



South Coast  
Air Quality Management District  
21865 Copley Drive, Diamond Bar, CA 91765  
(909) 396-2000, [www.aqmd.gov](http://www.aqmd.gov)

## **MOBILE SOURCE COMMITTEE MEETING**

### **Committee Members**

Dr. William A. Burke, Chair  
Supervisor Lisa Bartlett  
Mayor Pro Tem Larry McCallon  
Mayor Judith Mitchell  
Supervisor V. Manuel Perez  
Supervisor Janice Rutherford

**October 18, 2019 ♦ 9:00 a.m. ♦ CC8**  
**21865 Copley Drive, Diamond Bar, CA 91765**

### **TELECONFERENCE LOCATIONS**

11461 West Sunset Boulevard  
The Malibu Room  
Los Angeles, CA 90049

Rolling Hills Estates City Hall  
4045 Palos Verdes Dr. North  
Rolling Hills Estates, CA 90274

Hall of Administration  
Board Room  
333 W. Santa Ana Blvd.  
Santa Ana, CA 92701

73710 Fred Waring Drive  
Suite 222  
Palm Desert, CA 92260

8575 Haven Avenue  
Suite 110  
Rancho Cucamonga, CA 91730

**(The public may attend at any location listed above.)**

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*Toll Free: 866-244-8528*

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## **AGENDA**

*Members of the public may address this body concerning any agenda item before or during consideration of that item (Gov't. Code Section 54854.3(a)). Please provide a Request to Address the Committee card to the Committee Secretary if you wish to address the Committee on an agenda item. If no cards are available, please notify South Coast AQMD staff or a Board Member of your desire to speak. All agendas for regular meetings are posted at South Coast AQMD 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**

#### **ACTION ITEM (Item 1)**

- 1. Annual Report on AB 2766 Funds from Motor Vehicle Registration Fees for FY 2017-18**  
*(Motion Requested)*

Carol Gomez  
*Planning & Rules  
Manager*

This report contains data on the AB 2766 Subvention Fund Program for FY 2017-18 as requested by CARB. This action is to approve the AB 2766 Annual Report.

#### **INFORMATIONAL ITEMS (Items 2-3)**

- 2. Update on Facility-Based Mobile Source Measure for Commercial Airports**  
*(No Motion Requested)*

Zorik Pirveysian  
*Planning & Rules  
Manager*

On May 2018, the Board directed staff to pursue a voluntary Memorandum of Understanding (MOU) approach based on airports' development of Air Quality Improvement Plans (AQIPs) to implement the 2016 AQMP Facility-Based Mobile Source Measure (FBMSM) MOB-04 (Emission Reductions at Commercial Airports). All five commercial airports have developed their own AQIPs or Air Quality Improvement Measures (AQIM) for non-aircraft airport emissions. Draft MOUs specify State Implementation Plan (SIP) creditable AQIP or AQIM measures which airports agree to implement and provide annual reports to South Coast AQMD. South Coast AQMD is making an enforceable commitment to U.S. EPA to achieve the emission reductions associated with implementation of these measures and seeks to obtain SIP credits. Staff will provide an update on the FBMSM for Commercial Airports which includes the MOUs and the South Coast AQMD's enforceable commitment.

- 3. Briefing on the Proposed Draft Contingency Measure Plan for the 1997 8-Hour Ozone Standard for South Coast Air Basin**  
*(No Motion Required)*

Sarah Rees  
*Assistant Deputy  
Executive Officer*

The South Coast Air Basin (SCAB) is classified as an Extreme nonattainment area for the 1997 8-hour ozone national ambient air quality standard (NAAQS), with an attainment date of June 15, 2024. The attainment strategy in the 2016

AQMP includes both defined measures as well as “further deployment of cleaner technologies” measures, as allowed under the federal Clean Air Act (CAA) Section 182(e)(5). Under CAA requirements, development and adoption of contingency measures are required no later than 3 years before the attainment date. Staff will provide a briefing on the proposed draft Contingency Measure Plan to address the contingency measure requirements of CAA section 182(e)(5) for the 1997 8-hour ozone NAAQS for the SCAB.

#### **WRITTEN REPORTS (Items 4-5)**

**4. Rule 2202 Activity Report: Rule 2202 Summary Status Report  
(No Motion Required)**

The Rule 2202 Summary Status Report summarizes Rule 2202 activities for the period January 1, 2019 to September 30, 2019. The report identifies the plan submittal activities by option type and lists Air Quality Investment Program funds collected by county.

Philip Fine  
*Deputy Executive  
Officer*

**5. Lead Agency Projects and Environmental Documents Received  
(No Motion Required)**

This report provides, for the Board's consideration, a listing of CEQA documents received by the South Coast AQMD between September 1, 2019 and September 30, 2019, and those projects for which the South Coast AQMD is acting as lead agency pursuant to CEQA.

Philip Fine

#### **OTHER MATTERS**

**6. Other Business**

*Any member of the Committee, 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. (Gov't. Code Section 54954.2)*

**7. Public Comment Period**

*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.*

**8. Next Meeting Date: Friday, November 15, 2019 at 9:00 am**

#### **ADJOURNMENT**

**Americans with Disabilities Act**

*The agenda and documents in the agenda packet will be made available, upon request, in appropriate alternative formats to assist persons with a disability (Gov't. Code Section 54954.2(a)). Disability-related accommodations will also be made available to allow participation in the Mobile Source Committee meeting. Any accommodations must be requested as soon as practicable. Requests will be accommodated to the extent feasible. Please contact Angela Kim at 909.396.2590 from 7:30 a.m. to 6:00 p.m., Tuesday through Friday, or send the request to [akim@aqmd.gov](mailto:akim@aqmd.gov).*

**Document Availability**

*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.*

BOARD MEETING DATE: November 1, 2019

AGENDA NO.

PROPOSAL: Approve Annual Report on AB 2766 Funds from Motor Vehicle Registration Fees for FY 2017-18

SYNOPSIS: This report contains data on the AB 2766 Subvention Fund Program for FY 2017-18 as requested by CARB. This action is to approve the AB 2766 Annual Report.

COMMITTEE: Mobile Source, October 18, 2019; Recommended for Approval

**RECOMMENDED ACTION:**

Approve the Annual Report on AB 2766 Funds from Motor Vehicle Registration Fees for FY 2017-18, for submittal to CARB.

Wayne Natri  
Executive Officer

PF:SR:CG: LG

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**Background**

In September 1990, Assembly Bill 2766 (AB 2766) was signed into law authorizing a \$2 motor vehicle registration fee surcharge, with a subsequent increase to \$4 in 1992. Section 44223 of the Health & Safety (H&S) Code, enacted by AB 2766, specifies that this motor vehicle registration fee be used “...for the reduction of air pollution from motor vehicles pursuant to, and for related planning, monitoring, enforcement, and technical studies necessary for the implementation of the California Clean Air Act of 1988.”

Local jurisdictions receive 40 percent of the first \$4 of each vehicle registration fee to implement projects that reduce mobile source emissions. The South Coast AQMD distributes these funds quarterly to cities and counties in our jurisdiction based on their prorated share of population. In 2004, an additional \$2 surcharge was added pursuant to H&S Code Section 44229 to provide a source of funding for expansion of the Carl Moyer Memorial Air Quality Standards Attainment program. Local agencies that are subvented motor vehicle registration fees for motor vehicle emissions reduction programs report annually to South Coast AQMD on their use of the fees, and the results of projects funded by the fees. The reporting by local governments follows the

guidelines and methodology specified by CARB. The attached report details local government expenditures during FY 2017-18.

### **Summary of Subvention Fund Program Report**

This report includes the types of projects, financial expenditures, quantifiable emission reductions, and associated cost-effectiveness for projects implemented by local governments through the AB 2766 Subvention Fund Program for FY 2017-18.

Staff provided project eligibility guidance, technical assistance, and training sessions to local government representatives. During these interactions, staff addressed program challenges unique to specific cities/counties, assisted with emission calculations, and provided hands-on instruction in the use of the CARB automated reporting system. Staff will continue to provide outreach to local government officials, city managers, and program liaisons and will encourage the implementation of more quantifiable, cost-effective projects that yield direct mobile source emission reductions.

During FY 2017-18, local governments received \$21.8 million from motor vehicle fees and spent \$19.0 million on mobile source emission reduction projects. Approximately \$51.3 million or 85 percent of their ending balances (which includes unspent monies from prior years) was pre-designated for future projects. Expenditures in the Alternative Fuels/Electric Vehicles and Transportation Demand Management categories were the two highest spending categories as many local governments direct their spending priorities towards purchasing/leasing of alternative fuel/electric vehicles and implementation of transit subsidization and trip reduction projects.

Quantifiable emission reductions from projects implemented during FY 2017-18 reduced 98 tons of emissions (VOC, NO<sub>x</sub>, PM<sub>2.5</sub> and CO/7). The emissions reduced from projects funded had an overall average cost-effectiveness of approximately \$35 per pound of emissions reduced.

In accordance with H&S Code Section 44244.1, any agency receiving AB 2766 fee revenues is subject to a program or funding audit conducted by an independent auditor selected by the South Coast AQMD. A summary of Councils of Government (COG) activities in the report identifies the respective COGs that received AB 2766 subvention funds from member cities and counties, and includes project descriptions.

### **Proposal**

Approve the attached staff report for submittal to CARB.

### **Attachment**

Annual Report on AB 2766 Funds from Motor Vehicle Registration Fees for FY 2017-18.

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

**Annual Report on AB 2766 Funds from Motor Vehicle Registration Fees for FY 2017-18**

**November 1, 2019**

**Executive Officer**

Wayne Nastri

**Deputy Executive Officer**

**Planning, Rule Development & Area Sources**

Philip Fine, Ph.D.

**Assistant Deputy Executive Officer**

**Planning, Rule Development, and Area Sources**

Sarah Rees, Ph.D.

**Planning and Rules Manager**

Carol Gomez

**Program Supervisor**

Lane Garcia

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**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
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VACANT  
Governor's Appointee

**EXECUTIVE OFFICER:**

WAYNE NASTRI



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### Other Information Available on South Coast AQMD's Website or Upon Request

<http://www.aqmd.gov/home/programs/local-government>

- AB 2766 Motor Vehicle Fee Subvention Fund Program Resource Guide
- CARB Criteria and Guidelines for the Use of Motor Vehicle Registration Fees
- AB 2766 Funds Report from Motor Vehicle Registration Fees - Previous Years Staff Reports

## **EXECUTIVE SUMMARY**

During Fiscal Year 2017-18, 162 local governments in the South Coast Air Quality Management District (South Coast AQMD) were eligible to receive AB 2766 Subvention Funds. In summary, these jurisdictions were subvented \$21.8 million to implement projects that reduce mobile source emissions. From their AB 2766 fund balances, local governments spent \$19.0 million. The two highest spending categories were Alternative Fuels/Electric Vehicles and Transportation Demand Management, which claimed a combined total of 59% of the \$19.0 million program expenditures. The two project categories yielding the highest portion of emission reductions for this fiscal reporting cycle were Transportation Demand Management and Traffic Management. In total, local governments implemented 358 projects of which 234 reported quantified emission reductions.

### **I. BACKGROUND**

On-road motor vehicles, including cars, trucks and buses, represent the most significant sources of air pollution in the South Coast Air Basin (SCAB). Vehicle emissions from exhaust contribute to unhealthy levels of ozone and toxic air contaminants. To protect public health, Assembly Bill 2766 was signed into law in September 1990. Section 44223 of the Health & Safety (H&S) Code authorized a \$2 motor vehicle registration fee surcharge, effective April 1991, to fund the implementation of programs designed to reduce air pollution from motor vehicles and to implement the California Clean Air Act of 1988. H&S Code Section 44225 authorized a subsequent increase in this fee to \$4, effective April 1992. In 2004, an additional \$2 surcharge was added pursuant to H&S Code 44229 to provide a long-term source of funding for expansion of the Carl Moyer Memorial Air Quality Standards Attainment Program and to incentivize early introduction of clean air technology such as cleaner diesel engines; a Lower-Emission School Bus Program; and, accelerated vehicle repair and retirement programs.

For the first \$4 of the funds, AB 2766 requires that fees collected by the California Department of Motor Vehicles (DMV) be subvented to South Coast AQMD for the purpose of funding three programs with a prescribed allocation as follows: The Local Government Subvention Fund Program portion (40%) is distributed on a quarterly basis to South Coast Air Basin cities and counties based upon their prorated share of population to implement projects that reduce emissions from mobile sources; the South Coast AQMD Program Fund (30%) goes towards agency planning, monitoring, research and other activities that reduce mobile source emissions; the Discretionary Fund Program (30%) is administered by the Mobile Source Air Pollution Reduction Review Committee (MSRC), which awards money to project proponents that also reduce motor vehicle emissions. AB 2766 funded projects have many additional benefits including increasing transportation alternatives, relieving traffic congestion, conserving scarce energy resources and reducing greenhouse gas emissions.

In March of 2017, the South Coast AQMD adopted the 2016 Air Quality Management Plan (AQMP) as the blueprint for attainment of federal ozone and PM 2.5 standards in the South Coast Air Basin by 2031. The 2016 AQMP brought renewed focus to the role that mobile source emissions play in attainment of these standards. Future mobile source control measures are identified in the AQMP as well as planning opportunities available for SCAB agencies to align transportation policy, infrastructure modernization, and emission control goals. The South Coast AQMD's AB 2766 staff actively works with local governments to align their planning efforts with policy objectives of the AB 2766 Subvention

Fund Program and the AQMP blueprint designed to meet State and Federal Clean Air Act attainment standards.

## II. REPORTING

This Staff Report solely addresses the AB 2766 funds subvned to local governments by accounting for financial expenditures, emissions reduced, and the cost-effectiveness of projects implemented through the AB 2766 Subvention Fund Program during FY 2017-18.

AB 2766 fees are collected by the DMV and subvned to the South Coast AQMD on a monthly basis. The South Coast AQMD Finance Division disburses the AB 2766 revenues to local governments quarterly. During FY 2017-18, 162 local governments were eligible to receive AB 2766 funds (see Attachment A). Pursuant to H&S Code 44243(b)(1), newly incorporated cities may receive subvention funds, provided they adopt and transmit to the South Coast AQMD the required ordinance within 90 days of official incorporation.

The city or county receiving such AB 2766 funds is required to deposit them into an air quality improvement trust fund for expenditures to reduce air pollution from motor vehicles, pursuant to H&S Code 44243(b)(1)(c). Fund recipients complete and submit an annual report to the South Coast AQMD identifying the revenues received, project expenditures, emissions reduced, and cost-effectiveness of each project implemented during the preceding fiscal reporting cycle.

South Coast AQMD staff provides technical assistance and project eligibility guidance to fund recipients according to AB 2766 criteria and guidelines established by the California Air Resource Board (CARB). Staff receives, reviews, evaluates and “accepts” the AB 2766 reports submitted; however, South Coast AQMD has not been given specific authority to “approve” or “disapprove” a local government’s use of AB 2766 funds, H&S Code 44243(b)(1). Audit requirements of H&S Code Sections 44244.1 *et seq.* specify required actions for fund recipients based upon local government’s adherence to program guidelines. Audit determinations confirming that recipients have expended revenues contrary to statute or which will not result in the reduction of pollution from motor vehicles, will have the opportunity to refund the program or shall upon required public hearing(s), result in the inappropriate expense amount being withheld from future revenue distribution and then redistributed among the remaining recipients. A local government can also request to have future funds withheld without going through a public hearing process. Local jurisdictions are encouraged to pre-designate funds for specific projects that may be implemented in the future.

AB 2766 financial and project reporting from local governments occurs cyclically following notification from South Coast AQMD that the program tools are available. As the implementing agency, South Coast AQMD coordinates the update of program resources with CARB to facilitate local government report submittals.

Due to a reprioritization of CARB’s AB 2766 program resources as well as staff turnover at South Coast AQMD, the FY 2016-17 Annual Report was adopted by South Coast AQMD on March 1, 2019, which is later than usual. To improve the efficiency of these annual reports, CARB and South Coast AQMD has agreed to a Memorandum of Understanding on July 31, 2019 that would enable South Coast AQMD

to directly manage the reporting process and submit the relevant data to CARB in a more timely fashion. Staff has begun assessing the current submission process to streamline it using modern software tools to be ready for future submissions.

South Coast AQMD's AB 2766 Annual Report is forwarded to CARB after approval by the South Coast AQMD Governing Board.

### **III. PROGRAM GUIDANCE**

#### **Purpose**

As directed by the Governing Board in 1998, the South Coast AQMD's AB 2766 staff serves as a resource to cities and counties by providing guidance in project identification, development, quantification, and reporting. Special emphasis is placed on the selection of cost-effective, quantifiable mobile source emission reduction projects that meet the needs of the local jurisdiction and that advance the objectives of the AQMP.

An AB 2766 Subvention Fund Program Resource Guide (Resource Guide), developed by the South Coast AQMD, is available to provide assistance in identifying projects that are eligible for AB 2766 funding. The Resource Guide outlines project eligibility requirements, provides program updates, policies, and guidelines to assist local jurisdictions that receive AB 2766 funds. Project descriptions and examples provided in the Resource Guide are consistent with CARB's Criteria and Guidelines for the Use of Motor Vehicle Registration Fees, which focuses on strategies that directly reduce mobile source emissions.

#### **Activities**

South Coast AQMD staff reviews the AB 2766 program data and collaborates with CARB staff on ways to improve the process for local governments to report their AB 2766 funded project results. South Coast AQMD staff conducts technical training sessions for local government and Councils of Government (COG) representatives to provide an overview of program updates, guidelines, policies, and responds to inquiries related to local projects/programs.

Staff conducted fifteen (15) AB 2766 technical training sessions and open office hours during the months of March and April, 2019, at which 96 local government representatives attended on behalf of 71 subvention fund recipient jurisdictions. Training included an overview of the program's authorizing legislation; prior year project reporting; emission reductions and financial summaries; as well as a detailed review of program guidelines developed by CARB and South Coast AQMD. Expenditure limitations, preferred projects that provide quantifiable, cost-effective emission reductions, common reporting errors, and administrative tips were of key focus during the trainings. Requirements related to the financial administration of AB 2766 dollars were reviewed in detail, with emphasis on fund accounting and auditing guidelines. The training sessions also included information from the Mobile Source Air Pollution Reduction Review Committee (MSRC) staff on potential future funding opportunities for jurisdictions to leverage with their received subvention funds.

During a component of training, staff guided attendees through project categories and instructed local government representatives on how to identify and input applicable emission factors, as well as other project variables required for calculation of emission reductions and cost effectiveness. Training also included detailed instructions on the AB 2766 OnBase process that local governments use to submit their subvention fund reports to the South Coast AQMD. Local governments access the OnBase system using customized logins and passwords, download and complete the current year Microsoft Access reporting file, and directly upload their completed AB 2766 Annual Reports. This system automatically notifies the transmitting entity, via email, of the status of the Annual Report transmission. In addition to the direct uploading of AB 2766 Annual Reports, the system allows local jurisdictions to monitor the status of South Coast AQMD's review (pending, questions, or accepted). The OnBase system also has a feature which gives local governments' access to their previously submitted reports. Use of the OnBase system fosters enhanced AB 2766 program efficiency, time savings, as well as record retention and accessibility for South Coast AQMD staff and participating local jurisdictions.

On an on-going basis, South Coast AQMD staff assists local governments with project/program selection, emission reduction calculations and guidance on use of the Access reporting file for future project planning. As an additional support for fund recipients, South Coast AQMD staff developed AB 2766 Access File Instructions to assist local governments in completing their AB 2766 Annual Reports via Microsoft Access. The Access File Instructions Guide is a tool intended to assist local governments in accurately reporting their projects/programs implemented with AB 2766 funds. It also informs local jurisdictions of eligible, quantifiable, cost-effective projects that yield direct mobile source emission reductions.

South Coast AQMD staff has received and evaluated the FY 2017-18 Annual Reports submitted by the 162 participating local jurisdictions. The results are summarized in the Program Data section of this report.

## **Local Government Coordination**

Local governments may contribute a portion of their AB 2766 subvention funds to their respective COGs in an effort to pool resources for implementation of eligible projects. In expending these funds, COGs must adhere to the same project eligibility requirements and guidelines as recipient jurisdictions when implementing air quality projects funded by AB 2766 dollars. For monitoring purposes, COGs are asked to provide summary reports to their member cities as well as to the South Coast AQMD, including descriptions of AB 2766 projects along with funding amounts. COG summary reports should align with local jurisdiction reporting to South Coast AQMD. Table 1 provides a summary of the projects and programs implemented by COGs using AB 2766 funds received from their member cities.

**Table 1**  
**Summary of COG Activities**

COG Name	Expenditure Amount*	Project Description**
Coachella Valley	\$339,834	Regional PM Street Sweeping Program using alternative fuel equipment to sweep approximately 23,178 curb miles to remove roadway dust.
Western Riverside	\$91,000	Clean Cities Coalition activities/outreach promoting emission reductions from motor vehicles through alternative fuel and advanced technology vehicles; AQMP Outreach and Western Riverside County Active Transportation Plan development.
Gateway Cities	\$65,536	Development of the Air Quality/Active Transportation elements of the Gateway Cities Strategic Transportation Plan (STP).

\*Expenditure amounts as reported by COG member cities.

\*\*Project descriptions as reported by the COG.

## IV. PROGRAM DATA

### Project Categories

The Resource Guide summarizes CARB’s fund usage criteria and identifies appropriate strategies that, through careful planning and design, will cost effectively and efficiently reduce emissions from mobile sources. The following list identifies eleven AB 2766 Project Categories and provides examples of projects that meet the criteria and guidelines established by CARB:

1. **Alternative Fuels/Electric Vehicles** – Purchasing/leasing alternative fuel vehicles (automobiles, vans, shuttles or buses) powered by compressed natural gas, propane, full non-diesel hybrids that meet specific CARB certification standards, as well as fuel cell and electric vehicles. Projects that assist local jurisdictions with fleet conversions or repowering from conventional gas to an alternative fuel engine. Installation of alternative fuel and electric charging infrastructure that supports the use of alternative fuel and electric vehicles; and, purchasing alternative fuel or electricity for up to three years after vehicle purchase.
  
2. **Vehicle Emissions Abatement** – Purchasing/leasing cleaner diesel engines when alternative fuel engines are not available; repowering of heavy-duty trucks with cleaner engines. Installation of particulate trap retrofits for engines; retirement and replacement of dirty off-road engines with newer, cleaner engines. Participation in a certified Vehicle Scrapping Program. Purchasing/leasing of electric ride-on commercial lawn mowers.
  
3. **Land Use** - Planning, designing, and constructing/installing facilities that discourage and decrease the use of automobiles. Providing adequate or expanding existing pedestrian facilities that make it easier for people to walk, bicycle, or use public transit. Developing Air

Quality Action Plans, Strategic Transportation Plans or an Air Quality Element of a General Plan. Funding CEQA related studies that will identify surplus mobile source mitigation measures or project alternatives resulting in reduced emissions. However, funding is not to be used to replace funds otherwise available to perform CEQA related activities.

4. **Public Transportation** – Introducing, marketing or implementing new or extended transit services or rail feeder operations. Constructing, installing or enhancing public transportation facilities designed to provide new or extended services or to increase passenger safety. Installing equipment that contains public transit information and fare subsidies. Providing transit fare discounts and subsidies.
5. **Traffic Management and Signal Coordination** – Implementing projects/programs that monitor and control travel conditions. Installing corridor signal synchronization systems; design and installation of pedestrian islands, turning lanes, pedestrian traffic controls and/or changeable message signs that reduce idling and improve traffic flow. Mobilization of freeway tow truck services.
6. **Transportation Demand Management (TDM)** – Implementing projects that reduce the demand for automobile use by encouraging behavioral changes regarding travel modes, i.e., encourage carpooling, vanpooling, biking, walking, use of public transit, telecommuting, or implementation of compressed work week schedules. Designing, developing, and implementing programs that focus on reducing trips to special event centers or other attractions; creation and enhancement of Park and Ride facilities.
7. **Market Based Strategies** – Developing and implementing incentives and disincentives that encourage behavioral changes resulting in emission reductions; introduction of user fees or congestion charges to encourage behavioral changes for consumers to use less congesting or less polluting forms of transportation; implementation of Parking Cash-out Programs.
8. **Bicycles** – Implementing projects that encourage the use of bicycles by employees and residents; bike share and/or purchasing programs, bike loan programs (motorized and standard) for police officers, community members, and the general public. Designing, developing and/or installing bike lanes, paths and bikeways or establishing new bicycle corridors physically separated from motor vehicle traffic; making bicycle facility enhancements/improvements by installing bicycle lockers, bike signals or bus bike racks.
9. **PM Reduction Strategies** – Implementing measures that reduce or prevent deposits of dust and other materials from build-up on roadway surfaces such as paving of dirt roads and shoulders; purchasing/leasing South Coast AQMD Rule 1186.1 compliant street sweepers.
10. **Public Education** – Long-term/short-term, routine, regularly scheduled, intermittent or frequent information brochures, videos, printed materials that provide a focused message which targets behavioral changes resulting in mobile source emission reductions and reduced reliance on motor vehicles. Marketing of demonstration or pilot projects, coordinating promotional events or programs to educate schools or the public about transportation alternatives, and the relationship between motor vehicles and air pollution.

11. **Miscellaneous Projects** – Designing, developing and/or implementing projects or programs that reduce mobile source emissions, but are not specifically listed or identified in the AB 2766 Resource Guide. Projects that result in emission reductions, but use a manual or alternative CARB-approved methodology. Specific details on the type of project being implemented, cost-effectiveness and emission reductions achieved as well as data/explanation on the CARB-approved methodology used in the calculations/analysis must be provided and deemed acceptable.

**NOTE:** *Research and Development (R&D) projects are allowable AB 2766 expenditures. However, the expenditure(s) must not exceed 10% of the AB 2766 funds received for the reporting cycle. Funds used for Public Education and CEQA related studies must also adhere to the 10% expenditure threshold.*

## **Project Funding & Quantification**

A financial summary of funds spent by local governments in the SCAB region during FY 2017-18 is provided in Table 2, and the financial summary for the last five reporting cycle is shown in Table 3. Local governments have the ability to carry over fund balances indefinitely, which allows them the flexibility to accumulate funding for future projects or to secure additional co-funding. In FY 2017-18, local governments spent less subvention funds on mobile source emission reduction projects (\$19.0 million) than the amount received (\$21.8 million), but increased in project spending compared to the last reporting cycle (\$17.7 million) as shown in Table 3. They spent 24% of their combined beginning balance and MV fees received (\$79.4 million) in FY 2017-18, which is a slight increase from what occurred in FY 2016-17, when cities and counties spent 23% of the total beginning balances and MV fees received (\$75.3 million). Cities are continuing to pre-designate a larger amount of funds than in previous years which indicates an awareness of the need to accumulate funds in the 2017-18 fiscal year for future program and technology investments.

Table 2 and 3 show that of the \$60.4 million ending balance reported by local governments in FY 2017-18, approximately \$51.3 million, or 85%, of the ending balance was pre-designated for future projects. This is equal to the amount pre-designated in FY 2016-17, and is higher than in FY 2015-16 (70%) and FY 2014-15 (66%) for the region.

Table 3 shows that as reported by recipient jurisdictions, the motor vehicle funds being subvented to local governments has decreased, from \$22.6 million in FY 2016-17 to \$21.8 million in this reporting cycle. However, local governments spent a higher percentage (87% or \$19.0 million) of the funds received on AB 2766 projects compared to the prior reporting cycle (78% or \$17.6 million). Pre-designation of funds for planning purposes remain higher historically than in previous reporting cycles. With emphasis from South Coast AQMD's AB 2766 staff, local jurisdictions are showing a better understanding of the need for pre-designating funds to help better plan for policy and project implementation that meet local needs while advancing regional air quality goals.



**Table 2**  
**Motor Vehicle (MV) Funds Financial Summary**  
**(As Reported by Local Jurisdictions)**

<b>County</b>	<b>Beginning Balance</b>	<b>MV Fees Received</b>	<b>Project Spending</b>	<b>Ending Balance<sup>1</sup></b>	<b>Pre-designated Funds</b>	<b>Funds Remaining</b>
<b>Los Angeles</b>	\$30,661,422	\$12,691,597	\$10,748,286	\$32,590,704	\$27,964,327	\$4,626,377
<b>Orange</b>	\$13,410,989	\$4,081,195	\$3,927,242	\$13,611,109	\$10,963,984	\$2,647,125
<b>Riverside</b>	\$5,921,933	\$2,953,131	\$2,439,781	\$6,441,593	\$5,674,253	\$767,340
<b>San Bernardino</b>	\$7,586,828	\$2,047,626	\$1,855,130	\$7,781,432	\$6,722,231	\$1,059,201
<b>Totals*</b>	<b>\$57,581,172</b>	<b>\$21,773,549</b>	<b>\$18,970,439</b>	<b>\$60,424,838</b>	<b>\$51,324,794</b>	<b>\$9,100,044</b>

\*Totals may vary due to rounding.

