskin isolated results from the previous two activities for disadvantaged communities (DAC) boundaries, as identified by CalEnviroScreen 3.0.

The workplace analysis also consisted of three primary research activities. First, Luskin developed a model that uses a spatial inventory of locations where light-duty PEVs reside and modeled regional travel patterns to simulate PEV commutes. Second, based on these modeled trips and the electric range of historical PEV purchases, Luskin estimated how many additional electric miles could be supported if those vehicles charged at work before returning home. Third, Luskin identified the gaps in the existing workplace charging network by looking at location data for large employment centers and the existing network of charging stations.

Within SCAQMD, there are a total of 2,348,622 MUD housing units, which comprise 44% of the total housing stock in the region.<sup>3</sup> While there is no comprehensive inventory of which of these MUDs are home to EV charging infrastructure, Luskin expect that the presence of charging infrastructure is low. According to survey data from the Clean Vehicle Rebate Project (CVRP), only 9% of PEV drivers who participated in the rebate program between 2012 and 2015, and who live in the four counties within SCAQMD, reside in an apartment building or condominium.<sup>4</sup> The low representation of MUD housing residents in the CVRP rebate pool suggests that there are significant barriers for these individuals to PEV adoption. The initial cost of PEV ownership is certainly a contributing factor, but with the emergence of a used PEV market, Luskin expect lack of charging access to become an increasingly important deterrent.

There are a number of conditions that make investing in PEV charging infrastructure a more cost-effective proposition at some MUD locations compared to others. Newer MUDs are likely to have increased electrical capacity onsite, avoiding the need for potentially costly panel upgrades or service upgrades from the utility. The vast majority (79%) of MUD housing stock in the South Coast Air Basin, however, falls on the older side of the spectrum (older than 1970), and is likely not PEV ready in its current form.

Where costly panel and utility services are unavoidable, they are likely to be cheaper on a per-unit basis in larger MUDs with multiple charging installations. Thus, targeting large MUDs for technical and financial assistance programs will help maximize the amount of charging installations that can be supported by limited public dollars. Prioritizing large MUDs also helps narrow outreach efforts, as nearly 57% of all MUDs in the South Coast Air Basin are duplexes or triplexes. At these properties, MUD owners are often able to charge using available 110/220 volt outlets with portable Level 1 EVSE, so barriers to charging are less likely to be the cause of low-PEV penetration.

Investing in charging infrastructure at MUDs that are predominantly occupied by renters (i.e., apartment buildings) is also more likely to alleviate PEV adoption barriers than investments in MUDs that are occupied by owners (i.e., condominium complexes). For renters, the investment motivation is weak or nonexistent because they are unlikely to invest a significant sum of money in immobile equipment that they would leave behind upon moving. Alternatively, condominium owners are likely to view the charging equipment and electrical upgrades as a property improvement positively affecting the potential resale value of their particular unit. While the same upgrades will also enhance the property value of an apartment building, the owners of those buildings may not view charging equipment as a desirable amenity by which to attract tenants. In total, apartment units comprise about 78% of the total MUD housing stock in the South Coast Air Basin.

From a cost-effectiveness perspective, investing in charging infrastructure at MUD properties where occupants exhibit high latent demand for PEV ownership is likely to lead to greater reduction of gasoline-powered vehicle miles traveled (VMT). To assess latent demand, Luskin calculated a propensity-to-purchase score for each MUD parcel in the South Coast Air Basin. The score accounts for the historical adoption rate of PEVs in each census tract, the likelihood that PEVs are to belong to households of different income groups, and the likelihood that those income groups are to live in a home of a certain value. These scores can be overlaid with the property characteristics previously discussed to further target investments where they may be most cost effective. For example, by targeting MUD units within the 90th percentile of propensity-to-purchase scores that are located in buildings with more than 50 units, the universe of MUD units within the South Coast Air Basin is constrained from 331.

To balance cost-effective and equity considerations, targeting MUDs in DACs will help ensure that charging resources are also spent in the neighborhoods that face the greatest air pollution burdens. About 40% of the total MUD units in the South Coast Air Basin are located in DACs. Outreach to MUDs in DACs should be two pronged, targeting both building owners and tenants. Assistance for building owners should be aimed at making their properties PEV ready.

Meanwhile, assistance for renters should be aimed at reducing the cost of purchasing a PEV, which along with the charging challenge, is also likely to be a significant barrier for DAC residents to go electric. To support this effort, the California Air Resources Board (CARB) has launched several initiatives under its Low Carbon Transportation Program aimed at expanding PEV adoption among low- and moderate-income households.<sup>5</sup> Outreach to MUD residents in DACs should focus on making these programs more visible.

Outreach should be tailored to the level of PEV charging demand in the community. The propensity-to-purchase scores and additional eVMT estimates developed for this report can serve as helpful proxies for PEV charging demand. For properties where demand for PEV charging is expected to be high, too little engagement may slow the growth of PEV adoption and may lead to missed opportunities for charging. In contrast, for properties where demand for PEV charging is expected to be low, intensive outreach may not be a cost-effective use of funds if stakeholders do not follow through with installing charging equipment, or the equipment goes unused once installed. Outreach efforts can be conducted along a “ladder of engagement,” starting with more passive efforts that grow into more active projects:

**Step 1: Informational support.** To increase general literacy about PEVs and their charging requirements, local jurisdictions can provide information on vehicle types, potential cost savings from PEV driving, electrical service, and the charging equipment installation process through passive means such as a website, handouts from utilities and local building departments, direct mailings, and e-newsletters.

**Step 2: Workshops.** Local jurisdictions can host workshops for general or targeted audiences such as drivers, homeowner associations, property owners/managers, and renters for residential charging; or for employees, employers, or fleet managers for workplace charging.

**Step 3: Targeted technical assistance.** Planners may want to set up technical assistance programs for potential charging hosts who may be less aware of the physical or procedural aspects of installing charging or who may require more detailed decision support. Actively engaging property owners in the decision-

making process or providing information specific to their needs can facilitate the installation of charging and use of PEVs at their site.

**Step 4: Demonstration projects.** Public agencies and utilities can partner to install charging equipment via demonstration projects at sites that have onsite staff to facilitate peer-to-peer learning opportunities.

Contractor: Los Angeles County MTA  
Contract Number: MS21001  
Contract Amount: \$1,148,742  
Title: Implement Dodger Stadium Express Service

**Discussion:** Dodger Stadium, home to the Los Angeles Dodgers, Major League Baseball (MLB) team, is a sporting event venue located north of Downtown Los Angeles. It is bordered by the communities of Solano Canyon, Echo Park, Chinatown, and Elysian Park. The maximum occupancy of Dodger Stadium is 56,000. The parking lot has 17,300 designated stalls.



During each MLB season the stadium hosts near capacity crowds, with Dodger Stadium holding multiple records for the highest attendance in a season. The Dodger Stadium Express (DSE) service supports approximately 82 scheduled home games and up to 10 post-season playoff games. Dodgers fans ride the system at no charge as the prime means of transportation to the stadium.

DSE service is used to mitigate the total gridlock situation encountered by attendees traveling to the stadium via Sunset Blvd., as it is the main collector street that connects Vin Scully Ave. to the Dodger Stadium main entrance. Average weekday PM peak hour Level of Service (LOS) on Sunset Blvd. is level D (Volume-to-Capacity Ratio (V/C) = 0.879).

Los Angeles Department of Transportation (LADOT) has surveyed Sunset Blvd. on a game day and the LOS is level F (V/C = 1.56).

The 2019 season opened on March 29, 2019. A total of one (1) pre-season game, eighty-two (82) home games, an additional three (3) postseason games, and one (1) concert were serviced during this contract period. The Dodgers were successful in attaining playoff status and entered the 2019 postseason. Since the DSE service was implemented, the Dodgers have successfully advanced to the post-season the last eight seasons.

The DSE service also provided support for an additional event. The DSE operated during the final concert of Paul McCartney's Freshen Up Tour, held at Dodger Stadium on July 13, 2019. A record number of riders (307,124) used the DSE service as transportation during this event.

The DSE route begins at the southwest area of Union Station. Buses depart from a loading area which is signed specifically for the service. Signage is also posted throughout Union Station, including the main lobby at the Alameda St., the entrance to the Metro Gold Line interface at Tracks 1 & 2, along the Metro Red Line platform, various parking levels, and on wayfinding kiosks.

After departing Union Station, the route proceeds west on Cesar Chavez Ave., stopping to pick up patrons on Cesar Chavez Ave under the Hills St. overpass, proceeding west on Sunset Blvd, and finally the route

turns north on Vin Scully Ave. For faster entry into the stadium, the bus route utilizes the guard shack lane for express lane entry.

To ease the flow of traffic, LADOT engineers install cones demarking the bus

lane and separating travel from the regular flow of traffic. Only buses are permitted to travel in the westbound direction between four 4:00 p.m. and 7:00 p.m. The parking enforcement personnel post signage extending parking restrictions to 8:00 p.m. allowing for extended lane access. LADOT also uses traffic enforcement officers for ticketing and towing vehicles that violate the posted parking restrictions. Once the inbound movement has been completed, at approximately 8:00 p.m., the coning is removed. Typically, afternoon and evening games only require parking restrictions on the westbound side. LADOT adjusts parking restriction times that affect both the westbound and eastbound directions for game days with early start times. The program includes law enforcement officers assisting in “clearing” the lanes throughout the inbound process.

Once inside Dodger Stadium, the route proceeds to the left. The route utilizes a one-way inner ring roadway and proceeds to a specific alighting and boarding area at Lot G. The bus continues a one-way inner ring roadway to Lot P, located at the upper deck level. The second stop was implemented in 2014 to provide quick and easy access for upper deck/reserve deck fans to alight and board. Bus staging is also provided during the game and allows for quick re-boarding for trips departing back to Union Station. The return route during the game follows the same alignment as the trips to Dodger Stadium.

The service from both locations travel out Gate A (main gate on Vin Scully Drive) and along Cesar Chavez, stopping at Main St. and again at Alameda St. The Alameda St. stop was implemented in 2017 as a request from passengers wishing to exit sooner than arriving at the Union Station final stop.

Prior to each homestand, Dodger management provided Metro staff with the anticipated attendance level based on current ticket sales and projections. The number of buses used for the service varied based on an estimated attendance number. A minimum of seven (7) buses were deployed for each game.

Beginning 90-120 minutes prior to the game start, buses operate on a “load-and-go” basis or approximately every 10 minutes until the end of the second inning. Throughout the game, buses may travel between the stadium and stop approximately every 30 minutes from the third inning through the end of the seventh inning, at which time the frequency increases to 15-20 minutes. Buses are staged at the stadium to facilitate post game movement. Once the game is over, service is provided on a “load-and-go” basis. Buses leaving the Lot G loading area exit through the “110 Freeway Gate,” expediting their exit from the stadium thereby reducing their overall travel time. Buses travel to Union Station and return to Dodger Stadium for additional trips. The service continues operating up to 45 minutes after the game has ended. Oftentimes, the Dodgers will host special events at the Stadium (i.e. movie night, children running the bases, fireworks, etc.). The DSE service continues to operate up to 20 minutes post special event or 45 minutes after the game has ended, whichever is later.

Since 2010, the Dodgers organization and Metro have worked diligently to provide alternative public transit. The efforts have focused on providing choices to the public to travel to Dodger Stadium for Major League Baseball games and special events. Walking and bicycle paths have been incorporated through major traffic points as alternatives to driving in congested peak traffic times. Both organizations are



committed to working cooperatively to develop sustainable operating plans for future events at Dodger Stadium.

The increase in the public's usage of rideshare companies (Uber, Lyft, etc.) has resulted in an increased influx of cars at Dodger Stadium's Sunset Gate. Due to the nature of their business, they do not purchase parking and therefore must enter using the same lane as the DSE. This creates a "bottleneck" for both inbound and outbound service and increases trip times for DSE passengers. Dodger Transportation Management and staff have made several adjustments to their system to accommodate rideshare. Some of the adjustments include relocating rideshare to a parking lot prior to the main entrance, reroute rideshare vehicle exit to avoid U-turns and delays caused by outbound traffic during inbound movement, etc.

Outbound service is affected by the rapid saturation of surface streets surrounding the stadium at the end of events. This oversaturation impedes the buses to exit the stadium and return to complete additional trips expeditiously. This pattern creates a momentary lapse in service after highly attended events that last approximately 15 minutes.

Twelve (12) 2008 NABI 45-foot low-floor buses were used for the event service. Each bus seats 46 passengers and accommodates an additional 21 standees (145% capacity). In addition, these buses are ADA compliant and can accommodate two (2) wheelchairs. The NABI bus is powered by a Compressed Natural Gas (CNG) Cummins L9N 320 8.9L engine.

Another factor in reducing emissions is the fact that the starting point for the service is Los Angeles Union Station. This location serves as the hub for thirty-one (31) bus lines and five (5) rail lines including: Metro, Foothill Transit, OCTA, Santa Clarita Transit, LADOT, Big Blue Bus, LAX Fly Away, and Torrance Transit. This area includes the Patsaouras Transit Plaza (15 lines), intersection of Cesar E. Chavez and Vignes St. (9 lines), El Monte Busway and Alameda St. (5 lines) and Alameda and Main Streets (2 lines). Union Station also is served by Metrolink, Amtrak, and Metro Rail Red, Purple and Gold Lines.

During the 2019 baseball season, the DSE bus service carried approximately 307,124 passengers. In addition, this service effectively reduced approximately 153,562 car trips and 2,917,678 million miles traveled. Most passengers that rode the DSE used public transportation to connect to this service at Union Station. Some fans came from as far as Santa Barbara, San Diego, San Francisco, and the Central California region, including Modesto, Stockton, San Luis Obispo, and Sacramento.

Metro staff has recognized that baseball fans are using transit more than ever to access the games. In 2010, the service's first year, 122,273 passengers rode the DSE to Dodger Stadium. By 2019, the passenger count increased to 307,124. This is a 250% increase over the service's first year.

AGENDA ITEM #2

MSRC Contracts Administrator's Report

MSRC-TAC Agenda Item No. 2

**DATE:** May 14, 2020

**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 February 27 to April 29, 2020.

**RECOMMENDATION:** Receive and file report

**WORK PROGRAM IMPACT:** None

**Contract Execution Status**

**2016-18 Work Program**

On July 8, 2016, the SCAQMD Governing Board approved an award under the Event Center Transportation Program. This contract is executed.

On October 7, 2016, the SCAQMD Governing Board approved three awards under the Event Center Transportation Program and one award for a Regional Active Transportation Partnership Program. These contracts are executed.

On January 6, 2017, the SCAQMD Governing Board approved an award for development, hosting and maintenance of a new MSRC website. This contract is executed.

On April 7, 2017, the SCAQMD Governing Board approved an award under the Event Center Transportation Program. This contract is executed.

On June 2, 2017, the SCAQMD Governing Board approved an award under the Event Center Transportation Program. This contract is executed.

On July 7, 2017, the SCAQMD Governing Board approved an award under the Event Center Transportation Program. This contract is executed.

On September 1, 2017, the SCAQMD Governing Board approved one award under the Event Center Transportation Program and one award under the Natural Gas Infrastructure Program. These contracts are executed.

On October 6, 2017, the SCAQMD Governing Board approved two awards under the Event Center Transportation Program and one award under the Natural Gas Infrastructure Program. These contracts are executed.

On December 1, 2017, the SCAQMD Governing Board approved sole source awards for a Hydrogen Infrastructure Partnership Program, for a Southern California Future Communities Partnership Program, and for electric vehicle charging infrastructure planning analysis. These contracts are executed. The MSRC has replaced the award to the California Energy Commission with a Program Opportunity Notice for the Hydrogen Infrastructure Partnership Program.

On February 2, 2018, the SCAQMD Governing Board approved one award under the Event Center Transportation Program, two awards under the Natural Gas Infrastructure Program, four awards under the Local Government Partnership Program, and two awards under the County Transportation Commission Partnership Program. These contracts are executed.

On March 2, 2018, the SCAQMD Governing Board approved one award under the Major Event Center Transportation Program, two awards under the Natural Gas Infrastructure Program, and one award under the Local Government Partnership Program. These contracts are executed.

On April 6, 2018, the SCAQMD Governing Board approved one award under the Natural Gas Infrastructure Program and eight awards under the Local Government Partnership Program. These contracts are executed.

On May 4, 2018, the SCAQMD Governing Board approved twenty-seven awards under the Local Government Partnership Program and one award under the County Transportation Commission Partnership Program. These contracts are executed.

On June 1, 2018, the SCAQMD Governing Board approved six awards under the Local Government Partnership Program, one award under the Natural Gas Infrastructure Program, and one award under the County Transportation Commission Partnership Program. These contracts are executed.

On July 6, 2018, the SCAQMD Governing Board approved nine awards under the Local Government Partnership Program. These contracts are executed.

On September 7, 2018, the SCAQMD Governing Board approved nineteen awards under the Local Government Partnership Program, three awards under the County Transportation Commission Partnership Program, one award under the Major Event Center Transportation Program, and twenty awards under the Natural Gas Infrastructure Program. These contracts are with the prospective contractor for signature or executed.

On October 5, 2018, the SCAQMD Governing Board approved forty-eight awards under the Local Government Partnership Program and one award under the Hydrogen Infrastructure Program. These contracts are with the prospective contractor for signature or executed.

On November 2, 2018, the SCAQMD Governing Board approved two awards under the Local Government Partnership Program. These contracts are executed.

### **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 5, 2019, the SCAQMD Governing Board approved an award under the Major Event Center Transportation Program. This contract is with the prospective contractor for signature.

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

### **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 12 are in “Open/Complete” status. 3 contracts closed during this period: City of Newport Beach, Contract #MS11045 – Purchase One Natural Gas Heavy-Duty Vehicle; USA Waste of California, Contract #MS11008 – Expansion of Existing L/CNG Station in Corona; USA Waste of California, Contract #MS11009 – Expansion of Existing L/CNG Station in Baldwin Park.

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

No invoices were paid during this period.

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

6 contracts from this work program year are open, and 14 are in “Open/Complete” status. Three contracts closed during this period: City of Los Angeles, Department of General Services, Contract #ML12020 – Purchase 15 Heavy-Duty Natural Gas Vehicles; Sysco Food Services of Los Angeles, Contract #MS12009 – Install New Public Access LNG Station; and Custom Alloy Light Metals, Install New Limited Access CNG Station.

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

No invoices were paid during this period.

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

17 contracts from this work program year are open, and 32 are in “Open/Complete” status. One contract passed into “Open/Complete” status during this period: Rialto Unified School District, Contract #MS14076 – Install New Public Access CNG Station.

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

No invoices were paid during this period.

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

43 contracts from this work program year are open, and 30 are in “Open/Complete” status. Two contracts closed during this period: City of Murrieta, Contract #ML16061 – Install EV Charging Infrastructure; and City of Yucaipa, Contract #ML16069 – Purchase Electric Lawnmower.

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

One invoice in the amount of \$371,898.00 was paid during this period.

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

128 contracts from this work program year are open, and 21 are in “Open/Complete” status. 4 contracts passed into “Open/Complete” status during this period: City of Westminster, Contract #ML18037 – Install EV Charging Infrastructure, Procure up to Three Light-Duty ZEVs & One Medium- or Heavy-Duty ZEV; City of Downey, Contract #ML18049 – Install EV Charging Infrastructure; City of Irwindale, Contract #ML18160 – Procure Two Light-Duty ZEVs; and City of Hermosa Beach, Contract #MS18012 – Install New Limited Access CNG Station.