**Table 3**  
**History of Motor Vehicle Funds Financial Summary**

<b>Fiscal Year</b>	<b>Beginning Balance</b>	<b>MV Fees Received</b>	<b>Project Spending</b>	<b>Ending Balance</b>	<b>Pre-designated Funds</b>	<b>Funds Remaining</b>
<b>2013-14</b>	\$42,292,200	\$20,295,100	\$19,783,800	\$42,803,400	\$29,534,600	\$13,268,800
<b>2014-15</b>	\$43,512,253	\$21,738,605	\$16,965,994	\$48,250,812	\$31,831,121	\$16,419,691
<b>2015-16</b>	\$45,783,106	\$22,099,037	\$19,163,200	\$48,821,026	\$33,967,602	\$14,853,424
<b>2016-17</b>	\$52,723,319	\$22,565,779	\$17,655,513	\$57,629,828	\$49,270,416	\$8,359,412
<b>2017-18</b>	<b>\$57,581,172</b>	<b>\$21,773,549</b>	<b>\$18,970,439</b>	<b>\$60,424,838</b>	<b>\$51,324,794</b>	<b>\$9,100,043</b>

Table 4 identifies, by county, the number of projects funded by local governments, as well as the number and percentages of projects with quantified emission reductions achieved during FY 2017-18. Los Angeles County has the majority of the cities in the South Coast Air Basin and therefore funded the largest number of AB 2766 projects in the program (180). Orange County had the second highest number of projects funded (89), followed by Riverside County (51) and San Bernardino (38). For this reporting cycle, San Bernardino County has yielded the highest percentage (76%) of quantified projects.

<sup>1</sup> The Ending Balance represents the Beginning Balance and MV Fees Received, minus Project Spending. Interest Earned and Administrative Costs are incorporated. Interest Earned and Administrative Costs are fully detailed in Appendix B.

**Table 4**  
**Local Government Project Reporting and Emission Reduction Quantification**

<b>County</b>	<b>Number of Local Governments Reporting</b>	<b>Number of Projects Funded</b>	<b>Number of Projects with Emission Reductions Quantified</b>	<b>Percent of Projects with Emission Reductions Quantified</b>
<b>Los Angeles</b>	82	180	119	66%
<b>Orange</b>	35	89	57	64%
<b>Riverside</b>	28	51	30	59%
<b>San Bernardino</b>	17	38	29	76%
<b>Totals</b>	<b>162</b>	<b>358</b>	<b>234</b>	<b>66%</b>

Table 5 shows the number of projects with emission reduction quantified over the last five reporting cycles. Overall project quantifications is consistently above 60%. The FY 2017-18 report shows 234 projects with emission reductions quantified, which is an increase from the 220 projects quantified in FY 2016-17. Due to the increase in pre-designated funds in general, and the specific projects described in the cities' pre-designated fund descriptions, it is anticipated that the majority of subvention fund projects in the next reporting cycle will have quantified emission reductions.

Every year, CARB updates and provides the District emission reduction calculation methodologies, along with the corresponding emission factors for some of the most widely implemented transportation projects funded through this program. The annual emission reductions, as well as the cost-effectiveness of the projects, are calculated based on those emission factors and local government reporting of project spending. Emission reductions from several types of projects are difficult to quantify or cannot be quantified, such as research and development and infrastructure projects, as well as Public Education and Outreach programs, therefore CARB has not adopted methodologies for those projects.

**Table 5**  
**Project Quantification History**

<b>Year</b>	<b>Number of Projects</b>	<b>Projects with Emission Reductions Quantified</b>	<b>Percent of Projects Quantified</b>	<b>Percent of Expenditures Quantified</b>
<b>FY 2013-14</b>	353	222	63%	67%
<b>FY 2014-15</b>	368	229	62%	64%
<b>FY 2015-16</b>	395	261	66%	73%
<b>FY 2016-17</b>	359	220	61%	66%
<b>FY 2017-18</b>	<b>358</b>	<b>234</b>	<b>66%</b>	<b>69%</b>

Table 6 shows the FY 2017-18 expenditures made in nine of the eleven AB 2766 project categories. There were no projects reported in the Market Based Strategies project category, as has been the case since FY 2006-07, nor any projects in the Vehicle Emission Abatement category in this reporting cycle. Table 6 displays expenditures by category, sorted from the highest to the least in local government spending. The two highest spending categories are the Alternative Fuels/Electric Vehicles and Transportation Demand Management categories, which together represents 58% or about \$11.0 million of the \$19.0 million program expenditures. A significant amount of these funds were spent towards purchasing/leasing of alternative fuel/electric vehicles, installation of supporting alternative fuel infrastructure, and implementation of employer-based trip reduction programs.

**Table 6**  
**Expenditures by Project Category**

<b>Project Category</b>	<b>Project Spending*</b>	<b>Percent of Spending*</b>	<b># of Projects</b>
Alternative Fuels/Electric Vehicles	\$ 6,753,587	36%	100
Transportation Demand Management	\$ 4,314,762	23%	62
Traffic Management	\$ 2,154,721	11%	45
Miscellaneous Projects	\$ 1,893,127	10%	44
Land Use	\$ 1,050,910	6%	20
Public Transportation (Transit & Rail)	\$ 967,616	5%	29
PM Reduction Strategies	\$ 859,712	5%	18
Bicycles	\$ 793,721	4%	31
Public Education	\$ 182,282	1%	9
<b>Totals*</b>	<b>\$ 18,970,439</b>	<b>100%</b>	<b>358</b>

\* Totals may vary due to rounding.

### **Emission Reductions & Cost-Effectiveness**

Table 7 summarizes, by county, the number of projects funded, project spending, and the emission reductions achieved. Local governments in Los Angeles County reported the vast majority of project spending, \$10.7 million, and also achieved the majority of annual emission reductions, 45 tons. During FY 2017-18, a total of 98 tons of emissions were reduced in the SCAB by projects funded with AB 2766 Subvention money.

**Table 7**  
**AB 2766 Project Spending and Emissions Reduced**

County	No. of Projects Funded	Project Spending	Emissions Reduced <sup>2</sup> (Tons/Year)				
			ROG	NOx	PM 10	CO/7	Totals*
<b>Los Angeles</b>	180	\$10,748,286	10	14	6	15	<b>45</b>
<b>Orange</b>	89	\$3,927,242	4	10	3	6	<b>23</b>
<b>Riverside</b>	51	\$2,439,781	6	7	2	9	<b>24</b>
<b>San Bernardino</b>	38	\$1,855,130	1	1	1	2	<b>5</b>
<b>Totals*</b>	<b>358</b>	<b>\$18,970,439</b>	<b>22</b>	<b>32</b>	<b>12</b>	<b>31</b>	<b>98</b>

\* Totals may vary due to rounding.

Table 8 provides emission reduction and cost-effectiveness information for AB 2766 project categories. The table is ranked by the category with the largest amount of emissions reduced; and displays the number of projects, number of projects with emission reduction quantified, and the percentage of projects quantified in each category. The last column in Table 8 identifies the total Air Funds cost-effectiveness (dollar per pound) of emissions reduced. The “Air Funds” consist of the Motor Vehicle Fees and, if applicable, funding from the state Carl Moyer Fund Program and the Mobile Source Air Pollution Reduction Review Committee (MSRC) funding pursuant to CARB’s methodology.

In this reporting cycle, the Transportation Demand Management project category represents 57% of all of the emissions reduced for a total of 110,920 pounds of emissions. This category includes trip reduction subsidies for employees of reporting jurisdictions that receive AB 2766 funds, as well as subsidies for residents who meet their city program requirements.

The Traffic Management category accounts for 10% of the emission reductions, for a total of 19,520 pounds of emissions. This category includes traffic signal synchronization, signal installation, and software updates. The Miscellaneous category reduced 19,340 pounds of emissions and includes local jurisdiction compliance costs associated with South Coast AQMD Rule 2202 as well as projects that are not described under the other project categories.

The cost-effectiveness of all project categories, as shown in Table 8, range from \$1.79 - \$81.71 per pound of emissions reduced. The overall total average cost-effectiveness was computed as \$34.64 per pound of emissions reduced.

AB 2766 staff are continuing to provide technical support and program outreach, helping recipient jurisdictions to implement cost-effective and quantifiable emission reduction projects that meet immediate agency needs, while working toward achievement of longer-term AQMP objectives. Local governments are also encouraged to seek and create opportunities to coordinate with neighboring cities, jurisdictions, and COGs to implement projects that will result in shared, mutual emission reduction benefits, while potentially pooling costs and resources. Pre-designation of funds for future project

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<sup>2</sup> Emissions reduced account for total reductions (VOC, NOx, PM<sub>2.5</sub> and CO/7) from Air Fund expenditures. Air Funds consist of the Motor Vehicle Fees and funding from both the state Carl Moyer Program and the AB 2766 Discretionary Fund. See Attachment B: Average Cost-Effectiveness by Project.

implementation is helping Program Administrators better understand the importance of long-term project planning.

**Table 8**  
**Emissions Reduced and Cost-Effectiveness by Project Category**

<b>Project Category</b>	<b>Number of Projects</b>	<b>Number of Projects Quantified</b>	<b>Percent of Projects Quantified</b>	<b>Emissions Reduced<sup>3</sup> (lbs./yr.)</b>	<b>Emission Reduced<sup>4</sup> (tons/yr.)</b>	<b>Air Funds Cost-Effectiveness<sup>5</sup> (\$/lb.)</b>
Transportation Demand Management	62	57	92%	110,920	55	\$33.51
Traffic Management	45	28	62%	19,520	10	\$19.83
Miscellaneous Projects	44	8	18%	19,340	10	\$19.40
Alternative Fuels/Electric Vehicles	100	78	78%	15,410	8	\$50.63
Public Transportation (Transit & Rail)	29	25	86%	13,972	7	\$66.59
PM Reduction Strategies	18	16	89%	12,698	6	\$37.00
Land Use	20	2	10%	2,179	1	\$1.79
Bicycles	31	20	65%	1,213	1	\$81.71
Public Education	9	1	11%	63	0	\$42.29
<b>Totals*</b>	<b>358</b>	<b>234</b>	<b>66%</b>	<b>195,321</b>	<b>98</b>	<b>\$34.64</b>

\*Totals may vary due to rounding.

The history of the AB 2766 Program’s emission reductions and cost-effectiveness is shown in Table 9. The average cost-effectiveness figure is determined by dividing the Amortized Air Fund dollar amount, which is associated with quantified projects, by the total amount of emission reductions. Emissions calculations are based on the most recently approved emission factors.

Previous staff reports described a higher level of emissions reduction attained. This changed in 2018, when district staff reevaluated the longstanding emission reduction calculation methodology previously approved by CARB for calculating emission reductions from the Automatic Traffic Surveillance (ATSAC) project implemented by the City of Los Angeles. The ATSAC Project is a complex signal synchronization system in place throughout the city that automatically responds to changing traffic conditions and improves traffic flow. This project was believed to be responsible for approximately 91% of the total emissions reduced each year in the entire AB 2766 program. As reported in the FY16-17 staff report, the ATSAC Project was reassessed by the City of Los Angeles and District Staff to more accurately measure emission reductions, account for cleaner vehicles currently on the road, and minimize assumptions. ATSAC is now using the same methodology for traffic calming as other cities in the region.

3 Emissions reduced account for total reductions (VOC, NOx, PM<sub>2.5</sub> and CO/7) from the state Carl Moyer Program and the AB 2766 Discretionary Fund. See Attachment B: Average Cost-Effectiveness by Project.

4 Emissions reduced (tons/year) is determined by dividing by 2,000 lbs. Totals may vary slightly due to rounding.

5 Cost-effectiveness is determined by multiplying default capital recovery factors (amortized formula reflecting project life and discount rate) by total funds, then dividing those annualized funds by annual emission reductions. See Attachment B: Average Cost-Effectiveness by Project.

The updated methodology more accurately reflects ATSAC’s emission reductions. Under the old methodology, ATSAC was believed to reduce approximately 10 million pounds of emission each year. In this reporting cycle, the new methodology reduced 4,289 pounds of emissions. Although the new methodology shows a major decline in emission reductions, District staff believes that it better reflects real-time traffic conditions and will better guide policy and project decision-making in the future.

Table 9 shows the history of the AB 2766 program after adjusting for the new ATSAC methodology. The 98 tons of emissions reduced in this reporting cycle is a 27% decline from the 134 tons reported in FY 2016-17. This continues a downward trend since FY 2014-15, and reflects a general decrease in emissions from vehicles in the state inventory as a result of improving vehicle emission standards and fleet turnover.

Another reason for the decline in emission reductions in this program cycle are the unique cases wherein a number of jurisdictions encumbered vehicle purchases late in the fiscal year. Vehicles purchased late in the fiscal year result in low reported mileage for those vehicles which decreases the total emissions reduced in those projects and consequently increases their cost-effectiveness, and an unusual number of jurisdictions reported late fiscal year purchases. Similarly, several jurisdictions have created new and expanded shuttle services that are either seasonal, event-related, or serve a limited constituency, and subsequently display low ridership or limited operating days. Both of these types of projects have resulted in higher cost-effectiveness due to limited reported mileage or trip reductions from those vehicles. By removing the Alternative Fuel Vehicle Purchase and the Transit Operations subcategories, the overall cost-effectiveness of the remaining projects is \$29.86 per pound of emission.

**Table 9**  
**History of Emissions Reduced and Cost-Effectiveness**

<b>Fiscal Year</b>	<b>Emissions Reduced* (lbs./yr.)</b>	<b>Emissions Reduced* (tons/yr.)</b>	<b>Cost-Effectiveness** (\$/lb.)</b>	<b>Cost-Effectiveness** (\$/ton)</b>
<b>FY 2013-14</b>	770,000	385	\$12.36	\$24,717
<b>FY 2014-15</b>	932,000	466	\$8.91	\$17,821
<b>FY 2015-16</b>	814,000	407	\$11.87	\$23,750
<b>FY 2016-17</b>	267,000	134	\$26.24	\$52,482
<b>FY 2017-18</b>	<b>195,000</b>	<b>98</b>	<b>\$34.64</b>	<b>\$69,276</b>

\*Emission reductions determined by the EMFAC emissions model in effect for the year specified.

\*\*In current 2018 dollars.

Table 10 shows the project subcategories with the highest Motor Vehicle Fee funding allocations within each project category. Each project category is comprised of subcategories for the purpose of emission reduction quantification. Historically and for this reporting cycle, the two project subcategories with the highest expenditures have been Alternative Fuel Vehicle Purchases and Employer Based Trip Reductions. Combined, the total expenditures for these top two subcategories is approximately \$8.1 million. This amount represents 42.7% of the \$19.0 million MV fees spent on mobile source projects during FY 2017-18.

**Table 10**  
**Project Subcategories with Highest Funding Allocations**

<b>Project Category (# of Projects)</b>	<b>Project Subcategory (# of Projects)</b>	<b>Project Subcategory Expenditures</b>	<b>Percent of Project Category Expenditures*</b>
Alternative Fuels/Electric Vehicles (100)	Alternative Fuel Vehicle Purchase (54)	\$4,903,661	73%
Transportation Demand Management (62)	Employer-Based Trip Reduction (51)	\$3,200,759	74%
Miscellaneous Projects (44)	Miscellaneous (44)	\$1,893,127	100%
Traffic Management (45)	Traffic Flow or Signalization (39)	\$1,806,834	84%
PM Reduction Strategies (18)	Road Dust Control (18)	\$859,712	100%
Public Transportation (Transit & Rail) (29)	Transit Operations (13)	\$635,953	66%
Land Use (20)	Plan Element (10)	\$529,033	50%
Bicycles (31)	Bicycle Lanes and Trails (13)	\$368,176	46%
Public Education (9)	Short Term PE (8)	\$176,733	97%

\*Project Category Expenditures shown in Table 6.

**V. PROGRAM OUTREACH**

The following information summarizes future program outreach goals to be accomplished by South Coast AQMD staff:

**Local Government Leadership**

- Continue to provide written and electronic notification of fund balances and fund match/leverage opportunities to local government officials and staff.
- Encourage local government policy makers to provide leadership and establish partnerships in the program decision-making process.
- Work directly with cities to implement quantifiable, cost-effective mobile source emission reduction projects. Staff will meet with and maintain an open, ongoing dialogue with city mayors, city managers, and other local government staff, and will support their efforts to educate their elected officials on the value of the subvention fund program.
- Collaborate with District LPAM and MSRC staff to coordinate outreach activities, align project and policy goals, and maximize fund matching and leveraging opportunities for local governments.

## **Local Government Staff**

- Develop new resources or enhance existing program tools that will assist local governments with identifying, monitoring and reporting eligible AB 2766 projects and programs, such as:
  - 1) Updating the Resource Guide
  - 2) Updating Access File Instructions
  - 3) Enhancing Marketing Materials (pamphlets, fact sheets, etc.)
- Encourage fund leveraging and pre-designation of funds for future quantifiable project implementation
- Act as an intermediary between District and city staffs, COG representatives and local government leadership to streamline project and policy development.
- Maintain an outreach presence through meetings with local governments' AB 2766 administrators as a means to:
  - 1) Provide technical guidance on program changes and legal constraints of AB 2766 spending;
  - 2) Provide technical hands-on assistance with calculating, tracking and reporting on projects that will yield quantifiable emission reductions;
  - 3) Provide a list of eligible, preferred projects, as well as encourage pre-designating funds for future projects;
  - 4) And provide training on the automated reporting and submittal processes.
- Encourage all AB 2766 administrators to attend the annual AB 2766 training sessions to learn about AB 2766 software submittal procedures, as well as updates, changes and/or modifications to the AB 2766 Program.

## **Councils of Government**

- Coordinate with COG staff to ensure accurate program reporting on project activities funded with AB 2766 funds received from their member cities and counties. Emphasis will continue to be placed on the importance of ensuring that projects funded by COGs adhere to the AB 2766 guidelines and criteria established by CARB.
- Respond to feedback from local governments and their respective COGs on various AB 2766 program matters, including the annual reporting process, and the use of subvention funds allocated towards COG sponsored projects.
- Host specialized training sessions for COG staff and member jurisdictions on project coordination and annual reporting requirements.



## **CARB Collaboration**

- Create and manage a new reporting process for South Coast Air District fund recipients, with oversight from CARB as outlined in the Memorandum of Understanding agreed upon July 31, 2019, for the collection of fund expenditures, project implementation, emission reductions, cost effectiveness, and other relevant data;
- Coordinate with CARB to efficiently organize and transmit the annual reporting file in a manner that meets statutory requirements and provides reporting jurisdictions with reliability and continuity of file submittal;
- Continue to collaborate with CARB to effectively communicate program and financial reports and receive updated emission factors and program direction.

**ATTACHMENT A**  
**Eligible Cities and Counties (FY 2017-18)**

## Eligible Cities and Counties (FY 2017-18)

<b>Los Angeles County</b>	<b>Los Angeles County (cont'd)</b>	<b>Orange County</b>	<b>Riverside County</b>	<b>San Bernardino County</b>
Agoura Hills	La Verne	Aliso Viejo	Banning	Big Bear Lake
Alhambra	Lakewood	Anaheim	Beaumont	Chino
Arcadia	Long Beach	Brea	Calimesa	Chino Hills
Artesia	Lomita	Buena Park	Canyon Lake	Colton
Azusa	City of Los Angeles	Costa Mesa	Cathedral City	Fontana
Baldwin Park	Lynwood	Cypress	Coachella	Grand Terrace
Bell	Malibu	Dana Point	Corona	Highland
Bell Gardens	Manhattan Beach	Fountain Valley	Desert Hot Springs	Loma Linda
Bellflower	Maywood	Fullerton	Eastvale	Montclair
Beverly Hills	Monrovia	Garden Grove	Hemet	Ontario
Burbank	Montebello	Huntington Beach	Indian Wells	Rancho Cucamonga
Carson	Monterey Park	Irvine	Indio	Redlands
Calabasas	Norwalk	La Habra	Jurupa Valley	Rialto
Cerritos	Palos Verdes	La Palma	Lake Elsinore	San Bernardino
Claremont	Paramount	Laguna Beach	La Quinta	City of San Bernardino
Commerce	Pasadena	Laguna Hills	Menifee	Upland
Compton	Pico Rivera	Laguna Niguel	Moreno Valley	Yucaipa
Covina	Pomona	Laguna Woods	Murrieta	
Cudahy	Rancho Palos Verdes	Lake Forest	Norco	
Culver City	Redondo Beach	Los Alamitos	Palm Desert	
Diamond Bar	Rolling Hills Estates	Mission Viejo	Palm Springs	
Downey	Rosemead	Newport Beach	Perris	
Duarte	San Dimas	Orange	Rancho Mirage	
El Monte	San Fernando	County of Orange	Riverside	
El Segundo	San Gabriel	Placentia	County of Riverside	
Gardena	San Marino	Rancho Santa Margarita	San Jacinto	
Glendale	Santa Clarita	San Clemente	Temecula	
Glendora	Santa Monica	San Juan Capistrano	Wildomar	
Hawaiian Gardens	Santa Fe Springs	Santa Ana		
Hawthorne	Sierra Madre	Seal Beach		
Hermosa Beach	Signal Hill	Stanton		
Hidden Hills	South El Monte	Tustin		
Huntington Park	South Gate	Villa Park		
Inglewood	South Pasadena	Westminster		
Irwindale	Torrance	Yorba Linda		
La Canada Flintridge	Temple City			
La Habra Heights	Walnut			
La Mirada	West Covina			
La Puente	West Hollywood			
Los Angeles County	Westlake Village			
Lawndale	Whittier			
<b>Total Eligible Governments = 162</b>	<b>Los Angeles = 82</b>	<b>Orange = 35</b>	<b>Riverside = 28</b>	<b>San Bernardino = 17</b>

**ATTACHMENT B**

**FY 2017-18 AB 2766 Subvention Fund Program Reports**

## South Coast Cities and Counties Financial Summary of Motor Vehicle Funds

Fiscal Year 2017 - 2018

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
<i>Los Angeles</i>									
	Agoura Hills	\$49,492	\$26,820	\$505	\$76,817	\$37,461	\$1,416	\$37,940	\$35,000
	Alhambra	\$298,828	\$108,895	\$31,896	\$439,619	\$314,209	\$0	\$125,410	\$95,000
	Arcadia	\$130,563	\$73,535	\$382	\$204,480	\$108,933	\$0	\$95,547	\$90,000
	Artesia	\$104,308	\$21,420	\$1,688	\$127,416	\$10,825	\$1,338	\$115,254	\$115,254
	Azusa	\$151,183	\$63,754	\$2,251	\$217,188	\$34,486	\$0	\$182,702	\$159,000
	Baldwin Park	\$571,289	\$96,874	\$2,219	\$670,382	\$135,508	\$0	\$534,874	\$402,000
	Bell	\$126,257	\$46,595	\$488	\$173,340	\$0	\$0	\$173,340	\$125,635
	Bell Gardens	\$229,917	\$52,564	\$2,435	\$284,916	\$54,170	\$0	\$230,746	\$230,746
	Bellflower	\$310,033	\$98,313	\$4,593	\$412,939	\$97,324	\$0	\$315,615	\$315,615
	Beverly Hills	\$421,257	\$44,331	\$5,756	\$471,344	\$0	\$0	\$471,344	\$405,000
	Burbank	\$321,150	\$134,952	\$274	\$456,375	\$56,407	\$0	\$399,968	\$366,887
	Calabasas	\$97,195	\$30,911	\$993	\$129,099	\$42,676	\$0	\$86,423	\$86,423
	Carson	\$423,250	\$120,356	\$1,982	\$545,588	\$29,132	\$3,000	\$513,456	\$325,000
	Cerritos	\$463,815	\$63,676	\$6,289	\$533,780	\$26,110	\$0	\$507,670	\$507,670
	Claremont	\$150,464	\$46,360	\$2,333	\$199,157	\$20,278	\$0	\$178,880	\$150,464
	Commerce	\$0	\$16,599	\$78	\$16,678	\$16,599	\$0	\$79	\$0
	Compton	\$378,782	\$125,643	\$0	\$504,425	\$20,738	\$8,189	\$475,499	\$475,499
	County of LA	\$3,794,721	\$1,346,352	\$50,503	\$5,191,576	\$772,285	\$0	\$4,419,291	\$4,343,000
	Covina	\$169,801	\$62,789	\$1,772	\$234,363	\$45,606	\$2,270	\$186,487	\$186,487
	Cudahy	\$96,393	\$31,179	\$812	\$128,384	\$1,625	\$0	\$126,759	\$126,000
	Culver City	\$190,118	\$51,343	\$9	\$241,470	\$42,928	\$0	\$198,541	\$200,295
	Diamond Bar	\$184,074	\$73,140	\$1,782	\$258,995	\$119,705	\$0	\$139,290	\$139,000

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
Downey		\$431,483	\$146,258	\$2,265	\$580,006	\$116,221	\$5,000	\$458,785	\$400,000
Duarte		\$86,976	\$22,851	\$594	\$110,421	\$44,622	\$1,463	\$64,336	\$64,000
El Monte		\$156,073	\$144,829	\$1,328	\$302,230	\$139,174	\$0	\$163,056	\$163,056
El Segundo		\$72,440	\$20,127	\$200	\$92,767	\$42,500	\$0	\$50,267	\$40,000
Gardena		\$253,219	\$77,836	\$2,960	\$334,014	\$64,266	\$3,500	\$266,248	\$230,000
Glendale		\$533,515	\$254,588	\$1,241	\$789,345	\$17,012	\$0	\$772,333	\$650,000
Glendora		\$98,524	\$67,411	\$0	\$165,935	\$14,359	\$3,240	\$148,336	\$112,000
Hawaiian Gardens		\$155,432	\$18,719	\$1,798	\$175,949	\$38,642	\$0	\$137,307	\$103,000
Hawthorne		\$224,744	\$112,631	\$606	\$337,981	\$198,771	\$840	\$138,370	\$138,370
Hermosa Beach		\$78,647	\$25,018	\$892	\$104,558	\$69,105	\$0	\$35,453	\$35,452
Hidden Hills		\$54,137	\$1,813	\$347	\$56,297	\$24,272	\$70	\$31,956	\$31,956
Huntington Park		\$146,160	\$76,117	\$1,606	\$223,883	\$26,750	\$0	\$197,133	\$147,850
Inglewood		\$332,240	\$144,589	\$3,077	\$479,906	\$167,509	\$6,355	\$306,043	\$300,000
Irwindale		\$123	\$1,640	\$0	\$1,763	\$0	\$0	\$1,763	\$0
La Canada Flintridge		\$217,150	\$26,150	\$4,200	\$247,500	\$0	\$0	\$247,500	\$184,218
La Habra Heights		\$22,851	\$6,832	\$267	\$29,950	\$0	\$0	\$29,950	\$29,950
La Mirada		\$330,345	\$63,333	\$5,669	\$399,347	\$71,255	\$0	\$328,092	\$247,000
La Puente		\$156,343	\$51,795	\$2,557	\$210,695	\$0	\$0	\$210,695	\$159,000
La Verne		\$407,160	\$42,439	(\$365)	\$449,234	\$10,052	\$725	\$438,457	\$438,457
Lakewood		\$248,886	\$99,393	\$4,067	\$352,346	\$17,228	\$0	\$335,118	\$335,118
Lawndale		\$88,399	\$42,685	\$441	\$131,525	\$0	\$0	\$131,525	\$131,525
Lomita		\$53,664	\$26,029	\$202	\$79,895	\$17,998	\$0	\$61,896	\$53,664
Long Beach		\$3,172,712	\$609,882	\$32,146	\$3,814,740	\$763,730	\$160	\$3,050,850	\$2,080,176
Los Angeles (City)		\$5,881,414	\$5,193,386	\$79,890	\$11,154,690	\$4,364,999	\$239,480	\$6,550,212	\$5,080,000
Lynwood		\$147,779	\$115,861	\$1,184	\$264,824	\$44,643	\$0	\$220,181	\$220,181

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
	Malibu	\$61,095	\$16,186	\$1,064	\$78,345	\$0	\$0	\$78,345	\$78,345
	Manhattan Beach	\$126,162	\$45,413	\$593	\$172,168	\$17,989	\$2,100	\$152,079	\$114,060
	Maywood	\$54,406	\$34,103	\$0	\$88,509	\$63,289	\$0	\$25,220	\$54,406
	Monrovia	\$381,325	\$49,301	\$3,896	\$434,522	\$9,068	\$2,958	\$422,496	\$317,000
	Montebello	\$544,482	\$81,943	\$8,276	\$634,701	\$35,139	\$5,121	\$594,441	\$500,000
	Monterey Park	\$243,857	\$78,604	\$3,102	\$325,563	\$87,200	\$0	\$238,363	\$164,743
	Norwalk	\$101,188	\$135,585	\$1,154	\$237,927	\$101,792	\$0	\$136,135	\$127,564
	Palos Verdes Estates	\$111,173	\$17,322	\$1,614	\$130,109	\$30,000	\$0	\$100,109	\$100,109
	Paramount	\$267,750	\$71,671	\$2,996	\$342,417	\$47,429	\$3,390	\$291,598	\$291,598
	Pasadena	\$129,498	\$184,165	\$1,775	\$315,438	\$163,763	\$0	\$151,675	\$151,675
	Pico Rivera	\$336,821	\$77,560	\$3,910	\$418,291	\$135,570	\$4,918	\$277,803	\$277,803
	Pomona	\$775,933	\$199,550	\$5,240	\$980,723	\$473,580	\$10,676	\$496,467	\$429,414
	Rancho Palos Verdes	\$90,186	\$54,916	\$950	\$146,052	\$49,995	\$0	\$96,057	\$50,000
	Redondo Beach	\$193,571	\$88,355	\$868	\$282,794	\$54,069	\$4,303	\$224,422	\$193,571
	Rolling Hills Estates	\$74,721	\$10,168	\$662	\$85,551	\$0	\$0	\$85,551	\$85,551
	Rosemead	\$215,080	\$70,464	\$149	\$285,693	\$30,430	\$0	\$255,263	\$255,263
	San Dimas	\$204,794	\$38,591	\$2,895	\$246,280	\$0	\$1,930	\$244,350	\$200,000
	San Fernando	\$131,074	\$31,276	\$252	\$162,602	\$57,130	\$0	\$105,472	\$105,472
	San Gabriel	\$152,784	\$52,521	\$920	\$206,225	\$50,881	\$0	\$155,344	\$155,344
	San Marino	\$57,446	\$17,117	\$666	\$75,229	\$0	\$0	\$75,229	\$75,229
	Santa Clarita	\$589,207	\$277,988	(\$515)	\$866,680	\$56,456	\$4,616	\$805,608	\$805,607
	Santa Fe Springs	\$107,260	\$17,504	\$1,409	\$126,173	\$0	\$0	\$126,173	\$126,173
	Santa Monica	\$661,031	\$120,561	(\$1,430)	\$780,163	\$73,481	\$5,264	\$701,418	\$584,000
	Sierra Madre	\$122,788	\$13,960	\$762	\$137,510	\$95,127	\$0	\$42,383	\$41,183
	Signal Hill	\$154,101	\$14,643	\$1,939	\$170,683	\$1,000	\$0	\$169,683	\$26,000

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
	South El Monte	\$34,400	\$24,976	\$63	\$59,439	\$5,935	\$0	\$53,503	\$41,000
	South Gate	\$460,924	\$124,739	\$2,077	\$587,740	\$139,537	\$6,000	\$442,203	\$410,000
	South Pasadena	\$134,411	\$33,744	\$1,118	\$169,273	\$37,727	\$0	\$131,546	\$98,660
	Temple City	\$196,438	\$45,225	\$380	\$242,043	\$30,969	\$0	\$211,075	\$200,000
	Torrance	\$306,736	\$189,007	\$3,275	\$499,018	\$147,639	\$0	\$351,379	\$306,736
	Walnut	\$9,134	\$38,533	\$0	\$47,668	\$36,500	\$0	\$11,168	\$11,168
	West Covina	\$664,447	\$138,524	\$2,112	\$805,083	\$371,050	\$5,301	\$428,732	\$322,000
	West Hollywood	\$133,677	\$45,767	\$1,398	\$180,842	\$27,546	\$0	\$153,296	\$150,000
	Westlake Village	\$84,598	\$10,568	\$848	\$96,013	\$35,575	\$0	\$60,438	\$55,000
	Whittier	\$735,617	\$112,435	\$3,687	\$851,739	\$42,308	\$4,725	\$804,706	\$804,706
	<b>County Total:</b>	<b>\$30,661,422</b>	<b>\$12,691,597</b>	<b>\$324,318</b>	<b>\$43,677,337</b>	<b>\$10,748,286</b>	<b>\$338,346</b>	<b>\$32,590,704</b>	<b>\$27,964,327</b>
	<b>Orange</b>								
	Aliso Viejo	\$839,731	\$64,000	\$12,205	\$915,936	\$29,800	\$0	\$886,137	\$675,000
	Anaheim	\$64,375	\$458,714	\$189	\$523,278	\$388,246	\$1,949	\$133,083	\$130,000
	Brea	\$234,625	\$56,625	\$827	\$292,077	\$50,000	\$0	\$242,077	\$242,077
	Buena Park	\$515,609	\$105,787	\$9,626	\$631,022	\$0	\$0	\$631,022	\$474,000
	Costa Mesa	\$264,342	\$146,530	\$227	\$411,099	\$46,910	\$0	\$364,189	\$364,189
	County of Orange	\$582,905	\$158,935	\$13,601	\$755,441	\$459,263	\$3,609	\$292,569	\$220,000
	Cypress	\$524,009	\$63,617	\$1,738	\$589,364	\$519,000	\$0	\$70,364	\$70,364
	Dana Point	\$405,619	\$43,114	\$6,931	\$455,664	\$0	\$0	\$455,664	\$455,664
	Fountain Valley	\$462,756	\$72,681	\$5,755	\$541,192	\$0	\$839	\$540,353	\$343,347
	Fullerton	\$479,283	\$182,753	\$2,375	\$664,411	\$108,994	\$1,529	\$553,888	\$547,000
	Garden Grove	\$428,026	\$226,497	\$6,768	\$661,291	\$118,252	\$20,230	\$522,809	\$392,000
	Huntington Beach	\$834,645	\$253,862	\$1,684	\$1,090,191	\$32,625	\$1,726	\$1,055,840	\$800,000
	Irvine	\$627,907	\$343,182	\$2,310	\$973,399	\$501,264	\$20,171	\$451,964	\$451,964



County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
	La Habra	\$42,996	\$79,587	\$36	\$122,620	\$88,125	\$0	\$34,494	\$30,000
	La Palma	\$113,679	\$20,351	\$308	\$134,338	\$0	\$0	\$134,338	\$134,338
	Laguna Beach	\$10,429	\$29,800	\$538	\$40,767	\$8,918	\$0	\$31,849	\$24,000
	Laguna Hills	\$136,950	\$40,345	\$1,815	\$179,110	\$0	\$0	\$179,110	\$179,110
	Laguna Niguel	\$469,296	\$85,505	\$5,468	\$560,269	\$46,561	\$0	\$513,707	\$513,707
	Laguna Woods	\$136,052	\$20,782	\$1,742	\$158,576	\$0	\$0	\$158,576	\$92,500
	Lake Forest	\$497,680	\$108,945	\$6,854	\$613,479	\$29,465	\$0	\$584,014	\$565,225
	Los Alamitos	\$66,395	\$14,897	\$953	\$82,245	\$0	\$0	\$82,245	\$82,245
	Mission Viejo	\$248,540	\$125,658	\$4,336	\$378,534	\$105,494	\$6,326	\$266,714	\$250,000
	Newport Beach	\$1,053,171	\$106,510	\$5,941	\$1,165,622	\$114,592	\$0	\$1,051,030	\$486,000
	Orange (City)	\$198,350	\$181,016	\$1,051	\$380,417	\$266,207	\$5,409	\$108,801	\$108,000
	Placentia	\$217,817	\$66,974	\$2,708	\$287,499	\$103,804	\$0	\$183,695	\$183,695
	Rancho Santa Margarita	\$170,050	\$62,264	\$2,421	\$234,735	\$1,458	\$0	\$233,277	\$175,000
	San Clemente	\$292,198	\$76,087	\$1,182	\$369,467	\$179,863	\$0	\$189,603	\$188,421
	San Juan Capistrano	\$409,521	\$45,063	\$2,208	\$456,792	\$105,921	\$0	\$350,871	\$307,141
	Santa Ana	\$1,213,428	\$436,605	\$15,515	\$1,665,548	\$396,469	\$14,617	\$1,254,462	\$1,212,199
	Seal Beach	\$31	\$31,537	\$44	\$31,612	\$31,537	\$0	\$75	\$0
	Stanton	\$158,058	\$50,711	\$1,722	\$210,491	\$34,815	\$2,435	\$173,241	\$170,000
	Tustin	\$205,641	\$105,657	\$476	\$311,773	\$0	\$160	\$311,613	\$311,614
	Villa Park	\$41,137	\$9,381	\$417	\$50,936	\$4,287	\$464	\$46,185	\$46,184
	Westminster	\$468,453	\$120,175	\$5,469	\$594,097	\$129,574	\$7,511	\$457,012	\$343,000
	Yorba Linda	\$997,285	\$87,047	\$7,702	\$1,092,034	\$25,795	\$0	\$1,066,239	\$396,000
	<b>County Total:</b>	<b>\$13,410,989</b>	<b>\$4,081,195</b>	<b>\$133,142</b>	<b>\$17,625,325</b>	<b>\$3,927,242</b>	<b>\$86,975</b>	<b>\$13,611,109</b>	<b>\$10,963,984</b>
<b>Riverside</b>									
	Banning	\$81,757	\$39,675	\$683	\$122,115	\$3,000	\$0	\$119,115	\$119,114

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
Beaumont		\$306,698	\$57,275	\$6,406	\$370,380	\$0	\$0	\$370,380	\$300,000
Calimesa		\$43,278	\$10,882	\$560	\$54,720	\$3,000	\$555	\$51,165	\$50,000
Canyon Lake		\$114,011	\$12,695	(\$107)	\$126,599	\$46,132	\$0	\$80,467	\$80,467
Cathedral City		\$85,159	\$69,661	\$2,508	\$157,328	\$52,245	\$0	\$105,083	\$105,083
Coachella		\$3,685	\$58,133	\$0	\$61,818	\$43,600	\$0	\$18,218	\$18,218
Corona		\$950,445	\$215,435	(\$285)	\$1,165,595	\$8,623	\$1,000	\$1,155,973	\$867,000
County of Riverside		\$110,058	\$477,514	\$1,773	\$589,345	\$457,417	\$13,976	\$117,953	\$100,000
Desert Hot Springs		\$29,747	\$35,804	\$80	\$65,631	\$26,853	\$0	\$38,778	\$26,500
Eastvale		\$230,674	\$82,721	\$2,730	\$316,125	\$22,915	\$600	\$292,610	\$220,000
Hemet		\$419,686	\$102,447	\$9,138	\$531,271	\$5,000	\$0	\$526,271	\$419,686
Indian Wells		\$5,959	\$6,791	\$19	\$12,769	\$5,065	\$0	\$7,704	\$6,300
Indio		\$146,954	\$111,600	\$738	\$259,292	\$61,794	\$1,847	\$195,651	\$165,000
Jurupa Valley		\$57,707	\$128,185	\$674	\$186,566	\$18,676	\$0	\$167,890	\$167,590
La Quinta		\$179,831	\$51,892	\$2,004	\$233,727	\$130,485	\$0	\$103,242	\$89,656
Lake Elsinore		\$236,705	\$79,482	\$1,198	\$317,385	\$74,516	\$3,974	\$238,895	\$238,895
Menifee		\$223,111	\$99,569	\$1,774	\$324,453	\$147,558	\$0	\$176,895	\$176,895
Moreno Valley		\$221,238	\$263,374	\$2,878	\$487,490	\$195,711	\$9,103	\$282,676	\$206,263
Murrieta		\$434,452	\$104,402	\$4,233	\$543,087	\$135,783	\$209	\$407,096	\$395,000
Norco		\$110,714	\$34,355	\$1,087	\$146,156	\$48,505	\$1,500	\$96,151	\$85,000
Palm Desert		\$114,238	\$64,767	\$1,092	\$180,097	\$54,027	\$0	\$126,070	\$95,000
Palm Springs		\$29,390	\$60,473	\$1,077	\$90,940	\$45,355	\$3,780	\$41,805	\$25,000
Perris		\$281,753	\$97,133	\$438	\$379,324	\$157,915	\$0	\$221,409	\$221,409
Rancho Mirage		\$59,794	\$23,236	\$123	\$83,153	\$17,427	\$0	\$65,726	\$65,726
Riverside (City)		\$1,021,419	\$418,093	\$4,407	\$1,443,919	\$308,590	\$2,448	\$1,132,881	\$1,132,882
San Jacinto		\$190,331	\$61,278	\$1,563	\$253,172	\$164,249	\$0	\$88,923	\$85,000

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
	Temecula	\$136,167	\$140,467	\$959	\$277,593	\$145,000	\$0	\$132,593	\$132,593
	Wildomar	\$96,971	\$45,791	\$281	\$143,043	\$60,339	\$2,728	\$79,976	\$79,976
	<b>County Total:</b>	<b>\$5,921,933</b>	<b>\$2,953,131</b>	<b>\$48,030</b>	<b>\$8,923,094</b>	<b>\$2,439,781</b>	<b>\$41,720</b>	<b>\$6,441,593</b>	<b>\$5,674,253</b>
<b>San Bernardino</b>									
	Big Bear Lake	\$56,180	\$6,298	\$707	\$63,185	\$0	\$0	\$63,185	\$63,185
	Chino	\$633,169	\$111,709	\$7,735	\$752,613	\$5,616	\$0	\$746,997	\$560,247
	Chino Hills	\$408,276	\$103,477	(\$1,278)	\$510,475	\$28,177	\$2,332	\$479,966	\$462,700
	Colton	\$246,459	\$69,044	\$2,698	\$318,201	\$38,891	\$0	\$279,310	\$209,482
	County of San Bernardino	\$294,738	\$307,218	\$11,175	\$613,130	\$244,053	\$19,201	\$349,876	\$349,876
	Fontana	\$834,060	\$273,409	\$3,616	\$1,111,085	\$248,584	\$13,000	\$849,501	\$692,984
	Grand Terrace	\$74,525	\$14,665	\$833	\$90,023	\$5,000	\$0	\$85,023	\$55,000
	Highland	\$308,333	\$69,684	\$3,328	\$381,345	\$20,782	\$1,351	\$359,213	\$359,213
	Loma Linda	\$47,451	\$31,330	\$508	\$79,289	\$49,960	\$1,566	\$27,763	\$27,763
	Montclair	\$205,197	\$49,401	\$450	\$255,048	\$119,189	\$0	\$135,859	\$100,000
	Ontario	\$1,232,388	\$223,934	\$8,815	\$1,465,137	\$43,313	\$13,996	\$1,407,828	\$1,232,388
	Rancho Cucamonga	\$1,125,280	\$227,842	\$3,629	\$1,356,751	\$32,110	\$3,170	\$1,321,471	\$956,220
	Redlands	\$420,813	\$89,568	\$2,532	\$512,913	\$42,955	\$0	\$469,958	\$469,958
	Rialto	\$341,905	\$134,883	\$5,042	\$481,830	\$58,592	\$6,190	\$417,049	\$417,049
	San Bernardino (City)	\$1,229,404	\$167,065	\$14,484	\$1,410,953	\$817,401	\$0	\$593,552	\$593,552
	Upland	\$128,491	\$98,484	\$1,703	\$228,678	\$42,320	\$5,140	\$181,219	\$158,950
	Yucaipa	\$159	\$69,616	\$2,076	\$71,851	\$58,188	\$0	\$13,663	\$13,664
	<b>County Total:</b>	<b>\$7,586,828</b>	<b>\$2,047,626</b>	<b>\$68,054</b>	<b>\$9,702,508</b>	<b>\$1,855,130</b>	<b>\$65,946</b>	<b>\$7,781,432</b>	<b>\$6,722,231</b>
	<b>GRAND TOTAL:</b>	<b>\$57,581,172</b>	<b>\$21,773,549</b>	<b>\$573,544</b>	<b>\$79,928,264</b>	<b>\$18,970,439</b>	<b>\$532,987</b>	<b>\$60,424,838</b>	<b>\$51,324,794</b>
	<i>Number of Local</i>	162							

## Local Government Administrative Costs

Fiscal Year 2017 - 2018

Local Government	Administrative Costs	Motor Vehicle Revenues	Admin Costs as % of Revenues
Agoura Hills	\$1,416	\$26,820	5%
Alhambra	\$0	\$108,895	0%
Aliso Viejo	\$0	\$64,000	0%
Anaheim	\$1,949	\$458,714	0%
Arcadia	\$0	\$73,535	0%
Artesia	\$1,338	\$21,420	6%
Azusa	\$0	\$63,754	0%
Baldwin Park	\$0	\$96,874	0%
Banning	\$0	\$39,675	0%
Beaumont	\$0	\$57,275	0%
Bell	\$0	\$46,595	0%
Bell Gardens	\$0	\$52,564	0%
Bellflower	\$0	\$98,313	0%
Beverly Hills	\$0	\$44,331	0%
Big Bear Lake	\$0	\$6,298	0%
Brea	\$0	\$56,625	0%
Buena Park	\$0	\$105,787	0%
Burbank	\$0	\$134,952	0%
Calabasas	\$0	\$30,911	0%
Calimesa	\$555	\$10,882	5%
Canyon Lake	\$0	\$12,695	0%
Carson	\$3,000	\$120,356	2%
Cathedral City	\$0	\$69,661	0%
Cerritos	\$0	\$63,676	0%
Chino	\$0	\$111,709	0%
Chino Hills	\$2,332	\$103,477	2%
Claremont	\$0	\$46,360	0%
Coachella	\$0	\$58,133	0%
Colton	\$0	\$69,044	0%
Commerce	\$0	\$16,599	0%
Compton	\$8,189	\$125,643	7%
Corona	\$1,000	\$215,435	0%
Costa Mesa	\$0	\$146,530	0%
County of LA	\$0	\$1,346,352	0%
County of Orange	\$3,609	\$158,935	2%
County of Riverside	\$13,976	\$477,514	3%
County of San Bernardino	\$19,201	\$307,218	6%
Covina	\$2,270	\$62,789	4%
Cudahy	\$0	\$31,179	0%
Culver City	\$0	\$51,343	0%
Cypress	\$0	\$63,617	0%

<b>Local Government</b>	<b>Administrative Costs</b>	<b>Motor Vehicle Revenues</b>	<b>Admin Costs as % of Revenues</b>
Dana Point	\$0	\$43,114	0%
Desert Hot Springs	\$0	\$35,804	0%
Diamond Bar	\$0	\$73,140	0%
Downey	\$5,000	\$146,258	3%
Duarte	\$1,463	\$22,851	6%
Eastvale	\$600	\$82,721	1%
El Monte	\$0	\$144,829	0%
El Segundo	\$0	\$20,127	0%
Fontana	\$13,000	\$273,409	5%
Fountain Valley	\$839	\$72,681	1%
Fullerton	\$1,529	\$182,753	1%
Garden Grove	\$20,230	\$226,497	9%
Gardena	\$3,500	\$77,836	4%
Glendale	\$0	\$254,588	0%
Glendora	\$3,240	\$67,411	5%
Grand Terrace	\$0	\$14,665	0%
Hawaiian Gardens	\$0	\$18,719	0%
Hawthorne	\$840	\$112,631	1%
Hemet	\$0	\$102,447	0%
Hermosa Beach	\$0	\$25,018	0%
Hidden Hills	\$70	\$1,813	4%
Highland	\$1,351	\$69,684	2%
Huntington Beach	\$1,726	\$253,862	1%
Huntington Park	\$0	\$76,117	0%
Indian Wells	\$0	\$6,791	0%
Indio	\$1,847	\$111,600	2%
Inglewood	\$6,355	\$144,589	4%
Irvine	\$20,171	\$343,182	6%
Irwindale	\$0	\$1,640	0%
Jurupa Valley	\$0	\$128,185	0%
La Canada Flintridge	\$0	\$26,150	0%
La Habra	\$0	\$79,587	0%
La Habra Heights	\$0	\$6,832	0%
La Mirada	\$0	\$63,333	0%
La Palma	\$0	\$20,351	0%
La Puente	\$0	\$51,795	0%
La Quinta	\$0	\$51,892	0%
La Verne	\$725	\$42,439	2%
Laguna Beach	\$0	\$29,800	0%
Laguna Hills	\$0	\$40,345	0%
Laguna Niguel	\$0	\$85,505	0%
Laguna Woods	\$0	\$20,782	0%
Lake Elsinore	\$3,974	\$79,482	5%
Lake Forest	\$0	\$108,945	0%

<b>Local Government</b>	<b>Administrative Costs</b>	<b>Motor Vehicle Revenues</b>	<b>Admin Costs as % of Revenues</b>
Lakewood	\$0	\$99,393	0%
Lawndale	\$0	\$42,685	0%
Loma Linda	\$1,566	\$31,330	5%
Lomita	\$0	\$26,029	0%
Long Beach	\$160	\$609,882	0%
Los Alamitos	\$0	\$14,897	0%
Los Angeles (City)	\$239,480	\$5,193,386	5%
Lynwood	\$0	\$115,861	0%
Malibu	\$0	\$16,186	0%
Manhattan Beach	\$2,100	\$45,413	5%
Maywood	\$0	\$34,103	0%
Menifee	\$0	\$99,569	0%
Mission Viejo	\$6,326	\$125,658	5%
Monrovia	\$2,958	\$49,301	6%
Montclair	\$0	\$49,401	0%
Montebello	\$5,121	\$81,943	6%
Monterey Park	\$0	\$78,604	0%
Moreno Valley	\$9,103	\$263,374	3%
Murrieta	\$209	\$104,402	0%
Newport Beach	\$0	\$106,510	0%
Norco	\$1,500	\$34,355	4%
Norwalk	\$0	\$135,585	0%
Ontario	\$13,996	\$223,934	6%
Orange (City)	\$5,409	\$181,016	3%
Palm Desert	\$0	\$64,767	0%
Palm Springs	\$3,780	\$60,473	6%
Palos Verdes Estates	\$0	\$17,322	0%
Paramount	\$3,390	\$71,671	5%
Pasadena	\$0	\$184,165	0%
Perris	\$0	\$97,133	0%
Pico Rivera	\$4,918	\$77,560	6%
Placentia	\$0	\$66,974	0%
Pomona	\$10,676	\$199,550	5%
Rancho Cucamonga	\$3,170	\$227,842	1%
Rancho Mirage	\$0	\$23,236	0%
Rancho Palos Verdes	\$0	\$54,916	0%
Rancho Santa Margarita	\$0	\$62,264	0%
Redlands	\$0	\$89,568	0%
Redondo Beach	\$4,303	\$88,355	5%
Rialto	\$6,190	\$134,883	5%
Riverside (City)	\$2,448	\$418,093	1%
Rolling Hills Estates	\$0	\$10,168	0%
Rosemead	\$0	\$70,464	0%
San Bernardino (City)	\$0	\$167,065	0%

<b>Local Government</b>	<b>Administrative Costs</b>	<b>Motor Vehicle Revenues</b>	<b>Admin Costs as % of Revenues</b>
San Clemente	\$0	\$76,087	0%
San Dimas	\$1,930	\$38,591	5%
San Fernando	\$0	\$31,276	0%
San Gabriel	\$0	\$52,521	0%
San Jacinto	\$0	\$61,278	0%
San Juan Capistrano	\$0	\$45,063	0%
San Marino	\$0	\$17,117	0%
Santa Ana	\$14,617	\$436,605	3%
Santa Clarita	\$4,616	\$277,988	2%
Santa Fe Springs	\$0	\$17,504	0%
Santa Monica	\$5,264	\$120,561	4%
Seal Beach	\$0	\$31,537	0%
Sierra Madre	\$0	\$13,960	0%
Signal Hill	\$0	\$14,643	0%
South El Monte	\$0	\$24,976	0%
South Gate	\$6,000	\$124,739	5%
South Pasadena	\$0	\$33,744	0%
Stanton	\$2,435	\$50,711	5%
Temecula	\$0	\$140,467	0%
Temple City	\$0	\$45,225	0%
Torrance	\$0	\$189,007	0%
Tustin	\$160	\$105,657	0%
Upland	\$5,140	\$98,484	5%
Villa Park	\$464	\$9,381	5%
Walnut	\$0	\$38,533	0%
West Covina	\$5,301	\$138,524	4%
West Hollywood	\$0	\$45,767	0%
Westlake Village	\$0	\$10,568	0%
Westminster	\$7,511	\$120,175	6%
Whittier	\$4,725	\$112,435	4%
Wildomar	\$2,728	\$45,791	6%
Yorba Linda	\$0	\$87,047	0%
Yucaipa	\$0	\$69,616	0%

# Local Government Projects Funded by Category

Fiscal Year 2017 - 2018

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
<b>(1) Alternative Fuels/Electric Vehicles</b>			
(1a) Alternative Fuel Vehicle Purchases			
Agoura Hills		2018 Toyota Highlander Hybrid Purchase	\$37,461
Alhambra		Purchase of one (1) CNG Engine Regenerative Street Sweeper	\$314,078
Aliso Viejo		1 alternative fuel vehicle	\$29,800
Arcadia		Vehicle Replacement - Public Works Vehicle	\$50,000
Arcadia		Vehicle Replacement - Passenger Car	\$38,771
Azusa		Alternative Fuel Sweeper Lease(s)	\$22,914
Baldwin Park		Purchase of street sweeper model no.TYMCO 600-CNG/ Freightli	\$133,988
Bell Gardens		Vehicle Purchase	\$26,028
Bellflower		One Brand New 2017 Ford F-250 Cng Pickup Truck	\$49,895
Bellflower		One Brand New 2018 Toyota Highlander Hybrid Limited	\$47,429
Calabasas		Continued Lease of City Fleet Vehicles	\$30,754
Canyon Lake		One 2018 Toyota Utility-Highlander	\$46,132
County of Orange		Street Sweeper Replacement	\$342,841
Cudahy		Lease of 2 Hybrid Vehicles	\$1,625
Cypress		Compressed Natural Gas Street Sweepers	\$519,000
Duarte		Hybrid vehicle purchase	\$44,622
Fontana		AFV Rebate Program	\$500
Fullerton		Lease of Pool Cars	\$7,970
Garden Grove		Alternative Fuel Vehicle Rebate Program	\$4,000
Gardena		2017 Ford F650 LPG Asphalt/Patch Truck	\$36,495
Gardena		Lease Payments of (2) 2016 Ford Fusion Hybrid	\$13,488
Gardena		Lease Payments for (1) 2018 Toyota Avalon Hybrid	\$7,367
Gardena		Lease Payments on (1) 2015 Chevrolet Volt	\$6,719
Hawaiian Gardens		Hybrid Vehicle Purchase	\$32,142
Hawthorne		2015 Ford Fusion Hybrid lease purchase	\$95,281
Huntington Park		Hybrid Leased Vehicles	\$22,443
Inglewood		Purchase of 5 Vehicles	\$153,609
La Mirada		Fusion Hybrid 2.0l Ivct 14 Hev Ecvt-Qty 2	\$49,455
Laguna Niguel		Hybrid Lease Vehicles	\$21,430
Long Beach		Alternative Fuel Vehicles	\$139,640
Los Angeles (City)		#2 Purch-8 CNG Peterbilt Solid Waste Collection Vehicles	\$180,876
Los Angeles (City)		#1-Purch of 4 CNG Sewer & Catch Basin Cleaner Trucks	\$80,876
Maywood		Purchase of New Electric Vehicle	\$29,186
Menifee		Alternative Fuels Vehicle Purchase	\$147,558
Montclair		Street Sweeper Purchase	\$93,334
Murrieta		Purchase of 2 Chevy Volts	\$69,033
Newport Beach		CNG Sewer Cleaning Vehicle	\$75,000
Norco		Two 2018 Ford Cmax Hybrids	\$48,505
Norwalk		Cleaner Street Sweeping Contract	\$87,564
Palos Verdes Estates		Alternative Fuel Vehicle Purchase	\$30,000
Paramount		Purchase of Hybrid Vehicle	\$47,429
Perris		Purchase of 5 (Five) Toyota RAV4 Hybrid XLE (New - 2018)	\$157,915
Pico Rivera		Lease payments of (6) Hybrid Vehicles (2014 Toyota Prius C)	\$15,720
Pomona		CNG Public Services Dump Truck for Asphalt	\$103,617
San Bernardino (City)		Purchase of Ford C-Max Hybrid Vehicles	\$805,539
San Fernando		Alternative Fuel Fleet	\$50,107
San Gabriel		Ford Fusion Hybrid	\$50,881
San Jacinto		Purchase of 5 2018 Toyota RAV4 Hybrids	\$152,249
Sierra Madre		Purchase 2016 Ford Super Duty Vehicle	\$52,450
Sierra Madre		Purchase of 2016 Ford Vehicle	\$42,677
South Gate		(5) New Hybrid Vehicles for Community Development Department	\$139,537
Temple City		Lease of Alternative Fuel Vehicles	\$30,969
Upland		Vehicle Purchase	\$29,393
Westlake Village		Purchase and lease of 3 alternative fuel vehicles	\$35,575
Yorba Linda		Vehicle replacement program to alternative fuels	\$25,795