12 invoices totaling \$1,047,310.48 were paid during this period.

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

2 contracts from this work program year are open.

One invoice in the amount of \$3,787.30 was paid during this period.

#### ***Administrative Scope Changes***

7 administrative scope changes were initiated during the period of February 27 to April 29, 2020:

- Universal Waste Systems, Inc., Contract #MS18122 (Install Limited Access CNG Station w/RNG) – One-year term extension
- City of Azusa, Contract #ML16032 (Implement “Complete Streets” Project) – Three-month term extension
- Riverside County Transportation Commission, Contract #MS14059 (Signal Synchronization Partnership Program) – Three-month term extension
- City of Glendora, Contract #ML18089 (Procure One Medium-Duty Zero Emission Vehicle) – One-year term extension
- City of Claremont, Contract #ML16053 (Implement “Complete Streets” Project) – Three-month term extension
- City of Santa Ana, Contract #ML12014 (Procure Nine CNG and LNG Heavy-Duty Vehicles, Expand CNG Station and Install EV Charging Stations) – Substitute four CNG for LNG vehicles, eliminate tasks and funding associated with CNG station expansion, and one-year term extension
- City of Big Bear Lake, Contract #ML18088 (Install Bicycle Path) – 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

February 27, 2020 to April 29, 2020

Contract Admin.	MSRC Chair	MSRC Liaison	Finance	Contract #	Contractor	Invoice #	Amount
<i>2014-2016 Work Program</i>							
3/24/2020				ML16058	Los Angeles County Department of Public Work	\A20000027	\$371,898.00
<b>Total: \$371,898.00</b>							
<i>2016-2018 Work Program</i>							
4/29/2020	4/29/2020	5/1/2020		ML18028	City of Artesia	1-Final	\$50,000.00
4/28/2020	4/29/2020	5/1/2020		ML18156	City of Covina	2	\$22,713.00
4/7/2020	4/7/2020	4/7/2020	4/8/2020	MS18003	Geographics	20-22001	\$373.00
3/20/2020	3/20/2020	3/24/2020	3/31/2020	MS18106	R.F. Dickson Co., Inc.	1	\$225,000.00
3/20/2020	3/20/2020	3/20/2020	3/20/2020	MS18103	Orange County Transportation Authority	A141275-Fin	\$40,124.00
3/20/2020	3/20/2020	3/20/2020	3/20/2020	ML18072	City of Anaheim	61694	\$90,000.00
3/19/2020	3/20/2020	3/20/2020	3/20/2020	MS18003	Geographics	20-21987	\$167.36
3/11/2020	3/20/2020	3/20/2020	3/20/2020	ML18138	City of La Canada Flintridge	200304	\$18,808.29
3/6/2020	3/20/2020	3/20/2020	3/20/2020	MS18103	Orange County Transportation Authority	3-26	\$573,179.83
3/4/2020	3/20/2020	3/20/2020	3/20/2020	MS18003	Geographics	20-21972	\$373.00
2/28/2020	3/20/2020	3/20/2020	3/20/2020	ML18156	City of Covina	1	\$20,000.00
4/28/2020	4/29/2020	5/1/2020		ML18019	City of Hidden Hills	3-FINAL	\$6,572.00
<b>Total: \$1,047,310.48</b>							
<i>2018-2021 Work Program</i>							
3/18/2020	3/20/2020	3/20/2020	3/20/2020	MS21002	Better World Group Advisors	\WG-MSRC0	\$3,787.30
<b>Total: \$3,787.30</b>							

**Total This Period: \$1,422,995.78**



## FYs 2007-08 Through 2018-21 AB2766 Contract Status Report

5/1/2020

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
<b><i>FY 2007-2008 Contracts</i></b>									
<b><i>Declined/Cancelled Contracts</i></b>									
ML08032	City of Irvine	5/1/2009	8/31/2010		\$9,000.00	\$0.00	36 Vehicles (Diagnostic)	\$9,000.00	No
ML08041	City of Los Angeles, Dept of Transpo	8/6/2010	7/5/2011	12/5/2011	\$8,800.00	\$0.00	73 Vehicles (Diagnostic)	\$8,800.00	No
ML08049	City of Cerritos	3/20/2009	1/19/2015	2/19/2017	\$25,000.00	\$0.00	1 CNG Heavy-Duty Vehicle	\$25,000.00	No
ML08051	City of Colton				\$75,000.00	\$0.00	3 CNG Heavy-Duty Vehicles	\$75,000.00	No
ML08080	City of Irvine	5/1/2009	5/31/2015		\$50,000.00	\$0.00	Two Heavy-Duty Nat. Gas Vehicles	\$50,000.00	No
MS08002	Orange County Transportation Autho				\$1,500,000.00	\$0.00	Big Rig Freeway Service Patrol	\$1,500,000.00	No
MS08008	Diversified Truck Rental & Leasing				\$300,000.00	\$0.00	10 H.D. Nat. Gas Vehicles	\$300,000.00	No
MS08010	Orange County Transportation Autho				\$10,000.00	\$0.00	20 H.D. Nat. Gas Vehicles	\$10,000.00	No
MS08011	Green Fleet Systems, LLC				\$10,000.00	\$0.00	30 H.D. Nat. Gas Vehicles	\$10,000.00	No
MS08052	Burrtec Waste Industries, Inc.	12/24/2008	11/23/2014	11/23/2015	\$100,000.00	\$0.00	New CNG Station - Fontana	\$100,000.00	No
MS08054	Clean Energy Fuels Corp.				\$400,000.00	\$0.00	New LNG Station - Fontana	\$400,000.00	No
MS08055	Clean Energy Fuels Corp.	11/26/2009	3/25/2016	3/25/2017	\$400,000.00	\$0.00	New LNG Station - Long Beach-Pier S	\$400,000.00	No
MS08059	Burrtec Waste Industries, Inc.	12/24/2008	11/23/2014		\$100,000.00	\$0.00	New CNG Station - San Bernardino	\$100,000.00	No
MS08060	Burrtec Waste Industries, Inc.	12/24/2008	11/23/2014		\$100,000.00	\$0.00	New CNG Station - Azusa	\$100,000.00	No
MS08062	Go Natural Gas	9/25/2009	1/24/2016	1/24/2017	\$400,000.00	\$0.00	New CNG Station - Rialto	\$400,000.00	No
MS08074	Fontana Unified School District	11/14/2008	12/13/2014		\$200,000.00	\$0.00	Expansion of Existing CNG station	\$200,000.00	No
MS08077	Hythane Company, LLC				\$144,000.00	\$0.00	Upgrade Station to Hythane	\$144,000.00	No
<b>Total: 17</b>									
<b><i>Closed Contracts</i></b>									
ML08023	City of Villa Park	11/7/2008	10/6/2012		\$6,500.00	\$5,102.50	Upgrade of Existing Refueling Facility	\$1,397.50	Yes
ML08024	City of Anaheim	7/9/2010	7/8/2017	1/8/2018	\$425,000.00	\$425,000.00	9 LPG Buses and 8 CNG Buses	\$0.00	Yes
ML08026	Los Angeles County Department of P	7/20/2009	7/19/2016		\$250,000.00	\$250,000.00	10 LPG Heavy-Duty Vehicles	\$0.00	Yes
ML08027	Los Angeles County Department of P	7/20/2009	1/19/2011	1/19/2012	\$6,901.00	\$5,124.00	34 Vehicles (Diagnostic)	\$1,777.00	Yes
ML08028	City of Santa Monica	9/11/2009	9/10/2016	5/10/2019	\$600,000.00	\$200,000.00	24 CNG Heavy-Duty Vehicles	\$400,000.00	Yes
ML08029	City of Gardena	3/19/2009	1/18/2015		\$25,000.00	\$25,000.00	1 Propane Heavy-Duty Vehicle	\$0.00	Yes
ML08030	City of Azusa	5/14/2010	3/13/2016		\$25,000.00	\$25,000.00	1 CNG Heavy-Duty Vehicle	\$0.00	No
ML08031	City of Claremont	3/27/2009	3/26/2013	3/26/2015	\$97,500.00	\$97,500.00	Upgrade of Existing CNG Station, Purchase	\$0.00	Yes
ML08033	County of San Bernardino Public Wo	4/3/2009	2/2/2010		\$14,875.00	\$14,875.00	70 Vehicles (Diagnostic)	\$0.00	Yes
ML08034	County of San Bernardino Public Wo	3/27/2009	7/26/2015		\$150,000.00	\$150,000.00	8 CNG Heavy-Duty Vehicles	\$0.00	Yes
ML08035	City of La Verne	3/6/2009	11/5/2009		\$11,925.00	\$11,925.00	53 Vehicles (Diagnostic)	\$0.00	Yes
ML08036	City of South Pasadena	5/12/2009	7/11/2013		\$169,421.00	\$169,421.00	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?
ML08037	City of Glendale	5/20/2009	5/19/2015		\$325,000.00	\$325,000.00	13 CNG Heavy-Duty Vehicles	\$0.00	Yes
ML08038	Los Angeles Department of Water an	7/16/2010	7/15/2017		\$1,050,000.00	\$1,050,000.00	42 CNG Heavy-Duty Vehicles	\$0.00	Yes
ML08039	City of Rancho Palos Verdes	6/5/2009	8/4/2015		\$50,000.00	\$50,000.00	2 LPG Transit Buses	\$0.00	Yes
ML08040	City of Riverside	9/11/2009	9/10/2016	3/10/2019	\$455,500.00	\$455,500.00	16 CNG Vehicles, Expand CNG Station & M	\$0.00	Yes
ML08042	City of Ontario, Housing & Municipal	5/1/2009	1/31/2016		\$175,000.00	\$175,000.00	7 CNG Heavy-Duty Vehicles	\$0.00	Yes
ML08044	City of Chino	3/19/2009	3/18/2015		\$25,000.00	\$25,000.00	1 CNG Heavy-Duty Vehicle	\$0.00	Yes
ML08045	City of Santa Clarita	2/20/2009	6/19/2010		\$3,213.00	\$3,150.00	14 Vehicles (Diagnostic)	\$63.00	Yes
ML08046	City of Paramount	2/20/2009	2/19/2015		\$25,000.00	\$25,000.00	1 CNG Heavy-Duty Vehicle	\$0.00	Yes
ML08047	City of Culver City Transportation De	5/12/2009	8/11/2015		\$150,000.00	\$150,000.00	6 CNG Heavy-Duty Vehicles	\$0.00	Yes
ML08048	City of Santa Clarita	2/20/2009	6/19/2015		\$25,000.00	\$25,000.00	1 CNG Heavy-Duty Vehicle	\$0.00	Yes
ML08050	City of Laguna Beach Public Works	8/12/2009	4/11/2016	10/11/2016	\$75,000.00	\$75,000.00	3 LPG Trolleys	\$0.00	Yes
MS08001	Los Angeles County MTA	12/10/2010	6/9/2014		\$1,500,000.00	\$1,499,999.66	Big Rig Freeway Service Patrol	\$0.34	Yes
MS08003	A-Z Bus Sales, Inc.	5/2/2008	12/31/2008	2/28/2009	\$1,480,000.00	\$1,400,000.00	Alternative Fuel School Bus Incentive Progra	\$80,000.00	Yes
MS08004	BusWest	5/2/2008	12/31/2008		\$1,440,000.00	\$1,440,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes
MS08005	Burrtec Waste Industries, Inc.	10/23/2008	11/22/2014	10/22/2015	\$450,000.00	\$450,000.00	15 H.D. Nat. Gas Vehicles - Azusa	\$0.00	Yes
MS08006	Burrtec Waste Industries, Inc.	10/23/2008	11/22/2014	10/22/2015	\$450,000.00	\$450,000.00	15 H.D. Nat. Gas Vehicles - Saugus	\$0.00	Yes
MS08007	United Parcel Service West Region	12/10/2008	10/9/2014	4/9/2019	\$300,000.00	\$270,000.00	10 H.D. Nat. Gas Vehicles	\$30,000.00	Yes
MS08009	Los Angeles World Airports	12/24/2008	12/23/2014		\$870,000.00	\$870,000.00	29 H.D. Nat. Gas Vehicles	\$0.00	Yes
MS08012	California Cartage Company, LLC	12/21/2009	10/20/2015	4/20/2016	\$480,000.00	\$480,000.00	12 H.D. Nat. Gas Yard Tractors	\$0.00	Yes
MS08013	United Parcel Service West Region	12/10/2008	10/9/2014	3/9/2019	\$480,000.00	\$432,000.00	12 H.D. Nat. Gas Yard Tractors	\$48,000.00	No
MS08014	City of San Bernardino	12/5/2008	6/4/2015		\$390,000.00	\$360,000.00	13 H.D. Nat. Gas Vehicles	\$30,000.00	Yes
MS08015	Yosemite Waters	5/12/2009	5/11/2015		\$180,000.00	\$117,813.60	11 H.D. Propane Vehicles	\$62,186.40	Yes
MS08016	TransVironmental Solutions, Inc.	1/23/2009	12/31/2010	9/30/2011	\$227,198.00	\$80,351.34	Rideshare 2 School Program	\$146,846.66	Yes
MS08017	Omnitrans	12/13/2008	12/12/2015	12/12/2016	\$900,000.00	\$900,000.00	30 CNG Buses	\$0.00	Yes
MS08018	Los Angeles County Department of P	8/7/2009	10/6/2016	4/6/2018	\$60,000.00	\$60,000.00	2 CNG Vehicles	\$0.00	Yes
MS08019	Enterprise Rent-A-Car Company of L	2/12/2010	7/11/2016		\$300,000.00	\$300,000.00	10 CNG Vehicles	\$0.00	Yes
MS08020	Ware Disposal Company, Inc.	11/25/2008	2/24/2016		\$900,000.00	\$900,000.00	30 CNG Vehicles	\$0.00	Yes
MS08021	CalMet Services, Inc.	1/9/2009	1/8/2016	7/8/2016	\$900,000.00	\$900,000.00	30 CNG Vehicles	\$0.00	Yes
MS08022	SunLine Transit Agency	12/18/2008	3/17/2015		\$311,625.00	\$311,625.00	15 CNG Buses	\$0.00	Yes
MS08053	City of Los Angeles, Bureau of Sanit	2/18/2009	12/17/2015		\$400,000.00	\$400,000.00	New LNG/CNG Station	\$0.00	Yes
MS08056	Clean Energy Fuels Corp.	11/26/2009	2/25/2015		\$400,000.00	\$400,000.00	New LNG Station - POLB-Anah. & I	\$0.00	Yes
MS08057	Orange County Transportation Autho	5/14/2009	7/13/2015		\$400,000.00	\$400,000.00	New CNG Station - Garden Grove	\$0.00	Yes
MS08058	Clean Energy Fuels Corp.	11/26/2009	3/25/2016	3/25/2017	\$400,000.00	\$400,000.00	New CNG Station - Ontario Airport	\$0.00	Yes
MS08061	Clean Energy Fuels Corp.	12/4/2009	3/3/2015		\$400,000.00	\$400,000.00	New CNG Station - L.A.-La Cienega	\$0.00	Yes
MS08063	Go Natural Gas	9/25/2009	1/24/2016	1/24/2017	\$400,000.00	\$400,000.00	New CNG Station - Moreno Valley	\$0.00	Yes
MS08064	Hemet Unified School District	1/9/2009	3/8/2015		\$75,000.00	\$75,000.00	Expansion of Existing Infrastructure	\$0.00	Yes
MS08065	Pupil Transportation Cooperative	11/20/2008	7/19/2014		\$10,500.00	\$10,500.00	Existing CNG Station Modifications	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS08066	Clean Energy Fuels Corp.	11/26/2009	2/25/2015		\$400,000.00	\$400,000.00	New CNG Station - Palm Spring Airport	\$0.00	Yes
MS08067	Trillium CNG	3/19/2009	6/18/2015	6/18/2016	\$311,600.00	\$254,330.00	New CNG Station	\$57,270.00	Yes
MS08069	Perris Union High School District	6/5/2009	8/4/2015	8/4/2016	\$225,000.00	\$225,000.00	New CNG Station	\$0.00	Yes
MS08070	Clean Energy Fuels Corp.	11/26/2009	2/25/2015		\$400,000.00	\$400,000.00	New CNG Station - Paramount	\$0.00	Yes
MS08071	ABC Unified School District	1/16/2009	1/15/2015		\$63,000.00	\$63,000.00	New CNG Station	\$0.00	Yes
MS08072	Clean Energy Fuels Corp.	12/4/2009	3/3/2015		\$400,000.00	\$354,243.38	New CNG Station - Burbank	\$45,756.62	Yes
MS08073	Clean Energy Fuels Corp.	11/26/2009	2/25/2015		\$400,000.00	\$400,000.00	New CNG Station - Norwalk	\$0.00	Yes
MS08075	Disneyland Resort	12/10/2008	2/1/2015		\$200,000.00	\$200,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS08076	Azusa Unified School District	10/17/2008	11/16/2014	1/31/2017	\$172,500.00	\$172,500.00	New CNG station and maint. Fac. Modificati	\$0.00	Yes
MS08078	SunLine Transit Agency	12/10/2008	6/9/2015	2/9/2016	\$189,000.00	\$189,000.00	CNG Station Upgrade	\$0.00	Yes

**Total: 59**

**Closed/Incomplete Contracts**

ML08025	Los Angeles County Department of P	10/30/2009	3/29/2011		\$75,000.00	\$0.00	150 Vehicles (Diagnostic)	\$75,000.00	No
MS08068	Regents of the University of Californi	11/5/2010	11/4/2017	11/4/2019	\$400,000.00	\$0.00	Hydrogen Station	\$400,000.00	No
MS08079	ABC Unified School District	1/16/2009	12/15/2009	12/15/2010	\$50,000.00	\$0.00	Maintenance Facility Modifications	\$50,000.00	No

**Total: 3**

**Open/Complete Contracts**

ML08043	City of Desert Hot Springs	9/25/2009	3/24/2016	3/24/2021	\$25,000.00	\$25,000.00	1 CNG Heavy-Duty Vehicle	\$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?
<b>FY 2008-2009 Contracts</b>									
<b>Declined/Cancelled Contracts</b>									
ML09017	County of San Bernardino Public Wo	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 Manageme				\$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 S	\$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 Wo	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
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
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 Servi	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
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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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	No

**Total: 30**

**Open/Complete Contracts**

ML09036	City of Long Beach Fleet Services B	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 - Paramou	\$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	Catrac 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 Gov	7/29/2011	7/28/2012		\$250,000.00	\$249,999.96	Regional PM10 Street Sweeping Program	\$0.04	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
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
ML11027	City of Los Angeles, Dept. of Genera	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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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
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
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
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
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
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
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 Showc	\$10,209.00	Yes
MS11062	Load Center	9/7/2012	1/6/2016	12/6/2016	\$175,384.00	\$169,883.00	Retrofit Six Off-Road Vehicles under Showc	\$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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS11080	Southern California Regional Rail Au	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
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
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	No

**Total: 49**

**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 B	8/23/2013	12/22/2016		\$159,012.00	\$0.00	Retrofit Seven H.D. Off-Road Vehicles Unde	\$159,012.00	No

**Total: 5**

**Open/Complete Contracts**

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
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
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
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
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	\$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
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
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
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
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
MS11019	City of Corona	11/29/2012	4/28/2020		\$225,000.00	\$225,000.00	Expansion of Existing CNG Station	\$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: 12**