<b>Project Category</b>	<b>Project Subcategory</b>	<b>Project Name</b>	<b>Motor Vehicle Expenditures</b>
		<b>Subcategory Total</b>	<b>\$4,907,661</b>
	(1b) Alternative Fuel Vehicle Conversions		
Irvine		CNG Vehicles Conversion	\$47,300
Irvine		CNG Conversion Cost for Street Sweeper	\$29,200
		<b>Subcategory Total</b>	<b>\$76,500</b>
	(1c) Alternative Fuel Infrastructure (refueling, etc.)		
Culver City		CNG Station Compressor Replacement	\$42,928
Eastvale		Electrical Vehicle Charging Stations (4)	\$16,915
Hermosa Beach		CNG Station	\$63,848
Jurupa Valley		Infrastructure-Refueling (Compressed Natural Gas) (Yr 3/3)	\$18,676
Lakewood		CNG Fuel Tank Upgrade	\$7,289
Monterey Park		CNG Station Compression Services Tariff (CST) Agreement	\$71,200
Ontario		Compressed Natural Gas - Slow Fill Posts	\$15,845
San Fernando		CNG Station Upgrade Project	\$7,023
West Covina		Design and Construction of CNG Station at Maintenance Yard	\$305,595
		<b>Subcategory Total</b>	<b>\$549,319</b>
	(1d) Electric Vehicle Purchases		
Colton		Chevy Bolt Electric Vehicle Purchase	\$38,891
County of Orange		Electric Forklift Replacement Program Purchase 1 Unit (2/2)	\$41,528
County of Orange		Electric Forklift Replacement Program Purchase 1 Unit (1/2)	\$39,894
Covina		1 Chevrolet Bolt EV Premier	\$45,606
El Monte		Electric Vehicle Purchase	\$60,014
El Segundo		New EV Vehicle for City Staff	\$35,000
Fontana		AFV Rebate Program (1/3)	\$500
Fontana		AFV Rebate Program (2/3)	\$500
Fontana		AFV Rebate Program (3/3)	\$500
Garden Grove		Alternative Fuel Vehicle Rebate Program	\$5,000
Hidden Hills		Purchase of One On-Road Light Duty Zero Emission Vehicle	\$24,272
Huntington Park		Fiat 500 E leased Vehicle	\$4,307
La Mirada		Electric Primo Truck Ev 2xs72 Volt Agm	\$20,655
Lomita		Lease of Volkswagen e-Golf	\$2,998
Orange (City)		(4) 2018 Ford Focus Purchases	\$120,338
Placentia		Placentia's Electric Vehicle Fleet Project: 10 Chevy Sparks	\$50,619
Riverside (City)		Electric Vehicle Rebate Program	\$6,000
Santa Ana		Electric Vehicle Purchase (Qty=2)	\$76,295
Santa Ana		Leased EV	\$8,081
Santa Monica		The purchase of five electric vehicles	\$24,806
South Pasadena		2017 Chevrolet Bolt	\$37,727
		<b>Subcategory Total</b>	<b>\$643,531</b>
	(1f) Electric Veh Infrastructure		
Fullerton		EV Charging Stations	\$55,217
La Quinta		Civic Center and Village EV Charging Stations	\$91,566
Lynwood		Charging Stations at City Hall	\$44,643
Maywood		Installation of Charging Station for Electric Vehicles	\$34,103
Newport Beach		Electric Vehicle Charging Stations	\$29,948
Ontario		Electric Vehicle Charging Station	\$6,224
Orange (City)		Purchase of EV Charging Stations	\$34,285
Pico Rivera		City Hall Electric Vehicle Charging Stations (EVCS)	\$109,250
Rosemead		Electric Charging Station Installation	\$30,430
Santa Ana		Installation of EV Charging Stations (Ph I)	\$43,967
Santa Clarita		EV Stations citywide	\$3,129
Santa Monica		EV Infrastructure Installation	\$38,675
West Covina		Electric Vehicle Charging Stations	\$55,140
		<b>Subcategory Total</b>	<b>\$576,576</b>
		<b>Category Total</b>	<b>\$6,753,587</b>

<b>Project Category</b>	<b>Project Subcategory</b>	<b>Project Name</b>	<b>Motor Vehicle Expenditures</b>
<b>(3) Land Use</b>			
(3a) Plan Elements			
Bell Gardens		SR-91/I-604/i-405 "Hot Spots" Gateway Project	\$12,000
Bell Gardens		Gateway Cities COG-I-710 Major Corridor Study	\$10,000
Hawaiian Gardens		Gateway Cities Strategic Transportation Plan (STP)	\$6,500
Los Angeles (City)		Land Use - LADOT Complete Streets	\$339,000
Mission Viejo		Land Use and Transportation VMT Reduction: FY17-18	\$38,246
Pico Rivera		Development of Strategic Transportation Plans	\$10,600
Santa Ana		General Plan Update & Land Use	\$63,506
Santa Ana		General Plan Circulation Element	\$32,684
Signal Hill		COG I-710 Corridor Study Joint Project	\$1,000
Whittier		Dev. Gateway COG Strategic Transportation Plan	\$15,497
		<b>Subcategory Total</b>	<b>\$529,033</b>
(3b) Development Guidelines			
Lakewood		91/605/405 COG Major Corridor Study	\$9,939
Santa Ana		TOD Parking Guidelines	\$62,228
		<b>Subcategory Total</b>	<b>\$72,168</b>
(3c) Facilities (Pedestrian, mixed use, etc.)			
Fontana		Juniper @ Metrolink RR crossing	\$170,247
Fontana		Sierra @ Metrolink RR Crossing	\$40,442
Long Beach		6th Street Traffic Calming	\$144,888
Santa Clarita		Vista Canyon Regional Transit Center (T3021)	\$20,414
Villa Park		Pedestrian Sidewalk	\$4,287
Yucaipa		Yucaipa Blvd ADA Sidewalk Project	\$49,572
Yucaipa		12th & 13th, Avenue E to Oak Glen Road	\$8,616
		<b>Subcategory Total</b>	<b>\$438,466</b>
(3d) Land Use Research			
Santa Ana		Metro Mixed Use Overlay District Air & GHG	\$11,243
		<b>Subcategory Total</b>	<b>\$11,243</b>
		<b>Category Total</b>	<b>\$1,050,910</b>
<b>(4) Public Transportation (Transit &amp; Rail)</b>			
(4a) Public Transportation Facilities (multi-modal, shelters)			
Fontana		City-Wide Bus Stop Improvements	\$10,158
Irvine		Benches and Shelters for Station & Stops	\$28,637
Ontario		Public Grounds Maintenance - Bus Shelter	\$11,794
Rancho Cucamonga		Bus Stop/Variou Locations	\$13,569
		<b>Subcategory Total</b>	<b>\$64,158</b>
(4c) Transit Operations (new service, shuttles, fuel subsidies)			
Anaheim		Ctr City Shuttle - Project V	\$37,912
Anaheim		Art Shuttle - Route 17	\$6,710
Grand Terrace		Senior Transportation Program	\$5,000
Huntington Beach		Project V Shuttle	\$21,793
La Habra		Shuttles to transport seniors	\$88,125
Mission Viejo		Mission Viejo (MV) Shuttle: FY17-18	\$56,875
Monrovia		Monrovia Public Transportation Subsidy Program	\$9,068
Rancho Palos Verdes		Route 225 Extension (Year 2 of 3)	\$49,995
San Clemente		San Clemente Summer Trolley	\$151,858
San Juan Capistrano		Trolley Program	\$42,913
San Juan Capistrano		Sr. Nutritional Transportation Program	\$11,966
Seal Beach		Senior Transportation Nutritional Shuttle	\$31,537
Westminster		Project V - Little Saigon Shuttle Pilot Program	\$122,200
		<b>Subcategory Total</b>	<b>\$635,953</b>
(4d) Passenger Fare Subsidies			
Anaheim		Metrolink OCTA	\$120,253
Azusa		Transit Pass Subsidy	\$4,480
Claremont		Public Transportation Reimbursement	\$3,125
Corona		Corona Cruiser Fare Subsidy	\$2,623
Garden Grove		Transit Subsidy (Metrolink & Bus)	\$4,012

<b>Project Category</b>	<b>Project Subcategory</b>	<b>Project Name</b>	<b>Motor Vehicle Expenditures</b>
Laguna Beach		Free Mainline Service during the Summer	\$8,206
Laguna Beach		Free Ride to Work Program	\$713
Norwalk		Transit Subsidy	\$11,501
Riverside (City)		Riverside Go Transit Bus Pass Subsidy Program	\$84,541
Riverside (City)		City Pass Program	\$15,618
South El Monte		Bus Pass Subsidy Program	\$5,935
Walnut		Bus Pass Subsidies	\$6,500
		<b>Subcategory Total</b>	<b>\$267,505</b>
		<b>Category Total</b>	<b>\$967,616</b>

**(5) Traffic Management**

(5a) Traffic Calming

Los Angeles (City)		Traffic Calming Studies and Implementation	\$251,000
San Clemente		Traffic Calming Measures on Riachuelo	\$9,461
		<b>Subcategory Total</b>	<b>\$260,461</b>

(5b) Traffic Flow or Signalization (timing, surveillance)

Artesia		Pre-Emption Replacement	\$10,825
Costa Mesa		Sunflower Traffic Signal Synchronization Project	\$37,282
Costa Mesa		Bear Traffic Signal Synchronization Project	\$636
Costa Mesa		Victoria St. Traffic Signal Synchronization Project	\$571
Costa Mesa		17th. St. Signal Synchronization Project	\$389
Diamond Bar		Traffic Signal Infrastructure Upgrades (PJ#24517)	\$119,705
Highland		Traffic Signal Synchronization	\$19,735
Laguna Niguel		Traffic Signal Coordination	\$25,132
Lake Forest		Prof Serv-Traffic Engineer for Traffic Signal Monitoring	\$21,287
Lake Forest		Signal Maintenance Centracs Software	\$6,922
Lake Forest		Barranca/Muirlands Traffic Signal Synchronization	\$1,109
Lake Forest		Bake Parkway Traffic Signal Synchronization Project	\$89
Lake Forest		Alton Parkway Traffic Signal Synchronization	\$58
Loma Linda		Install Fiber Optic cable for traffic signal coordination	\$20,000
Loma Linda		Fiber Optic Cable install - Traffic Signal Coordination	\$8,308
Los Angeles (City)		Seg 11 Mission Rd between Jesse St and Radiom Dr	\$164,397
Los Angeles (City)		Seg 13 Ventura Bl between Coldwater Cyn and Vineland Av	\$106,399
Los Angeles (City)		Seg 10 Manchester Av between Aviation Bl and Lincoln Bl	\$98,230
Los Angeles (City)		Seg 8 Hollywood Bl between La Brea Av and Wilton Pl	\$73,723
Los Angeles (City)		Seg 6 Glendale Bl between Alessandro St and Beverly/1st Bl	\$71,681
Los Angeles (City)		Seg 7 Harbor Bl between Fron St and 22nd St	\$69,639
Los Angeles (City)		Seg 5 Franklin Av between Highland Av and Western Av	\$66,167
Los Angeles (City)		Seg 3 Fletcher Dr between Glendale Bl and Eagle Rock Bl	\$61,674
Los Angeles (City)		Seg 1 Abbot Kinney Bl between Pacific Av and Washington Bl	\$58,407
Los Angeles (City)		Seg 4 Foothill Bl between Sunland Bl and Wyngate St	\$52,893
Los Angeles (City)		Seg 12 Rampart Bl Between London St and Hoover St	\$51,872
Los Angeles (City)		Seg 9 La Tijera Bl between Airport Bl and La Cienega Bl	\$50,647
Los Angeles (City)		Seg 2 Crescent Heights bl between Romaine St and Beverly Bl	\$28,182
Mission Viejo		City of Mission Viejo Traffic Signal Synchronization:FY17-18	\$10,373
Murrieta		Traffic Signal Optimization/Congestion Management (CIP 8330)	\$66,750
Placentia		Placentia Avenue Traffic Signal Coordination	\$46,547
Placentia		Chapman/Malvern Traffic Signal Synchronization	\$240
Pomona		Traffic Operations Communication Upgrade	\$361,680
Pomona		Traffic Signal and Street Light Program	\$4,029
Pomona		Traffic Signal System Improvements - Citywide	\$258
Rancho Santa Margarita		SMP Signal & Equipment Upgrade	\$1,020
Rancho Santa Margarita		Antonio Parkway Signal & Equipment Upgrade	\$438
Riverside (City)		Riverside Traffic Management Center	\$68,391
Santa Clarita		ITS PH IV & Signal Synchr (I0009)	\$21,149
		<b>Subcategory Total</b>	<b>\$1,806,834</b>

(5c) Alternate Mode Signalization (transit/bike pre-emption)

Chino Hills		2 Solar Powered Changeable Message Board trailers	\$28,177
Costa Mesa		Install Bicycle Signal on Placentia Ave	\$8,032
San Juan Capistrano		Countdown Pedestrian Signals Project	\$51,042

<b>Project Category</b>	<b>Project Subcategory</b>	<b>Project Name</b>	<b>Motor Vehicle Expenditures</b>
			<b>Subcategory Total</b>
	(5d) Traffic Management Research and Dev		<b>\$87,251</b>
Huntington Beach	Traffic Counts		\$175
			<b>Subcategory Total</b>
			<b>\$175</b>
			<b>Category Total</b>
			<b>\$2,154,721</b>
<b>(6) Transportation Demand Management</b>			
	(6a) Employer-Based Trip Reduction		
Anaheim	Trip Reduction Program		\$79,813
Arcadia	Rideshare Plus Program		\$20,162
Azusa	Rideshare Financial Incentives		\$7,092
Baldwin Park	Employer Trip Reduction Incentive Programs		\$1,520
Bell Gardens	Alternative Transportation		\$1,155
Bell Gardens	Employee Rideshare Subsidies		\$386
Burbank	Employee Transit Subsidies		\$28,749
Burbank	Employee Rideshare Subsidies		\$27,658
Carson	Employee Carpool Program		\$29,132
Cerritos	City Employee Rideshare Trip Rebate Program		\$26,110
Commerce	Employer Based Trip Reduction		\$16,599
Compton	Rideshare Incentive Payments		\$20,738
County of LA	Employee Commute Reduction Program		\$710,286
County of Orange	Employee Rideshare Program		\$35,000
County of Riverside	Commuter Services Rideshare Program		\$145,169
County of San Bernardino	Employee Commute Reduction Program		\$228,106
Downey	Downey Employee "Thumbs Up" Commuting Program		\$114,367
El Monte	Monthly Rideshare Incentive		\$53,160
El Segundo	City employee ride share program		\$7,500
Fontana	Employee Rideshare Program		\$13,914
Garden Grove	TDM Services		\$23,556
Glendora	Altcom Employer Rideshare Program		\$10,865
Hawthorne	Financial Incentives for Rideshare		\$3,490
Hermosa Beach	Auto Trip Reduction		\$2,970
Huntington Beach	Employee Rideshare Program		\$9,573
La Verne	Bike, Carpool, Walk, Incentive Program		\$10,052
Los Angeles (City)	Employee's Transit Subsidy Program		\$627,892
Los Angeles (City)	Employer's Carpool Transit Incentive Program		\$100,991
Los Angeles (City)	Employer's Walk Incentive Program		\$17,954
Los Angeles (City)	Bicycle Transit Incentive Program		\$12,219
Manhattan Beach	Rideshare Program		\$13,800
Montclair	Rideshare Program		\$25,855
Montebello	Employee Commute Reduction Program		\$35,139
Newport Beach	Employee Rideshare Program		\$9,644
Ontario	Rideshare		\$9,450
Orange (City)	Trip Reduction Program		\$103,797
Palm Desert	City Rideshare Program		\$972
Pasadena	Rideshare program		\$163,763
Rancho Cucamonga	Employer Ride Share Program		\$17,835
Redondo Beach	Employee Rideshare		\$54,069
Rialto	Employee Rideshare Program		\$58,592
Riverside (City)	Employee Rideshare Program		\$1,200
San Bernardino (City)	Rideshare Program		\$11,862
Santa Ana	Blue Skies Rideshare		\$98,465
Santa Clarita	Rideshare (Passes)		\$2,264
Stanton	Commute Incentive Program		\$715
Torrance	Employee Rideshare		\$147,639
Upland	Rideshare Activities		\$12,927
West Hollywood	Alternative Mode Transportation Incentive		\$27,546
Westminster	Employee Rideshare Program		\$7,374
Whittier	Employee-Based Trip Reduction		\$11,674
			<b>Subcategory Total</b>
			<b>\$3,200,759</b>

<b>Project Category</b>	<b>Project Subcategory</b>	<b>Project Name</b>	<b>Motor Vehicle Expenditures</b>
<b>(6b) Other Trip Reduction Incentive Programs</b>			
Monterey Park		Employee Rideshare Program	\$16,000
Whittier		GO RIO Whittier College bus pass program	\$9,268
<b>Subcategory Total</b>			<b>\$25,268</b>
<b>(6c) Vanpool Programs</b>			
Anaheim		Citywide Vanpool Program	\$124,319
County of San Bernardino		Vanpool Subsidy Program	\$15,947
Garden Grove		Vanpool Program Conventional Gas	\$62,275
Los Angeles (City)		Employer's Vanpool Program	\$180,039
<b>Subcategory Total</b>			<b>\$382,580</b>
<b>(6d) Park and Ride Lots (for carpools, transit)</b>			
Irvine		Security Service Provided by Irvine PS at Train Station	\$230,000
Temecula		Temecula Park and Ride	\$135,000
<b>Subcategory Total</b>			<b>\$365,000</b>
<b>(6f) Transportation Management Agencies/Organizations</b>			
Glendale		Transportation Management Agency Services	\$8,111
Irvine		Irvine Spectrum TMA	\$4,044
Los Angeles (City)		LADOT Trip Reduction Program Implementation	\$329,000
<b>Subcategory Total</b>			<b>\$341,155</b>
<b>Category Total</b>			<b>\$4,314,762</b>
<b>(8) Bicycles</b>			
<b>(8a) Bicycle Lanes and Trails (also bridges)</b>			
Brea		Tracks at Brea (Segment 4)	\$50,000
Fontana		Safe Routes to School	\$11,823
Fullerton		East Wilshire Bike Boulevard	\$6,763
Highland		Class II Bike Lane Installation	\$1,047
Long Beach		Pier J Bicycle Path	\$105,731
Long Beach		15TH St Bike Blvd	\$56,308
Long Beach		Wardlow Road Bike Buoys	\$29,288
Long Beach		Market St Ped Improvements and Streetscape Enhancements	\$21,232
Long Beach		Class I Willow Bike Path to San Gabriel River	\$10,567
Long Beach		Class II Bike Lanes to LA River	\$683
Rancho Cucamonga		PE Trail Enhancements	\$706
Redlands		Installation of Class II Bike Lanes	\$42,955
Wildomar		Grand Ave and Clinton Keith Bike Phase I	\$31,074
<b>Subcategory Total</b>			<b>\$368,176</b>
<b>(8b) Other Bicycle Facilities (racks, lockers, loop detectors)</b>			
Bell Gardens		PW J Style Bike Racks Power Coated	\$4,601
Calabasas		Bike Lane Striping	\$11,922
County of LA		Bicycle Racks and Installation	\$61,999
Glendora		Bike Racks	\$3,494
Hermosa Beach		Bike Workshop	\$1,280
Long Beach		Bike Share - Bicycle Infrastructure	\$122,630
Manhattan Beach		Bike Rack Purchase	\$4,189
Riverside (City)		BikeRiverside	\$43,243
Riverside (City)		Bicycle Racks	\$1,444
<b>Subcategory Total</b>			<b>\$254,802</b>
<b>(8c) Bicycle Usage (electric bikes, purchases, loaner projects)</b>			
Garden Grove		Bicycle Purchase Loan Program	\$959
Hermosa Beach		Bike Purchases	\$1,007
La Mirada		2 Bicycles For Public Safety Program	\$1,145
Long Beach		Bike Share - Bicycle Purchases	\$122,630
Long Beach		Employee Bike Share	\$491
Orange (City)		Police Bike Team	\$6,234
Orange (City)		Bike Loan to Own Program	\$1,553
<b>Subcategory Total</b>			<b>\$134,019</b>
<b>(8d) Bicycle Research and Dev (engineering studies)</b>			
Fullerton		Priority Bike Connection	\$18,275
Garden Grove		Bicycle Corridor Improvement Project	\$18,450

<b>Project Category</b>	<b>Project Subcategory</b>	<b>Project Name</b>	<b>Motor Vehicle Expenditures</b>
		<b>Subcategory Total</b>	<b>\$36,725</b>
		<b>Category Total</b>	<b>\$793,721</b>
<b>(9) PM Reduction Strategies</b>			
	(9a) Road Dust Control (paving roads, shoulders, street sweeping)		
Cathedral City		Regional PM10 Street Sweeping Program Using 2 Sweepers	\$52,245
Coachella		Regional PM10 Street Sweeping Program Using 2 Sweepers	\$43,600
County of Riverside		Regional PM10 Street Sweeping Program Using 2 Sweepers	\$48,734
Desert Hot Springs		Regional PM 10 Street Sweeping Program	\$26,853
El Monte		Regional PM10 Street Sweeper Contract (2 Vehicles)	\$26,000
Hawthorne		PM10 Reduction Street Sweeping Project	\$100,000
Indian Wells		Regional PM10 Street Sweeping Program Using 2 Sweepers	\$5,065
Indio		Regional PM10 Street Sweeping Program Using 2 Sweepers	\$61,794
La Quinta		Regional PM10 Street Sweeping Program Using 2 Sweepers	\$38,919
Lake Elsinore		Citywide Dirt Road Paving Program	\$68,516
Loma Linda		City Street Sweeping	\$21,652
Lomita		Leasing alternative fuel street sweepers	\$15,000
Moreno Valley		Street Sweeping Program	\$180,711
Palm Desert		Regional PM10 Street Sweeping Program Using 2 Sweepers	\$48,575
Palm Springs		Regional PM10 Street Sweeping Program Using 2 Sweepers	\$45,355
Rancho Mirage		Regional PM10 Street Sweeping Using 2 Sweepers	\$17,427
Walnut		Street Sweeping with CNG Sweeper	\$30,000
Wildomar		Lost Road Dust Program	\$29,265
		<b>Subcategory Total</b>	<b>\$859,712</b>
		<b>Category Total</b>	<b>\$859,712</b>
<b>(10) Public Education</b>			
	(10a) Short Term PE (promote transit, rideshare; conferences)		
Anaheim		Rideshare Outreach	\$19,239
Claremont		Bike Booklets Information	\$291
Glendale		Commute Program Outreach	\$8,901
Los Angeles (City)		Air Quality Education/Outreach Improvement Strategies	\$128,800
Santa Clarita		Promotion and Advertising (bike to work)	\$3,495
Santa Clarita		Promotions and Advertising (rideshare)	\$3,421
Santa Clarita		Bike to Work	\$2,586
Santa Monica		Public Education - Sponsorship of the 2018 AltCar Expo	\$10,000
		<b>Subcategory Total</b>	<b>\$176,733</b>
	(10b) Long Term PE (curriculum, video, brochures, bilingual)		
Long Beach		Bike Share Operations/Marketing	\$5,549
		<b>Subcategory Total</b>	<b>\$5,549</b>
		<b>Category Total</b>	<b>\$182,282</b>
<b>(11) Miscellaneous Projects</b>			
	(11a) Miscellaneous (use with "Miscellaneous Projects" Category)		
Alhambra		Rule 2202	\$131
Banning		WRCOG Clean Cities Coalition	\$3,000
Calimesa		Clean Cities Coalition	\$3,000
Chino		Vehicle Emission Credits Purchased	\$5,047
Chino		Emission Credit Filing Fee	\$569
Claremont		Pedestrian Improvements	\$16,862
Corona		Western Riverside Council of Gov. Clean Cities Coalition	\$6,000
County of Riverside		Purchase of Mobile Source Emission Reduction Credits	\$248,400
County of Riverside		Rule 2202 Multisite Cluster Registration	\$8,243
County of Riverside		Audit of AB2766 Revenue and Expense	\$6,870
Downey		2018 Audit	\$1,854
Eastvale		WRCOG Clean Cities Coalition	\$6,000
Fullerton		Rule 2202 Emission Credits	\$20,769
Gardena		Gardena Rule 2202 Compliance	\$197
Hemet		WRCOG Clean Cities Coalition	\$5,000
Huntington Beach		Rule 2022 Filing	\$1,084

<b>Project Category</b>	<b>Project Subcategory</b>	<b>Project Name</b>	<b>Motor Vehicle Expenditures</b>
Inglewood		Rule 2202	\$13,900
Irvine		Infrastructure and Amenity Improvements	\$153,085
Irvine		Purchase Rule 2202 Credits	\$8,998
Lake Elsinore		WRCOG Clean Cities Coalition	\$6,000
Long Beach		Rule 2202 Compliance	\$4,031
Long Beach		Livability Initiative	\$63
Los Angeles (City)		Alternative Commute/EV Car Share Program Implementation	\$608,733
Los Angeles (City)		BOE Alt Fuel Infrastructure Eng Design & Tech Support	\$194,608
Los Angeles (City)		First Mile-Last Mile Development and Implementation	\$175,909
Los Angeles (City)		LA-Deployment/Installation of CNG Infrastructure (GSD)	\$100,000
Los Angeles (City)		Deployment of EV Charging Stations at Citywide Locations	\$70,734
Los Angeles (City)		Annual AB2766 Audit	\$12,456
Moreno Valley		WRCOG - Clean Cities Coalition	\$15,000
Norwalk		Ab 2766 Audit Expenses	\$2,727
Palm Desert		ChargePoint Network Service	\$4,480
Placentia		Senior Mobility Program	\$6,398
Pomona		Purchase of Emission Credits	\$3,996
Riverside (City)		ProjectDox	\$41,686
Riverside (City)		Clean Cities Coalition	\$25,000
Riverside (City)		AQMD Rule 2202 Compliance	\$21,468
San Clemente		Radar Speed Signs - Del Rio and La Pata	\$18,544
San Jacinto		WRCOG Clean Cities Coalition	\$12,000
Stanton		Replacement of Bus Shelter	\$34,100
Temecula		WRCOG Clean Cities Coalition	\$10,000
West Covina		Rule 2202 Compliance	\$8,795
West Covina		AQMD 2766 Annual Audit Fee	\$1,520
Whittier		Rule 2202 Compliance - Emission Credits Purchased	\$5,300
Whittier		Rule 2202 Filing Fee	\$569
		<b>Subcategory Total</b>	<b>\$1,893,127</b>
		<b>Category Total</b>	<b>\$1,893,127</b>
		<b>GRAND TOTAL:</b>	<b>\$18,970,439</b>

## Percent of Project Expenditures by Project Category

Fiscal Year 2017 - 2018

Project Category	Project Expenditures	Percent of Total Project Expenditures	Number of Projects
(1) Alternative Fuels/Electric Vehicles	\$6,753,587	36%	100
(6) Transportation Demand Management	\$4,314,762	23%	62
(5) Traffic Management	\$2,154,721	11%	45
(11) Miscellaneous Projects	\$1,893,127	10%	44
(3) Land Use	\$1,050,910	6%	20
(4) Public Transportation (Transit & Rail)	\$967,616	5%	29
(9) PM Reduction Strategies	\$859,712	5%	18
(8) Bicycles	\$793,721	4%	31
(10) Public Education	\$182,282	1%	9
	<b>\$18,970,439</b>	<b>100%</b>	<b>358</b>



## Summary of Spending by Project SubCategory

Fiscal Year 2017 - 2018

Subcategory	Category	Expenditures by Subcategory	Number of Projects
<b>(1) Alternative Fuels/Electric Vehicles</b>			
(1a)	Alternative Fuel Vehicle Purchases	\$4,903,661	54
(1b)	Alternative Fuel Vehicle Conversions	\$76,500	2
(1c)	Alternative Fuel Infrastructure (refueling, etc.)	\$549,319	9
(1d)	Electric Vehicle Purchases	\$647,531	22
(1f)	Electric Veh Infrastructure	\$576,576	13
<b>(3) Land Use</b>			
(3a)	Plan Elements	\$529,033	10
(3b)	Development Guidelines	\$72,168	2
(3c)	Facilities (Pedestrian, mixed use, etc.)	\$438,466	7
(3d)	Land Use Research	\$11,243	1
<b>(4) Public Transportation (Transit &amp; Rail)</b>			
(4a)	Public Transportation Facilities (multi-modal, shelters)	\$64,158	4
(4c)	Transit Operations (new service, shuttles, fuel subsidies)	\$635,953	13
(4d)	Passenger Fare Subsidies	\$267,505	12
<b>(5) Traffic Management</b>			
(5a)	Traffic Calming	\$260,461	2
(5b)	Traffic Flow or Signalization (timing, surveillance)	\$1,806,834	39
(5c)	Alternate Mode Signalization (transit/bike pre-emption)	\$87,251	3
(5d)	Traffic Management Research and Dev	\$175	1
<b>(6) Transportation Demand Management</b>			
(6a)	Employer-Based Trip Reduction	\$3,200,759	51
(6b)	Other Trip Reduction Incentive Programs	\$25,268	2
(6c)	Vanpool Programs	\$382,580	4
(6d)	Park and Ride Lots (for carpools, transit)	\$365,000	2
(6f)	Transportation Management Agencies/Organizations	\$341,155	3
<b>(8) Bicycles</b>			
(8a)	Bicycle Lanes and Trails (also bridges)	\$368,176	13
(8b)	Other Bicycle Facilities (racks, lockers, loop detectors)	\$254,802	9
(8c)	Bicycle Usage (electric bikes, purchases, loaner projects)	\$134,019	7
(8d)	Bicycle Research and Dev (engineering studies)	\$36,725	2