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		\$384,000.00	\$4,709.00	9 H.D. Nat. Gas & LPG Trucks, EV Charging	\$379,291.00	No
ML12043	City of Hemet	6/24/2013	9/23/2019	11/23/2021	\$30,000.00	\$0.00	One Heavy-Duty Nat. Gas Vehicles	\$30,000.00	No
ML12045	City of Baldwin Park DPW	2/14/2014	12/13/2020	6/13/2025	\$400,000.00	\$0.00	Install New CNG Station	\$400,000.00	No
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	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	6/30/2020	\$100,000.00	\$0.00	EV Charging Infrastructure	\$100,000.00	No

**Total: 6**

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

ML12016	City of Cathedral City	1/4/2013	10/3/2019		\$60,000.00	\$0.00	CNG Vehicle & Electric Vehicle Infrastructur	\$60,000.00	No
ML12038	City of Long Beach Public Works				\$26,000.00	\$0.00	Electric Vehicle Charging Infrastructure	\$26,000.00	No
ML12040	City of Duarte				\$30,000.00	\$0.00	One Heavy-Duty Nat. Gas Vehicle	\$30,000.00	No
ML12044	County of San Bernardino Public Wo				\$250,000.00	\$0.00	Install New CNG Station	\$250,000.00	No
ML12048	City of La Palma	1/4/2013	11/3/2018		\$20,000.00	\$0.00	Two Medium-Duty LPG Vehicles	\$20,000.00	No
ML12052	City of Whittier	3/14/2013	7/13/2019		\$165,000.00	\$0.00	Expansion of Existing CNG Station	\$165,000.00	No
ML12053	City of Mission Viejo				\$60,000.00	\$0.00	EV Charging Infrastructure	\$60,000.00	No
MS12007	WestAir Gases & Equipment				\$100,000.00	\$0.00	Construct New Limited-Acess CNG Station	\$100,000.00	No
MS12027	C.V. Ice Company, Inc.	5/17/2013	11/16/2019		\$75,000.00	\$0.00	Purchase 3 Medium-Heavy Duty Vehicles	\$75,000.00	No
MS12030	Complete Landscape Care, Inc.				\$150,000.00	\$0.00	Purchase 6 Medium-Heavy Duty Vehicles	\$150,000.00	No
MS12067	Leatherwood Construction, Inc.	11/8/2013	3/7/2017		\$122,719.00	\$0.00	Retrofit Six Vehicles w/DECS - Showcase III	\$122,719.00	No
MS12070	Valley Music Travel/CID Entertainme				\$99,000.00	\$0.00	Implement Shuttle Service to Coachella Mus	\$99,000.00	No

**Total: 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
ML12023	County of Los Angeles Internal Servi	8/1/2013	2/28/2015		\$250,000.00	\$192,333.00	EV Charging Infrastructure	\$57,667.00	Yes
ML12037	Coachella Valley Association of Gov	3/14/2013	3/13/2014		\$250,000.00	\$250,000.00	Street Sweeping Operations	\$0.00	Yes
ML12039	City of Redlands	2/8/2013	10/7/2019		\$90,000.00	\$90,000.00	Three Heavy-Duty Nat. Gas Vehicles	\$0.00	Yes
ML12041	City of Anaheim Public Utilities Depa	4/4/2014	11/3/2015	11/3/2017	\$68,977.00	\$38,742.16	EV Charging Infrastructure	\$30,234.84	Yes
ML12042	City of Chino Hills	1/18/2013	3/17/2017		\$87,500.00	\$87,500.00	Expansion of Existing CNG Station	\$0.00	Yes
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 Stadiu	\$88,830.00	Yes
MS12002	Orange County Transportation Autho	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 Autho	7/20/2012	2/28/2013		\$234,669.00	\$167,665.12	Implement Metrolink Service to Angel Stadiu	\$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
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 Distric	4/5/2013	9/4/2019		\$242,786.00	\$242,786.00	Construct New Limited-Access CNG Station	\$0.00	Yes
MS12012	Rim of the World Unified School Dist	12/20/2012	5/19/2014		\$75,000.00	\$75,000.00	Vehicle Maintenance Facility Modifications	\$0.00	Yes
MS12025	Silverado Stages, Inc.	11/2/2012	7/1/2018		\$150,000.00	\$150,000.00	Purchase Six Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12026	U-Haul Company of California	3/14/2013	3/13/2019		\$500,000.00	\$353,048.26	Purchase 23 Medium-Heavy Duty Vehicles	\$146,951.74	Yes
MS12028	Dy-Dee Service of Pasadena, Inc.	12/22/2012	1/21/2019		\$45,000.00	\$40,000.00	Purchase 2 Medium-Duty and 1 Medium-He	\$5,000.00	Yes
MS12029	Community Action Partnership of Or	11/2/2012	11/1/2018		\$25,000.00	\$14,850.00	Purchase 1 Medium-Heavy Duty Vehicle	\$10,150.00	Yes
MS12031	Final Assembly, Inc.	11/2/2012	11/1/2018		\$50,000.00	\$32,446.00	Purchase 2 Medium-Heavy Duty Vehicles	\$17,554.00	Yes
MS12032	Fox Transportation	12/14/2012	12/13/2018		\$500,000.00	\$500,000.00	Purchase 20 Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12035	Disneyland Resort	1/4/2013	7/3/2019		\$25,000.00	\$18,900.00	Purchase 1 Medium-Heavy Duty Vehicle	\$6,100.00	Yes
MS12036	Jim & Doug Carter's Automotive/VS	1/4/2013	11/3/2018		\$50,000.00	\$50,000.00	Purchase 2 Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12058	Krisda Inc	4/24/2013	1/23/2019		\$25,000.00	\$25,000.00	Repower One Heavy-Duty Off-Road Vehicle	\$0.00	Yes
MS12059	Orange County Transportation Autho	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	No
MS12061	Orange County Transportation Autho	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 Autho	7/27/2013	11/30/2013		\$43,933.00	\$14,832.93	Ducks Express Service to Honda Center	\$29,100.07	Yes
MS12068	Southern California Regional Rail Au	3/1/2013	9/30/2013		\$57,363.00	\$47,587.10	Implement Metrolink Service to Autoclub Sp	\$9,775.90	Yes
MS12069	City of Irvine	8/11/2013	2/28/2014		\$45,000.00	\$26,649.41	Implement Special Transit Service to Solar	\$18,350.59	Yes
MS12071	Transit Systems Unlimited, Inc.	5/17/2013	12/16/2018		\$21,250.00	\$21,250.00	Expansion of Existing CNG Station	\$0.00	Yes
MS12072	99 Cents Only Stores	4/5/2013	9/4/2019		\$100,000.00	\$100,000.00	Construct New CNG Station	\$0.00	Yes
MS12073	FirstCNG, LLC	7/27/2013	12/26/2019		\$150,000.00	\$150,000.00	Construct New CNG Station	\$0.00	Yes
MS12074	Arcadia Unified School District	7/5/2013	9/4/2019		\$175,000.00	\$175,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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	No
MS12Hom	Mansfield Gas Equipment Systems				\$296,000.00	\$0.00	Home Refueling Apparatus Incentive Progra	\$296,000.00	No

**Total: 56**

**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
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
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
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
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
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
MS12033	Mike Diamond/Phace Management	12/22/2012	12/21/2018	6/21/2021	\$148,900.00	\$148,900.00	Purchase 20 Medium-Heavy Duty Vehicles	\$0.00	No
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	No
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	No
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: 14**

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		\$244,000.00	\$0.00	EV Charging and 7 H.D. LPG Vehicles	\$244,000.00	No
ML14018	City of Los Angeles Dept of General	3/6/2015	9/5/2021	5/5/2025	\$810,000.00	\$720,000.00	Purchase 27 H.D. Nat. Gas Vehicles	\$90,000.00	No
ML14021	Riverside County Regional Park and	7/24/2014	12/23/2016	9/30/2020	\$250,000.00	\$0.00	Bicycle Trail Improvements	\$250,000.00	No
ML14023	County of Los Angeles Department o	10/2/2015	9/1/2017	9/1/2020	\$230,000.00	\$0.00	Maintenance Fac. Modifications-Westcheste	\$230,000.00	No
ML14024	County of Los Angeles Department o	10/2/2015	9/1/2017	9/1/2020	\$230,000.00	\$0.00	Maintenance Fac. Modifications-Baldwin Par	\$230,000.00	No
ML14027	County of Los Angeles Dept of Publi	10/2/2015	5/1/2023	12/1/2025	\$500,000.00	\$0.00	Construct New CNG Station in Canyon Coun	\$500,000.00	No
ML14030	County of Los Angeles Internal Servi	1/9/2015	3/8/2018	6/8/2020	\$425,000.00	\$25,000.00	Bicycle Racks, Outreach & Education	\$400,000.00	No
ML14069	City of Beaumont	3/3/2017	3/2/2025		\$200,000.00	\$0.00	Construct New CNG Infrastructure	\$200,000.00	No
ML14072	City of Cathedral City	8/13/2014	1/12/2021	7/12/2022	\$66,000.00	\$35,089.03	Install EV Charging, Bike Racks & Education	\$30,910.97	No
ML14096	County of Los Angeles Dept of Pub	5/3/2019	12/2/2019	3/2/2020	\$150,000.00	\$0.00	San Gabriel BikeTrail Underpass Improveme	\$150,000.00	No
ML14097	County of Los Angeles Internal Servi	9/6/2019	9/5/2020		\$104,400.00	\$0.00	Electric Vehicle Charging Infrastructure	\$104,400.00	No
MS14037	Penske Truck Leasing Co., L.P.	4/7/2017	6/6/2020		\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - Carson	\$75,000.00	No
MS14057	Los Angeles County MTA	11/7/2014	10/6/2019	10/6/2023	\$1,250,000.00	\$0.00	Implement Various Signal Synchronization P	\$1,250,000.00	No
MS14059	Riverside County Transportation Co	9/5/2014	3/4/2018	4/4/2020	\$1,250,000.00	\$0.00	Implement Various Signal Synchronization P	\$1,250,000.00	No
MS14072	San Bernardino County Transportatio	3/27/2015	3/26/2018	3/26/2022	\$1,250,000.00	\$887,566.17	Implement Various Signal Synchronization P	\$362,433.83	No
MS14079	Waste Resources, Inc.	9/14/2016	8/13/2022	2/13/2024	\$100,000.00	\$0.00	New Limited Access CNG Station	\$100,000.00	No
MS14083	Hacienda La Puente Unified School	7/10/2015	3/9/2022		\$175,000.00	\$0.00	New Limited Access CNG Station	\$175,000.00	No

**Total: 17**

### 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
MS14035	Penske Truck Leasing Co., L.P.				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - Sun Valle	\$75,000.00	No
MS14036	Penske Truck Leasing Co., L.P.				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - La Mirad	\$75,000.00	No
MS14038	Penske Truck Leasing Co., L.P.				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - Fontana	\$75,000.00	No
MS14043	City of Anaheim				\$175,000.00	\$0.00	Expansion of Existing CNG Station	\$175,000.00	No
MS14078	American Honda Motor Co., Inc.	9/4/2015	8/3/2022		\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No
MS14085	Prologis, L.P.				\$100,000.00	\$0.00	New Limited Access CNG Station	\$100,000.00	No
MS14086	San Gabriel Valley Towing I				\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No
MS14091	Serv-Wel Disposal				\$100,000.00	\$0.00	New Limited-Access CNG Infrastructure	\$100,000.00	No

**Total: 10**

### 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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML14015	Coachella Valley Association of Gov	6/6/2014	9/5/2015		\$250,000.00	\$250,000.00	Street Sweeping Operations	\$0.00	Yes
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
ML14029	City of Irvine	7/11/2014	6/10/2017		\$90,500.00	\$71,056.78	Bicycle Trail Improvements	\$19,443.22	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
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
MS14001	Los Angeles County MTA	3/6/2015	4/30/2015		\$1,216,637.00	\$1,199,512.68	Clean Fuel Transit Service to Dodger Stadiu	\$17,124.32	Yes
MS14002	Orange County Transportation Autho	9/6/2013	4/30/2014		\$576,833.00	\$576,833.00	Clean Fuel Transit Service to Orange Count	\$0.00	Yes
MS14003	Orange County Transportation Autho	8/1/2013	4/30/2014	10/30/2014	\$194,235.00	\$184,523.00	Implement Metrolink Service to Angel Stadiu	\$9,712.00	Yes
MS14004	Orange County Transportation Autho	9/24/2013	4/30/2014		\$36,800.00	\$35,485.23	Implement Express Bus Service to Solar De	\$1,314.77	Yes
MS14005	Transit Systems Unlimited, Inc.	4/11/2014	2/28/2016		\$515,200.00	\$511,520.00	Provide Expanded Shuttle Service to Hollyw	\$3,680.00	Yes
MS14007	Orange County Transportation Autho	6/6/2014	4/30/2015		\$208,520.00	\$189,622.94	Implement Special Metrolink Service to Ang	\$18,897.06	Yes
MS14008	Orange County Transportation Autho	8/13/2014	5/31/2015		\$601,187.00	\$601,187.00	Implement Clean Fuel Bus Service to Orang	\$0.00	Yes
MS14009	A-Z Bus Sales, Inc.	1/17/2014	12/31/2014	3/31/2015	\$388,000.00	\$388,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes
MS14039	Waste Management Collection and	7/10/2015	4/9/2016		\$75,000.00	\$75,000.00	Vehicle Maint. Fac. Modifications - Irvine	\$0.00	Yes
MS14040	Waste Management Collection and	7/10/2015	4/9/2016		\$75,000.00	\$75,000.00	Vehicle Maint. Fac. Modifications - Santa An	\$0.00	Yes
MS14047	Southern California Regional Rail Au	3/7/2014	9/30/2014		\$49,203.00	\$32,067.04	Special Metrolink Service to Autoclub Speed	\$17,135.96	Yes
MS14048	BusWest	3/14/2014	12/31/2014	5/31/2015	\$940,850.00	\$847,850.00	Alternative Fuel School Bus Incentive Progra	\$93,000.00	Yes
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
MS14087	Orange County Transportation Autho	8/14/2015	4/30/2016		\$239,645.00	\$195,377.88	Implement Special Metrolink Service to Ang	\$44,267.12	Yes
MS14088	Southern California Regional Rail Au	5/7/2015	9/30/2015		\$79,660.00	\$66,351.44	Special Metrolink Service to Autoclub Speed	\$13,308.56	Yes
MS14089	Top Shelf Consulting, LLC	1/18/2017	8/4/2016	3/31/2017	\$200,000.00	\$200,000.00	Enhanced Fleet Modernization Program	\$0.00	Yes

**Total: 32**

**Closed/Incomplete Contracts**

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: 5**

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
<b>Open/Complete Contracts</b>									
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
ML14016	City of Anaheim	4/3/2015	9/2/2021		\$380,000.00	\$380,000.00	Purchase 2 H.D. Vehicles, Expansion of Exi	\$0.00	Yes
ML14019	City of Corona Public Works	12/5/2014	6/4/2020	3/6/2023	\$111,518.00	\$111,517.18	EV Charging, Bicycle Racks, Bicycle Locker	\$0.82	Yes
ML14022	County of Los Angeles Department o	10/2/2015	5/1/2022		\$270,000.00	\$270,000.00	Purchase 9 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML14025	County of Los Angeles Dept of Publi	10/2/2015	7/1/2018	7/1/2024	\$300,000.00	\$300,000.00	Construct New CNG Station in Malibu	\$0.00	Yes
ML14026	County of Los Angeles Dept of Publi	10/2/2015	5/1/2023	5/1/2024	\$300,000.00	\$300,000.00	Construct New CNG Station in Castaic	\$0.00	Yes
ML14028	City of Fullerton	9/5/2014	1/4/2022		\$126,950.00	\$126,950.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
ML14031	Riverside County Waste Manageme	6/13/2014	12/12/2020		\$90,000.00	\$90,000.00	Purchase 3 H.D. CNG Vehicles	\$0.00	Yes
ML14032	City of Rancho Cucamonga	1/9/2015	1/8/2022		\$113,990.00	\$104,350.63	Expansion of Existing CNG Infrac., Bicycle L	\$9,639.37	Yes
ML14033	City of Irvine	7/11/2014	2/10/2021	2/10/2022	\$60,000.00	\$60,000.00	Purchase 2 H.D. CNG Vehicles	\$0.00	Yes
ML14034	City of Lake Elsinore	9/5/2014	5/4/2021		\$56,700.00	\$56,700.00	EV Charging Stations	\$0.00	Yes
ML14049	City of Moreno Valley	7/11/2014	3/10/2021		\$105,000.00	\$101,976.09	One HD Nat Gas Vehicle, EV Charging, Bicy	\$3,023.91	Yes
ML14061	City of La Habra	3/11/2016	3/10/2022		\$41,600.00	\$41,270.49	Purchase Two Heavy-Duty Nat. Gas Vehicle	\$329.51	Yes
ML14062	City of San Fernando	3/27/2015	5/26/2021	10/31/2023	\$325,679.00	\$325,679.00	Expand Existing CNG Fueling Station	\$0.00	Yes
ML14064	City of Claremont	7/11/2014	7/10/2020	1/10/2021	\$60,000.00	\$60,000.00	Purchase Two Heavy-Duty Nat. Gas Vehicle	\$0.00	Yes
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
MS14044	TIMCO CNG Fund I, LLC	5/2/2014	11/1/2020		\$150,000.00	\$150,000.00	New Public-Access CNG Station in Santa A	\$0.00	Yes
MS14045	TIMCO CNG Fund I, LLC	6/6/2014	12/5/2020		\$150,000.00	\$150,000.00	New Public-Access CNG Station in Inglewoo	\$0.00	Yes
MS14046	Ontario CNG Station Inc.	5/15/2014	5/14/2020	11/14/2021	\$150,000.00	\$150,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
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
MS14053	Upland Unified School District	1/9/2015	7/8/2021		\$175,000.00	\$175,000.00	Expansion of Existing CNG Infrastructure	\$0.00	No
MS14074	Midway City Sanitary District	1/9/2015	3/8/2021		\$250,000.00	\$250,000.00	Limited-Access CNG Station & Facility Modif	\$0.00	Yes
MS14075	Fullerton Joint Union High School Di	7/22/2016	11/21/2023		\$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
MS14077	County Sanitation Districts of L.A. Co	3/6/2015	5/5/2021		\$175,000.00	\$175,000.00	New Limited Access CNG Station	\$0.00	Yes
MS14080	CR&R Incorporated	6/1/2015	8/31/2021	8/31/2022	\$200,000.00	\$200,000.00	Expansion of Existing CNG Infrastructure/Ma	\$0.00	No
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	No
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
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: 32**

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
<b>FY 2014-2016 Contracts</b>									
<b>Open Contracts</b>									
ML16006	City of Cathedral City	4/27/2016	4/26/2022		\$25,000.00	\$0.00	Purchase 1 H.D. Nat. Gas Vehicle, Bicycle	\$25,000.00	No
ML16007	City of Culver City Transportation De	10/6/2015	4/5/2023		\$246,000.00	\$210,000.00	Purchase 7 H.D. Nat. Gas Vehicles, EV Cha	\$36,000.00	No
ML16008	City of Pomona	9/20/2016	11/19/2022	5/19/2025	\$60,000.00	\$0.00	Purchase 3 Medium-Duty and 1 Heavy-Duty	\$60,000.00	No
ML16010	City of Fullerton	10/7/2016	4/6/2023	4/6/2024	\$78,222.00	\$27,896.71	Expand Existing CNG Station, EV Charging I	\$50,325.29	No
ML16017	City of Long Beach	2/5/2016	8/4/2023	1/4/2026	\$1,445,400.00	\$1,131,400.00	Purchase 50 Medium-Duty, 17 H.D. Nat. Ga	\$314,000.00	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	9/4/2025	\$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 Ex	\$160,000.00	No
ML16032	City of Azusa	9/9/2016	4/8/2019	7/8/2020	\$474,925.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$474,925.00	No
ML16034	City of Riverside	3/11/2016	10/10/2018	7/10/2020	\$500,000.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$500,000.00	No
ML16038	City of Palm Springs	4/1/2016	7/31/2022		\$230,000.00	\$0.00	Install Bicycle Lanes & Purchase 4 Heavy-D	\$230,000.00	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	7/2/2023	\$20,000.00	\$0.00	Install EV Charging Infrastructure	\$20,000.00	No
ML16042	City of San Dimas	4/1/2016	12/31/2019	12/31/2021	\$55,000.00	\$0.00	Install EV Charging Infrastructure	\$55,000.00	No
ML16046	City of El Monte	4/1/2016	5/31/2021	5/31/2023	\$20,160.00	\$0.00	Install EV Charging Infrastructure	\$20,160.00	No
ML16047	City of Fontana	1/6/2017	8/5/2019	8/5/2021	\$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
ML16052	City of Rancho Cucamonga	9/3/2016	11/2/2019	9/30/2020	\$315,576.00	\$0.00	Install Two Class 1 Bikeways	\$315,576.00	No
ML16053	City of Claremont	3/11/2016	7/10/2018	5/10/2020	\$498,750.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$498,750.00	No
ML16057	City of Yucaipa	4/27/2016	1/26/2019	1/26/2021	\$380,000.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$380,000.00	No
ML16058	Los Angeles County Department of P	10/7/2016	4/6/2024		\$491,898.00	\$371,898.00	Purchase 15 H.D. Nat. Gas Vehicles and Ins	\$120,000.00	No
ML16070	City of Beverly Hills	2/21/2017	6/20/2023		\$90,000.00	\$0.00	Purchase 3 H.D. Nat. Gas Vehicles	\$90,000.00	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	2/26/2021	\$354,000.00	\$0.00	Install a Class 1 Bikeway	\$354,000.00	No
ML16077	City of Rialto	5/3/2018	10/2/2021	2/2/2023	\$463,216.00	\$0.00	Pedestrian Access Improvements, Bicycle L	\$463,216.00	No
ML16083	City of El Monte	4/1/2016	4/30/2021	4/30/2023	\$57,210.00	\$0.00	Install EV Charging Infrastructure	\$57,210.00	No
ML16126	City of Palm Springs	7/31/2019	7/30/2020		\$40,000.00	\$0.00	Install Bicycle Racks, and Implement Bicycle	\$40,000.00	No
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	No
MS16086	San Bernardino County Transportatio	9/3/2016	10/2/2021		\$800,625.00	\$401,103.63	Freeway Service Patrols	\$399,521.37	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
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	6/30/2020	\$450,000.00	\$0.00	EV Charging Infrastructure	\$450,000.00	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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS16115	City of Santa Monica	4/14/2017	7/13/2025		\$870,000.00	\$356,250.00	Repower 58 Transit Buses	\$513,750.00	No
MS16117	Omnitrans	4/21/2017	6/20/2023		\$175,000.00	\$166,250.00	Expansion of Existing CNG Infrastructure	\$8,750.00	No
MS16118	Omnitrans	4/21/2017	6/20/2023		\$175,000.00	\$166,250.00	Expansion of Existing CNG Infrastructure	\$8,750.00	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	\$0.00	Repower 63 Existing Buses	\$945,000.00	No
MS16121	Long Beach Transit	11/3/2017	4/2/2024	11/30/2026	\$600,000.00	\$14,250.00	Repower 39 and Purchase 1 New Transit Bu	\$585,750.00	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
MS16124	Riverside County Transportation Co	12/14/2018	12/14/2019	5/14/2020	\$253,239.00	\$203,781.79	Extended Freeway Service Patrols	\$49,457.21	No
MS16125	San Bernardino County Transportatio	9/20/2019	11/19/2020		\$1,000,000.00	\$0.00	Traffic Signal Synchronization Projects	\$1,000,000.00	No

**Total: 43**

#### Declined/Cancelled Contracts

ML16014	City of Dana Point				\$153,818.00	\$0.00	Extend an Existing Class 1 Bikeway	\$153,818.00	No
ML16065	City of Temple City				\$500,000.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$500,000.00	No
ML16067	City of South El Monte				\$73,329.00	\$0.00	Implement an "Open Streets" Event	\$73,329.00	No
ML16074	City of La Verne	7/22/2016	1/21/2023		\$365,000.00	\$0.00	Install CNG Fueling Station	\$365,000.00	No
MS16043	LBA Realty Company LLC				\$100,000.00	\$0.00	Install Limited-Access CNG Station	\$100,000.00	No
MS16080	Riverside County Transportation Co				\$1,200,000.00	\$0.00	Passenger Rail Service for Coachella and St	\$1,200,000.00	No
MS16098	Long Beach Transit				\$198,957.00	\$0.00	Provide Special Bus Service to Stub Hub Ce	\$198,957.00	No
MS16104	City of Perris				\$175,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$175,000.00	No
MS16106	City of Lawndale	3/1/2019	11/30/2025		\$175,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$175,000.00	No
MS16107	Athens Services				\$100,000.00	\$0.00	Construct a Limited-Access CNG Station	\$100,000.00	No
MS16108	VNG 5703 Gage Avenue, LLC				\$150,000.00	\$0.00	Construct Public-Access CNG Station in Bell	\$150,000.00	No
MS16109	Sanitation Districts of Los Angeles C				\$275,000.00	\$0.00	Expansion of an Existing L/CNG Station	\$275,000.00	No
MS16111	VNG 925 Lakeview Avenue, LLC				\$150,000.00	\$0.00	Construct Public Access CNG Station in Pla	\$150,000.00	No

**Total: 13**

#### Closed Contracts

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	No
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	No
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
ML16033	Coachella Valley Association of Gov	4/27/2016	4/26/2018		\$250,000.00	\$250,000.00	Street Sweeping Operations in Coachella Va	\$0.00	Yes
ML16035	City of Wildomar	4/1/2016	11/1/2017		\$500,000.00	\$0.00	Install Bicycle Lanes	\$500,000.00	No
ML16036	City of Brea	3/4/2016	12/3/2018		\$500,000.00	\$500,000.00	Install a Class 1 Bikeway	\$0.00	Yes
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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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
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
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
ML16064	County of Orange, OC Parks	2/21/2017	10/20/2018		\$204,073.00	\$157,632.73	Implement "Open Streets" Events with Vario	\$46,440.27	Yes
ML16066	City of Long Beach Public Works	1/13/2017	9/12/2018		\$75,050.00	\$63,763.62	Implement an "Open Streets" Event	\$11,286.38	Yes
ML16068	Riverside County Dept of Public Heal	12/2/2016	8/1/2018		\$171,648.00	\$171,648.00	Implement "Open Streets" Events with Vario	\$0.00	Yes
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
ML16078	City of Moreno Valley	5/6/2016	11/5/2017	5/5/2018	\$32,800.00	\$31,604.72	Install Bicycle Infrastructure & Implement Bi	\$1,195.28	Yes
ML16079	City of Yucaipa	4/1/2016	3/31/2020		\$5,000.00	\$5,000.00	Purchase Electric Lawnmower	\$0.00	Yes
ML16122	City of Wildomar	6/8/2018	6/7/2019		\$500,000.00	\$500,000.00	Install Bicycle Lanes	\$0.00	Yes
MS16001	Los Angeles County MTA	4/1/2016	4/30/2017		\$1,350,000.00	\$1,332,039.84	Clean Fuel Transit Service to Dodger Stadiu	\$17,960.16	Yes
MS16002	Orange County Transportation Autho	10/6/2015	5/31/2016		\$722,266.00	\$703,860.99	Clean Fuel Transit Service to Orange Count	\$18,405.01	Yes
MS16003	Special Olympics World Games Los	10/9/2015	12/30/2015		\$380,304.00	\$380,304.00	Low-Emission Transportation Service for Sp	\$0.00	Yes
MS16004	Mineral LLC	9/4/2015	7/3/2017	1/3/2018	\$27,690.00	\$9,300.00	Design, Develop, Host and Maintain MSRC	\$18,390.00	Yes
MS16030	Better World Group Advisors	12/19/2015	12/31/2017	12/31/2019	\$271,619.00	\$245,355.43	Programmic Outreach Services to the MSR	\$26,263.57	Yes
MS16084	Transit Systems Unlimited, Inc.	5/6/2016	2/28/2018		\$565,600.00	\$396,930.00	Implement Special Shuttle Service from Uni	\$168,670.00	No
MS16085	Southern California Regional Rail Au	3/11/2016	9/30/2016		\$78,033.00	\$64,285.44	Special MetroLink Service to Autoclub Spee	\$13,747.56	No
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 Au	5/5/2017	9/30/2017		\$80,455.00	\$66,169.43	Provide Metrolink Service to Autoclub Speed	\$14,285.57	Yes

**Total: 35**

#### 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
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
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: 3**

#### Open/Complete Contracts

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
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



Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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	No
ML16055	City of Ontario	5/6/2016	5/5/2022		\$270,000.00	\$270,000.00	Purchase Nine Heavy-Duty Natural-Gas Veh	\$0.00	Yes
ML16056	City of Ontario	3/23/2016	9/22/2020	9/22/2021	\$106,565.00	\$106,565.00	Expansion of an Existing CNG Station	\$0.00	Yes
ML16059	City of Burbank	4/1/2016	2/28/2022		\$180,000.00	\$180,000.00	Purchase 6 H.D. Nat. Gas Vehicles	\$0.00	No
ML16062	City of Colton	6/3/2016	7/2/2020		\$21,003.82	\$21,003.82	Installation of EV Charging Infrastructure	\$0.00	Yes
ML16063	City of Glendora	3/4/2016	4/3/2022		\$30,000.00	\$30,000.00	Purchase One H.D. Nat. Gas Vehicle	\$0.00	Yes
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
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
ML16076	City of San Fernando	2/21/2017	8/20/2021		\$43,993.88	\$43,993.88	Install 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	No
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	No
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	No

**Total: 30**

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
<b>FY 2016-2018 Contracts</b>									
<b>Open Contracts</b>									
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	No
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
ML18022	City of Desert Hot Springs	5/3/2018	1/2/2020	1/2/2021	\$50,000.00	\$0.00	Traffic Signal and Synchronization Project	\$50,000.00	No
ML18028	City of Artesia	6/28/2018	3/27/2025		\$50,000.00	\$50,000.00	Install EVSE	\$0.00	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		\$73,930.00	\$0.00	Install EVSE, Purchase up to 2-LD Vehicles	\$73,930.00	No
ML18032	City of Arcadia	2/1/2019	4/30/2025		\$24,650.00	\$0.00	Purchase 1 Heavy-Duty Near-ZEV	\$24,650.00	No
ML18034	City of Calabasas	6/8/2018	3/7/2022	3/7/2023	\$50,000.00	\$0.00	Install EVSE	\$50,000.00	No
ML18036	City of Indian Wells	8/8/2018	5/7/2023		\$50,000.00	\$0.00	Install EV Charging Station	\$50,000.00	No
ML18038	City of Anaheim	10/5/2018	5/4/2025	5/4/2026	\$221,500.00	\$71,659.27	Purchase 5 Light-Duty ZEVs and Install EVS	\$149,840.73	No
ML18039	City of Redlands	6/28/2018	7/27/2024	1/27/2025	\$87,000.00	\$0.00	Purchase 1 Medium/Heavy-Duty ZEV and In	\$87,000.00	No
ML18041	City of West Hollywood	8/8/2018	12/7/2023		\$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	\$0.00	Purchase 5 Heavy-Duty Near-Zero Emission	\$113,910.00	No
ML18048	City of Lynwood	6/28/2018	10/27/2024		\$93,500.00	\$0.00	Purchase Up to 3 Medium-Duty Zero-Emissi	\$93,500.00	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		\$227,040.00	\$0.00	Purchase 9 Light-Duty ZEVs, 2 Med-Duty Z	\$227,040.00	No
ML18052	City of Garden Grove	8/8/2018	10/7/2022		\$53,593.00	\$0.00	Purchase 4 L.D. ZEVs and Infrastructure	\$53,593.00	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 B	11/29/2018	11/28/2026		\$622,220.00	\$99,290.91	Install EV Charging Stations	\$522,929.09	No
ML18056	City of Chino	3/29/2019	9/28/2023		\$103,868.00	\$0.00	Install EV Charging Infrastructure	\$103,868.00	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 Med. H.D. 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	\$0.00	Purchase 29 Light-Duty Zero Emission Vehi	\$1,367,610.00	No
ML18063	City of Riverside	6/7/2019	1/6/2027		\$383,610.00	\$0.00	Expand Existing CNG Station	\$383,610.00	No
ML18064	City of Eastvale	11/29/2018	4/28/2026		\$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	Instal 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	\$0.00	Purchase 4 Heavy-Duty Near-Zero Emission	\$187,400.00	No
ML18072	City of Anaheim	12/18/2018	11/17/2026		\$239,560.00	\$223,000.00	Purchase 9 Light-Duty ZEVs & 2 Med/Hvy-D	\$16,560.00	No
ML18078	County of Riverside	10/5/2018	10/4/2028		\$425,000.00	\$175,000.00	Purchase 17 Heavy-Duty Vehicles	\$250,000.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18079	City of Pasadena	12/7/2018	11/6/2023		\$183,670.00	\$100,000.00	EV Charging Infrastructure	\$83,670.00	No
ML18080	City of Santa Monica	1/10/2019	12/9/2023		\$121,500.00	\$14,748.62	Install EV Charging Stations	\$106,751.38	No
ML18081	City of Beaumont	10/5/2018	10/4/2022	10/4/2023	\$31,870.00	\$0.00	EV Charging Infrastructure	\$31,870.00	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		\$30,000.00	\$0.00	EV Charging Infrastructure	\$30,000.00	No
ML18085	City of Orange	4/12/2019	10/11/2026		\$50,000.00	\$25,000.00	Purchase Two Heavy-Duty Near-Zero Emiss	\$25,000.00	No
ML18087	City of Murrieta	3/29/2019	3/28/2025		\$143,520.00	\$0.00	Install Four EV Charging Stations	\$143,520.00	No
ML18088	City of Big Bear Lake	11/29/2018	8/28/2020		\$50,000.00	\$0.00	Install Bicycle Trail	\$50,000.00	No
ML18089	City of Glendora	7/19/2019	4/18/2025		\$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	\$0.00	Install Nine EV Charging Stations	\$122,000.00	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
ML18092	City of South Pasadena	2/1/2019	1/31/2025		\$50,000.00	\$0.00	Procure Two Light-Duty ZEVs and Install EV	\$50,000.00	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
ML18095	City of Gardena	11/9/2018	12/8/2024		\$25,000.00	\$0.00	Purchase Heavy-Duty Near-ZEV	\$25,000.00	No
ML18096	City of Highland	12/13/2019	8/12/2024		\$70,210.00	\$0.00	Purchase Light-Duty ZEV and Install Three	\$70,210.00	No
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	No
ML18098	City of Redondo Beach	2/1/2019	3/31/2023	3/31/2024	\$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
ML18101	City of Burbank	2/1/2019	4/30/2024		\$137,310.00	\$0.00	Install Twenty EV Charging Stations	\$137,310.00	No
ML18126	City of Lomita	12/7/2018	1/6/2020		\$26,500.00	\$0.00	Install bicycle racks and lanes	\$26,500.00	No
ML18128	City of Aliso Viejo	8/30/2019	11/29/2023		\$65,460.00	\$0.00	Purchase Two Light-Duty ZEVs and Install S	\$65,460.00	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	\$0.00	Install Twenty-One EVSEs	\$106,480.00	No
ML18131	City of Los Angeles, Police Departm	5/3/2019	12/2/2022		\$19,294.00	\$0.00	Purchase Three Light-Duty ZEVs	\$19,294.00	No
ML18132	City of Montclair	4/5/2019	9/4/2023		\$50,000.00	\$0.00	Install Eight EVSEs	\$50,000.00	No
ML18133	City of Rancho Mirage	12/7/2018	11/6/2020		\$50,000.00	\$0.00	Traffic Signal Synchronization	\$50,000.00	No
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	\$0.00	Purchase Four Light-Duty ZEVs and Install	\$42,500.00	No
ML18137	City of Wildomar	3/1/2019	5/31/2021	12/1/2021	\$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	\$28,308.19	Install Four EVSEs and Install Bicycle Racks	\$21,691.81	No
ML18139	City of Calimesa	8/30/2019	7/29/2020		\$50,000.00	\$0.00	Install Bicycle Lane	\$50,000.00	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
ML18141	City of Rolling Hills Estates	2/14/2020	1/13/2024		\$40,000.00	\$0.00	Purchase One Light-Duty ZEV and Install T	\$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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18143	City of La Habra	10/18/2019	9/17/2025		\$80,700.00	\$0.00	Install Two EV Charging Stations	\$80,700.00	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
ML18153	City of Cathedral City	5/3/2019	4/2/2025		\$52,215.00	\$0.00	Install EV Charging Infrastructure	\$52,215.00	No
ML18154	City of Hemet	11/22/2019	9/1/2023		\$30,000.00	\$0.00	Purchase Two Light-Duty ZEV and EV Char	\$30,000.00	No
ML18155	City of Claremont	7/31/2019	9/30/2023		\$50,000.00	\$0.00	Install EV Charging Infrastructure	\$50,000.00	No
ML18156	City of Covina	2/1/2019	3/31/2023	12/31/2023	\$63,800.00	\$42,713.00	Purchase Four Light-Duty ZEVs and EV Cha	\$21,087.00	No
ML18157	City of Los Angeles Bureau of Street	6/21/2019	5/20/2027		\$85,000.00	\$0.00	Purchase One Medium-Duty ZEV	\$85,000.00	No
ML18159	City of Rialto	12/13/2019	5/12/2024		\$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
ML18162	City of Costa Mesa	1/10/2020	7/9/2026		\$148,210.00	\$0.00	Purchase Four Light-Duty ZEVs and EV Cha	\$148,210.00	No
ML18163	City of San Clemente	3/8/2019	12/7/2024		\$85,000.00	\$0.00	Purchase Three Light-Duty ZEVs and EV Ch	\$85,000.00	No
ML18165	City of Baldwin Park	2/1/2019	1/30/2024		\$49,030.00	\$0.00	Expand CNG Station	\$49,030.00	No
ML18167	City of Beverly Hills	3/29/2019	6/28/2025		\$50,000.00	\$0.00	Purchase Two Heavy-Duty Near-Zero Emiss	\$50,000.00	No
ML18168	City of Maywood	3/29/2019	11/28/2022		\$7,059.00	\$0.00	Purchase EV Charging Infrastructure	\$7,059.00	No
ML18169	City of Alhambra	6/14/2019	8/13/2024		\$111,980.00	\$0.00	Install EV Charging Infrastructure	\$111,980.00	No
ML18170	City of Laguna Niguel	1/10/2020	8/9/2028		\$85,100.00	\$0.00	Purchase Two Light-Duty ZEVs and EV Cha	\$85,100.00	No
ML18171	City of El Monte	3/1/2019	4/30/2025		\$119,757.00	\$0.00	Purchase One Heavy-Duty ZEVs and EV Ch	\$119,757.00	No
ML18172	City of Huntington Park	3/1/2019	2/28/2025		\$65,450.00	\$0.00	Purchase One Heavy-Duty ZEV	\$65,450.00	No
ML18173	City of Manhattan Beach	3/29/2019	2/28/2023		\$49,000.00	\$0.00	Purchase Two Light-Duty ZEVs and EV Cha	\$49,000.00	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
ML18176	City of Coachella	3/1/2019	11/30/2024		\$58,020.00	\$0.00	Install EV Charging Stations	\$58,020.00	No
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		\$25,000.00	\$0.00	Purchase One Heavy-Duty Near-Zero Emiss	\$25,000.00	No
MS18002	Southern California Association of G	6/9/2017	11/30/2018	10/31/2020	\$2,500,000.00	\$593,455.98	Regional Active Transportation Partnership	\$1,906,544.02	No
MS18003	Geographics	2/21/2017	2/20/2021		\$70,453.00	\$58,257.97	Design, Host and Maintain MSRC Website	\$12,195.03	No
MS18006	Anaheim Transportation Network	10/6/2017	2/28/2020		\$219,564.00	\$9,488.22	Implement Anaheim Circulator Service	\$210,075.78	No
MS18009	Penske Truck Leasing Co., L.P.	8/8/2018	12/7/2020		\$82,500.00	\$0.00	Modify Maintenance Facility & Train Technici	\$82,500.00	No
MS18014	Regents of the University of Californi	10/5/2018	12/4/2019	3/4/2020	\$254,795.00	\$215,966.79	Planning for EV Charging Infrastructure Inve	\$38,828.21	No
MS18015	Southern California Association of G	7/13/2018	2/28/2021	8/31/2021	\$2,000,000.00	\$0.00	Southern California Future Communities Par	\$2,000,000.00	No
MS18023	Riverside County Transportation Co	6/28/2018	6/27/2021		\$500,000.00	\$162,414.60	Weekend Freeway Service Patrols	\$337,585.40	No
MS18024	Riverside County Transportation Co	6/28/2018	8/27/2021		\$1,500,000.00	\$493,160.00	Vanpool Incentive Program	\$1,006,840.00	No
MS18026	Omnitrans	10/5/2018	1/4/2020		\$83,000.00	\$0.00	Modify Vehicles Maintenance Facility and Tr	\$83,000.00	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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS18065	San Bernardino County Transportatio	3/29/2019	8/28/2023		\$2,000,000.00	\$1,264,535.92	Implement Metrolink Line Fare Discount Pro	\$735,464.08	No
MS18066	El Dorado National	12/6/2019	2/5/2026		\$100,000.00	\$0.00	Install New Limited-Access CNG Station	\$100,000.00	No
MS18073	Los Angeles County MTA	1/10/2019	2/9/2026		\$2,000,000.00	\$0.00	Purchase 40 Zero-Emission Transit Buses	\$2,000,000.00	No
MS18102	Orange County Transportation Autho	10/4/2019	5/31/2020		\$1,146,000.00	\$0.00	Implement OC Flex Micro-Transit Pilot Proje	\$1,146,000.00	No
MS18103	Orange County Transportation Autho	2/8/2019	9/7/2020		\$642,000.00	\$613,303.83	Install Hydrogen Detection System	\$28,696.17	No
MS18104	Orange County Transportation Autho	2/21/2020	3/31/2021		\$212,000.00	\$0.00	Implement College Pass Transit Fare Subsi	\$212,000.00	No
MS18106	R.F. Dickson Co., Inc.	7/19/2019	1/18/2026		\$265,000.00	\$225,000.00	Expansion of Existing Infrastructure/Mechani	\$40,000.00	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 Distric	2/1/2019	3/31/2025		\$275,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$275,000.00	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
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	\$0.00	Expansion of Existing CNG Infrastructure/Me	\$240,000.00	No
MS18118	City of Beverly Hills	3/29/2019	7/28/2025		\$85,272.00	\$0.00	Expansion of Existing CNG Infrastructure	\$85,272.00	No
MS18120	City of Redondo Beach	2/1/2019	9/30/2025		\$275,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$275,000.00	No
MS18122	Universal Waste Systems, Inc.	2/1/2019	3/31/2025		\$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	\$0.00	Install New Limited-Access CNG Infrastructu	\$275,000.00	No
MS18125	U.S. Venture	5/9/2019	8/8/2025		\$200,000.00	\$180,000.00	Install New Limited-Access CNG Infrastructu	\$20,000.00	No
MS18175	Regents of the University of Californi	6/7/2019	8/6/2025		\$1,000,000.00	\$0.00	Expansion of Existing Hydrogen Station	\$1,000,000.00	No