<b>Subcategory</b>	<b>Category</b>	<b>Expenditures by Subcategory</b>	<b>Number of Projects</b>
	<b>(9) PM Reduction Strategies</b>		
(9a)	Road Dust Control (paving roads, shoulders, street	\$859,712	18
	<b>(10) Public Education</b>		
(10a)	Short Term PE (promote transit, rideshare; conferences)	\$176,733	8
(10b)	Long Term PE (curriculum, video, brochures, bilingual)	\$5,549	1
	<b>(11) Miscellaneous Projects</b>		
(11a)	Miscellaneous (use with "Miscellaneous Projects")	\$1,893,127	44
	<b>Grand Total</b>	<b>\$18,970,439</b>	<b>358</b>

# Project Funding Sources

Fiscal Year 2017 - 2018

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
<b>Agoura Hills</b>					
2018 Toyota Highlander Hybrid Purchase	\$37,461	\$0	\$0	\$0	\$0
<b>Alhambra</b>					
Purchase of one (1) CNG Engine Regenerative Street Sweeper Rule 2202	\$314,078	\$0	\$0	\$0	\$0
	\$131	\$0	\$0	\$0	\$0
<b>Aliso Viejo</b>					
1 alternative fuel vehicle	\$29,800	\$0	\$0	\$0	\$0
<b>Anaheim</b>					
Art Shuttle - Route 17	\$6,710	\$0	\$0	\$0	\$1,116
Citywide Vanpool Program	\$124,319	\$0	\$0	\$0	\$32,424
Ctr City Shuttle - Project V	\$37,912	\$0	\$0	\$0	\$6,303
Metrolink OCTA	\$120,253	\$0	\$0	\$0	\$34,282
Rideshare Outreach	\$19,239	\$0	\$0	\$0	\$4,300
Trip Reduction Program	\$79,813	\$0	\$0	\$0	\$13,454
<b>Arcadia</b>					
Rideshare Plus Program	\$20,162	\$0	\$0	\$0	\$0
Vehicle Replacement - Passenger Car	\$38,771	\$0	\$0	\$0	\$0
Vehicle Replacement - Public Works Vehicle	\$50,000	\$0	\$0	\$0	\$0
<b>Artesia</b>					
Pre-Emption Replacement	\$10,825	\$0	\$0	\$0	\$0
<b>Azusa</b>					
Alternative Fuel Sweeper Lease(s)	\$22,914	\$0	\$0	\$0	\$7,638
Rideshare Financial Incentives	\$7,092	\$0	\$0	\$0	\$0
Transit Pass Subsidy	\$4,480	\$0	\$0	\$0	\$0
<b>Baldwin Park</b>					
Employer Trip Reduction Incentive Programs	\$1,520	\$0	\$0	\$0	\$0
Purchase of street sweeper model no.TYMCO 600-CNG/ Freightli	\$133,988	\$0	\$0	\$0	\$0
<b>Banning</b>					
WRCOG Clean Cities Coalition	\$3,000	\$0	\$0	\$0	\$0

<b>Project Name</b>	<b>MVFees</b>	<b>MSRC</b>	<b>CMAQ</b>	<b>Moyer</b>	<b>CoFunding</b>
<b>Beaumont</b>					
	\$0	\$0	\$0	\$0	\$0
<b>Bell</b>					
	\$0	\$0	\$0	\$0	\$0
<b>Bell Gardens</b>					
Alternative Transportation	\$1,155	\$0	\$0	\$0	\$0
Employee Rideshare Subsidies	\$386	\$0	\$0	\$0	\$0
Gateway Cities COG-I-710 Major Corridor Study	\$10,000	\$0	\$0	\$0	\$0
PW J Style Bike Racks Power Coated	\$4,601	\$0	\$0	\$0	\$0
SR-91/I-604/i-405 "Hot Spots" Gateway Project	\$12,000	\$0	\$0	\$0	\$0
Vehicle Purchase	\$26,028	\$0	\$0	\$0	\$0
<b>Bellflower</b>					
One Brand New 2017 Ford F-250 Cng Pickup Truck	\$49,895	\$0	\$0	\$0	\$0
One Brand New 2018 Toyota Highlander Hybrid Limited	\$47,429	\$0	\$0	\$0	\$0
<b>Beverly Hills</b>					
	\$0	\$0	\$0	\$0	\$0
<b>Big Bear Lake</b>					
	\$0	\$0	\$0	\$0	\$0
<b>Brea</b>					
Tracks at Brea (Segment 4)	\$50,000	\$266,766	\$228,768	\$0	\$4,162,446
<b>Buena Park</b>					
	\$0	\$0	\$0	\$0	\$0
<b>Burbank</b>					
Employee Rideshare Subsidies	\$27,658	\$0	\$0	\$0	\$0
Employee Transit Subsidies	\$28,749	\$0	\$0	\$0	\$0
<b>Calabasas</b>					
Bike Lane Striping	\$11,922	\$0	\$0	\$0	\$0
Continued Lease of City Fleet Vehicles	\$30,754	\$0	\$0	\$0	\$0
<b>Calimesa</b>					
Clean Cities Coalition	\$3,000	\$0	\$0	\$0	\$0
<b>Canyon Lake</b>					
One 2018 Toyota Utility-Highlander	\$46,132	\$0	\$0	\$0	\$0

<b>Project Name</b>	<b>MVFees</b>	<b>MSRC</b>	<b>CMAQ</b>	<b>Moyer</b>	<b>CoFunding</b>
<b>Carson</b>					
Employee Carpool Program	\$29,132	\$0	\$0	\$0	\$0
<b>Cathedral City</b>					
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$52,245	\$0	\$0	\$0	\$0
<b>Cerritos</b>					
City Employee Rideshare Trip Rebate Program	\$26,110	\$0	\$0	\$0	\$0
<b>Chino</b>					
Emission Credit Filing Fee	\$569	\$0	\$0	\$0	\$0
Vehicle Emission Credits Purchased	\$5,047	\$0	\$0	\$0	\$0
<b>Chino Hills</b>					
2 Solar Powered Changeable Message Board trailers	\$28,177	\$0	\$0	\$0	\$0
<b>Claremont</b>					
Bike Booklets Information	\$291	\$0	\$0	\$0	\$0
Pedestrian Improvements	\$16,862	\$0	\$0	\$0	\$0
Public Transportation Reimbursement	\$3,125	\$0	\$0	\$0	\$0
<b>Coachella</b>					
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$43,600	\$0	\$0	\$0	\$0
<b>Colton</b>					
Chevy Bolt Electric Vehicle Purchase	\$38,891	\$0	\$0	\$0	\$0
<b>Commerce</b>					
Employer Based Trip Reduction	\$16,599	\$0	\$0	\$0	\$0
<b>Compton</b>					
Rideshare Incentive Payments	\$20,738	\$0	\$0	\$0	\$0
<b>Corona</b>					
Corona Cruiser Fare Subsidy	\$2,623	\$0	\$0	\$0	\$0
Western Riverside Council of Gov. Clean Cities Coalition	\$6,000	\$0	\$0	\$0	\$0
<b>Costa Mesa</b>					
17th. St. Signal Synchronization Project	\$389	\$0	\$0	\$0	\$0
Bear Traffic Signal Synchronization Project	\$636	\$0	\$0	\$0	\$0
Install Bicycle Signal on Placentia Ave	\$8,032	\$0	\$0	\$0	\$0
Sunflower Traffic Signal Synchronization Project	\$37,282	\$0	\$0	\$0	\$0
Victoria St. Traffic Signal Synchronization Project	\$571	\$0	\$0	\$0	\$0

<b>Project Name</b>	<b>MVFees</b>	<b>MSRC</b>	<b>CMAQ</b>	<b>Moyer</b>	<b>CoFunding</b>
<b>County of LA</b>					
Bicycle Racks and Installation	\$61,999	\$0	\$0	\$0	\$0
Employee Commute Reduction Program	\$710,286	\$0	\$0	\$0	\$0
<b>County of Orange</b>					
Electric Forklift Replacement Program Purchase 1 Unit (1/2)	\$39,894	\$0	\$0	\$0	\$0
Electric Forklift Replacement Program Purchase 1 Unit (2/2)	\$41,528	\$0	\$0	\$0	\$0
Employee Rideshare Program	\$35,000	\$0	\$0	\$0	\$125,850
Street Sweeper Replacement	\$342,841	\$0	\$0	\$0	\$0
<b>County of Riverside</b>					
Audit of AB2766 Revenue and Expense	\$6,870	\$0	\$0	\$0	\$0
Commuter Services Rideshare Program	\$145,169	\$0	\$0	\$0	\$0
Purchase of Mobile Source Emission Reduction Credits	\$248,400	\$0	\$0	\$0	\$0
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$48,734	\$0	\$0	\$0	\$0
Rule 2202 Multisite Cluster Registration	\$8,243	\$0	\$0	\$0	\$0
<b>County of San Bernardino</b>					
Employee Commute Reduction Program	\$228,106	\$0	\$0	\$0	\$0
Vanpool Subsidy Program	\$15,947	\$0	\$0	\$0	\$0
<b>Covina</b>					
1 Chevrolet Bolt EV Premier	\$45,606	\$0	\$0	\$0	\$0
<b>Cudahy</b>					
Lease of 2 Hybrid Vehicles	\$1,625	\$0	\$0	\$0	\$0
<b>Culver City</b>					
CNG Station Compressor Replacement	\$42,928	\$0	\$0	\$0	\$895,948
<b>Cypress</b>					
Compressed Natural Gas Street Sweepers	\$519,000	\$0	\$0	\$0	\$0
<b>Dana Point</b>					
	\$0	\$0	\$0	\$0	\$0
<b>Desert Hot Springs</b>					
Regional PM 10 Street Sweeping Program	\$26,853	\$0	\$0	\$0	\$0
<b>Diamond Bar</b>					
Traffic Signal Infrastructure Upgrades (PJ#24517)	\$119,705	\$0	\$0	\$0	\$0

<b>Project Name</b>	<b>MVFees</b>	<b>MSRC</b>	<b>CMAQ</b>	<b>Moyer</b>	<b>CoFunding</b>
<b>Downey</b>					
2018 Audit	\$1,854	\$0	\$0	\$0	\$0
Downey Employee "Thumbs Up" Commuting Program	\$114,367	\$0	\$0	\$0	\$0
<b>Duarte</b>					
Hybrid vehicle purchase	\$44,622	\$0	\$0	\$0	\$0
<b>Eastvale</b>					
Electrical Vehicle Charging Stations (4)	\$16,915	\$0	\$0	\$0	\$0
WRCOG Clean Cities Coalition	\$6,000	\$0	\$0	\$0	\$0
<b>El Monte</b>					
Electric Vehicle Purchase	\$60,014	\$0	\$0	\$0	\$0
Monthly Rideshare Incentive	\$53,160	\$0	\$0	\$0	\$0
Regional PM10 Street Sweeper Contract (2 Vehicles)	\$26,000	\$0	\$0	\$0	\$0
<b>El Segundo</b>					
City employee ride share program	\$7,500	\$0	\$0	\$0	\$0
New EV Vehicle for City Staff	\$35,000	\$0	\$0	\$0	\$0
<b>Fontana</b>					
AFV Rebate Program	\$500	\$0	\$0	\$0	\$0
AFV Rebate Program (1/3)	\$500	\$0	\$0	\$0	\$0
AFV Rebate Program (2/3)	\$500	\$0	\$0	\$0	\$0
AFV Rebate Program (3/3)	\$500	\$0	\$0	\$0	\$0
City-Wide Bus Stop Improvements	\$10,158	\$0	\$0	\$0	\$0
Employee Rideshare Program	\$13,914	\$0	\$0	\$0	\$0
Juniper @ Metrolink RR crossing	\$170,247	\$0	\$0	\$0	\$0
Safe Routes to School	\$11,823	\$0	\$0	\$0	\$0
Sierra @ Metrolink RR Crossing	\$40,442	\$0	\$0	\$0	\$0
<b>Fountain Valley</b>					
	\$0	\$0	\$0	\$0	\$0
<b>Fullerton</b>					
East Wilshire Bike Boulevard	\$6,763	\$0	\$0	\$0	\$0
EV Charging Stations	\$55,217	\$0	\$0	\$0	\$0
Lease of Pool Cars	\$7,970	\$0	\$0	\$0	\$0
Priority Bike Connection	\$18,275	\$0	\$0	\$0	\$0
Rule 2202 Emission Credits	\$20,769	\$0	\$0	\$0	\$0

<b>Project Name</b>	<b>MVFees</b>	<b>MSRC</b>	<b>CMAQ</b>	<b>Moyer</b>	<b>CoFunding</b>
<b>Garden Grove</b>					
Alternative Fuel Vehicle Rebate Program	\$5,000	\$0	\$0	\$0	\$0
Alternative Fuel Vehicle Rebate Program	\$4,000	\$0	\$0	\$0	\$0
Bicycle Corridor Improvement Project	\$18,450	\$0	\$0	\$0	\$0
Bicycle Purchase Loan Program	\$959	\$0	\$0	\$0	\$0
TDM Services	\$23,556	\$0	\$0	\$0	\$0
Transit Subsidy (Metrolink & Bus)	\$4,012	\$0	\$0	\$0	\$0
Vanpool Program Conventional Gas	\$62,275	\$0	\$0	\$0	\$0
<b>Gardena</b>					
2017 Ford F650 LPG Asphalt/Patch Truck	\$36,495	\$0	\$0	\$0	\$0
Gardena Rule 2202 Compliance	\$197	\$0	\$0	\$0	\$0
Lease Payments for (1) 2018 Toyota Avalon Hybrid	\$7,367	\$0	\$0	\$0	\$0
Lease Payments of (2) 2016 Ford Fusion Hybrid	\$13,488	\$0	\$0	\$0	\$0
Lease Payments on (1) 2015 Chevrolet Volt	\$6,719	\$0	\$0	\$0	\$0
<b>Glendale</b>					
Commute Program Outreach	\$8,901	\$0	\$0	\$0	\$0
Transportation Management Agency Services	\$8,111	\$0	\$0	\$0	\$0
<b>Glendora</b>					
Altcom Employer Rideshare Program	\$10,865	\$0	\$0	\$0	\$0
Bike Racks	\$3,494	\$0	\$0	\$0	\$0
<b>Grand Terrace</b>					
Senior Transportation Program	\$5,000	\$0	\$0	\$0	\$10,000
<b>Hawaiian Gardens</b>					
Gateway Cities Strategic Transportation Plan (STP)	\$6,500	\$0	\$0	\$0	\$0
Hybrid Vehicle Purchase	\$32,142	\$0	\$0	\$0	\$0
<b>Hawthorne</b>					
2015 Ford Fusion Hybrid lease purchase	\$95,281	\$0	\$0	\$0	\$0
Financial Incentives for Rideshare	\$3,490	\$0	\$0	\$0	\$0
PM10 Reduction Street Sweeping Project	\$100,000	\$0	\$0	\$0	\$0
<b>Hemet</b>					
WRCOG Clean Cities Coalition	\$5,000	\$0	\$0	\$0	\$0



<b>Project Name</b>	<b>MVFees</b>	<b>MSRC</b>	<b>CMAQ</b>	<b>Moyer</b>	<b>CoFunding</b>
<b>Hermosa Beach</b>					
Auto Trip Reduction	\$2,970	\$0	\$0	\$0	\$0
Bike Purchases	\$1,007	\$0	\$0	\$0	\$0
Bike Workshop	\$1,280	\$0	\$0	\$0	\$0
CNG Station	\$63,848	\$0	\$0	\$0	\$0
<b>Hidden Hills</b>					
Purchase of One On-Road Light Duty Zero Emission Vehicle	\$24,272	\$10,000	\$0	\$0	\$0
<b>Highland</b>					
Class II Bike Lane Installation	\$1,047	\$1,047	\$0	\$0	\$0
Traffic Signal Synchronization	\$19,735	\$0	\$0	\$0	\$0
<b>Huntington Beach</b>					
Employee Rideshare Program	\$9,573	\$0	\$0	\$0	\$0
Project V Shuttle	\$21,793	\$0	\$0	\$0	\$0
Rule 2022 Filing	\$1,084	\$0	\$0	\$0	\$0
Traffic Counts	\$175	\$0	\$0	\$0	\$0
<b>Huntington Park</b>					
Fiat 500 E leased Vehicle	\$4,307	\$0	\$0	\$0	\$0
Hybrid Leased Vehicles	\$22,443	\$0	\$0	\$0	\$0
<b>Indian Wells</b>					
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$5,065	\$0	\$0	\$0	\$0
<b>Indio</b>					
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$61,794	\$0	\$0	\$0	\$0
<b>Inglewood</b>					
Purchase of 5 Vehicles	\$153,609	\$0	\$0	\$0	\$0
Rule 2202	\$13,900	\$0	\$0	\$0	\$0
<b>Irvine</b>					
Benches and Shelters for Station & Stops	\$28,637	\$0	\$0	\$0	\$0
CNG Conversion Cost for Street Sweeper	\$29,200	\$0	\$0	\$0	\$0
CNG Vehicles Conversion	\$47,300	\$0	\$0	\$0	\$0
Infrastructure and Amenity Improvements	\$153,085	\$0	\$0	\$0	\$0
Irvine Spectrum TMA	\$4,044	\$0	\$0	\$0	\$0
Purchase Rule 2202 Credits	\$8,998	\$0	\$0	\$0	\$0

<b>Project Name</b>	<b>MVFees</b>	<b>MSRC</b>	<b>CMAQ</b>	<b>Moyer</b>	<b>CoFunding</b>
Security Service Provided by Irvine PS at Train Station	\$230,000	\$0	\$0	\$0	\$0
<b>Irwindale</b>					
	\$0	\$0	\$0	\$0	\$0
<b>Jurupa Valley</b>					
Infrastructure-Refueling (Compressed Natural Gas) (Yr 3/3)	\$18,676	\$0	\$0	\$0	\$0
<b>La Canada Flintridge</b>					
	\$0	\$0	\$0	\$0	\$0
<b>La Habra</b>					
Shuttles to transport seniors	\$88,125	\$0	\$0	\$0	\$77,868
<b>La Habra Heights</b>					
	\$0	\$0	\$0	\$0	\$0
<b>La Mirada</b>					
2 Bicycles For Public Safety Program	\$1,145	\$0	\$0	\$0	\$0
Electric Primo Truck Ev 2xs72 Volt Agm	\$20,655	\$0	\$0	\$0	\$0
Fusion Hybrid 2.0l Ivct 14 Hev Ecvt-Qty 2	\$49,455	\$0	\$0	\$0	\$0
<b>La Palma</b>					
	\$0	\$0	\$0	\$0	\$0
<b>La Puente</b>					
	\$0	\$0	\$0	\$0	\$0
<b>La Quinta</b>					
Civic Center and Village EV Charging Stations	\$91,566	\$0	\$0	\$0	\$0
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$38,919	\$0	\$0	\$0	\$0
<b>La Verne</b>					
Bike, Carpool, Walk, Incentive Program	\$10,052	\$0	\$0	\$0	\$0
<b>Laguna Beach</b>					
Free Mainline Service during the Summer	\$8,206	\$0	\$0	\$0	\$0
Free Ride to Work Program	\$713	\$0	\$0	\$0	\$0
<b>Laguna Hills</b>					
	\$0	\$0	\$0	\$0	\$0
<b>Laguna Niguel</b>					
Hybrid Lease Vehicles	\$21,430	\$0	\$0	\$0	\$0
Traffic Signal Coordination	\$25,132	\$0	\$0	\$0	\$0

<b>Project Name</b>	<b>MVFees</b>	<b>MSRC</b>	<b>CMAQ</b>	<b>Moyer</b>	<b>CoFunding</b>
<b>Laguna Woods</b>					
	\$0	\$0	\$0	\$0	\$0
<b>Lake Elsinore</b>					
Citywide Dirt Road Paving Program	\$68,516	\$0	\$0	\$0	\$0
WRCOG Clean Cities Coalition	\$6,000	\$0	\$0	\$0	\$0
<b>Lake Forest</b>					
Alton Parkway Traffic Signal Synchronization	\$58	\$0	\$0	\$0	\$0
Bake Parkway Traffic Signal Synchronization Project	\$89	\$0	\$0	\$0	\$0
Barranca/Muirlands Traffic Signal Synchronization	\$1,109	\$0	\$0	\$0	\$0
Prof Serv-Traffic Engineer for Traffic Signal Monitoring	\$21,287	\$0	\$0	\$0	\$0
Signal Maintenance Centracs Software	\$6,922	\$0	\$0	\$0	\$0
<b>Lakewood</b>					
91/605/405 COG Major Corridor Study	\$9,939	\$0	\$0	\$0	\$0
CNG Fuel Tank Upgrade	\$7,289	\$0	\$0	\$0	\$0
<b>Lawndale</b>					
	\$0	\$0	\$0	\$0	\$0
<b>Loma Linda</b>					
City Street Sweeping	\$21,652	\$0	\$0	\$0	\$0
Fiber Optic Cable install - Traffic Signal Coordination	\$8,308	\$0	\$0	\$0	\$0
Install Fiber Optic cable for traffic signal coordination	\$20,000	\$0	\$0	\$0	\$0
<b>Lomita</b>					
Lease of Volkswagen e-Golf	\$2,998	\$0	\$0	\$0	\$0
Leasing alternative fuel street sweepers	\$15,000	\$0	\$0	\$0	\$0
<b>Long Beach</b>					
15TH St Bike Blvd	\$56,308	\$0	\$0	\$0	\$47,169
6th Street Traffic Calming	\$144,888	\$0	\$0	\$0	\$814,139
Alternative Fuel Vehicles	\$139,640	\$6,000	\$0	\$0	\$0
Bike Share - Bicycle Infrastructure	\$122,630	\$0	\$0	\$0	\$88,913
Bike Share - Bicycle Purchases	\$122,630	\$0	\$0	\$0	\$88,913
Bike Share Operations/Marketing	\$5,549	\$0	\$0	\$0	\$2,006
Class I Willow Bike Path to San Gabriel River	\$10,567	\$0	\$3,625	\$0	\$7,897
Class II Bike Lanes to LA River	\$683	\$0	\$0	\$0	\$14,365
Employee Bike Share	\$491	\$0	\$0	\$0	\$0
Livability Initiative	\$63	\$0	\$0	\$0	\$0

<b>Project Name</b>	<b>MVFees</b>	<b>MSRC</b>	<b>CMAQ</b>	<b>Moyer</b>	<b>CoFunding</b>
Market St Ped Improvements and Streetscape Enhancements	\$21,232	\$0	\$0	\$0	\$38,470
Pier J Bicycle Path	\$105,731	\$0	\$0	\$0	\$119
Rule 2202 Compliance	\$4,031	\$0	\$0	\$0	\$0
Wardlow Road Bike Buoys	\$29,288	\$0	\$0	\$0	\$0
<b>Los Alamitos</b>					
	\$0	\$0	\$0	\$0	\$0
<b>Los Angeles (City)</b>					
#1-Purch of 4 CNG Sewer & Catch Basin Cleaner Trucks	\$80,876	\$0	\$0	\$0	\$2,238,852
#2 Purch-8 CNG Peterbilt Solid Waste Collection Vehicles	\$180,876	\$0	\$0	\$0	\$2,238,852
Air Quality Education/Outreach Improvement Strategies	\$128,800	\$0	\$0	\$0	\$258,689
Alternative Commute/EV Car Share Program Implementation	\$608,733	\$0	\$0	\$0	\$0
Annual AB2766 Audit	\$12,456	\$0	\$0	\$0	\$0
Bicycle Transit Incentive Program	\$12,219	\$0	\$0	\$0	\$0
BOE Alt Fuel Infrastructure Eng Design & Tech Support	\$194,608	\$0	\$0	\$0	\$8,681
Deployment of EV Charging Stations at Citywide Locations	\$70,734	\$0	\$0	\$0	\$0
Employee's Transit Subsidy Program	\$627,892	\$0	\$0	\$0	\$1,529,426
Employer's Walk Incentive Program	\$17,954	\$0	\$0	\$0	\$0
Employer's Carpool Transit Incentive Program	\$100,991	\$0	\$0	\$0	\$0
Employer's Vanpool Program	\$180,039	\$0	\$0	\$0	\$587,718
First Mile-Last Mile Development and Implementation	\$175,909	\$0	\$0	\$0	\$0
LA-Deployment/Installation of CNG Infrastructure (GSD)	\$100,000	\$0	\$0	\$0	\$0
LADOT Trip Reduction Program Implementation	\$329,000	\$0	\$0	\$0	\$0
Land Use - LADOT Complete Streets	\$339,000	\$0	\$0	\$0	\$0
Seg 1 Abbot Kinney Bl between Pacific Av and Washington Bl	\$58,407	\$0	\$0	\$0	\$556,654
Seg 10 Manchester Av between Aviation Bl and Lincoln Bl	\$98,230	\$0	\$0	\$0	\$934,245
Seg 11 Mission Rd between Jesse St and Radiom Dr	\$164,397	\$0	\$0	\$0	\$1,576,539
Seg 12 Rampart Bl Between London St and Hoover St	\$51,872	\$0	\$0	\$0	\$494,371
Seg 13 Ventura Bl between Coldwater Cyn and Vineland Av	\$106,399	\$0	\$0	\$0	\$1,012,099
Seg 2 Crescent Heights bl between Romaine St and Beverly Bl	\$28,182	\$0	\$0	\$0	\$268,595
Seg 3 Fletcher Dr between Glendale Bl and Eagle Rock Bl	\$61,674	\$0	\$0	\$0	\$583,903
Seg 4 Foothill Bl between Sunland Bl and Wyngate St	\$52,893	\$0	\$0	\$0	\$506,049
Seg 5 Franklin Av between Highland Av and Western Av	\$66,167	\$0	\$0	\$0	\$622,830
Seg 6 Glendale Bl between Allesandro St and Beverly/1st Bl	\$71,681	\$0	\$0	\$0	\$681,220
Seg 7 Harbor Bl between Fron St and 22nd St	\$69,639	\$0	\$0	\$0	\$661,757
Seg 8 Hollywood Bl between La Brea Av and Wilton Pl	\$73,723	\$0	\$0	\$0	\$700,684
Seg 9 La Tijera Bl between Airport Bl and La Cienega Bl	\$50,647	\$0	\$0	\$0	\$486,586

<b>Project Name</b>	<b>MVFees</b>	<b>MSRC</b>	<b>CMAQ</b>	<b>Moyer</b>	<b>CoFunding</b>
Traffic Calming Studies and Implementation <b>Lynwood</b>	\$251,000	\$0	\$0	\$0	\$61,021
Charging Stations at City Hall <b>Malibu</b>	\$44,643	\$0	\$0	\$0	\$0
<b>Manhattan Beach</b>	\$0	\$0	\$0	\$0	\$0
Bike Rack Purchase	\$4,189	\$0	\$0	\$0	\$0
Rideshare Program <b>Maywood</b>	\$13,800	\$0	\$0	\$0	\$0
Installation of Charging Station for Electric Vehicles	\$34,103	\$0	\$0	\$0	\$0
Purchase of New Electric Vehicle <b>Meniffee</b>	\$29,186	\$0	\$0	\$0	\$0
Alternative Fuels Vehicle Purchase <b>Mission Viejo</b>	\$147,558	\$0	\$0	\$0	\$0
City of Mission Viejo Traffic Signal Synchronization: FY17-18	\$10,373	\$0	\$0	\$0	\$0
Land Use and Transportation VMT Reduction: FY17-18	\$38,246	\$0	\$0	\$0	\$2,500
Mission Viejo (MV) Shuttle: FY17-18 <b>Monrovia</b>	\$56,875	\$0	\$0	\$0	\$0
Monrovia Public Transportation Subsidy Program <b>Montclair</b>	\$9,068	\$0	\$0	\$0	\$0
Rideshare Program	\$25,855	\$0	\$0	\$0	\$0
Street Sweeper Purchase <b>Montebello</b>	\$93,334	\$0	\$0	\$0	\$0
Employee Commute Reduction Program <b>Monterey Park</b>	\$35,139	\$0	\$0	\$0	\$0
CNG Station Compression Services Tariff (CST) Agreement	\$71,200	\$0	\$0	\$0	\$104,228
Employee Rideshare Program <b>Moreno Valley</b>	\$16,000	\$0	\$0	\$0	\$0
Street Sweeping Program	\$180,711	\$0	\$0	\$0	\$0
WRCOG - Clean Cities Coalition	\$15,000	\$0	\$0	\$0	\$0