**Total: 128**

**Pending Execution Contracts**

ML18100	City of Brea				\$56,500.00	\$0.00	Install Thirteen EV Charging Stations	\$56,500.00	No
ML18148	City of San Dimas				\$50,000.00	\$0.00	Implement Bike Share Program	\$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
ML18151	County of San Bernardino Departme				\$200,000.00	\$0.00	Purchase Eight Heavy-Duty Near Zero Emis	\$200,000.00	No
ML18152	County of San Bernardino Flood Con				\$108,990.00	\$0.00	Purchase Five Heavy-Duty Near Zero Emissi	\$108,990.00	No
ML18158	City of Inglewood				\$146,000.00	\$0.00	Purchase 4 Light-Duty Zero Emission, 4 Me	\$146,000.00	No
ML18164	City of Pomona				\$200,140.00	\$0.00	Purchase Three Heavy-Duty ZEVs	\$200,140.00	No
ML18166	City of Placentia				\$25,000.00	\$0.00	Purchase One Heavy-Duty Near-Zero Emis	\$25,000.00	No
MS18121	City of Montebello				\$70,408.00	\$0.00	Expansion of Existing CNG Infrastructure	\$70,408.00	No

**Total: 10**

**Declined/Cancelled Contracts**

ML18075	City of Orange				\$25,000.00	\$0.00	One Heavy-Duty Vehicle	\$25,000.00	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

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS18018	City of Norwalk	6/8/2018	9/7/2019		\$75,000.00	\$0.00	Vehicle Maintenance Facility Modifications	\$75,000.00	No
MS18107	Huntington Beach Union High School				\$225,000.00	\$0.00	Expansion of Existing Infrastructure	\$225,000.00	No
MS18109	City of South Gate				\$175,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$175,000.00	No
MS18111	Newport-Mesa Unified School Distric				\$175,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$175,000.00	No
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

**Total: 9**

#### Closed Contracts

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	No
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
MS18008	Foothill Transit	1/12/2018	3/31/2019		\$100,000.00	\$99,406.61	Special Transit Service to LA County Fair	\$593.39	Yes
MS18010	Southern California Regional Rail Au	12/28/2017	7/31/2019		\$351,186.00	\$275,490.61	Implement Special Metrolink Service to Unio	\$75,695.39	Yes
MS18011	Southern California Regional Rail Au	2/9/2018	6/30/2018		\$239,565.00	\$221,725.12	Special Train Service to Festival of Lights	\$17,839.88	Yes
MS18016	Southern California Regional Rail Au	1/10/2019	3/31/2019		\$87,764.00	\$73,140.89	Special Train Service to Auto Club Speedwa	\$14,623.11	Yes
MS18025	Los Angeles County MTA	11/29/2018	5/31/2019		\$1,324,560.00	\$706,235.69	Special Bus and Train Service to Dodger Sta	\$618,324.31	Yes
MS18105	Southern California Regional Rail Au	1/10/2019	6/30/2019		\$252,696.00	\$186,830.04	Special Train Service to the Festival of Light	\$65,865.96	Yes

**Total: 9**

#### Open/Complete Contracts

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
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
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
ML18049	City of Downey	7/6/2018	5/5/2023		\$148,260.00	\$148,116.32	Install EV Charging Stations	\$143.68	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	No
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
ML18074	City of Buena Park	12/14/2018	6/13/2026		\$107,960.00	\$107,960.00	EV Charging Infrastructure	\$0.00	No
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
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
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

<b>Cont.#</b>	<b>Contractor</b>	<b>Start Date</b>	<b>Original End Date</b>	<b>Amended End Date</b>	<b>Contract Value</b>	<b>Remitted</b>	<b>Project Description</b>	<b>Award Balance</b>	<b>Billing Complete?</b>
ML18160	City of Irwindale	3/29/2019	12/28/2022		\$14,263.00	\$14,263.00	Purchase Two Light-Duty ZEVs	\$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
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

**Total: 21**

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***

MS21001	Los Angeles County MTA	8/30/2019	7/29/2020		\$1,148,742.00	\$0.00	Implement Special Transit Service to Dodge	\$1,148,742.00	No
MS21002	Better World Group Advisors	11/1/2019	12/31/2022		\$250,000.00	\$7,912.30	Programmatic Outreach Services	\$242,087.70	No

**Total: 2**

#### ***Pending Execution Contracts***

MS21003	Orange County Transportation Autho				\$468,298.00	\$0.00	Provide Express Bus Service to the Orange	\$468,298.00	No
MS21004	Los Angeles County MTA				\$2,188,899.00	\$0.00	Clean Fuel Bus Service to Dodger Stadium	\$2,188,899.00	No

**Total: 2**



## 2011-12 Subvention Fund Match Program Progress Reports

Cont#	Contractor	Start Date	Original	Amended	Reporting	Jan '20	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
			End Date	End Date										
<b>Open Contracts</b>														
ML12014	City of Santa Ana	11/08/13	08/07/20		Quarterly			03/18/20						
ML12043	City of Hemet	06/24/13	09/23/19	11/23/21	Quarterly	WL	02/19/20							
ML12045	City of Baldwin Park DPW	02/14/14	12/13/20	06/13/25	Quarterly		02/25/20							
ML12057	City of Coachella	08/28/13	08/27/19	01/27/22	Quarterly	01/22/20			WL					
ML12090	City of Palm Springs	10/09/15	10/08/21	09/08/25	Quarterly									
ML12091	City of Bellflower	10/05/18	10/04/19	06/30/20	Quarterly				WL					
<b>Total 6</b>														

## 2012-14 Subvention Fund Match Program Progress Reports

Cont#	Contractor	Start Date	Original	Amended	Reporting	Jan'20	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
			End Date	End Date										
<b>Open Contracts</b>														
ML14012	City of Santa Ana	06/13/15	10/12/21		Quarterly		WL							
ML14018	City of LA, General Services Dept	03/06/15	09/15/21	05/05/25	Quarterly		2/11/20							
ML14021	Riverside County Regional Park	07/24/14	12/23/16	09/30/20	Quarterly									
ML14023	County of LA Dept of Public Works	10/02/15	09/01/17	09/01/20	Quarterly									
ML14024	County of LA Dept of Public Works	10/02/15	09/01/17	09/01/20	Quarterly									
ML14027	County of LA Dept of Public Works	10/02/15	05/01/23	12/01/25	Quarterly									
ML14030	County of LA Internal Services Dept	01/09/15	03/08/18	06/08/20	Quarterly				4/8/20					
ML14069	City of Beaumont	03/03/17	03/02/25		Quarterly									
ML14072	City of Cathedral City	08/13/14	01/12/21	07/12/22	Quarterly									
ML14096	County of LA Dept of Public Works	05/03/19	12/02/19	03/02/20	Quarterly	1/8/20		FR Rec'd						
ML14097	County of LA Internal Services Dept	09/06/19	09/05/20		Quarterly	WL								

**Total 11**

## 2012-14 AB2766 Contract Progres

Cont#	Contractor	Start Date	Original	Amended	Reporting	Jan '20	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
			End Date	End Date										
<b>Open Contracts</b>														
MS14037	Penske Truck Leasing Co., L.P.	04/07/17	06/06/20		Quarterly			WL						
MS14057	Los Angeles County MTA	11/07/14	10/06/19	10/06/20	Quarterly									
MS14059	Riverside County Transportation Commission	09/05/14	03/04/18	04/04/20	Quarterly	WL								
MS14072	San Bernardino Associated Governments	03/27/15	03/26/18	03/26/22	Quarterly									
MS14079	Waste Resources, Inc.	09/14/16	08/13/22	02/13/24	Quarterly	WL								
MS14083	Hacienda La Puente Unified School District (rbv)	07/10/15	03/09/22		Quarterly	WL	WL							
<b>Total: 6</b>														



MS16120	Omnitrans	04/07/17	05/06/25		Quarterly								
MS16121	Long Beach Transit	11/03/17	04/02/24	11/30/26	Quarterly			04/30/20					
MS16123	Orange County Transportation Authority	12/07/18	11/06/23		Quarterly			04/21/20					
MS16124	Riverside County Transportation Commission	12/14/18	12/14/19	05/14/20	Quarterly								
MS16125	San Bernardino County Transportation Authority	09/20/19	11/19/20		Quarterly	02/10/20			04/21/20				

## 2016-18 AB2766 Contract Progress Reports

Cont#	Contractor	Start Date	Original End Date	Amended End Date	Reporting	Jan '20	Feb	Mar	Apr	May	Jun	Jul	Aug
<b>Open Contracts</b>													
ML18019	City of Hidden Hills	05/03/18	05/02/22	05/02/23	Quarterly				FR Rec'd				
ML18020	City of Colton	05/03/18	04/02/24		Quarterly			04/16/20					
ML18022	City of Desert Hot Springs	05/03/18	01/02/20	01/02/21	Quarterly								
ML18028	City of Artesia	06/28/18	03/27/25		Quarterly				FR Rec'd				
ML18030	City of Grand Terrace	06/28/18	03/27/22		Quarterly								
ML18031	City of Diamond Bar	09/07/18	11/06/25		Quarterly								
ML18032	City of Arcadia	02/01/19	04/30/25		Quarterly	01/28/20		FR Rec'd					
ML18034	City of Calabasas	06/08/18	03/07/22		Quarterly			04/30/20					
ML18036	City of Indian Wells	08/08/18	05/07/23		Quarterly								
ML18038	City of Anaheim	10/05/18	05/04/25	05/04/26	Quarterly	02/05/20							
ML18039	City of Redlands	06/28/18	07/27/24	01/27/25	Quarterly								
ML18041	City of West Hollywood	08/08/18	12/07/23		Quarterly								
ML18043	City of Yorba Linda	09/07/18	12/06/23		Quarterly								
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						
ML18047	City of Whittier	08/08/18	04/07/26		Quarterly		03/19/20						
ML18048	City of Lynwood	06/28/18	10/27/24		Quarterly		WL						
ML18050	City of Irvine	09/07/18	08/06/23		Quarterly								
ML18051	City of Rancho Cucamonga	03/01/19	10/31/25		Quarterly								
ML18052	City of Garden Grove	08/08/18	10/07/22		Quarterly								
ML18053	City of Paramount	09/07/18	03/06/23		Quarterly		02/10/20						
ML18055	City of Long Beach	11/29/18	11/28/26		Quarterly	01/09/20							
ML18056	City of Chino	03/29/19	09/28/23		Quarterly				04/29/20				
ML18057	City of Carson	10/05/18	07/04/23		Quarterly		02/12/20						
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	Outreach							
ML18063	City of Riverside	06/07/19	01/06/27		Quarterly	02/19/20			04/16/20				
ML18064	City of Eastvale	11/29/18	04/28/26		Quarterly		WL						
ML18067	City of Pico Rivera	09/07/18	11/06/22		Quarterly	02/04/20							
ML18068	City of MissionViejo	07/31/19	06/30/27		Quarterly	01/24/20							
ML18069	City of Torrance	03/01/19	07/31/27		Quarterly	02/07/20			04/14/20				

ML18072	City of Anaheim	12/18/18	11/17/26		Quarterly			04/09/20					
ML18078	County of Riverside	10/05/18	10/04/28		Quarterly								
ML18079	City of Pasadena	12/07/18	11/06/23		Quarterly								
ML18080	City of Santa Monica	01/10/19	12/09/23		Quarterly		02/18/20		04/07/20				
ML18081	City of Beaumont	10/05/18	10/04/22	10/04/23	Quarterly		02/13/20						
ML18082	City of Los Angeles	08/30/19	08/29/28		Quarterly			03/26/20					
ML18083	City of San Fernando	11/02/18	11/01/22		Quarterly		WL						
ML18084	City of South El Monte	10/18/19	09/17/23		Quarterly								
ML18085	City of Orange	04/12/19	10/11/26		Quarterly		02/27/20						
ML18087	City of Murrietta	03/29/19	03/28/25		Quarterly								
ML18088	City of Big Bear Lake	11/29/18	08/28/20		Quarterly				04/16/20				
ML18089	City of Glendora	07/18/19	04/18/25		Quarterly	WL							
ML18090	City of Santa Clarita	05/09/19	02/08/23		Quarterly		02/25/20						
ML18091	City of Temecula	01/19/19	07/18/23		Quarterly	WL							
ML18092	City of South Pasadena	02/01/19	01/31/25		Quarterly		Project complete						
ML18093	City of Monterey Park	02/01/19	02/28/26		Quarterly								
ML18094	City of Laguna Woods	07/12/19	12/11/24		Quarterly								
ML18095	City of Gardena	11/09/18	12/08/24		Quarterly		01/28/20	WL					
ML18096	City of Highland	12/13/19	08/12/24		Quarterly								
ML18097	City of Temple City	11/29/18	07/28/22		Quarterly								
ML18098	City of Redondo Beach	02/01/19	05/01/23	03/31/24	Quarterly								
ML18099	City of Laguna Hills	03/01/19	05/31/23		Quarterly		WL						
ML18101	City of Burbank	02/01/19	04/30/24		Quarterly								
ML18126	City of Lomita	12/07/18	01/06/20		Quarterly								
ML18128	City of Aliso Viejo	08/30/19	11/29/23		Quarterly		02/04/20						
ML18129	City of Yucaipa	12/14/18	03/31/23		Quarterly		WL						
ML18130	City of Lake Forrest	03/01/19	09/20/22		Quarterly	WL							
ML18131	City of Los Angeles Police Department	05/03/19	12/02/22		Quarterly	WL							
ML18132	City of Montclair	04/05/19	09/04/23		Quarterly								
ML18133	City of Rancho Mirage	12/07/18	11/06/20		Quarterly								
ML18134	City of Los Angeles	05/03/19	05/02/28		Quarterly		02/26/20						
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		Quarterly		01/09/20		04/01/20				
ML18138	City of La Canada Flintridge	02/08/19	05/07/23		Quarterly		01/31/20		03/04/20				
ML18139	City of Calimesa	08/30/19	07/29/20		Quarterly				03/30/20				
ML18140	City of Bell Gardens	12/14/18	12/13/28		Quarterly								
ML18141	City of Rolling Hills Estates	02/14/20	01/13/24		Quarterly								
ML18142	City of La Quinta	04/24/19	02/23/23	08/23/23	Quarterly		02/20/20						
ML18143	City of La Habra	10/18/19	09/17/25		Quarterly		02/18/20						





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	FR Rec'd							
MS18112	Banning Unified School District	11/29/18	11/28/24	11/28/25	Quarterly		WL	03/31/20					
MS18114	Los Angeles County Dept of Public Works	11/15/19	11/14/26		Quarterly								
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								
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						
MS18120	City of Redondo Beach	02/01/19	10/31/25		Quarterly		WL						
MS18122	Universal Waste Systems Inc.	02/01/19	03/31/25		Quarterly		WL	03/03/20					
MS18124	County Sanitation Districts of LA County	07/31/19	02/28/27		Quarterly	02/21/20							
MS18125	US Gain	05/09/19	08/08/25		Quarterly	Wkg on FR							
MS18175	Regents of the University of California	06/07/19	12/06/26		Quarterly								

**Total: 126**

AGENDA ITEM #3

AB 2766 Discretionary Fund Financial Report

**AB 2766 Discretionary Fund  
Financial Report - April 2020**

Available Funding as of April 30, 2020 (a)		\$ 50,573,602
Less Awards by Work Program: (b)		
FY 2014-16	\$ (361,040)	
FY 2016-18	(1,343,957)	
FY 2018-21	<u>(3,044,902)</u>	
Total Awards by Work Program:		(4,749,898)
Less Balance of FY 2016-18 & FY 2018-21 Work Programs (funding not yet awarded)		<u>(13,766,960)</u>
Sub-total - Surplus/(Deficit)		\$ 32,056,744
Estimated Revenue (d)		<u>21,576,698</u>
Estimated Available for the FY 2018-2021 Work Program (e)		<u>\$ 53,633,441</u>

**Notes:**

- (a) Cash less: open commitments on executed contracts, balance on administrative budget and \$500,000 reserve.
- (b) Information provided by MSRC contracts staff. (Awards = Board approved contracts pending execution)
- (c) FY 2016-18 & FY 2018-21 Work Program Summary:

FY 2016-18 Work Program	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	58,753	58,753	-	-
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	15,336,355	14,441,975	894,380	-
Technical Advisor - Work Program Portion	262,500	262,500	-	-
Hydrogen Infrastructure Projects	3,000,000	1,000,000	-	2,000,000
EV Charging Infrastructure Investments	500,000	50,423	449,577	-
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>	<b>\$ 39,590,456</b>	<b>\$ 36,246,499</b>	<b>\$ 1,343,957</b>	<b>\$ 2,000,000</b>

FY 2018-21 Work Program	Total	Executed Contracts	Awarded	Balance
Major Event Center Transportation Program	\$ 6,587,642	\$ 1,148,742	\$ 2,671,940	2,766,960
MSRC Website Hosting & Maintenance	6,000	6,000	-	-
Natural Gas Infrastructure Program	1,083,180	1,012,772	70,408	-
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			4,000,000
VIP Plus Up Incentive Program	5,000,000			5,000,000
<b>FY 2018-21 Totals</b>	<b>\$ 17,229,376</b>	<b>\$ 2,417,514</b>	<b>\$ 3,044,902</b>	<b>\$ 11,766,960</b>

- (d) Estimated Revenue is the FY2019-20 and FY 2020-21 full year estimates less revenue received. Any change to Health & Safety Code 44243 could affect future revenue. The potential economic impact of COVID-19 could change revenue projections.
- (e) Estimated Available for the FY 2018-21 Work Program does not include the targeted funding level of \$20M for the Inland Ports Zero/Near-Zero Warehouse and Distribution Facilities PON.

AGENDA ITEM #4

Contract Modification Request by  
County of Los Angeles



MSRC-TAC Agenda Item No. 4

**DATE:** May 14, 2020

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

**SUBJECT:** Seven-Month Term Extension by County of Los Angeles, Contract #ML14030

**SYNOPSIS:** The County requests a seven-month contract term extension because the COVID-19 situation has resulted in a freeze on non-essential services, supplies and equipment, which will cause a delay in the final procurement and installation of supplemental lighting at bicycle racks, as part of the FYs 2012-14 Local Government Match Program.

**FINANCIAL IMPACT:** None

**RECOMMENDATIONS:** None

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

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**DISCUSSION:**

**Contractor:** County of Los Angeles

**Project Title:** Bicycle Racks, Outreach and Education

**MSRC Funding:** \$425,000

**Project Term:** January 9, 2015 to June 8, 2020

**Current Request:** 7-month term extension

**Previous Requests:** 2-month term extension; 8-month term extension; 4-month term extension; 15-month term extension

Project Description: The County was awarded \$425,000 under the MSRC’s FYs 2012-14 Local Government Match Program to install at least 575 bicycle racks and signage. The County was also to install supplemental lighting as needed at some locations, as well as developing and implementing a bicycle outreach and education program. More than 500 racks have been installed and \$25,000 has been paid to date on this contract.

Previous Requests: The County indicated that they encountered unanticipated delays in the procurement process to secure the educational services and related promotional items. The

issues were resolved and the County requested a 15-month contract term extension. At their December 17, 2015 meeting, the MSRC considered and approved the County's request. Subsequently, the County indicated that the first bicycle racks they ordered were found to be composed of a grade of stainless steel which was not sufficient to withstand the environment. The specifications were revised for a higher and more appropriate grade, and the order was rebid. The County requested a 4-month contract term extension. At their February 21, 2019 meeting, the MSRC considered and approved the County's request. On August 29, 2019, the County requested an extension until June 30, 2020 due to the need to pour concrete pads at the beach sites. The cost of this work exceeded limits for what could be performed by in-house staff, and it needed to be contracted out. Because the request was received too late to be placed on the September MSRC-TAC and MSRC agendas, and the contract would terminate on October 8, 2019, a three-month term extension was processed administratively in order to allow time for the MSRC to consider the remainder of the request. However, due to an oversight the item was not placed on the October or November MSRC agendas. An additional three-month term extension was processed administratively to allow time for the MSRC to consider the remainder of the request. Then in December 2019 the County submitted a letter indicating that they had now identified that 47 of the bike rack sites require the installation of supplemental lighting. The County requested an extension through June 8, 2020. This request superseded the previous request, which had still been awaiting MSRC consideration. Given the previous administrative extensions, an additional two-month extension would fulfill the County's request. The MSRC considered and approved the request at the January 2020 meeting.

Contract Request: The County indicates that the COVID-19 situation has resulted in a County-wide freeze on the procurement of non-essential services, supplies and equipment, which includes the supplemental lighting needed to complete work on this contract. The County requests a seven-month term extension to enable them to complete the work.



County of Los Angeles  
**INTERNAL SERVICES DEPARTMENT**

1100 North Eastern Avenue  
Los Angeles, California 90063

**SELWYN HOLLINS**  
Acting Director

*"Trusted Partner and Provider of Choice"*

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

April 8, 2020

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

Dear Ms. Ravenstein:

Subject: **EXTENSION FOR AWARD ML 14030**

The County of Los Angeles is requesting an extension through January 08, 2021 for Grant Award Number ML 14030. The County has installed more than 500 bicycle racks. The County has identified 47 different bike rack sites that require supplemental lighting. The most recent delay is due to the pandemic COVID-19. On March 31, 2020 the Los Angeles County Board of Supervisors approved a freeze on non-essential services, supplies and equipment. The County is also following the "Safer at Home" order of the State. This will cause an undetermined delay in the final procurement and installation of the lights. The time extension would be to procure and install the supplemental lighting when it is allowed and safe to do so.

The County is grateful to the MSRC for the match funding for these racks and looks forward to submitting its billing.

If you have any questions, I can be reached at (323) 490-9012.

Very truly yours,

*Ana Rosales*

Ana Rosales  
Energy & Environmental Services  
Planning & Administration Manager

AGENDA ITEM #5

Contract Modification Request by  
City of Claremont





MSRC-TAC Agenda Item No. 5

**DATE:** May 14, 2020

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

**SUBJECT:** Four-Month Term Extension by City of Claremont, Contract #ML16053

**SYNOPSIS:** The City requests a four-month contract term extension due to delays associated with the COVID-19 situation preventing them from completing required bicycle and pedestrian counts in a meaningful way, 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 Claremont

**Project Title:** Implement “Complete Streets” Pedestrian Access Project

**MSRC Funding:** \$498,750

**Project Term:** March 11, 2016 to May 10, 2020 (three-month extension in process)

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

**Previous Requests:** Three—month term extension; 22-month term extension

Project Description: The MSRC awarded the City of Claremont \$498,750 to implement a “Complete Streets” project, including the installation of pedestrian enhancements and Class II bicycle lane improvements. Construction has been completed; nothing has been paid to date.

Previous Request: The City indicated that additional feedback from stakeholders resulted in a longer than anticipated design process. The City requested, and the MSRC approved, a 22-month contract term extension.

Contract Request: The City states that construction is essentially complete. However, the COVID-19 situation including County Safer at Home Orders make it impossible to perform

meaningful post construction bicycle and pedestrian counts as required by the contract. The City requested a seven-month term extension. Because the contract will terminate on May 10, 2020, a three-month term extension is being processed administratively in order to allow time for the MSRC to consider the remainder of the request. Therefore, a four-month term extension would satisfy the request.



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Administration • (909) 399-5321

April 16, 2020

Ms. Cynthia Revenstein  
MSRC Contracts Administrator  
VIA EMAIL

**Contract No. ML16053; “Complete Streets” Pedestrian Access Project**

Dear Ms. Revenstein,

The City of Claremont received funding approval through MSRC grant Contract No. ML 16053 to install Class II and Class IV bicycle infrastructure within the City of Claremont along Foothill Boulevard from Towne Avenue to the County Line (east of Claremont Boulevard), as part of the Foothill Master Plan Complete Streets Project. This project also includes the construction of bulb outs, enhanced crosswalks, infill sidewalk, and enhancement of pedestrian lighting. The City of Claremont previously applied for a 22-month extension on April 3, 2018. This past request was approved, and now the current agreement expires on May 10, 2020. The City of Claremont now respectfully requests an additional extension in order to complete this project, amending the expiration of the agreement to December 10, 2020.

Currently, this project is substantially complete with only a few minor punch-list items left. The requested extension is needed to allow for the City to perform post-construction pedestrian and bike counts per the terms of the agreement. Currently Los Angeles County, is under an existing Safer At Home Order to reduce health concerns related to COVID-19. This order has since been revised as of April 10, 2020 and is scheduled to be in place through May 15, 2020. Due to the current impact of COVID-19, and the Safer At Home Order, the City of Claremont will not be able to perform the post construction pedestrian and bike counts to satisfy the current agreement.

Therefore, the City is now requesting an extension to the agreement, which will amend the agreement expiration date to December 10, 2020. This extension will allow the City to complete the post construction counts in Fall of 2020, assuming COVID-19 mandates are lifted by then. As stated, the current Safer At Home Order, will not allow for the City of Claremont to perform the required counts during typical conditions as the order has led to the cancellation of the remainder of the current school year for Claremont.

We believe that the existing conditions constitute extenuating circumstances beyond our control and, therefore, respectfully request the approval of the additional time referenced above.

Sincerely,

Brad Johnson  
Director of Community Development

AGENDA ITEM #6

Contract Modification Request by  
San Bernardino County Transportation Authority (SBCTA)

MSRC-TAC Agenda Item No. 6

**DATE:** May 14, 2020

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

**SUBJECT:** One-Year Term Extension by San Bernardino County Transportation Authority (SBCTA), Contract #MS16096

**SYNOPSIS:** SBCTA requests a one-year contract term extension as part of the FYs 2014-16 County Transportation Commission Transportation Control Measure Partnership Program due to delays in equipment delivery associated with the COVID-19 situation.

**FINANCIAL IMPACT:** None

**RECOMMENDATIONS:** None

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

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**DISCUSSION:**

**Contractor:** San Bernardino County Transportation Authority

Project Title: EV Charging Infrastructure at Transit-Related Locations

MSRC Funding: \$450,000

Project Term: December 27, 2016 to June 30, 2020

Current Request: One-year term extension

Previous Requests: Increase number of ADA Level 2 units from two to six and change contractor name; six-month term extension

Project Description: The MSRC awarded SBCTA (then San Bernardino Associated Governments or SANBAG) \$450,000 towards the installation of electric vehicle charging infrastructure at three transit-related locations within the City of San Bernardino. Preparatory construction for charger installation is nearly complete; nothing has been paid to date on this contract.

Previous Requests: SANBAG determined that in order to comply with the ADA building code, they needed to install additional charging stations beyond those specified in the contract. They requested to increase the number of ADA Level 2 units from two to six. Additionally, SBCTA was created as successor to SANBAG. Because the contract was being modified, it was appropriate to change the contractor name. These changes were processed administratively. Subsequently,

SBCTA indicated that changes in the ADA code delayed progress on their project, and they requested an extension to June 30, 2020. This change was processed administratively.

Contract Request: SBCTA now indicates that due to the COVID-19 situation, they are experiencing delays in the delivery of the final pieces of equipment needed. They may arrive soon enough, but it is also possible that the delays could be extended. SBCTA requests a one-year term extension to ensure that the project is complete.

April 21, 2020  
Cynthia Ravenstein  
MSRC Program Administrator  
Mobile Source Air Pollution Reduction Review Committee  
21865 Copley Dr.  
Diamond Bar, CA 91765

SUBJECT: MS16096

Dear Ms. Ravenstein:

The San Bernardino Council of Governments (SBCOG) requests a contract term extension from the Mobile Source Air Pollution Reduction Review Committee (MSRC) for MS16096 for the planning and installation of electric vehicles (EV) charging infrastructure.

SBCOG is experiencing delays in delivery of the final pieces of equipment needed as a result of the COVID 19 situation. It is in the best interest for the project to provide this extension in the event that these delays continue for an extended period of time.

SBCOG requests a one year contract extension for MS16096 to carry the project through June 30, 2021. Should the equipment arrive before the amendment is executed, we will notify you immediately.

SBCOG thanks you for your consideration. I can be reached at [jherrera@gosbcta.com](mailto:jherrera@gosbcta.com) or (714) 274-5134 should you have any questions.

Sincerely,

A handwritten signature in blue ink that reads 'Jenny Herrera'.

Jenny Herrera  
Management Analyst III

AGENDA ITEM #7

Contract Modification Request by  
City of Brea



MSRC-TAC Agenda Item No. 7

**DATE:** May 14, 2020

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

**SUBJECT:** Increase Stations from 13 to 24 by City of Brea, Contract #ML18100 (proposed)

**SYNOPSIS:** As a result of a funding opportunity with Tesla, the City requests to increase the number of stations to be installed from thirteen to twenty-four, 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 Brea

**Project Title:** Install EV Charging Stations

**MSRC Funding:** \$56,500

**Project Term:** Not yet executed

**Current Request:** Increase stations from thirteen to twenty-four

**Previous Requests:** None

**Project Description:** The City was awarded \$56,500 under the MSRC's FYs 2016-18 Local Government Partnership Program towards the installation of 13 Level II limited access charging stations at one of its parking structures. This contract has not yet been executed.

**Contract Request:** The City indicates that they have had several meetings with Tesla. There is an opportunity in which Tesla would install Tesla Superchargers as well as 24 Level II chargers in the City's parking structure. The Level II chargers would meet the J1772 standards, allowing the ability for any EV to use these chargers. MSRC funds would be applied solely towards the Level II chargers—not towards any proprietary equipment. The City requests approval to increase the number of stations from 13 to 24.



## City of Brea

March 10, 2020

Mr. Dan York  
MSRC-TAC Chair  
21865 Copley Drive  
Diamond Bar, CA 91765

Subject: Amendments to MSRC Proposal #PON2018-10-13  
Contract #ML18100

Dear Mr. York,

The City of Brea has had several meetings with Tesla, Inc and they are interested in expanding the Level II charging network in North Orange County. City staff had Tesla, Inc present the opportunity to the Brea City Council and the Council was interested in the opportunity. Council has directed City staff to continue discussions with Tesla and explore funding opportunities to take advantage of this unique opportunity. The City of Brea was awarded \$56,500 to install 13 level II chargers in the parking structure 2 which is located at 175 S. Madrona Avenue, Brea California, per the terms of Contract Number L18100. The Level II chargers will meet the J1772 standards for ability for any EV to use these chargers. The City of Brea is requesting the following modifications to the contract:

- Increase the number of level II chargers from 13 to 24 level II chargers
- Adjust attachment 2 payment schedule to be as follows
  - AB2766 funds \$56,500
  - Contractor AB2766 subvention funds \$39,500
  - Total cost to construct \$134,400

Sincerely,

Brian M. Ingallinera  
Environmental Services Coordinator  
(714) 990-7672  
[Briani@cityofbrea.net](mailto:Briani@cityofbrea.net)

City Council

Marty Simonoff  
Mayor

Steven Vargas  
Mayor Pro Tem

Cecilia Hupp  
Council Member

Christine Marick  
Council Member

Glenn Parker  
Council Member

AGENDA ITEM #8

Contract Modification Request by  
City of Calimesa

MSRC-TAC Agenda Item No. 8

**DATE:** May 14, 2020

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

**SUBJECT:** Sixteen-Month Term Extension by City of Calimesa, Contract #ML18139

**SYNOPSIS:** The City requests a sixteen-month contract term extension due to earlier delays associated with a wildfire, and, more recently, delays in right-of-way acquisitions due to the COVID-19 situation, 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 Calimesa

**Project Title:** Install Bicycle Lane

**MSRC Funding:** \$50,000

**Project Term:** August 30, 2019 to July 29, 2020

**Current Request:** 16-month term extension

**Previous Requests:** None

Project Description: The City was awarded \$50,000 under the MSRC's FYs 2016-18 Local Government Partnership Program to install a Class II bicycle lane (striped lane for one-way bicycle travel adjacent to auto travel lanes) along approximately 2,175 linear feet of roadway. No construction has been completed and nothing has been paid to date on this contract.

Contract Request: The City indicates that in October 2019, the City experienced a wildfire that consumed over 1,100 acres including destruction of a mobile home park. City staff's focus was almost exclusively devoted to responding to this crisis for a period of about eight weeks, with some key staff unavailable for over three months. More recently, the COVID-19 situation

has resulted in delays in right-of-way acquisitions needed to complete work on this contract. The City requests a sixteen-month term extension to enable them to complete the work.



# City of Calimesa

908 Park Avenue • Calimesa, California 92320  
Phone (909) 795-9801 • Fax (909) 795-4399  
<http://www.cityofcalimesa.net>

Clean Transportation Funding from the MSRC  
Attn: Matt Mackenzie  
MSRC Contracts Administration  
21865 Copley Drive  
Diamond Bar, CA 91765

April 23, 2020

Contract: #ML18139  
Project: County Line Road Transportation Corridor

Dear Mr. Mackenzie,

The City of Calimesa requests a time extension to for the County Line Road Transportation Corridor Project. In October 2019, the City of Calimesa experienced a wildfire that consumed over 1,100 acres including destruction of a mobile home park – leaving 103 families with no place to live as well as 2 fatalities. The City's response included opening of an Emergency Operations Center (EOC). This effort essentially consumed all staff for a period of about 8 weeks. The Director of Public Works, that has oversight on this Project as well as serves as the EOC Manager during an emergency, was for all intents and purposes, occupied with the Fire over a 3-month period.

Further, the City of Calimesa has experienced and continues to experience delays in right-of-way acquisitions for this project due to the public health crisis relating to the novel coronavirus named "SARS-CoV-2" and the resulting social distancing orders.

As a result, our new project schedule is as follows:

Advertise – 12/2020  
Award – 01/2021  
Estimated Completion Date – 06/2021

Based on our revised schedule, we are requesting a 16-month time extension from our current term end-date of 7/29/20 to a new date of 11/29/21.

If you should have any questions, please do not hesitate to contact me or my Public Works Department at (909) 795-9801.