<b>Project Name</b>	<b>MVFees</b>	<b>MSRC</b>	<b>CMAQ</b>	<b>Moyer</b>	<b>CoFunding</b>
<b>Murrieta</b>					
Purchase of 2 Chevy Volts	\$69,033	\$0	\$0	\$0	\$0
Traffic Signal Optimization/Congestion Management (CIP 8330)	\$66,750	\$0	\$0	\$0	\$0
<b>Newport Beach</b>					
CNG Sewer Cleaning Vehicle	\$75,000	\$0	\$0	\$0	\$446,526
Electric Vehicle Charging Stations	\$29,948	\$0	\$0	\$0	\$0
Employee Rideshare Program	\$9,644	\$0	\$0	\$0	\$0
<b>Norco</b>					
Two 2018 Ford Cmax Hybrids	\$48,505	\$0	\$0	\$0	\$0
<b>Norwalk</b>					
Ab 2766 Audit Expenses	\$2,727	\$0	\$0	\$0	\$0
Cleaner Street Sweeping Contract	\$87,564	\$0	\$0	\$0	\$694,936
Transit Subsidy	\$11,501	\$0	\$0	\$0	\$0
<b>Ontario</b>					
Compressed Natural Gas - Slow Fill Posts	\$15,845	\$0	\$0	\$0	\$0
Electric Vehicle Charging Station	\$6,224	\$0	\$0	\$0	\$0
Public Grounds Maintenance - Bus Shelter	\$11,794	\$0	\$0	\$0	\$0
Rideshare	\$9,450	\$0	\$0	\$0	\$0
<b>Orange (City)</b>					
(4) 2018 Ford Focus Purchases	\$120,338	\$0	\$0	\$0	\$0
Bike Loan to Own Program	\$1,553	\$0	\$0	\$0	\$0
Police Bike Team	\$6,234	\$0	\$0	\$0	\$0
Purchase of EV Charging Stations	\$34,285	\$0	\$0	\$0	\$0
Trip Reduction Program	\$103,797	\$0	\$0	\$0	\$0
<b>Palm Desert</b>					
ChargePoint Network Service	\$4,480	\$0	\$0	\$0	\$0
City Rideshare Program	\$972	\$0	\$0	\$0	\$0
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$48,575	\$0	\$0	\$0	\$0
<b>Palm Springs</b>					
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$45,355	\$0	\$0	\$0	\$0
<b>Palos Verdes Estates</b>					
Alternative Fuel Vehicle Purchase	\$30,000	\$0	\$0	\$0	\$0

<b>Project Name</b>	<b>MVFees</b>	<b>MSRC</b>	<b>CMAQ</b>	<b>Moyer</b>	<b>CoFunding</b>
<b>Paramount</b>					
Purchase of Hybrid Vehicle	\$47,429	\$0	\$0	\$0	\$0
<b>Pasadena</b>					
Rideshare program	\$163,763	\$0	\$0	\$0	\$0
<b>Perris</b>					
Purchase of 5 (Five) Toyota RAV4 Hybrid XLE (New - 2018)	\$157,915	\$0	\$0	\$0	\$0
<b>Pico Rivera</b>					
City Hall Electric Vehicle Charging Stations (EVCS)	\$109,250	\$83,500	\$0	\$0	\$0
Development of Strategic Transportation Plans	\$10,600	\$0	\$0	\$0	\$0
Lease payments of (6) Hybrid Vehicles (2014 Toyota Prius C)	\$15,720	\$0	\$0	\$0	\$0
<b>Placentia</b>					
Chapman/Malvern Traffic Signal Synchronization	\$240	\$0	\$0	\$0	\$0
Placentia Avenue Traffic Signal Coordination	\$46,547	\$0	\$0	\$0	\$0
Placentia's Electric Vehicle Fleet Project: 10 Chevy Sparks	\$50,619	\$0	\$0	\$0	\$0
Senior Mobility Program	\$6,398	\$0	\$0	\$0	\$42,518
<b>Pomona</b>					
CNG Public Services Dump Truck for Asphalt	\$103,617	\$10,000	\$0	\$0	\$0
Purchase of Emission Credits	\$3,996	\$0	\$0	\$0	\$0
Traffic Operations Communication Upgrade	\$361,680	\$0	\$0	\$0	\$0
Traffic Signal and Street Light Program	\$4,029	\$0	\$0	\$0	\$0
Traffic Signal System Improvements - Citywide	\$258	\$0	\$0	\$0	\$0
<b>Rancho Cucamonga</b>					
Bus Stop/Various Locations	\$13,569	\$0	\$0	\$0	\$0
Employer Ride Share Program	\$17,835	\$0	\$0	\$0	\$0
PE Trail Enhancements	\$706	\$706	\$0	\$0	\$0
<b>Rancho Mirage</b>					
Regional PM10 Street Sweeping Using 2 Sweepers	\$17,427	\$0	\$0	\$0	\$0
<b>Rancho Palos Verdes</b>					
Route 225 Extension (Year 2 of 3)	\$49,995	\$0	\$0	\$0	\$0
<b>Rancho Santa Margarita</b>					
Antonio Parkway Signal & Equipment Upgrade	\$438	\$0	\$0	\$0	\$0
SMP Signal & Equipment Upgrade	\$1,020	\$0	\$0	\$0	\$0

<b>Project Name</b>	<b>MVFees</b>	<b>MSRC</b>	<b>CMAQ</b>	<b>Moyer</b>	<b>CoFunding</b>
<b>Redlands</b>					
Installation of Class II Bike Lanes	\$42,955	\$49,844	\$0	\$0	\$0
<b>Redondo Beach</b>					
Employee Rideshare	\$54,069	\$0	\$0	\$0	\$0
<b>Rialto</b>					
Employee Rideshare Program	\$58,592	\$0	\$0	\$0	\$0
<b>Riverside (City)</b>					
AQMD Rule 2202 Compliance	\$21,468	\$0	\$0	\$0	\$0
Bicycle Racks	\$1,444	\$0	\$0	\$0	\$0
BikeRiverside	\$43,243	\$0	\$0	\$0	\$0
City Pass Program	\$15,618	\$0	\$0	\$0	\$0
Clean Cities Coalition	\$25,000	\$0	\$0	\$0	\$0
Electric Vehicle Rebate Program	\$6,000	\$0	\$0	\$0	\$0
Employee Rideshare Program	\$1,200	\$0	\$0	\$0	\$0
ProjectDox	\$41,686	\$0	\$0	\$0	\$0
Riverside Go Transit Bus Pass Subsidy Program	\$84,541	\$0	\$0	\$0	\$0
Riverside Traffic Management Center	\$68,391	\$0	\$0	\$0	\$0
<b>Rolling Hills Estates</b>					
	\$0	\$0	\$0	\$0	\$0
<b>Rosemead</b>					
Electric Charging Station Installation	\$30,430	\$0	\$0	\$0	\$0
<b>San Bernardino (City)</b>					
Purchase of Ford C-Max Hybrid Vehicles	\$805,539	\$0	\$0	\$0	\$0
Rideshare Program	\$11,862	\$0	\$0	\$0	\$0
<b>San Clemente</b>					
Radar Speed Signs - Del Rio and La Pata	\$18,544	\$0	\$0	\$0	\$0
San Clemente Summer Trolley	\$151,858	\$0	\$0	\$0	\$14,000
Traffic Calming Measures on Riachuelo	\$9,461	\$0	\$0	\$0	\$84,371
<b>San Dimas</b>					
	\$0	\$0	\$0	\$0	\$0
<b>San Fernando</b>					
Alternative Fuel Fleet	\$50,107	\$0	\$0	\$0	\$0
CNG Station Upgrade Project	\$7,023	\$0	\$0	\$0	\$0



<b>Project Name</b>	<b>MVFees</b>	<b>MSRC</b>	<b>CMAQ</b>	<b>Moyer</b>	<b>CoFunding</b>
<b>San Gabriel</b>					
Ford Fusion Hybrid	\$50,881	\$0	\$0	\$0	\$0
<b>San Jacinto</b>					
Purchase of 5 2018 Toyota RAV4 Hybrids	\$152,249	\$0	\$0	\$0	\$0
WRCOG Clean Cities Coalition	\$12,000	\$0	\$0	\$0	\$0
<b>San Juan Capistrano</b>					
Countdown Pedestrian Signals Project	\$51,042	\$0	\$0	\$0	\$0
Sr. Nutritional Transportation Program	\$11,966	\$0	\$0	\$0	\$47,862
Trolley Program	\$42,913	\$0	\$0	\$0	\$77,634
<b>San Marino</b>					
	\$0	\$0	\$0	\$0	\$0
<b>Santa Ana</b>					
Blue Skies Rideshare	\$98,465	\$0	\$0	\$0	\$0
Electric Vehicle Purchase (Qty=2)	\$76,295	\$0	\$0	\$0	\$0
General Plan Circulation Element	\$32,684	\$0	\$0	\$0	\$0
General Plan Update & Land Use	\$63,506	\$0	\$33,500	\$0	\$0
Installation of EV Charging Stations (Ph I)	\$43,967	\$43,967	\$0	\$0	\$0
Leased EV	\$8,081	\$0	\$0	\$0	\$0
Metro Mixed Use Overlay District Air & GHG	\$11,243	\$0	\$0	\$0	\$0
TOD Parking Guidelines	\$62,228	\$0	\$0	\$0	\$0
<b>Santa Clarita</b>					
Bike to Work	\$2,586	\$0	\$0	\$0	\$0
EV Stations citywide	\$3,129	\$0	\$0	\$0	\$0
ITS PH IV & Signal Synchr (I0009)	\$21,149	\$0	\$0	\$0	\$121,047
Promotion and Advertising (bike to work)	\$3,495	\$0	\$0	\$0	\$0
Promotions and Advertising (rideshare)	\$3,421	\$0	\$0	\$0	\$0
Rideshare (Passes)	\$2,264	\$0	\$0	\$0	\$0
Vista Canyon Regional Transit Center (T3021)	\$20,414	\$0	\$0	\$0	\$45,437
<b>Santa Fe Springs</b>					
	\$0	\$0	\$0	\$0	\$0
<b>Santa Monica</b>					
EV Infrastructure Installation	\$38,675	\$0	\$0	\$0	\$0
Public Education - Sponsorship of the 2018 AltCar Expo	\$10,000	\$0	\$0	\$0	\$15,000
The purchase of five electric vehicles	\$24,806	\$0	\$0	\$0	\$113,684

<b>Project Name</b>	<b>MVFees</b>	<b>MSRC</b>	<b>CMAQ</b>	<b>Moyer</b>	<b>CoFunding</b>
<b>Seal Beach</b>					
Senior Transportation Nutritional Shuttle	\$31,537	\$0	\$0	\$0	\$61,913
<b>Sierra Madre</b>					
Purchase 2016 Ford Super Duty Vehicle	\$52,450	\$0	\$0	\$0	\$0
Purchase of 2016 Ford Vehicle	\$42,677	\$0	\$0	\$0	\$0
<b>Signal Hill</b>					
COG I-710 Corridor Study Joint Project	\$1,000	\$0	\$0	\$0	\$0
<b>South El Monte</b>					
Bus Pass Subsidy Program	\$5,935	\$0	\$0	\$0	\$0
<b>South Gate</b>					
(5) New Hybrid Vehicles for Community Development Department	\$139,537	\$0	\$0	\$0	\$0
<b>South Pasadena</b>					
2017 Chevrolet Bolt	\$37,727	\$0	\$0	\$0	\$0
<b>Stanton</b>					
Commute Incentive Program	\$715	\$0	\$0	\$0	\$0
Replacement of Bus Shelter	\$34,100	\$0	\$0	\$0	\$0
<b>Temecula</b>					
Temecula Park and Ride	\$135,000	\$0	\$0	\$0	\$3,517,937
WRCOG Clean Cities Coalition	\$10,000	\$0	\$0	\$0	\$0
<b>Temple City</b>					
Lease of Alternative Fuel Vehicles	\$30,969	\$0	\$0	\$0	\$0
<b>Torrance</b>					
Employee Rideshare	\$147,639	\$0	\$0	\$0	\$0
<b>Tustin</b>					
	\$0	\$0	\$0	\$0	\$0
<b>Upland</b>					
Rideshare Activities	\$12,927	\$0	\$0	\$0	\$0
Vehicle Purchase	\$29,393	\$0	\$0	\$0	\$0
<b>Villa Park</b>					
Pedestrian Sidewalk	\$4,287	\$0	\$0	\$0	\$0

<b>Project Name</b>	<b>MVFees</b>	<b>MSRC</b>	<b>CMAQ</b>	<b>Moyer</b>	<b>CoFunding</b>
<b>Walnut</b>					
Bus Pass Subsidies	\$6,500	\$0	\$0	\$0	\$0
Street Sweeping with CNG Sweeper	\$30,000	\$0	\$0	\$0	\$0
<b>West Covina</b>					
AQMD 2766 Annual Audit Fee	\$1,520	\$0	\$0	\$0	\$0
Design and Construction of CNG Station at Maintenance Yard	\$305,595	\$300,000	\$0	\$0	\$200,000
Electric Vehicle Charging Stations	\$55,140	\$54,199	\$0	\$0	\$0
Rule 2202 Compliance	\$8,795	\$0	\$0	\$0	\$0
<b>West Hollywood</b>					
Alternative Mode Transportation Incentive	\$27,546	\$0	\$0	\$0	\$0
<b>Westlake Village</b>					
Purchase and lease of 3 alternative fuel vehicles	\$35,575	\$0	\$0	\$0	\$0
<b>Westminster</b>					
Employee Rideshare Program	\$7,374	\$0	\$0	\$0	\$0
Project V - Little Saigon Shuttle Pilot Program	\$122,200	\$0	\$0	\$0	\$0
<b>Whittier</b>					
Dev. Gateway COG Strategic Transportation Plan	\$15,497	\$0	\$0	\$0	\$0
Employee-Based Trip Reduction	\$11,674	\$0	\$0	\$0	\$0
GO RIO Whittier College bus pass program	\$9,268	\$0	\$0	\$0	\$0
Rule 2202 Compliance - Emission Credits Purchased	\$5,300	\$0	\$0	\$0	\$0
Rule 2202 Filing Fee	\$569	\$0	\$0	\$0	\$0
<b>Wildomar</b>					
Grand Ave and Clinton Keith Bike Phase I	\$31,074	\$201,015	\$443,008	\$0	\$320,807
Lost Road Dust Program	\$29,265	\$0	\$0	\$0	\$0
<b>Yorba Linda</b>					
Vehicle replacement program to alternative fuels	\$25,795	\$0	\$0	\$0	\$0
<b>Yucaipa</b>					
12th & 13th, Avenue E to Oak Glen Road	\$8,616	\$0	\$0	\$0	\$0
Yucaipa Blvd ADA Sidewalk Project	\$49,572	\$0	\$0	\$0	\$0
<b>Totals</b>	<b>\$18,970,439</b>	<b>\$1,027,044</b>	<b>\$708,901</b>	<b>\$0</b>	<b>\$28,392,790</b>

## Range of Cost-Effectiveness by Subcategory for Fiscal Year 2017 - 2018

	Lowest (ROG + NOx + PM2.5)	Highest	Lowest (ROG + NOx + PM2.5 + CO/7)	Highest
<b>(1a) Alternative Fuel Vehicle Purchases</b>	\$15.21	\$325,916.45	\$14.98	\$82,169.07
<b>(1b) Alternative Fuel Vehicle Conversions</b>	\$4.34	\$11.89	\$4.30	\$11.74
<b>(1d) Electric Vehicle Purchases</b>	\$5.42	\$129,071.73	\$4.11	\$37,096.62
<b>(3c) Facilities (Pedestrian, mixed use, etc.)</b>	\$2.75	\$2.89	\$1.72	\$1.81
<b>(4c) Transit Operations (new service, shuttles, fuel subsidies)</b>	\$193.56	\$32,759.33	\$134.97	\$28,208.10
<b>(4d) Passenger Fare Subsidies</b>	\$14.15	\$251.39	\$8.91	\$157.23
<b>(5b) Traffic Flow or Signalization (timing, surveillance)</b>	\$0.59	\$710.72	\$0.46	\$552.78
<b>(5c) Alternate Mode Signalization (transit/bike pre-emption)</b>	\$28.71	\$28.71	\$28.71	\$28.71
<b>(6a) Employer-Based Trip Reduction</b>	\$3.70	\$725.07	\$2.32	\$425.29
<b>(6b) Other Trip Reduction Incentive Programs</b>	\$21.01	\$171.64	\$13.23	\$107.35
<b>(6c) Vanpool Programs</b>	\$41.56	\$1,772.12	\$47.56	\$3,025.31
<b>(8a) Bicycle Lanes and Trails (also bridges)</b>	\$1.04	\$18,967.60	\$0.65	\$11,977.59
<b>(8c) Bicycle Usage (electric bikes, purchases, loaner projects)</b>	\$27.25	\$14,781.06	\$16.60	\$5,285.73
<b>(9a) Road Dust Control (paving roads, shoulders, street</b>	\$3.51	\$145.34	\$3.50	\$145.33
<b>(10a) Short Term PE (promote transit, rideshare; conferences)</b>	\$67.62	\$67.62	\$42.29	\$42.29
<b>(11a) Miscellaneous (use with "Miscellaneous Projects")</b>	\$15.77	\$2,747.06	\$9.00	\$2,523.77

Cost-effectiveness is based on MV Fees + MSRC + Moyer funding.

## Average Cost-Effectiveness by Project

Fiscal Year 2017 - 2018

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)
<b>(I) Alternative Fuels/Electric Vehicles</b>					
<b>(1a) Alternative Fuel Vehicle Purchases</b>					
<i>Cypress</i>	Compressed Natural Gas Street Sweepers	\$519,000	\$60,843	4,061	\$14.98
<i>County of Orange</i>	Street Sweeper Replacement	\$342,841	\$40,191	2,297	\$17.50
<i>Baldwin Park</i>	Purchase of street sweeper model no.TYMCO 600-CNG/	\$133,988	\$15,707	647	\$24.28
<i>Montclair</i>	Street Sweeper Purchase	\$93,334	\$7,818	276	\$28.37
<i>Fontana</i>	AFV Rebate Program	\$500	\$71	2	\$47.40
<i>Arcadia</i>	Vehicle Replacement - Public Works Vehicle	\$50,000	\$5,862	41	\$144.67
<i>Norwalk</i>	Cleaner Street Sweeping Contract	\$87,564	\$90,191	4,176	\$21.60
<i>Cudahy</i>	Lease of 2 Hybrid Vehicles	\$1,625	\$231	1	\$308.07
<i>Huntington Park</i>	Hybrid Leased Vehicles	\$22,443	\$3,197	9	\$366.86
<i>Yorba Linda</i>	Vehicle replacement program to alternative fuels	\$25,795	\$3,024	6	\$536.58
<i>Calabasas</i>	Continued Lease of City Fleet Vehicles	\$30,754	\$3,090	5	\$652.65
<i>Los Angeles (City)</i>	#1-Purch of 4 CNG Sewer & Catch Basin Cleaner Trucks	\$80,876	\$9,481	393	\$24.15
<i>Pico Rivera</i>	Lease payments of (6) Hybrid Vehicles (2014 Toyota Prius C)	\$15,720	\$2,239	3	\$820.23
<i>Fullerton</i>	Lease of Pool Cars	\$7,970	\$1,135	1	\$883.43
<i>Los Angeles (City)</i>	#2 Purch-8 CNG Peterbilt Solid Waste Collection Vehicles	\$180,876	\$18,171	236	\$77.03
<i>Gardena</i>	Lease Payments for (1) 2018 Toyota Avalon Hybrid	\$7,367	\$1,049	1	\$1,069.23
<i>Hawthorne</i>	2015 Ford Fusion Hybrid lease purchase	\$95,281	\$13,573	11	\$1,204.25
<i>Temple City</i>	Lease of Alternative Fuel Vehicles	\$30,969	\$4,412	4	\$1,258.11
<i>Maywood</i>	Purchase of New Electric Vehicle	\$29,186	\$3,421	2	\$1,397.61
<i>Laguna Niguel</i>	Hybrid Lease Vehicles	\$21,430	\$3,053	2	\$1,558.00
<i>Long Beach</i>	Alternative Fuel Vehicles	\$139,640	\$17,073	10	\$1,716.31
<i>Gardena</i>	Lease Payments of (2) 2016 Ford Fusion Hybrid	\$13,488	\$1,921	1	\$2,038.04
<i>Alhambra</i>	Purchase of one (1) CNG Engine Regenerative Street Sweeper	\$314,078	\$36,820	18	\$2,070.60

<b>Project Category</b>	<b>Project Name</b>	<b>MVFees</b>	<b>Air Funds* Amortized</b>	<b>Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)</b>	<b>Cost- Effectiveness (\$/lb)</b>
<i>Upland</i>	Vehicle Purchase	\$29,393	\$4,187	2	\$2,228.98
<i>Menifee</i>	Alternative Fuels Vehicle Purchase	\$147,558	\$17,298	8	\$2,302.10
<i>Inglewood</i>	Purchase Of 5 Vehicles	\$153,609	\$21,883	9	\$2,329.74
<i>La Mirada</i>	Fusion Hybrid 2.0l Ivct 14 Hev Ecvr-Qty 2	\$49,455	\$7,045	3	\$2,547.68
<i>Gardena</i>	Lease Payments On (1) 2015 Chevrolet Volt	\$6,719	\$957	0	\$2,661.35
<i>Azusa</i>	Alternative Fuel Sweeper Lease(S)	\$22,914	\$2,686	1	\$2,241.00
<i>Newport Beach</i>	CNG Sewer Cleaning Vehicle	\$75,000	\$8,792	18	\$480.63
<i>Palos Verdes Estates</i>	Alternative Fuel Vehicle Purchase	\$30,000	\$4,274	1	\$3,412.51
<i>Perris</i>	Purchase Of 5 (Five) Toyota RAV4 Hybrid XLE (New - 2018)	\$157,915	\$22,496	7	\$3,454.40
<i>Agoura Hills</i>	2018 Toyota Highlander Hybrid Purchase	\$37,461	\$5,337	1	\$4,261.20
<i>Duarte</i>	Hybrid Vehicle Purchase	\$44,622	\$6,357	1	\$4,335.67
<i>San Fernando</i>	Alternative Fuel Fleet	\$50,107	\$7,138	2	\$4,396.27
<i>Westlake Village</i>	Purchase And Lease Of 3 Alternative Fuel Vehicles	\$35,575	\$5,068	1	\$4,471.48
<i>Paramount</i>	Purchase Of Hybrid Vehicle	\$47,429	\$6,757	2	\$4,495.89
<i>Murrieta</i>	Purchase Of 2 Chevy Volts	\$69,033	\$8,093	2	\$5,385.01
<i>San Gabriel</i>	Ford Fusion Hybrid	\$50,881	\$5,112	1	\$5,835.84
<i>Arcadia</i>	Vehicle Replacement - Passenger Car	\$38,771	\$4,545	1	\$6,048.82
<i>Gardena</i>	2017 Ford F650 LPG Asphalt/Patch Truck	\$36,495	\$4,278	1	\$6,474.57
<i>Pomona</i>	CNG Public Services Dump Truck For Asphalt	\$103,617	\$13,319	2	\$6,614.52
<i>San Jacinto</i>	Purchase Of 5 2018 Toyota RAV4 Hybrids	\$152,249	\$21,689	3	\$6,927.35
<i>Bellflower</i>	One Brand New 2017 Ford F-250 Cng Pickup	\$49,895	\$5,849	1	\$8,538.73
<i>Canyon Lake</i>	One 2018 Toyota Utility-Highlander	\$46,132	\$5,408	0	\$13,085.79
<i>Bell Gardens</i>	Vehicle Purchase	\$26,028	\$3,708	0	\$18,435.21
<i>Hawaiian Gardens</i>	Hybrid Vehicle Purchase	\$32,142	\$4,579	0	\$20,144.15
<i>South Gate</i>	(5) New Hybrid Vehicles For Community Development	\$139,537	\$19,878	1	\$23,256.24
<i>Norco</i>	Two 2018 Ford Cmax Hybrids	\$48,505	\$6,910	0	\$24,965.89
<i>Bellflower</i>	One Brand New 2018 Toyota Highlander	\$47,429	\$5,560	0	\$33,107.52
<i>Aliso Viejo</i>	1 Alternative Fuel Vehicle	\$29,800	\$3,493	0	\$33,812.10

<b>Project Category</b>	<b>Project Name</b>	<b>MVFees</b>	<b>Air Funds* Amortized</b>	<b>Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)</b>	<b>Cost- Effectiveness (\$/lb)</b>	
<i>San Bernardino (City)</i>	Purchase of Ford C-Max Hybrid Vehicles	\$805,539	\$114,754	1	\$80,250.78	
<i>Sierra Madre</i>	Purchase of 2016 Ford Vehicle	\$42,677	\$5,003	0	\$82,169.07	
<b>Subcategory Totals and Average cost-effectiveness**:</b>		<b>Subcategory Summary</b>	<b>\$4,851,211</b>	<b>\$695,029</b>	<b>12,269</b>	<b>\$56.65</b>
<b>(1b) Alternative Fuel Vehicle Conversions</b>						
<i>Irvine</i>	CNG Conversion Cost for Street Sweeper	\$29,200	\$3,423	797	\$4.30	
<i>Irvine</i>	CNG Vehicles Conversion	\$47,300	\$4,752	405	\$11.74	
<b>Subcategory Totals and Average cost-effectiveness**:</b>		<b>Subcategory Summary</b>	<b>\$76,500</b>	<b>\$8,175</b>	<b>1,202</b>	<b>\$6.80</b>
<b>(1d) Electric Vehicle Purchases</b>						
<i>Riverside (City)</i>	Electric Vehicle Rebate Program	\$6,000	\$703	171	\$4.11	
<i>Fontana</i>	AFV Rebate Program (2/3)	\$500	\$59	11	\$5.27	
<i>Fontana</i>	AFV Rebate Program (1/3)	\$500	\$59	11	\$5.27	
<i>Fontana</i>	AFV Rebate Program (3/3)	\$500	\$59	11	\$5.27	
<i>County of Orange</i>	Electric Forklift Replacement Program Purchase 1 Unit (1/2)	\$39,894	\$4,677	863	\$5.42	
<i>County of Orange</i>	Electric Forklift Replacement Program Purchase 1 Unit (2/2)	\$41,528	\$4,868	733	\$6.64	
<i>Lomita</i>	Lease of Volkswagen e-Golf	\$2,998	\$351	17	\$20.76	
<i>Garden Grove</i>	Alternative Fuel Vehicle Rebate Program	\$5,000	\$586	7	\$82.63	
<i>Santa Ana</i>	Leased EV	\$8,081	\$947	7	\$143.10	
<i>Garden Grove</i>	Alternative Fuel Vehicle Rebate Program	\$4,000	\$469	3	\$143.74	
<i>Huntington Park</i>	Fiat 500 E leased Vehicle	\$4,307	\$505	3	\$165.20	
<i>Placentia</i>	Placentia's Electric Vehicle Fleet Project: 10 Chevy Sparks	\$50,619	\$5,934	35	\$168.40	
<i>Hidden Hills</i>	Purchase of One On-Road Light Duty Zero Emission Vehicle	\$24,272	\$4,018	12	\$333.87	
<i>El Segundo</i>	New EV Vehicle for City Staff	\$35,000	\$4,103	9	\$442.47	
<i>Orange (City)</i>	(4) 2018 Ford Focus Purchases	\$120,338	\$14,107	28	\$507.10	
<i>South Pasadena</i>	2017 Chevrolet Bolt	\$37,727	\$4,423	7	\$596.18	
<i>Santa Monica</i>	The purchase of five electric vehicles	\$24,806	\$2,908	8	\$361.37	
<i>Colton</i>	Chevy Bolt Electric Vehicle Purchase	\$38,891	\$4,559	2	\$2,203.76	
<i>La Mirada</i>	Electric Primo Truck Ev 2xs72 Volt Agm	\$20,655	\$2,421	1	\$3,337.48	