Respectfully,

  
Bonnie Johnson  
City Manager

AGENDA ITEM #9

Contract Modification Request by  
City of Fontana

MSRC-TAC Agenda Item No. 9

**DATE:** May 14, 2020

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

**SUBJECT:** Modified Statement of Work by City of Fontana, Contract #ML18144

**SYNOPSIS:** The City requests to substitute 4 single-port stations and 4 dual-port stations for the 12 stations specified in the contract 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 Fontana**

**Project Title:** Install EV Charging Infrastructure

**MSRC Funding:** \$269,090

**Project Term:** October 4, 2019 to December 3, 2023

**Current Request:** Substitute 4 single-port and 4 dual-port stations for the 12 stations specified

**Previous Requests:** None

**Project Description:** The MSRC awarded the City of Fontana \$269,090 to install 12 Level II EV charging stations at various locations within the City. No work has been completed and nothing has been paid to date on this contract.

**Contract Request:** The City indicates that, where feasible, they would prefer to install dual-port charging stations for efficiency. They would still be installing twelve charging ports. The City requests to substitute 4 single-port stations and 4 dual-port stations for the 12 stations specified in the contract.





City of Fontana  
CALIFORNIA

March 4, 2020

Cynthia Ravenstein  
Clean Transportation Funding from the MSRC

RE: MSRC Proposal #PON2018-01-92 - Funding for EV Charging Infrastructure

Dear Cynthia:

The City of Fontana would like to request to substitute four (4) single port and four (4) dual port charging stations for the twelve (12) charging stations specified in the contract. Please advise if this will be acceptable.

Thank you.

A handwritten signature in blue ink, appearing to read "Shawn Matejcek". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Shawn Matejcek  
Project Coordinator  
Public Works Department

*City of Fontana*  
16489 Orange Way  
Fontana, CA 92335  
(909) 350-6760

AGENDA ITEM #10

Contract Modification Request by  
City of Alhambra

MSRC-TAC Agenda Item No. 10

**DATE:** May 14, 2020

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

**SUBJECT:** Modified Statement of Work by City of Alhambra, Contract #ML18169

**SYNOPSIS:** The City requests to substitute 2 single-port stations and 8 dual-port stations for the 12 stations specified in the contract, and correct address, as part of the FYs 2016-18 Local Government Partnership Program.

**FINANCIAL IMPACT:** None

**RECOMMENDATIONS:** None

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

**DISCUSSION:**

**Contractor:** **City of Alhambra**

**Project Title:** Install EV Charging Infrastructure

**MSRC Funding:** \$111,980

**Project Term:** June 14, 2019 to August 13, 2024

**Current Request:** Substitute 2 single-port and 8 dual-port stations for the 12 stations specified

**Previous Requests:** None

Project Description: The MSRC awarded the City of Alhambra \$111,980 to install 12 Level II EV charging stations at various locations within the City. No work has been completed and nothing has been paid to date on this contract.

Contract Request: The City indicates that, where feasible, they would prefer to install dual-port charging stations for efficiency. This would allow them to install a total of eighteen charging ports, instead of the twelve originally called for. The City requests to substitute 2 single-port stations and 8 dual-port stations for the 12 stations specified in the contract. The City also requests to correct the address of one of the installation locations to 26 N. First Street.

City of Alhambra  
Community Development Department

March 26, 2020



Gateway  
to the  
San Gabriel Valley

Cynthia Ravenstein, MSRC Contracts Administrator  
South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, CA 91765-4178

RE: **Contract Modification Request of the AB 2766/MSRC Local Government Partnership Program Contract - Contract No. ML18169**

Dear Ms. Ravenstein,

Based on our conversation regarding the City of Alhambra's electric vehicle equipment installation, and the need for clarification on the location and amount of charging equipment, the City hereby requests a contract modification. This modification applies to the Local Government Partnership Program Contract (hereafter "the contract"), Contract No. ML 18169, between South Coast Air Quality Management District (SCAQMD) and the City of Alhambra (the City) for the "Level II" Type EV Charging Station Installation Project.

The revisions to the contract are limited to those specified below. The City seeks to adhere to all other provisions of the contract, which shall remain in effect.

1. **Proposed Locations** (Attachment 1: Statement of Work – 1. Project)

The right proposed locations should be:

80 S. First Street  
26 N. First Street  
103 N. Chapel Avenue

This address change is to correct an error in the contract which stated 14 N. First Street instead of 26 N. First Street.

2. **Number of Charging Stations**

We request to substitute the number of stations, from 12 to 10, while we will increase the number of individual connector ports from 12 to 18, providing greater service overall. This modification is due to the use of dual ports station instead of single port station in order to increase efficiency where permitted. In doing so, we are able to provide 6 additional ports than originally proposed.

111  
South First Street  
Alhambra  
California  
91801

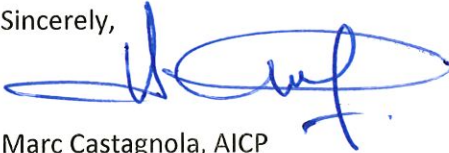
The breakdown of the number of single and dual stations and individual connector ports for each location is as follows:

	80 S. First Street		26 N. First Street		103 N. Chapel Avenue	
	# Stations	# Ports	# Stations	# Ports	# Stations	# Ports
Single Station	2	2	0	0	0	0
Dual Station	2	4	3	3	3	3
<b>Total</b>	<b>4</b>	<b>6</b>	<b>3</b>	<b>6</b>	<b>3</b>	<b>6</b>

Grand Total: Each parking structure will have 6 charging connector ports.  
For a grand total of 10 stations and 18 charging connector ports.

If you have any questions regarding this modification or need any further information, please feel free to contact me at 626-570-5041. Thank you for your assistance.

Sincerely,



Marc Castagnola, AICP  
Director of Community Development Department  
City of Alhambra

Attachments:

Cc: Daniel Bartelson, Principal  
Mengci Yang, Funds Analyst

AGENDA ITEM #11

Request to Re-Open Contract by  
Los Angeles Metropolitan Transportation Authority

MSRC-TAC Agenda Item No. 11

**DATE:** May 14, 2020

**FROM:** Cynthia Ravenstein

**SUBJECT:** Authorize Re-Opening Contract to Reimburse Work Completed by Los Angeles County Metropolitan Transportation Authority (Metro) under Contract #MS18025

**SYNOPSIS:** The MSRC awarded Metro \$1,324,560 to provide special bus and train service to Dodger Stadium for 2018. While awaiting additional documentation in support of the \$255,011 final invoice, the contract was closed in error.

**FINANCIAL IMPACT:** \$706,235.69 was paid under #MS18025. The contract balance of \$618,324.31 reverted to the AB 2766 Discretionary Fund when the contract was closed. Funds are available to support a \$255,011 payment if the contract were re-opened.

**RECOMMENDATIONS:** Staff recommends that the MSRC authorize re-opening the contract solely for the purposes of completing the reimbursement.

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**DISCUSSION:** The MSRC awarded Metro \$1,324,560 to provide special bus and train service to Dodger Stadium, otherwise known as Dodger Stadium Express, for 2018. Following completion of the service, Metro submitted multiple invoices for reimbursement. One invoice, in the amount of \$255,011 for traffic control costs, was awaiting additional supporting documentation when the contract was closed in error.

\$706,235.69 was paid under #MS18025. When the contract closed, \$618,324.31 reverted to the MSRC's undesignated fund balance and was reported as such to the MSRC.

The necessary supporting documentation having been received in the interim, staff recommends that the MSRC authorize re-opening the contract solely for the purposes of completing the reimbursement. Funds are available to support a \$255,011 payment.

AGENDA ITEM #12

Contract Modification Request by  
R.F. Dickson Co.



MSRC-TAC Agenda Item No. 12

**DATE:** May 14, 2020

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

**SUBJECT:** Request to Release Retention by R.F. Dickson Co., Contract #MS18106

**SYNOPSIS:** Contracts with private entities under the MSRC’s FYs 16-18 Natural Gas Infrastructure Program include a retention of 10% pending submittal and MSRC approval of a Final Report. R.F. Dickson has completed the CNG station expansion portion of their work under this contract, but they are currently unable to complete the mechanic training due to the COVID-19 situation. R.F. Dickson requests that the MSRC release the retention for the station element only.

**FINANCIAL IMPACT:** If the MSRC approves R.F. Dickson’s request, \$25,000 would be released for reimbursement.

**RECOMMENDATIONS:** None

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

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**DISCUSSION:**

**Contractor:** R.F. Dickson Company

**Project Title:** Expand Existing CNG Station and Train Mechanics

**MSRC Funding:** \$265,000

**Project Term:** July 19, 2019 to January 18, 2026

**Current Request:** Release 10% retention for station expansion only

**Previous Requests:** None

Project Description: The MSRC awarded R.F. Dickson a total of \$265,000. Of this, \$250,000 was to expand their existing CNG station, with a commitment to use at least 50% renewable natural gas thereafter. The remaining \$15,000 was to train at least three of their employees concerning the maintenance of natural gas-fueled engines and/or CNG fueling stations. The station expansion has been completed and placed into service, and two employees have been trained. \$225,000 has been paid to date on this contract.

Contract Request: All contracts under the MSRC's FYs 16-18 Natural Gas Infrastructure Program include a retention amount pending submittal and MSRC approval of a Final Report. For private entities, this retention is set at 10%. Thus, when R.F. Dickson completed the expansion of their CNG station, for which the MSRC had awarded \$250,000, they were initially reimbursed \$225,000. The remaining \$25,000 is being retained pending submittal and approval of a Final Report.

R.F. Dickson cannot yet submit a Final Report for MSRC approval because they have not completed all the work. They indicate that while some mechanics have been trained, they have not been able to complete the mechanic training element of the contract. Due to the COVID-19 situation, all available training classes were cancelled for the foreseeable future. R.F. Dickson is still interested and intends to complete this work once it is again feasible. Meanwhile, they request that the MSRC release the \$25,000 retention for the station expansion. The 10% retention would still be applied to the \$15,000 for mechanic training.



## Our Solution To Beach Pollution

April 15, 2020

Mr. Matt MacKenzie  
MSRC Contract Manager  
South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, CA 91765

Subject: Contract #MS18106

Dear Mr. Matt MacKenzie:

R. F. Dickson Co., Inc. (RFD) is pleased to submit this request for release of the final 10% retention from California Clean Fuels' Renewable Natural Gas fueling station under contract with the Mobile Source Air Pollution Reduction Review Committee (MSRC) Contract No. MS18106. I understand that this retention is not currently scheduled to be released until the Final Report is reviewed by the MSRC and the training task is complete and can be fully documented via a final invoice.

Unfortunately, our training efforts have been placed on hold until the COVID-19 crisis subsides, since all available training classes were cancelled for the foreseeable future. Since we can't predict when training classes will again be available, we respectfully request MSRC consideration to separate the payment of the 10% retention for station completion (\$25,000) from the training cost share in our contract (\$15,000). Of course, we intend to complete training and request reimbursement for these funds as soon as we can complete the training classes for our team.

Thank you for your consideration of this request. Please contact me at (562) 923-5441 if you have any questions or required additional information to facilitate this payment request. Thank you to the MSRC and its staff for the important and critical support of this project.

Sincerely,

Steve Dickson  
President

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**R.F. Dickson Co. Inc.**

Contract Sweeping  
Consulting  
CNG Fueling Facilities

12524 Columbia Way  
Downey, CA 90242  
[www.DicksonSweeping.com](http://www.DicksonSweeping.com)

562-923-5441  
800-573-3222  
Fax 562-869-5943

AGENDA ITEM #14

Consider SCAG Proposal  
Requesting Sole Source Award for Implementation of "Last Mile" Goods  
Movement Program



MSRC-TAC Agenda Item No. 14

DATE: May 14, 2020

FROM: Ray Gorski, MSRC Technical Advisor

SUBJECT: Consider SCAG Proposal Requesting Sole Source Award for Implementation of “Last Mile” Goods Movement Program Under the MSRC’s 2018-’21 Work Program

SYNOPSIS: At their April 16, 2020 meeting, the MSRC authorized SCAG to submit a sole source proposal for implementation of the Last Mile component of the MSRC’s Regional Goods Movement Program. The Last Mile category focuses on transportation following departure from distribution centers. The requested sole source investment in the Last Mile Work Program component is \$15,000,000 total in MSRC **Clean Transportation Funding™**, with a Phase 1 project component valued at \$10M, and a follow-on Phase 2 component valued at \$5M.

FISCAL **Clean Transportation Funding™** to co-fund the Last Mile Program would be allocated from  
IMPACT: the FY 2018-’21 MSRC Discretionary Fund.

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Background: At the April 16, 2020 MSRC meeting, the Southern California Association of Governments (SCAG) recommended that the MSRC consider awarding SCAG a sole source contract to implement the “Last Mile” component of the overall 2018-’21 MSRC Work Program.

The MSRC did not make a funding award to SCAG on April 16<sup>th</sup>; rather, SCAG recommended that details of the program implementation plan be developed in coordination with the MSRC Technical Advisory Committee and brought back for MSRC consideration at the May 2020 meeting. The MSRC unanimously approved a motion to authorize SCAG to submit a sole source proposal to implement the Last Mile Work Program component.

The Last Mile Work Program Development Subcommittee of the MSRC-TAC was convened on two occasions to review the preliminary program implementation plan developed by SCAG. This preliminary plan is included as an attachment to this Staff Report. However, as the MSRC-TAC Last Mile Subcommittee Work continued beyond the publication of this staff report, Subcommittee-recommended modifications to the preliminary plan will be incorporated by SCAG and brought forth to

the MSRC-TAC at the May 7, 2020 meeting. As of this writing, the following additional program elements are recommended by the Last Mile Subcommittee:

1. To include broad-based regional participation in the Last Mile Work Program component, include a Geographic Funding Minimum for each county in the amount of \$1,250,000;
2. Seek the formation of partnerships with other agencies and entities to leverage the MSRC funding investment, including but not limited to the California Energy Commission;
3. Due to uncertainties in future motor vehicle registration fee revenues as a result of COVID-19 fiscal impacts, it is recommended that Phase 1 of the Last Mile implementation plan be implemented immediately in the amount of \$10M, but that Phase 2 funding be reserved for MSRC consideration and potential award when MSRC **Clean Transportation Funding™** revenue amounts are more fully known.

Subcommittee Recommendation: The Last Mile Subcommittee recommends that the MSRC-TAC consider the following:

1. Recommend to the MSRC that SCAG be awarded a Sole Source Contract to implement the Last Mile component of the FY 2018-'21 MSRC Work Program;
2. That SCAG continue to work with the Last Mile Subcommittee and MSRC Staff to refine the program implementation plan, leading to the development of a sole source contract Statement of Work;
3. That the initial award be to implement Phase 1 of the implementation plan, with a recommendation to bring Phase 2 forward for Committee consideration when future MSRC **Clean Transportation Funding™** revenue amounts are more fully known. The recommended award amount for Phase 1 is \$10,000,000.

## **SCAG Partnership Proposal for the Last Mile Component of the MSRC Goods Movement Program**

### **Introduction**

Every four years, the Southern California Association of Governments (SCAG) partners with cities, counties and transportation agencies across Southern California to develop a strategy for reducing emissions through land-use and transportation strategies. The strategy, called the Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) or “Connect SoCal”, not only serves as a coordinated investment framework for mobility and meeting statewide greenhouse gas emission (GHG) reduction targets, but also provides a vision for achieving the region’s air quality, public health, equity, and economic goals.

SCAG provides local jurisdictions and transportation planning agencies with funding to implement the RTP/SCS through its Sustainable Planning Grant program to update local zoning codes, develop active transportation plans, and advance a variety of other local policies aimed at reducing vehicle miles traveled. During the 2016 cycle, SCAG expanded its resources and local assistance through a partnership with the Mobile Source Air Pollution Reduction Review Committee (MSRC) to implement Go Human Events and Demonstration Projects. Similarly, the most recent partnership effort with the MSRC focused on implementing a successful Future Communities Pilot Program, intended to support the implementation of innovative pilot projects by local agencies. Low-cost demonstration projects allow local jurisdictions to pilot new operational and infrastructure strategies and to generate the community feedback needed to facilitate longer-term change.

Building off of the success of the Go Human and Future Communities Programs, SCAG is proposing to serve as the lead in implementing the last-mile component of the MSRC Goods Movement Program. SCAG is requesting MSRC funds to expand SCAG resources available to partner with local agencies and private sector partners to conduct innovative last-mile freight projects and achieve immediate air quality improvements. The augmentation of SCAG’s regional goods movement knowledge-base and resources with MSRC funding for last mile projects would provide tremendous leveraging opportunities for effective public private partnerships in the implementation of air quality programs and re-envisioning of goods movement concepts throughout the region.

### **Proposal**

SCAG is proposing to serve as the lead for the last-mile component of the MSRC Goods Movement Program. As the lead, SCAG would establish a two-phased approach to meet the goal of cost-effective emissions reduction of criteria pollutants from last mile freight operations. Specifically, SCAG would establish an immediate call-for-projects process for Phase 1, focusing on the purchase and deployment of zero-emission or near-zero emission (ZE/NZE) heavy or medium duty on road trucks (can include ZE/NZE equipment and supporting infrastructure). For Phase 2, SCAG would develop a robust outreach initiative to expand upon the Phase 1 projects and coordinate with both public and private sector stakeholders to deploy broader innovative technologies currently being demonstrated by leading last mile delivery companies, particularly in e-commerce use-cases. Such a two-phased strategy allows for combining multiple cost-effective ZE/NZE technologies and facilitating operating efficiencies critical for private industries through supportive public policies. Key goals/objectives and associated activities are further summarized below:

**Goal:** Achieve cost-effective emissions reduction of criteria air pollutants from last mile freight operations.

**Objectives/Activities:**

1. Establish Phase 1 call-for-projects process to select projects for implementation in 2020; includes development of screening and project selection guidance.
2. Issue Phase 1 call-for-projects; evaluate and select projects in consultation with MSRC staff.
3. Oversee implementation of Phase 1 selected projects in accordance with MSRC requirements. Provide progress reports and final report.
4. Research and assessment of promising Phase 2 project concepts, including comprehensive identification of public and private sector stakeholders to be considered and engaged for participation in Phase 2.
5. Execute Phase 2 outreach, including development of collateral materials to present to various key stakeholders and illustrate the opportunity and expectations for Phase 2 last mile project concepts.
6. Refine established program guidelines from Phase 1 call-for-projects process to select Phase 2 project concepts for deployment in 2021; includes development of screening and project selection guidance.
7. Issue Phase 2 call-for-projects; evaluate and select projects in consultation with MSRC staff.
8. Oversee implementation of Phase 2 selected projects in accordance with MSRC requirements. Provide progress reports and final report.

*Project Concepts*

**Phase 1:**

- Purchase & deploy into revenue service ZE/NZE heavy-duty or medium-duty on-road trucks engaged in last mile freight operations.
- Purchase & deploy into revenue service off-road ZE/NZE equipment utilized in last mile freight operations.
- Design and install ZE/NZE infrastructure (i.e., charging/fueling infrastructure) to support last mile freight operations.

**Phase 2:**

Through SCAG's recently completed Last-Mile Freight Study, an extensive literature review was undertaken in addition to data collection and analyses. A brief listing of some examples of potential project concepts for Phase 2 is provided below:

- **Cargo eBike Delivery:** Combining the use of eBikes with ZE delivery vehicles through the use of staging locations. This project concept can leverage the Phase 1 purchase and deployment of ZE trucks to operationalize a broader ZE project concept incorporating eBikes and staging locations for more efficient deliveries.
- **Off-Peak Delivery:** Includes receivers and delivery companies testing deliveries outside of peak traffic patterns. Again, off-peak policy initiatives could be operationalized with the purchase and deployment of ZE/NZE vehicles for particular market segments where private industry have



expressed interest and demonstrated success elsewhere (e.g., Sysco in New York City, other food/event services operations in London for 2016 London Summer Olympics).

- Drone deliveries in rural/less populated settings throughout the region. Particularly with smaller parcel deliveries and medications, etc., there is an opportunity to further emissions reductions via drone delivery technologies.
- Robot deliveries in dense/urban typologies working with meal or grocery delivery companies, etc. This project also can leverage the Phase 1 purchase and deployment of ZE trucks by combining with “last 50 feet” technology innovations that deploy robots for delivery.
- Common Carrier Lockers: Can be considered in office buildings, apartment complexes, transit stations, as a means to consolidate delivery company shipments and offer patrons multiple areas for pick-up/drop-off to effectively reduce vehicle miles traveled and facilitate efficient operations.
- Low/Zero-Emission Zones: Includes the use of ZE/NZE vehicles purchased and deployed in Phase 1 to establish a district/area to further incentivize deployment of ZE initiatives, including supporting policies and infrastructure. Such a strategy could be established with voluntary participation of private sector partners and interested jurisdictions.
- Delivery Consolidation/Staging: Includes the use of public/private space where delivery companies can consolidate/de-consolidate and/or stage equipment to reduce vehicle miles traveled in last mile freight operations.

#### **Last-Mile Delivery Program Progress To Date**

SCAG’s leadership in administering this new component of the MSRC Program will rely heavily on the work over the past 6 months, and will generate strong synergies between public and private stakeholders, looking to advance the most innovative technology opportunities in last-mile deliveries.

Work completed to date include:

- Work Plan developed and initiated;
- Developed last-mile delivery project concepts;
- Developed a toolbox of last-mile strategies;
- Created an analysis tool of the data collected from the Last-Mile Freight Study;
- Established a contact lead database of key last-mile delivery players in the region;
- Performed due diligence and started procurement for e-commerce data to better compare the SCAG region’s understanding of traditional retail versus e-commerce activities;
- Performed significant due diligence on truck flows by truck type (heavy-duty, medium-duty) and service type including e-commerce;
- Initiated information exchange with academic institutions and other organizations deploying similar projects to assess breadth of programs and lessons learned; and
- Established interest/conducted outreach in 2<sup>nd</sup> and 3<sup>rd</sup> Quarters of FY20 with the following companies/organizations:
  - United Parcel Service (UPS)
  - FedEx Corporation
  - United States Postal Service (USPS)
  - Amazon
  - Sysco

- Prologis
- Postmates
- Uber Eats
- Orange County Business Council (OCBC)
- Los Angeles Department of Transportation (LADOT)
- City of Los Angeles Planning Department
- Office of Los Angeles, Mayor Eric Garcetti
- City of Santa Monica
- Los Angeles Business District
- Westwood Business District
- Building and Office Management Association (BOMA)

**Funding Strategy**

SCAG will provide co-funding from existing resources in the form of in-kind match associated with the development, administration, and analytical support of the program. SCAG is currently in receipt of state grants to execute components of the program and is pursuing some federal grant support as well. SCAG expects that the primary source of match would be provided from private industry partners (1:1) for Phases 1 and 2, and potentially other match from public partners as may be applicable (e.g., access to public right-of-way for staging, etc.) for Phase 2.

Based on SCAG’s latest analysis of daily truck trips in the region for Connect SoCal (RTP/SCS), internal truck trips (non-port) constitute nearly 90 percent of total truck trips in the region. MSRC funding would allow for a more robust regional deployment of last-mile strategies to cost-effectively reduce emissions from these goods movement sources.

MSRC request Phase 1=\$10 million

MSRC request Phase 2=\$5 million

**Proposed Preliminary Schedule**

**Phase 1**

- **Milestone 1:** Phase 1 Development of Program Guidelines, Issuance of Call-for-Projects, Screening and Selection of Projects
  - **Spring/Summer 2020**
- **Milestone 2:** Phase 1 Project Implementation
  - **Fall/Winter 2020**
- **Milestone 3:** Phase 1 Evaluation and Final Report
  - **Winter 2020**

**Phase 2**

- **Milestone 4:** Phase 2 Continued Outreach & Request for Information/Call-for-Projects
  - **Summer/Fall 2020 (anticipate some overlap with Phase 1 milestones)**
- **Milestone 5:** Phase 2 Screening and Selection of Project Concepts
  - **Winter 2020 (anticipate some overlap with Phase 1 milestones)**
- **Milestone 6:** Phase 2 Demonstration Framework

- **Spring 2021 – Summer 2021**
- **Milestone 7:** Phase 2 Project Implementation
  - **Summer 2021 – Fall 2021**
- **Milestone 8:** Phase 2 Evaluation and Final Report
  - **Winter 2021**

### **SCAG’s Unique Qualifications to Serve as Lead for Regional Last-Mile Program**

SCAG has demonstrated substantial research and planning knowledge in goods movement, particularly in the area of last-mile freight with the recent completion of its Last-Mile Freight Study and Connect SoCal’s Goods Movement Technical Report. In prior years, SCAG also spearheaded the Comprehensive Regional Goods Movement Plan and Implementation Strategy, focused on re-envisioning goods movement in Southern California. Through these achievements, SCAG has performed substantial analyses with respect to last-mile delivery, supply chains, e-commerce, considerations for emissions reduction, and many other facets of goods movement planning. Further work is also anticipated in the coming year focused on assessing infrastructure need to support regional transition to zero emission vehicles.

As mentioned, MSRC partnerships have been instrumental in helping SCAG pilot concepts that have been developed into larger programs, leveraging different resources. Go Human now has a dedicated funding source through the regional portion of the California Active Transportation Program and a statewide program is in the works. Though still in the progress, the Future Communities Pilot Projects were featured in Connect SoCal as part of a broader regional strategy to promote virtual access, and SCAG has secured state funding to support more local projects in this area.

SCAG’s focus is to achieve the same success with the Last Mile Delivery Program to pilot concepts that will help us evolve and advance regional plans and practices to improve air quality.

#### *Last-Mile Freight Study*

The Last-Mile Freight Study was conducted within the City of Los Angeles to better understand delivery activities throughout multiple city area typologies. Case study areas were defined through existing data sources such as delivery demand, parking violations, and accidents, among others. Using a multiple city area typology approach ensured that the study’s outcomes would provide value across the region, versus focusing solely on the most dense areas of the City. Working with key stakeholders at the City, as well as with major delivery and shipping companies has led to a mutual interest to facilitate priority access at the curb side, as well as to consider the use of clean freight delivery technologies. This effort has led to the development of case study area recommendations, a toolbox of strategies and pilot project concepts. This framework is being leveraged through SCAG’s next phase of curb activity analysis within the Curb Side Management Study, which will look to build on data collection and analysis.

#### *Connect SoCal Goods Movement Technical Report*

Through the development of Connect SoCal, the Goods Movement Technical Report has included new focus areas such as last-mile delivery, e-commerce, and extensive analyses of supply chains and commodity flows; as well as a key focus on a technology advancement roadmap to further develop and deploy zero and near-zero emission technologies to reduce emissions. Combined with the next steps of working towards an update of SCAG’s Comprehensive Regional Goods Movement Plan and

Implementation Strategy, there will be a significant focus on procuring new data to better provide analyses in these areas.

*SCAG Regional Study Focused on Supporting Infrastructure for Zero Emission Trucks*

In light of regional and state goals and mandates to improve regional air quality and reduce GHG emissions, Connect SoCal includes a technology advancement plan for the regional goods movement system, as well as action steps to be taken by SCAG and our regional partners. This includes a focus on the long-term goal of a zero emission goods movement system where technically feasible and economically viable, while also integrating near-zero emissions technologies that serve as bridging options to continue to reduce emissions below current levels. SCAG's current goods movement work program also entails initiating a study to clarify unknowns related to the infrastructure needed to support our transition to zero emission vehicles. Information about the demand for fueling and charging collected could be leveraged for the Last-Mile Program.

PRELIMINARY

# SCAG Partnership Proposal with MSRC

Last-Mile Component of MSRC Goods Movement Program

Scott Strelecki

Goods Movement & Transportation Finance Dept.

May 14, 2020

[www.scag.ca.gov](http://www.scag.ca.gov)



- SCAG provides local jurisdictions and transportation planning agencies with funding to implement the RTP/SCS through its Sustainable Planning Grant program
- During the 2016 cycle, SCAG expanded its resources and local assistance through a partnership with the Mobile Source Air Pollution Reduction Review Committee (MSRC) to implement Go Human Events and Demonstration Projects
- Similarly, the most recent partnership effort with the MSRC focused on implementing a successful Future Communities Pilot Program

- SCAG is proposing to serve as the lead for the last-mile component of the MSRC Goods Movement Program
  - Goal: Achieve cost-effective emissions reduction of criteria air pollutants from last mile freight operations
- As the lead, SCAG would establish a **two-phased** approach as follows:
  - **Phase 1:** establish call-for-projects process, focusing on the purchase and commercial deployment of zero-emission or near-zero emission (ZE/NZE) heavy and/or medium duty on road trucks (can include ZE/NZE equipment and supporting infrastructure)
  - **Phase 2:** conduct robust outreach to expand Phase 1 projects and coordinate with both public and private sector stakeholders to deploy broader innovative technologies currently being demonstrated by leading last mile delivery companies, particularly in e-commerce use-cases

# Project Concepts Phase 1

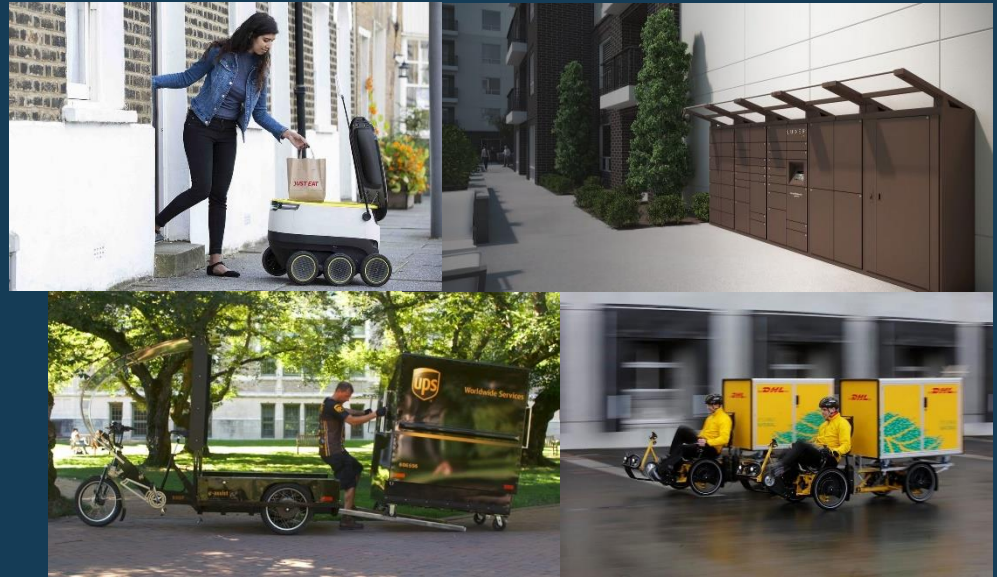
- Purchase & deploy into revenue service ZE/NZE heavy-duty or medium-duty on-road trucks engaged in last mile freight operations.
- Purchase & deploy into revenue service off-road ZE/NZE equipment utilized in last mile freight operations.
- Design and install ZE/NZE infrastructure (i.e., charging/fueling infrastructure) to support last mile freight operations.





# Examples of Potential Phase 2 Project Concepts

- Phase 2 project concepts can leverage the Phase 1 purchase and deployment of ZE trucks to operationalize a broader ZE project concepts.
- **Cargo eBike Delivery**
- **Off-Peak Delivery**
- **Drone Deliveries**
- **Robot Deliveries**
- **Common Carrier Lockers**
- **Low/Zero-Emission Zones**
- **Delivery Consolidation/Staging**



- SCAG will provide co-funding from existing resources in the form of in-kind match associated with the development, administration, and analytical support of the program.
- SCAG anticipates that the primary source of match would be provided from private industry partners (1:1) for Phases 1 and 2, and potentially other match from public partners as may be applicable (e.g., access to public right-of-way for staging, etc.) for Phase 2.
  - MSRC request Phase 1=\$10 million
  - MSRC request Phase 2=\$5 million

# Proposed Preliminary Schedule



## Phase 1

- **Milestone 1:** Development of Program Guidelines, Issuance of Call-for-Projects, Screening and Selection of Projects
  - **Spring/Summer 2020**
- **Milestone 2:** Project Implementation
  - **Fall/Winter 2020**
- **Milestone 3:** Evaluation & Final Report
  - **Winter 2020**

## Phase 2

- **Milestone 4:** Continued Outreach & Request for Information/Call-for-Projects
  - **Summer/Fall 2020**
- **Milestone 5:** Screening and Selection of Project Concepts
  - **Winter 2020**
- **Milestone 6:** Demonstration Framework
  - **Spring 2021 – Summer 2021**
- **Milestone 7:** Project Implementation
  - **Summer 2021 – Fall 2021**
- **Milestone 8:** Evaluation & Final Report
  - **Winter 2021**

# SCAG's Unique Qualifications to Serve as Lead for Regional Last-Mile Program



- Demonstrated substantial research and planning knowledge in goods movement, particularly in the area of last-mile freight.
- The Last-Mile Freight Study has provided a solid framework for project development and implementation.
- Connect SoCal Goods Movement Technical Report has included new focus areas such as last-mile delivery, e-commerce, and extensive analyses of supply chains and commodity flows; as well as a key focus on a technology advancement roadmap to further develop and deploy zero and near-zero emission technologies to reduce emissions.
- Other studies including regional infrastructure supporting zero emission trucks will provide a connection to important infrastructure considerations.
- Initiated information exchange with academic institutions and other organizations conducting similar research and pilot studies to assess breadth of programs and lessons learned.
- Ability to leverage different funding resources to create larger programs through partnership with MSRC

# Thank you for your involvement!

Scott Strelecki

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AGENDA ITEM #15

Clean Fuels/Clean Technologies  
Conference Calendar for 2020-2021

## Clean Fuels and Clean Technologies Conference Calendar for 2020 - 2021

### May 2020

- May 6-7 Battery Congress-Emissions-Global Automotive Management Council, Troy, MI. Website: <https://gamcinc.com/conferences/battery-congress/>
- May 11-13 ACT (Advanced Clean Transportation) Conference and Expo, Long Beach, CA. Website: <https://www.actexpo.com/>
- May 11-14 CTI Symposium USA – Automotive Drivetrains/Intelligent/Electrified, Novi, MI. Website: <https://drivetrain-symposium.world/us/expo/>
- May 12-15 2<sup>nd</sup> Annual Air Sensors International Conference, Pasadena. Website: <https://asic.aqrc.ucdavis.edu/>
- May 18-19 International Conference on Electric Vehicle Engineering, Montreal, Canada, Website: <https://www.conferenceindex.org/event/international-conference-on-electric-vehicle-engineering-iceve-2020-may-montreal-ca>
- May 18-20 CARTEEH 2<sup>nd</sup> Transportation, Air Quality, and Health Symposium, Riverside, CA., Website: [carteeh.org](http://carteeh.org)
- May 18-22 2020 AGA Operations Conference (Natural Gas Industry), Chicago, IL., Website: <https://www.aga.org/events-community/events/2020-aga-operations-conference--spring-committee-meetings/>
- May 19-21 DOE Hydrogen & Fuel Cell Program 2020 AMR, Crystal City, VA., Website: <https://www.annualmeritreview.energy.gov/>**

### June 2020

- June 4-5 International Conf. on Electric Vehicle & Battery Technologies, New York, NY., Website: <https://www.conferenceindex.org/event/international-conference-on-electric-vehicles-and-battery-technologies-icevbt-2020-june-new-york-us>
- June 5 California Air Quality Awards, Los Angeles, CA., Website: <https://www.ccair.org/events/california-air-quality-awards/>
- June 8-11 Advanced Automotive Battery Conference, San Francisco, CA., Website: <https://www.advancedautobat.com/us>
- June 13-20 North American International Auto Show (Calstart), Detroit, MI., Website: <https://calstart.org/event/north-american-international-auto-show/>
- June 14-17 33<sup>rd</sup> International Electric Vehicle Symposium & Exhibition, Portland, OR., Website: <https://www.globenewswire.com/news-release/2018/06/20/1527426/0/en/EDTA-to-Convene-in-Portland-for-33rd-International-Electric-Vehicle-Symposium-and-Exposition.html>
- June 29-Jul 2 Air & Waste Management-ACE 2020 Gateway to Innovation, San Francisco, CA., Website: <https://www.awma.org/ace2020>

July 2020

- July 15-16 **US Hydrogen & Fuel Cells Energy Summit 2020, Boston, MA.**  
<https://www.wplgroup.com/aci/event/us-hydrogen-fuel-cells-energy-summit/>
- July 26-31 Fuel Cells-Integrating Theory, Synthesis, Characterization & Validation for the Advancement of Fuel Cell Research, Smithfield, RI., Website: <https://www.grc.org/fuel-cells-conference/2020/>

August 2020

- Aug 27 Women in Green Forum, Los Angeles, CA., Website:  
<https://www.eventbrite.com/e/11th-annual-women-in-green-forum-registration-88021826653>

September 2020

- Sept 14-17 Hydrogen + Fuel Cells International, Anaheim, CA., Website:  
<https://10times.com/hydrogen-fuel-cells-international>
- Sept 15-17 Electric & Hybrid Vehicle Technology Expo, Novi, MI., Website:  
<https://evtechexpo.com/>
- Sept 15-17 The Battery Show, Novi, MI., Website:  
<https://thebatteryshow.com/>
- Sept 26-Oct 4 National Drive Electric Week, Website:  
<https://driveelectricweek.org/events.php>

October 2020

- Oct 7 California Clean Air Day, Website: <https://cleanairday.org/>
- Oct 21-22 2020 Battery & Energy Storage Conference, New York, NY., Website:  
<https://www.aiche.org/cei/conferences/battery-and-energy-conference/2020>
- Oct 28-29 American Assoc. of Port Authorities – Energy & Environment, New Orleans, LA.,  
Website: [https://my.aapa-ports.org/Public/Events/Event\\_Display.aspx?EventKey=20ENERGY](https://my.aapa-ports.org/Public/Events/Event_Display.aspx?EventKey=20ENERGY)
- Oct 29-30 International Conference on Hydrogen Fuel Cell, Los Angeles, CA., Website:  
<https://www.conferenceindex.org/event/international-conference-on-hydrogen-and-fuel-cell-technology-ichfct-2020-october-los-angeles-us>

November 2020

- Nov 18-19 Electric Vehicles: Everything is Changing-Conference, Santa Clara, CA., Website:  
<https://www.idtechex.com/electric-vehicles-usa/show/en/>

December 2020

- Dec 1-3 Air Quality Measurement Methods & Tech Conference, San Diego, CA., Website:  
[https://www.awma.org/ev\\_calendar\\_day.asp?date=12/1/2020&eventid=146](https://www.awma.org/ev_calendar_day.asp?date=12/1/2020&eventid=146)



Dec 6-9 Behavior, Energy & Climate Change 2020 Conference, Washington D.C. Website:  
<https://beccconference.org/>

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

Last updated 5/1/2020 (**Items in bold were recently added**).