<b>Project Category</b>	<b>Project Name</b>	<b>MVFees</b>	<b>Air Funds* Amortized</b>	<b>Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)</b>	<b>Cost- Effectiveness (\$/lb)</b>	
<i>El Monte</i>	Electric Vehicle Purchase	\$60,014	\$7,036	1	\$9,789.66	
<i>Covina</i>	1 Chevrolet Bolt EV Premier	\$45,606	\$5,346	0	\$25,738.65	
<i>Santa Ana</i>	Electric Vehicle Purchase (Qty=2)	\$76,295	\$8,944	0	\$37,096.62	
<b>Subcategory Totals and Average cost-effectiveness**:</b>		<b>Subcategory Summary</b>	<b>\$647,531</b>	<b>\$77,083</b>	<b>1,941</b>	<b>\$39.70</b>
		<b>Category Summary</b>	<b>\$5,575,242</b>	<b>\$780,287</b>	<b>15,412</b>	<b>\$50.63</b>
<b>(3) Land Use</b>						
<b>(3c) Facilities (Pedestrian, mixed use, etc.)</b>						
<i>Yucaipa</i>	12th & 13th, Avenue E to Oak Glen Road	\$8,616	\$579	336	\$1.72	
<i>Yucaipa</i>	Yucaipa Blvd ADA Sidewalk Project	\$49,572	\$3,332	1,843	\$1.81	
<b>Subcategory Totals and Average cost-effectiveness**:</b>		<b>Subcategory Summary</b>	<b>\$58,188</b>	<b>\$3,911</b>	<b>2,179</b>	<b>\$1.79</b>
		<b>Category Summary</b>	<b>\$58,188</b>	<b>\$3,911</b>	<b>2,179</b>	<b>\$1.79</b>
<b>(4) Public Transportation (Transit &amp; Rail)</b>						
<b>(4c) Transit Operations (new service, shuttles, fuel subsidies)</b>						
<i>San Clemente</i>	San Clemente Summer Trolley	\$151,858	\$156,414	1,159	\$134.97	
<i>Anaheim</i>	Art Shuttle - Route 17	\$6,710	\$6,911	49	\$140.90	
<i>Rancho Palos Verdes</i>	Route 225 Extension (Year 2 of 3)	\$49,995	\$51,495	193	\$266.70	
<i>Monrovia</i>	Monrovia Public Transportation Subsidy Program	\$9,068	\$9,340	22	\$425.26	
<i>Mission Viejo</i>	Mission Viejo (MV) Shuttle: FY17-18	\$56,875	\$58,581	71	\$825.42	
<i>San Juan Capistrano</i>	Sr. Nutritional Transportation Program	\$11,966	\$12,325	48	\$255.01	
<i>Seal Beach</i>	Senior Transportation Nutritional Shuttle	\$31,537	\$32,483	72	\$449.61	
<i>Grand Terrace</i>	Senior Transportation Program	\$5,000	\$5,150	8	\$639.51	
<i>Huntington Beach</i>	Project V Shuttle	\$21,793	\$22,447	9	\$2,540.04	
<i>San Juan Capistrano</i>	Trolley Program	\$42,913	\$44,200	44	\$1,000.57	
<i>La Habra</i>	Shuttles to transport seniors	\$88,125	\$90,769	18	\$4,960.93	
<i>Westminster</i>	Project V - Little Saigon Shuttle Pilot Program	\$122,200	\$125,866	4	\$28,208.10	
<i>Anaheim</i>	Ctr City Shuttle - Project V	\$37,912	\$39,050	1	\$26,387.63	



<b>Project Category</b>	<b>Project Name</b>	<b>MVFees</b>	<b>Air Funds* Amortized</b>	<b>Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)</b>	<b>Cost- Effectiveness (\$/lb)</b>
<b>Subcategory Totals and Average cost-effectiveness**:</b>	<b>Subcategory Summary</b>	<b>\$635,953</b>	<b>\$655,031</b>	<b>1,700</b>	<b>\$385.35</b>
<b>(4d) Passenger Fare Subsidies</b>					
<i>Riverside (City)</i>	Riverside Go Transit Bus Pass Subsidy Program	\$84,541	\$87,077	9,777	\$8.91
<i>South El Monte</i>	Bus Pass Subsidy Program	\$5,935	\$6,113	552	\$11.08
<i>Corona</i>	Corona Cruiser Fare Subsidy	\$2,623	\$2,701	205	\$13.20
<i>Laguna Beach</i>	Free Ride to Work Program	\$713	\$734	32	\$22.76
<i>Laguna Beach</i>	Free Mainline Service during the Summer	\$8,206	\$8,452	218	\$38.75
<i>Walnut</i>	Bus Pass Subsidies	\$6,500	\$6,695	134	\$49.91
<i>Azusa</i>	Transit Pass Subsidy	\$4,480	\$4,614	75	\$61.48
<i>Riverside (City)</i>	City Pass Program	\$15,618	\$16,087	218	\$73.80
<i>Norwalk</i>	Transit Subsidy	\$11,501	\$11,846	145	\$81.71
<i>Garden Grove</i>	Transit Subsidy (Metrolink & Bus)	\$4,012	\$4,132	45	\$92.47
<i>Claremont</i>	Public Transportation Reimbursement	\$3,125	\$3,218	20	\$157.23
<i>Anaheim</i>	Metrolink OCTA	\$120,253	\$123,860	853	\$145.23
<b>Subcategory Totals and Average cost-effectiveness**:</b>	<b>Subcategory Summary</b>	<b>\$267,505</b>	<b>\$275,531</b>	<b>12,274</b>	<b>\$22.45</b>
	<b>Category Summary</b>	<b>\$903,458</b>	<b>\$930,562</b>	<b>13,974</b>	<b>\$66.59</b>
<b>(5) Traffic Management</b>					
<b>(5b) Traffic Flow or Signalization (timing, surveillance)</b>					
<i>Rancho Santa Margarita</i>	SMP Signal & Equipment Upgrade	\$1,020	\$223	481	\$0.46
<i>Costa Mesa</i>	17th. St. Signal Synchronization Project	\$389	\$401	291	\$1.38
<i>Mission Viejo</i>	City of Mission Viejo Traffic Signal Synchronization:FY17-18	\$10,373	\$3,667	1,810	\$2.03
<i>Costa Mesa</i>	Victoria St. Traffic Signal Synchronization Project	\$571	\$588	191	\$3.07
<i>Laguna Niguel</i>	Traffic Signal Coordination	\$25,132	\$25,886	6,860	\$3.77
<i>Highland</i>	Traffic Signal Synchronization	\$19,735	\$4,309	906	\$4.76
<i>Santa Clarita</i>	ITS PH IV & Signal Synchr (I0009)	\$21,149	\$4,618	1,858	\$2.49
<i>Murrieta</i>	Traffic Signal Optimization/Congestion Management (CIP 8330)	\$66,750	\$14,575	325	\$44.89
<i>Costa Mesa</i>	Sunflower Traffic Signal Synchronization Project	\$37,282	\$38,400	529	\$72.61

Project Category	Project Name	MV Fees	Air Funds* Amortized	Emission	Cost-	
				Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Effectiveness (\$/lb)	
<i>Loma Linda</i>	Fiber Optic Cable install - Traffic Signal Coordination	\$8,308	\$1,814	15	\$123.40	
<i>Artesia</i>	Pre-Emption Replacement	\$10,825	\$2,364	17	\$139.43	
<i>Los Angeles (City)</i>	Seg 9 La Tijera Bl between Airport Bl and La Cienega Bl	\$50,647	\$11,059	701	\$15.79	
<i>Riverside (City)</i>	Riverside Traffic Management Center	\$68,391	\$14,933	88	\$169.52	
<i>Los Angeles (City)</i>	Seg 5 Franklin Av between Highland Av and Western Av	\$66,167	\$14,448	402	\$35.92	
<i>Loma Linda</i>	Install Fiber Optic cable for traffic signal coordination	\$20,000	\$4,367	11	\$398.26	
<i>Los Angeles (City)</i>	Seg 4 Foothill Bl between Sunland Bl and Wyngate St	\$52,893	\$11,549	276	\$41.82	
<i>Los Angeles (City)</i>	Seg 10 Manchester Av between Aviation Bl and Lincoln Bl	\$98,230	\$21,449	412	\$52.06	
<i>Los Angeles (City)</i>	Seg 11 Mission Rd between Jesse St and Radiom Dr	\$164,397	\$35,897	694	\$51.73	
<i>Placentia</i>	Placentia Avenue Traffic Signal Coordination	\$46,547	\$10,164	18	\$552.78	
<i>Los Angeles (City)</i>	Seg 3 Fletcher Dr between Glendale Bl and Eagle Rock Bl	\$61,674	\$13,467	251	\$53.63	
<i>Los Angeles (City)</i>	Seg 6 Glendale Bl between Allesandro St and Beverly/1st Bl	\$71,681	\$15,652	289	\$54.18	
<i>Los Angeles (City)</i>	Seg 12 Rampart Bl Between London St and Hoover St	\$51,872	\$11,326	201	\$56.28	
<i>Los Angeles (City)</i>	Seg 13 Ventura Bl between Coldwater Cyn and Vineland Av	\$106,399	\$23,233	397	\$58.51	
<i>Los Angeles (City)</i>	Seg 1 Abbot Kinney Bl between Pacific Av and Washington Bl	\$58,407	\$12,753	197	\$64.59	
<i>Los Angeles (City)</i>	Seg 8 Hollywood Bl between La Brea Av and Wilton Pl	\$73,723	\$16,098	207	\$77.80	
<i>Los Angeles (City)</i>	Seg 7 Harbor Bl between Fron St and 22nd St	\$69,639	\$15,206	190	\$79.94	
<i>Los Angeles (City)</i>	Seg 2 Crescent Heights bl between Romaine St and Beverly Bl	\$28,182	\$6,154	72	\$85.91	
<b>Subcategory Totals and Average cost-effectiveness**:</b>		<b>Subcategory Summary</b>	<b>\$1,290,383</b>	<b>\$334,600</b>	<b>17,691</b>	<b>\$18.91</b>
<b>(5c) Alternate Mode Signalization (transit/bike pre-emption)</b>						
<i>San Juan Capistrano</i>	Countdown Pedestrian Signals Project	\$51,042	\$52,573	1,831	\$28.71	
<b>Subcategory Totals and Average cost-effectiveness**:</b>		<b>Subcategory Summary</b>	<b>\$51,042</b>	<b>\$52,573</b>	<b>1,831</b>	<b>\$28.71</b>
		<b>Category Summary</b>	<b>\$1,341,425</b>	<b>\$387,174</b>	<b>19,522</b>	<b>\$19.83</b>
<b>(6) Transportation Demand Management</b>						
<b>(6a) Employer-Based Trip Reduction</b>						
<i>County of Riverside</i>	Commuter Services Rideshare Program	\$145,169	\$149,524	15,732	\$9.50	
<i>Bell Gardens</i>	Employee Rideshare Subsidies	\$386	\$398	41	\$9.71	

<b>Project Category</b>	<b>Project Name</b>	<b>MVFees</b>	<b>Air Funds* Amortized</b>	<b>Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)</b>	<b>Cost- Effectiveness (\$/lb)</b>
<i>County of Orange</i>	Employee Rideshare Program	\$35,000	\$36,050	15,508	\$2.32
<i>Riverside (City)</i>	Employee Rideshare Program	\$1,200	\$1,236	95	\$12.95
<i>County of LA</i>	Employee Commute Reduction Program	\$710,286	\$731,595	38,454	\$19.03
<i>Bell Gardens</i>	Alternative Transportation	\$1,155	\$1,190	61	\$19.37
<i>Ontario</i>	Rideshare	\$9,450	\$9,733	454	\$21.45
<i>Anaheim</i>	Trip Reduction Program	\$79,813	\$82,207	3,070	\$26.78
<i>Fontana</i>	Employee Rideshare Program	\$13,914	\$14,332	410	\$34.97
<i>Santa Clarita</i>	Rideshare (Passes)	\$2,264	\$2,332	63	\$37.03
<i>Westminster</i>	Employee Rideshare Program	\$7,374	\$7,595	205	\$37.11
<i>Torrance</i>	Employee Rideshare	\$147,639	\$152,068	3,806	\$39.96
<i>Azusa</i>	Rideshare Financial Incentives	\$7,092	\$7,305	163	\$44.84
<i>Compton</i>	Rideshare Incentive Payments	\$20,738	\$21,360	439	\$48.66
<i>County of San Bernardino</i>	Employee Commute Reduction Program	\$228,106	\$234,949	4,758	\$49.38
<i>Pasadena</i>	Rideshare program	\$163,763	\$168,676	3,331	\$50.63
<i>Newport Beach</i>	Employee Rideshare Program	\$9,644	\$9,934	187	\$53.08
<i>Huntington Beach</i>	Employee Rideshare Program	\$9,573	\$9,860	174	\$56.67
<i>Commerce</i>	Employer Based Trip Reduction	\$16,599	\$17,097	292	\$58.62
<i>Palm Desert</i>	City Rideshare Program	\$972	\$1,001	17	\$59.71
<i>Los Angeles (City)</i>	Employer's Carpool Transit Incentive Program	\$100,991	\$104,021	1,728	\$60.20
<i>El Segundo</i>	City employee ride share program	\$7,500	\$7,725	128	\$60.39
<i>Glendora</i>	Altcom Employer Rideshare Program	\$10,865	\$11,191	179	\$62.48
<i>Redondo Beach</i>	Employee Rideshare	\$54,069	\$55,691	810	\$68.77
<i>Montebello</i>	Employee Commute Reduction Program	\$35,139	\$36,193	498	\$72.67
<i>Hermosa Beach</i>	Auto Trip Reduction	\$2,970	\$3,059	41	\$74.73
<i>Hawthorne</i>	Financial Incentives for Rideshare	\$3,490	\$3,595	48	\$75.27
<i>Baldwin Park</i>	Employer Trip Reduction Incentive Programs	\$1,520	\$1,566	19	\$83.44
<i>Burbank</i>	Employee Rideshare Subsidies	\$27,658	\$28,488	276	\$103.10
<i>Orange (City)</i>	Trip Reduction Program	\$103,797	\$106,911	1,023	\$104.46

<b>Project Category</b>	<b>Project Name</b>	<b>MVFees</b>	<b>Air Funds* Amortized</b>	<b>Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)</b>	<b>Cost- Effectiveness (\$/lb)</b>
<i>Cerritos</i>	City Employee Rideshare Trip Rebate Program	\$26,110	\$26,893	254	\$105.82
<i>San Bernardino (City)</i>	Rideshare Program	\$11,862	\$12,218	90	\$136.44
<i>Arcadia</i>	Rideshare Plus Program	\$20,162	\$20,767	133	\$156.09
<i>Manhattan Beach</i>	Rideshare Program	\$13,800	\$14,214	90	\$157.23
<i>Garden Grove</i>	TDM Services	\$23,556	\$24,263	149	\$163.16
<i>West Hollywood</i>	Alternative Mode Transportation Incentive	\$27,546	\$28,372	157	\$180.72
<i>Upland</i>	Rideshare Activities	\$12,927	\$13,314	66	\$202.75
<i>Los Angeles (City)</i>	Employee's Transit Subsidy Program	\$627,892	\$646,729	10,737	\$60.23
<i>Los Angeles (City)</i>	Employer's Walk Incentive Program	\$17,954	\$18,493	87	\$212.64
<i>Stanton</i>	Commute Incentive Program	\$715	\$736	3	\$215.88
<i>Whittier</i>	Employee-Based Trip Reduction	\$11,674	\$12,024	55	\$217.67
<i>Santa Ana</i>	Blue Skies Rideshare	\$98,465	\$101,419	465	\$218.11
<i>Rialto</i>	Employee Rideshare Program	\$58,592	\$60,350	266	\$226.80
<i>Montclair</i>	Rideshare Program	\$25,855	\$26,631	102	\$260.21
<i>Burbank</i>	Employee Transit Subsidies	\$28,749	\$29,611	112	\$265.04
<i>Carson</i>	Employee Carpool Program	\$29,132	\$30,006	109	\$274.87
<i>El Monte</i>	Monthly Rideshare Incentive	\$53,160	\$54,754	197	\$278.03
<i>La Verne</i>	Bike, Carpool, Walk, Incentive Program	\$10,052	\$10,354	36	\$287.00
<i>Downey</i>	Downey Employee "Thumbs Up" Commuting Program	\$114,367	\$117,798	285	\$413.54
<i>Rancho Cucamonga</i>	Employer Ride Share Program	\$17,835	\$18,370	43	\$422.34
<i>Los Angeles (City)</i>	Bicycle Transit Incentive Program	\$12,219	\$12,586	30	\$425.29
<b>Subcategory Totals and Average cost-effectiveness**:</b>	<b>Subcategory Summary</b>	<b>\$3,200,759</b>	<b>\$3,296,782</b>	<b>105,476</b>	<b>\$31.26</b>
<b>(6b) Other Trip Reduction Incentive Programs</b>					
<i>Whittier</i>	GO RIO Whittier College bus pass program	\$9,268	\$9,546	721	\$13.23
<i>Monterey Park</i>	Employee Rideshare Program	\$16,000	\$16,480	154	\$107.35
<b>Subcategory Totals and Average cost-effectiveness**:</b>	<b>Subcategory Summary</b>	<b>\$25,268</b>	<b>\$26,026</b>	<b>875</b>	<b>\$29.75</b>

<b>Project Category</b>	<b>Project Name</b>	<b>MVFees</b>	<b>Air Funds* Amortized</b>	<b>Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)</b>	<b>Cost- Effectiveness (\$/lb)</b>	
<b>(6c) Vanpool Programs</b>						
<i>County of San Bernardino</i>	Vanpool Subsidy Program	\$15,947	\$16,425	286	\$57.41	
<i>Los Angeles (City)</i>	Employer's Vanpool Program	\$180,039	\$185,440	3,899	\$47.56	
<i>Anaheim</i>	Citywide Vanpool Program	\$124,319	\$128,049	363	\$353.03	
<i>Garden Grove</i>	Vanpool Program Conventional Gas	\$62,275	\$64,143	21	\$3,025.31	
<b>Subcategory Totals and Average cost-effectiveness**:</b>		<b>Subcategory Summary</b>	<b>\$382,580</b>	<b>\$394,057</b>	<b>4,569</b>	<b>\$86.25</b>
		<b>Category Summary</b>	<b>\$3,608,607</b>	<b>\$3,716,865</b>	<b>110,920</b>	<b>\$33.51</b>
<b>(8) Bicycles</b>						
<b>(8a) Bicycle Lanes and Trails (also bridges)</b>						
<i>Rancho Cucamonga</i>	PE Trail Enhancements	\$706	\$118	45	\$2.61	
<i>Long Beach</i>	Class I Willow Bike Path to San Gabriel River	\$10,567	\$710	183	\$3.88	
<i>Long Beach</i>	Class II Bike Lanes to LA River	\$683	\$57	88	\$0.65	
<i>Long Beach</i>	Wardlow Road Bike Buoys	\$29,288	\$2,453	171	\$14.35	
<i>Highland</i>	Class II Bike Lane Installation	\$1,047	\$175	6	\$31.27	
<i>Redlands</i>	Installation of Class II Bike Lanes	\$42,955	\$7,773	183	\$42.46	
<i>Fullerton</i>	East Wilshire Bike Boulevard	\$6,763	\$6,966	74	\$94.65	
<i>Long Beach</i>	15TH St Bike Blvd	\$56,308	\$4,717	69	\$68.02	
<i>Fontana</i>	Safe Routes to School	\$11,823	\$990	2	\$526.76	
<i>Long Beach</i>	Market St Ped Improvements and Streetscape Enhancements	\$21,232	\$1,779	3	\$668.94	
<i>Brea</i>	Tracks at Brea (Segment 4)	\$50,000	\$21,292	86	\$248.17	
<i>Wildomar</i>	Grand Ave and Clinton Keith Bike Phase I	\$31,074	\$19,441	16	\$1,242.21	
<i>Long Beach</i>	Pier J Bicycle Path	\$105,731	\$8,857	1	\$11,977.59	
<b>Subcategory Totals and Average cost-effectiveness**:</b>		<b>Subcategory Summary</b>	<b>\$368,176</b>	<b>\$75,329</b>	<b>926</b>	<b>\$81.38</b>
<b>(8c) Bicycle Usage (electric bikes, purchases, loaner projects)</b>						
<i>Long Beach</i>	Employee Bike Share	\$491	\$506	30	\$16.60	
<i>Orange (City)</i>	Police Bike Team	\$6,234	\$731	14	\$52.54	
<i>Hermosa Beach</i>	Bike Purchases	\$1,007	\$143	1	\$96.69	

<b>Project Category</b>	<b>Project Name</b>	<b>MVFees</b>	<b>Air Funds* Amortized</b>	<b>Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)</b>	<b>Cost- Effectiveness (\$/lb)</b>
<i>Orange (City)</i>	Bike Loan to Own Program	\$1,553	\$1,600	13	\$119.79
<i>Long Beach</i>	Bike Share - Bicycle Purchases	\$122,630	\$19,683	227	\$86.58
<i>Garden Grove</i>	Bicycle Purchase Loan Program	\$959	\$988	1	\$882.60
<i>La Mirada</i>	2 Bicycles For Public Safety Program	\$1,145	\$163	0	\$5,285.73
<b>Subcategory Totals and Average cost-effectiveness**:</b>	<b>Subcategory Summary</b>	<b>\$134,019</b>	<b>\$23,813</b>	<b>288</b>	<b>\$82.77</b>
	<b>Category Summary</b>	<b>\$502,195</b>	<b>\$99,142</b>	<b>1,213</b>	<b>\$81.71</b>
<b>(9) PM Reduction Strategies</b>					
<b>(9a) Road Dust Control (paving roads, shoulders, street sweeping)</b>					
<i>Walnut</i>	Street Sweeping with CNG Sweeper	\$30,000	\$3,517	1,004	\$3.50
<i>Hawthorne</i>	PM10 Reduction Street Sweeping Project	\$100,000	\$11,723	2,364	\$4.96
<i>Lomita</i>	Leasing alternative fuel street sweepers	\$15,000	\$1,758	264	\$6.66
<i>El Monte</i>	Regional PM10 Street Sweeper Contract (2 Vehicles)	\$26,000	\$26,780	3,872	\$6.92
<i>Moreno Valley</i>	Street Sweeping Program	\$180,711	\$23,209	2,198	\$10.56
<i>Loma Linda</i>	City Street Sweeping	\$21,652	\$2,538	61	\$41.85
<i>Indio</i>	Regional PM10 Street Sweeping Program Using 2 Sweepers	\$61,794	\$63,648	599	\$106.19
<i>County of Riverside</i>	Regional PM10 Street Sweeping Program Using 2 Sweepers	\$48,734	\$50,196	353	\$142.39
<i>Indian Wells</i>	Regional PM10 Street Sweeping Program Using 2 Sweepers	\$5,065	\$5,217	36	\$143.10
<i>La Quinta</i>	Regional PM10 Street Sweeping Program Using 2 Sweepers	\$38,919	\$40,087	279	\$143.72
<i>Cathedral City</i>	Regional PM10 Street Sweeping Program Using 2 Sweepers	\$52,245	\$53,813	373	\$144.22
<i>Coachella</i>	Regional PM10 Street Sweeping Program Using 2 Sweepers	\$43,600	\$44,908	311	\$144.25
<i>Palm Desert</i>	Regional PM10 Street Sweeping Program Using 2 Sweepers	\$48,575	\$50,032	346	\$144.42
<i>Palm Springs</i>	Regional PM10 Street Sweeping Program Using 2 Sweepers	\$45,355	\$46,716	323	\$144.71
<i>Desert Hot Springs</i>	Regional PM 10 Street Sweeping Program	\$26,853	\$27,659	191	\$144.95
<i>Rancho Mirage</i>	Regional PM10 Street Sweeping Using 2 Sweepers	\$17,427	\$17,950	124	\$145.33
<b>Subcategory Totals and Average cost-effectiveness**:</b>	<b>Subcategory Summary</b>	<b>\$761,931</b>	<b>\$469,751</b>	<b>12,697</b>	<b>\$37.00</b>
	<b>Category Summary</b>	<b>\$761,931</b>	<b>\$469,751</b>	<b>12,697</b>	<b>\$37.00</b>

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)	
<b>(10) Public Education</b>						
<b>(10a) Short Term PE (promote transit, rideshare; conferences)</b>						
<i>Santa Clarita</i>	Bike to Work	\$2,586	\$2,663	63	\$42.29	
<b>Subcategory Totals and Average cost-effectiveness**:</b>		<b>Subcategory Summary</b>	<b>\$2,586</b>	<b>\$2,663</b>	<b>63</b>	<b>\$42.29</b>
		<b>Category Summary</b>	<b>\$2,586</b>	<b>\$2,663</b>	<b>63</b>	<b>\$42.29</b>
<b>(11) Miscellaneous Projects</b>						
<b>(11a) Miscellaneous (use with "Miscellaneous Projects" Category)</b>						
<i>Pomona</i>	Purchase of Emission Credits	\$3,996	\$4,116	457	\$9.00	
<i>Riverside (City)</i>	AQMD Rule 2202 Compliance	\$21,468	\$22,112	1,658	\$13.33	
<i>Inglewood</i>	Rule 2202	\$13,900	\$14,317	953	\$15.03	
<i>Irvine</i>	Purchase Rule 2202 Credits	\$8,998	\$9,268	562	\$16.50	
<i>County of Riverside</i>	Purchase of Mobile Source Emission Reduction Credits	\$248,400	\$255,852	14,843	\$17.24	
<i>Chino</i>	Vehicle Emission Credits Purchased	\$5,047	\$5,198	250	\$20.83	
<i>Fullerton</i>	Rule 2202 Emission Credits	\$20,769	\$21,392	600	\$35.64	
<i>Riverside (City)</i>	ProjectDox	\$41,686	\$42,937	17	\$2,523.77	
<b>Subcategory Totals and Average cost-effectiveness**:</b>		<b>Subcategory Summary</b>	<b>\$364,264</b>	<b>\$375,192</b>	<b>19,340</b>	<b>\$19.40</b>
		<b>Category Summary</b>	<b>\$364,264</b>	<b>\$375,192</b>	<b>19,340</b>	<b>\$19.40</b>
		<b>Program Summary</b>	<b>\$13,117,895</b>	<b>\$6,765,548</b>	<b>195,321</b>	<b>\$34.64</b>

\*Air Funds amortized equals (MV Fees + MSRC + Moyer) multiplied by the Capital Recovery Factor.

Cost-effectiveness is based on air funds and on ROG + NOx + PM2.5 + CO/7.

Only those projects with cost-effectiveness greater than zero are included in this report.

## Cost-Effectiveness of Funding by Project

Fiscal Year 2017 - 2018

Project Category	Project Name	Cost-Effectiveness (\$/lb)		Cost-Effectiveness (\$/lb)	
		*Based on		Based on	
		ROG+NOx+PM2.5		ROG+NOx+PM2.5+CO/7	
		Air Funds	ALL Funds	Air Funds	ALL Funds
<b>(1) Alternative Fuels/Electric Vehicles</b>					
<i>Agoura Hills</i>	2018 Toyota Highlander Hybrid Purchase	\$17,305.70	\$17,305.70	\$4,261.20	\$4,261.20
<i>Alhambra</i>	Purchase of one (1) CNG Engine	\$2,071.71	\$2,071.71	\$2,070.60	\$2,070.60
<i>Aliso Viejo</i>	1 alternative fuel vehicle	\$137,318.54	\$137,318.54	\$33,812.10	\$33,812.10
<i>Arcadia</i>	Vehicle Replacement - Public Works Vehicle	\$146.49	\$146.49	\$144.67	\$144.67
<i>Arcadia</i>	Vehicle Replacement - Passenger Car	\$24,565.62	\$24,565.62	\$6,048.82	\$6,048.82
<i>Azusa</i>	Alternative Fuel Sweeper Lease(s)	\$2,242.63	\$2,990.18	\$2,241.00	\$2,988.00
<i>Baldwin Park</i>	Purchase of street sweeper model	\$24.38	\$24.38	\$24.28	\$24.28
<i>Bell Gardens</i>	Vehicle Purchase	\$74,869.51	\$74,869.51	\$18,435.21	\$18,435.21
<i>Bellflower</i>	One Brand New 2018 Toyota	\$134,457.07	\$134,457.07	\$33,107.52	\$33,107.52
<i>Bellflower</i>	One Brand New 2017 Ford F-250	\$8,538.73	\$8,538.73	\$8,538.73	\$8,538.73
<i>Calabasas</i>	Continued Lease of City Fleet Vehicles	\$2,650.57	\$2,650.57	\$652.65	\$652.65
<i>Canyon Lake</i>	One 2018 Toyota Utility-Highlander	\$53,144.31	\$53,144.31	\$13,085.79	\$13,085.79
<i>Colton</i>	Chevy Bolt Electric Vehicle Purchase	\$7,667.62	\$7,667.62	\$2,203.76	\$2,203.76
<i>County of Orange</i>	Electric Forklift Replacement Program	\$5.42	\$5.42	\$5.42	\$5.42
<i>County of Orange</i>	Street Sweeper Replacement	\$17.63	\$17.63	\$17.50	\$17.50
<i>County of Orange</i>	Electric Forklift Replacement Program	\$6.64	\$6.64	\$6.64	\$6.64
<i>Covina</i>	1 Chevrolet Bolt EV Premier	\$89,553.49	\$89,553.49	\$25,738.65	\$25,738.65
<i>Cudahy</i>	Lease of 2 Hybrid Vehicles	\$1,251.16	\$1,251.16	\$308.07	\$308.07
<i>Cypress</i>	Compressed Natural Gas Street Sweepers	\$15.21	\$15.21	\$14.98	\$14.98
<i>Duarte</i>	Hybrid vehicle purchase	\$17,608.13	\$17,608.13	\$4,335.67	\$4,335.67
<i>El Monte</i>	Electric Vehicle Purchase	\$34,061.54	\$34,061.54	\$9,789.66	\$9,789.66
<i>El Segundo</i>	New EV Vehicle for City Staff	\$1,539.50	\$1,539.50	\$442.47	\$442.47



Project Category	Project Name	Cost-Effectiveness (\$/lb)		Cost-Effectiveness (\$/lb)	
		*Based on		Based on	
		ROG+NOx+PM2.5		ROG+NOx+PM2.5+CO/7	
		Air Funds	ALL Funds	Air Funds	ALL Funds
Fontana	AFV Rebate Program	\$192.49	\$192.49	\$47.40	\$47.40
Fontana	AFV Rebate Program (3/3)	\$18.33	\$18.33	\$5.27	\$5.27
Fontana	AFV Rebate Program (1/3)	\$18.33	\$18.33	\$5.27	\$5.27
Fontana	AFV Rebate Program (2/3)	\$18.33	\$18.33	\$5.27	\$5.27
Fullerton	Lease of Pool Cars	\$3,587.79	\$3,587.79	\$883.43	\$883.43
Garden Grove	Alternative Fuel Vehicle Rebate Program	\$287.49	\$287.49	\$82.63	\$82.63
Garden Grove	Alternative Fuel Vehicle Rebate Program	\$583.74	\$583.74	\$143.74	\$143.74
Gardena	2017 Ford F650 LPG Asphalt/Patch Truck	\$6,474.57	\$6,474.57	\$6,474.57	\$6,474.57
Gardena	Lease Payments on (1) 2015 Chevrolet Volt	\$10,808.34	\$10,808.34	\$2,661.35	\$2,661.35
Gardena	Lease Payments for (1) 2018 Toyota Avalon	\$4,342.38	\$4,342.38	\$1,069.23	\$1,069.23
Gardena	Lease Payments of (2) 2016 Ford Fusion	\$8,276.93	\$8,276.93	\$2,038.04	\$2,038.04
Hawaiian Gardens	Hybrid Vehicle Purchase	\$81,809.93	\$81,809.93	\$20,144.15	\$20,144.15
Hawthorne	2015 Ford Fusion Hybrid lease purchase	\$4,890.73	\$4,890.73	\$1,204.25	\$1,204.25
Hidden Hills	Purchase of One On-Road Light Duty Zero	\$1,161.64	\$1,161.64	\$333.87	\$333.87
Huntington Park	Fiat 500 E leased Vehicle	\$574.78	\$574.78	\$165.20	\$165.20
Huntington Park	Hybrid Leased Vehicles	\$1,489.92	\$1,489.92	\$366.86	\$366.86
Inglewood	Purchase of 5 Vehicles	\$9,461.61	\$9,461.61	\$2,329.74	\$2,329.74
Irvine	CNG Vehicles Conversion	\$11.89	\$11.89	\$11.74	\$11.74
Irvine	CNG Conversion Cost for Street Sweeper	\$4.34	\$4.34	\$4.30	\$4.30
La Mirada	Electric Primo Truck Ev 2xs72	\$11,822.61	\$11,822.61	\$3,337.48	\$3,337.48
La Mirada	Fusion Hybrid 2.0l Ivct 14 Hev	\$10,346.68	\$10,346.68	\$2,547.68	\$2,547.68
Laguna Niguel	Hybrid Lease Vehicles	\$6,327.37	\$6,327.37	\$1,558.00	\$1,558.00
Lomita	Lease of Volkswagen e-Golf	\$31.50	\$31.50	\$20.76	\$20.76
Long Beach	Alternative Fuel Vehicles	\$6,970.33	\$6,970.33	\$1,716.31	\$1,716.31
Los Angeles (City)	#1-Purch of 4 CNG Sewer & Catch Basin	\$24.28	\$696.40	\$24.15	\$692.72
Los Angeles (City)	#2 Purch-8 CNG Peterbilt Solid Waste	\$77.44	\$1,035.93	\$77.03	\$1,030.46

Project Category	Project Name	Cost-Effectiveness (\$/lb)		Cost-Effectiveness (\$/lb)	
		*Based on		Based on	
		ROG+NOx+PM2.5		ROG+NOx+PM2.5+CO/7	
		Air Funds	ALL Funds	Air Funds	ALL Funds
Maywood	Purchase of New Electric Vehicle	\$4,862.75	\$4,862.75	\$1,397.61	\$1,397.61
Menifee	Alternative Fuels Vehicle Purchase	\$9,349.33	\$9,349.33	\$2,302.10	\$2,302.10
Montclair	Street Sweeper Purchase	\$28.38	\$28.38	\$28.37	\$28.37
Murrieta	Purchase of 2 Chevy Volts	\$21,869.73	\$21,869.73	\$5,385.01	\$5,385.01
Newport Beach	CNG Sewer Cleaning Vehicle	\$483.50	\$3,362.07	\$480.63	\$3,342.14
Norco	Two 2018 Ford Cmax Hybrids	\$101,392.07	\$101,392.07	\$24,965.89	\$24,965.89
Norwalk	Cleaner Street Sweeping Contract	\$21.61	\$193.13	\$21.60	\$193.01
Orange (City)	(4) 2018 Ford Focus Purchases	\$1,764.38	\$1,764.38	\$507.10	\$507.10
Palos Verdes Estates	Alternative Fuel Vehicle Purchase	\$13,858.97	\$13,858.97	\$3,412.51	\$3,412.51
Paramount	Purchase of Hybrid Vehicle	\$18,258.81	\$18,258.81	\$4,495.89	\$4,495.89
Perris	Purchase of 5 (Five) Toyota RAV4 Hybrid	\$14,029.10	\$14,029.10	\$3,454.40	\$3,454.40
Pico Rivera	Lease payments of (6) Hybrid Vehicles	\$3,331.15	\$3,331.15	\$820.23	\$820.23
Placentia	Placentia's Electric Vehicle Fleet Project: 10	\$585.92	\$585.92	\$168.40	\$168.40
Pomona	CNG Public Services Dump Truck for	\$6,614.52	\$6,614.52	\$6,614.52	\$6,614.52
Riverside (City)	Electric Vehicle Rebate Program	\$14.30	\$14.30	\$4.11	\$4.11
San Bernardino (City)	Purchase of Ford C-Max Hybrid Vehicles	\$325,916.45	\$325,916.45	\$80,250.78	\$80,250.78
San Fernando	Alternative Fuel Fleet	\$4,765.71	\$4,765.71	\$4,396.27	\$4,396.27
San Gabriel	Ford Fusion Hybrid	\$23,700.64	\$23,700.64	\$5,835.84	\$5,835.84
San Jacinto	Purchase of 5 2018 Toyota RAV4 Hybrids	\$28,133.53	\$28,133.53	\$6,927.35	\$6,927.35
Santa Ana	Electric Vehicle Purchase (Qty=2)	\$129,071.73	\$129,071.73	\$37,096.62	\$37,096.62
Santa Ana	Leased EV	\$497.90	\$497.90	\$143.10	\$143.10
Santa Monica	The purchase of five electric vehicles	\$1,257.34	\$7,019.57	\$361.37	\$2,017.50
Sierra Madre	Purchase of 2016 Ford Vehicle	\$89,074.03	\$89,074.03	\$82,169.07	\$82,169.07
South Gate	(5) New Hybrid Vehicles for Community	\$94,448.81	\$94,448.81	\$23,256.24	\$23,256.24
South Pasadena	2017 Chevrolet Bolt	\$2,074.31	\$2,074.31	\$596.18	\$596.18
Temple City	Lease of Alternative Fuel Vehicles	\$5,109.45	\$5,109.45	\$1,258.11	\$1,258.11

Project Category	Project Name	Cost-Effectiveness (\$/lb)		Cost-Effectiveness (\$/lb)	
		*Based on		Based on	
		ROG+NOx+PM2.5		ROG+NOx+PM2.5+CO/7	
		Air Funds	ALL Funds	Air Funds	ALL Funds
<i>Upland</i>	Vehicle Purchase	\$9,052.37	\$9,052.37	\$2,228.98	\$2,228.98
<i>Westlake Village</i>	Purchase and lease of 3 alternative fuel	\$18,159.70	\$18,159.70	\$4,471.48	\$4,471.48
<i>Yorba Linda</i>	Vehicle replacement program to alternative	\$2,179.17	\$2,179.17	\$536.58	\$536.58
<b>(3) Land Use</b>					
<i>Yucaipa</i>	12th & 13th, Avenue E to Oak Glen Road	\$2.75	\$2.75	\$1.72	\$1.72
<i>Yucaipa</i>	Yucaipa Blvd ADA Sidewalk Project	\$2.89	\$2.89	\$1.81	\$1.81
<b>(4) Public Transportation (Transit &amp; Rail)</b>					
<i>Anaheim</i>	Ctr City Shuttle - Project V	\$32,759.33	\$38,205.51	\$26,387.63	\$30,774.53
<i>Anaheim</i>	Metrolink OCTA	\$232.21	\$298.41	\$145.23	\$186.63
<i>Anaheim</i>	Art Shuttle - Route 17	\$1,554.83	\$1,813.32	\$140.90	\$164.33
<i>Azusa</i>	Transit Pass Subsidy	\$98.31	\$98.31	\$61.48	\$61.48
<i>Claremont</i>	Public Transportation Reimbursement	\$251.39	\$251.39	\$157.23	\$157.23
<i>Corona</i>	Corona Cruiser Fare Subsidy	\$21.06	\$21.06	\$13.20	\$13.20
<i>Garden Grove</i>	Transit Subsidy (Metrolink & Bus)	\$147.85	\$147.85	\$92.47	\$92.47
<i>Grand Terrace</i>	Senior Transportation Program	\$677.02	\$2,031.06	\$639.51	\$1,918.53
<i>Huntington Beach</i>	Project V Shuttle	\$2,062.35	\$2,062.35	\$2,540.04	\$2,540.04
<i>La Habra</i>	Shuttles to transport seniors	\$3,421.91	\$6,445.51	\$4,960.93	\$9,344.42
<i>Laguna Beach</i>	Free Ride to Work Program	\$36.12	\$36.12	\$22.76	\$22.76
<i>Laguna Beach</i>	Free Mainline Service during the Summer	\$61.50	\$61.50	\$38.75	\$38.75
<i>Mission Viejo</i>	Mission Viejo (MV) Shuttle: FY17-18	\$471.34	\$471.34	\$825.42	\$825.42
<i>Monrovia</i>	Monrovia Public Transportation Subsidy	\$675.99	\$675.99	\$425.26	\$425.26
<i>Norwalk</i>	Transit Subsidy	\$130.64	\$130.64	\$81.71	\$81.71
<i>Rancho Palos Verdes</i>	Route 225 Extension (Year 2 of 3)	\$560.84	\$560.84	\$266.70	\$266.70
<i>Riverside (City)</i>	Riverside Go Transit Bus Pass Subsidy	\$14.15	\$14.15	\$8.91	\$8.91
<i>Riverside (City)</i>	City Pass Program	\$117.99	\$117.99	\$73.80	\$73.80

Project Category	Project Name	Cost-Effectiveness (\$/lb)		Cost-Effectiveness (\$/lb)	
		*Based on		Based on	
		ROG+NOx+PM2.5		ROG+NOx+PM2.5+CO/7	
		Air Funds	ALL Funds	Air Funds	ALL Funds
<i>San Clemente</i>	San Clemente Summer Trolley	\$193.56	\$211.40	\$134.97	\$147.41
<i>San Juan Capistrano</i>	Trolley Program	\$1,488.64	\$4,181.75	\$1,000.57	\$2,810.69
<i>San Juan Capistrano</i>	Sr. Nutritional Transportation Program	\$406.77	\$2,033.80	\$255.01	\$1,275.02
<i>Seal Beach</i>	Senior Transportation Nutritional Shuttle	\$714.70	\$2,117.79	\$449.61	\$1,332.27
<i>South El Monte</i>	Bus Pass Subsidy Program	\$17.59	\$17.59	\$11.08	\$11.08
<i>Walnut</i>	Bus Pass Subsidies	\$79.22	\$79.22	\$49.91	\$49.91
<i>Westminster</i>	Project V - Little Saigon Shuttle Pilot Program	\$6,149.62	\$6,149.62	\$28,208.10	\$28,208.10
<b>(5) Traffic Management</b>					
<i>Artesia</i>	Pre-Emption Replacement	\$272.21	\$272.21	\$139.43	\$139.43
<i>Costa Mesa</i>	Sunflower Traffic Signal Synchronization	\$86.44	\$86.44	\$72.61	\$72.61
<i>Costa Mesa</i>	17th. St. Signal Synchronization Project	\$1.67	\$1.67	\$1.38	\$1.38
<i>Costa Mesa</i>	Victoria St. Traffic Signal Synchronization	\$4.39	\$4.39	\$3.07	\$3.07
<i>Highland</i>	Traffic Signal Synchronization	\$7.47	\$7.47	\$4.76	\$4.76
<i>Laguna Niguel</i>	Traffic Signal Coordination	\$5.39	\$5.39	\$3.77	\$3.77
<i>Loma Linda</i>	Install Fiber Optic cable for traffic signal	\$512.05	\$512.05	\$398.26	\$398.26
<i>Loma Linda</i>	Fiber Optic Cable install - Traffic Signal	\$158.66	\$158.66	\$123.40	\$123.40
<i>Los Angeles (City)</i>	Seg 11 Mission Rd between Jesse St and	\$62.81	\$665.16	\$51.73	\$547.78
<i>Los Angeles (City)</i>	Seg 7 Harbor Bl between Fron St and 22nd St	\$125.62	\$1,319.30	\$79.94	\$839.55
<i>Los Angeles (City)</i>	Seg 3 Fletcher Dr between Glendale Bl and	\$57.46	\$601.43	\$53.63	\$561.33
<i>Los Angeles (City)</i>	Seg 9 La Tijera Bl between Airport Bl and La	\$19.54	\$207.32	\$15.79	\$167.45
<i>Los Angeles (City)</i>	Seg 10 Manchester Av between Aviation Bl	\$81.81	\$859.88	\$52.06	\$547.20
<i>Los Angeles (City)</i>	Seg 13 Ventura Bl between Coldwater Cyn	\$66.87	\$702.94	\$58.51	\$615.07
<i>Los Angeles (City)</i>	Seg 5 Franklin Av between Highland Av and	\$41.05	\$427.43	\$35.92	\$374.00
<i>Los Angeles (City)</i>	Seg 2 Crescent Heights bl between Romaine	\$110.46	\$1,163.23	\$85.91	\$904.73
<i>Los Angeles (City)</i>	Seg 4 Foothill Bl between Sunland Bl and	\$68.37	\$722.51	\$41.82	\$441.92
<i>Los Angeles (City)</i>	Seg 6 Glendale Bl between Allesandro St and	\$85.13	\$894.20	\$54.18	\$569.03

Project Category	Project Name	Cost-Effectiveness (\$/lb)		Cost-Effectiveness (\$/lb)	
		*Based on		Based on	
		ROG+NOx+PM2.5		ROG+NOx+PM2.5+CO/7	
		Air Funds	ALL Funds	Air Funds	ALL Funds
<i>Los Angeles (City)</i>	Seg 1 Abbot Kinney Bl between Pacific Av	\$73.82	\$777.38	\$64.59	\$680.21
<i>Los Angeles (City)</i>	Seg 8 Hollywood Bl between La Brea Av and	\$100.03	\$1,050.73	\$77.80	\$817.23
<i>Los Angeles (City)</i>	Seg 12 Rampart Bl Between London St and	\$64.32	\$677.28	\$56.28	\$592.62
<i>Mission Viejo</i>	City of Mission Viejo Traffic Signal	\$3.31	\$3.31	\$2.03	\$2.03
<i>Murrieta</i>	Traffic Signal Optimization/Congestion	\$70.53	\$70.53	\$44.89	\$44.89
<i>Placentia</i>	Placentia Avenue Traffic Signal	\$710.72	\$710.72	\$552.78	\$552.78
<i>Rancho Santa Margarita</i>	SMP Signal & Equipment Upgrade	\$0.59	\$0.59	\$0.46	\$0.46
<i>Riverside (City)</i>	Riverside Traffic Management Center	\$193.74	\$193.74	\$169.52	\$169.52
<i>San Juan Capistrano</i>	Countdown Pedestrian Signals Project	\$28.71	\$28.71	\$28.71	\$28.71
<i>Santa Clarita</i>	ITS PH IV & Signal Synchr (I0009)	\$3.08	\$20.69	\$2.49	\$16.71
<b>(6) Transportation Demand Management</b>					
<i>Anaheim</i>	Trip Reduction Program	\$42.81	\$50.03	\$26.78	\$31.29
<i>Anaheim</i>	Citywide Vanpool Program	\$444.87	\$560.90	\$353.03	\$445.11
<i>Arcadia</i>	Rideshare Plus Program	\$249.57	\$249.57	\$156.09	\$156.09
<i>Azusa</i>	Rideshare Financial Incentives	\$71.70	\$71.70	\$44.84	\$44.84
<i>Baldwin Park</i>	Employer Trip Reduction Incentive	\$133.41	\$133.41	\$83.44	\$83.44
<i>Bell Gardens</i>	Alternative Transportation	\$30.98	\$30.98	\$19.37	\$19.37
<i>Bell Gardens</i>	Employee Rideshare Subsidies	\$15.53	\$15.53	\$9.71	\$9.71
<i>Burbank</i>	Employee Rideshare Subsidies	\$164.84	\$164.84	\$103.10	\$103.10
<i>Burbank</i>	Employee Transit Subsidies	\$423.77	\$423.77	\$265.04	\$265.04
<i>Carson</i>	Employee Carpool Program	\$439.48	\$439.48	\$274.87	\$274.87
<i>Cerritos</i>	City Employee Rideshare Trip Rebate	\$169.19	\$169.19	\$105.82	\$105.82
<i>Commerce</i>	Employer Based Trip Reduction	\$93.72	\$93.72	\$58.62	\$58.62
<i>Compton</i>	Rideshare Incentive Payments	\$74.13	\$74.13	\$48.66	\$48.66
<i>County of LA</i>	Employee Commute Reduction Program	\$30.42	\$30.42	\$19.03	\$19.03
<i>County of Orange</i>	Employee Rideshare Program	\$3.70	\$16.99	\$2.32	\$10.68

Project Category	Project Name	Cost-Effectiveness (\$/lb)		Cost-Effectiveness (\$/lb)	
		*Based on		Based on	
		ROG+NOx+PM2.5		ROG+NOx+PM2.5+CO/7	
		Air Funds	ALL Funds	Air Funds	ALL Funds
<i>County of Riverside</i>	Commuter Services Rideshare Program	\$15.16	\$15.16	\$9.50	\$9.50
<i>County of San Bernardino</i>	Vanpool Subsidy Program	\$41.56	\$41.56	\$57.41	\$57.41
<i>County of San Bernardino</i>	Employee Commute Reduction Program	\$78.95	\$78.95	\$49.38	\$49.38
<i>Downey</i>	Downey Employee "Thumbs Up"	\$661.20	\$661.20	\$413.54	\$413.54
<i>El Monte</i>	Monthly Rideshare Incentive	\$444.53	\$444.53	\$278.03	\$278.03
<i>El Segundo</i>	City employee ride share program	\$96.55	\$96.55	\$60.39	\$60.39
<i>Fontana</i>	Employee Rideshare Program	\$55.81	\$55.81	\$34.97	\$34.97
<i>Garden Grove</i>	TDM Services	\$260.88	\$260.88	\$163.16	\$163.16
<i>Garden Grove</i>	Vanpool Program Conventional Gas	\$1,772.12	\$1,772.12	\$3,025.31	\$3,025.31
<i>Glendora</i>	Altcom Employer Rideshare Program	\$99.91	\$99.91	\$62.48	\$62.48
<i>Hawthorne</i>	Financial Incentives for Rideshare	\$120.34	\$120.34	\$75.27	\$75.27
<i>Hermosa Beach</i>	Auto Trip Reduction	\$119.48	\$119.48	\$74.73	\$74.73
<i>Huntington Beach</i>	Employee Rideshare Program	\$90.61	\$90.61	\$56.67	\$56.67
<i>La Verne</i>	Bike, Carpool, Walk, Incentive Program	\$458.87	\$458.87	\$287.00	\$287.00
<i>Los Angeles (City)</i>	Employee's Transit Subsidy Program	\$96.30	\$330.88	\$60.23	\$206.94
<i>Los Angeles (City)</i>	Bicycle Transit Incentive Program	\$725.07	\$725.07	\$425.29	\$425.29
<i>Los Angeles (City)</i>	Employer's Walk Incentive Program	\$362.53	\$362.53	\$212.64	\$212.64
<i>Los Angeles (City)</i>	Employer's Vanpool Program	\$130.93	\$558.32	\$47.56	\$202.82
<i>Los Angeles (City)</i>	Employer's Carpool Transit Incentive Program	\$96.26	\$96.26	\$60.20	\$60.20
<i>Manhattan Beach</i>	Rideshare Program	\$251.39	\$251.39	\$157.23	\$157.23
<i>Montclair</i>	Rideshare Program	\$416.05	\$416.05	\$260.21	\$260.21
<i>Montebello</i>	Employee Commute Reduction Program	\$116.19	\$116.19	\$72.67	\$72.67
<i>Monterey Park</i>	Employee Rideshare Program	\$171.64	\$171.64	\$107.35	\$107.35
<i>Newport Beach</i>	Employee Rideshare Program	\$84.87	\$84.87	\$53.08	\$53.08
<i>Ontario</i>	Rideshare	\$34.30	\$34.30	\$21.45	\$21.45
<i>Orange (City)</i>	Trip Reduction Program	\$167.03	\$167.03	\$104.46	\$104.46

Project Category	Project Name	Cost-Effectiveness (\$/lb)		Cost-Effectiveness (\$/lb)	
		*Based on		Based on	
		ROG+NOx+PM2.5		ROG+NOx+PM2.5+CO/7	
		Air Funds	ALL Funds	Air Funds	ALL Funds
<i>Palm Desert</i>	City Rideshare Program	\$95.46	\$95.46	\$59.71	\$59.71
<i>Pasadena</i>	Rideshare program	\$80.96	\$80.96	\$50.63	\$50.63
<i>Rancho Cucamonga</i>	Employer Ride Share Program	\$675.28	\$675.28	\$422.34	\$422.34
<i>Redondo Beach</i>	Employee Rideshare	\$109.74	\$109.74	\$68.77	\$68.77
<i>Rialto</i>	Employee Rideshare Program	\$362.63	\$362.63	\$226.80	\$226.80
<i>Riverside (City)</i>	Employee Rideshare Program	\$20.79	\$20.79	\$12.95	\$12.95
<i>San Bernardino (City)</i>	Rideshare Program	\$218.15	\$218.15	\$136.44	\$136.44
<i>Santa Ana</i>	Blue Skies Rideshare	\$348.73	\$348.73	\$218.11	\$218.11
<i>Santa Clarita</i>	Rideshare (Passes)	\$59.21	\$59.21	\$37.03	\$37.03
<i>Stanton</i>	Commute Incentive Program	\$345.17	\$345.17	\$215.88	\$215.88
<i>Torrance</i>	Employee Rideshare	\$63.65	\$63.65	\$39.96	\$39.96
<i>Upland</i>	Rideshare Activities	\$324.17	\$324.17	\$202.75	\$202.75
<i>West Hollywood</i>	Alternative Mode Transportation Incentive	\$288.96	\$288.96	\$180.72	\$180.72
<i>Westminster</i>	Employee Rideshare Program	\$59.33	\$59.33	\$37.11	\$37.11
<i>Whittier</i>	GO RIO Whittier College bus pass program	\$21.01	\$21.01	\$13.23	\$13.23
<i>Whittier</i>	Employee-Based Trip Reduction	\$349.09	\$349.09	\$217.67	\$217.67
<b>(8) Bicycles</b>					
<i>Brea</i>	Tracks at Brea (Segment 4)	\$401.42	\$5,966.21	\$248.17	\$3,688.49
<i>Fontana</i>	Safe Routes to School	\$881.53	\$881.53	\$526.76	\$526.76
<i>Fullerton</i>	East Wilshire Bike Boulevard	\$152.48	\$152.48	\$94.65	\$94.65
<i>Garden Grove</i>	Bicycle Purchase Loan Program	\$2,468.12	\$2,468.12	\$882.60	\$882.60
<i>Hermosa Beach</i>	Bike Purchases	\$336.40	\$336.40	\$96.69	\$96.69
<i>Highland</i>	Class II Bike Lane Installation	\$49.52	\$49.52	\$31.27	\$31.27
<i>La Mirada</i>	2 Bicycles For Public Safety	\$14,781.06	\$14,781.06	\$5,285.73	\$5,285.73
<i>Long Beach</i>	Class I Willow Bike Path to San Gabriel River	\$6.16	\$12.88	\$3.88	\$8.11
<i>Long Beach</i>	15TH St Bike Blvd	\$107.16	\$196.92	\$68.02	\$124.99

Project Category	Project Name	Cost-Effectiveness (\$/lb)		Cost-Effectiveness (\$/lb)	
		*Based on		Based on	
		ROG+NOx+PM2.5		ROG+NOx+PM2.5+CO/7	
		Air Funds	ALL Funds	Air Funds	ALL Funds
<i>Long Beach</i>	Class II Bike Lanes to LA River	\$1.04	\$22.81	\$0.65	\$14.33
<i>Long Beach</i>	Bike Share - Bicycle Purchases	\$242.12	\$417.67	\$86.58	\$149.36
<i>Long Beach</i>	Wardlow Road Bike Buoys	\$22.73	\$22.73	\$14.35	\$14.35
<i>Long Beach</i>	Pier J Bicycle Path	\$18,967.60	\$18,988.95	\$11,977.59	\$11,991.07
<i>Long Beach</i>	Market St Ped Improvements and	\$1,065.01	\$2,994.70	\$668.94	\$1,880.97
<i>Long Beach</i>	Employee Bike Share	\$27.25	\$27.25	\$16.60	\$16.60
<i>Orange (City)</i>	Police Bike Team	\$182.80	\$182.80	\$52.54	\$52.54
<i>Orange (City)</i>	Bike Loan to Own Program	\$416.79	\$416.79	\$119.79	\$119.79
<i>Rancho Cucamonga</i>	PE Trail Enhancements	\$4.13	\$4.13	\$2.61	\$2.61
<i>Redlands</i>	Installation of Class II Bike Lanes	\$67.60	\$67.60	\$42.46	\$42.46
<i>Wildomar</i>	Grand Ave and Clinton Keith Bike Phase I	\$1,977.72	\$8,486.51	\$1,242.21	\$5,330.39
<b>(9) PM Reduction Strategies</b>					
<i>Cathedral City</i>	Regional PM10 Street Sweeping Program	\$144.23	\$144.23	\$144.22	\$144.22
<i>Coachella</i>	Regional PM10 Street Sweeping Program	\$144.26	\$144.26	\$144.25	\$144.25
<i>County of Riverside</i>	Regional PM10 Street Sweeping Program	\$142.40	\$142.40	\$142.39	\$142.39
<i>Desert Hot Springs</i>	Regional PM 10 Street Sweeping Program	\$144.96	\$144.96	\$144.95	\$144.95
<i>El Monte</i>	Regional PM10 Street Sweeper Contract (2	\$6.95	\$6.95	\$6.92	\$6.92
<i>Hawthorne</i>	PM10 Reduction Street Sweeping Project	\$5.00	\$5.00	\$4.96	\$4.96
<i>Indian Wells</i>	Regional PM10 Street Sweeping Program	\$143.33	\$143.33	\$143.10	\$143.10
<i>Indio</i>	Regional PM10 Street Sweeping Program	\$106.20	\$106.20	\$106.19	\$106.19
<i>La Quinta</i>	Regional PM10 Street Sweeping Program	\$143.73	\$143.73	\$143.72	\$143.72
<i>Loma Linda</i>	City Street Sweeping	\$41.85	\$41.85	\$41.85	\$41.85
<i>Lomita</i>	Leasing alternative fuel street sweepers	\$6.67	\$6.67	\$6.66	\$6.66
<i>Moreno Valley</i>	Street Sweeping Program	\$10.61	\$10.61	\$10.56	\$10.56
<i>Palm Desert</i>	Regional PM10 Street Sweeping Program	\$144.44	\$144.44	\$144.42	\$144.42
<i>Palm Springs</i>	Regional PM10 Street Sweeping Program	\$144.72	\$144.72	\$144.71	\$144.71



Project Category	Project Name	Cost-Effectiveness (\$/lb)		Cost-Effectiveness (\$/lb)	
		*Based on		Based on	
		ROG+NOx+PM2.5		ROG+NOx+PM2.5+CO/7	
		Air Funds	ALL Funds	Air Funds	ALL Funds
<i>Rancho Mirage</i>	Regional PM10 Street Sweeping Using 2	\$145.34	\$145.34	\$145.33	\$145.33
<i>Walnut</i>	Street Sweeping with CNG Sweeper	\$3.51	\$3.51	\$3.50	\$3.50
<b>(10) Public Education</b>					
<i>Santa Clarita</i>	Bike to Work	\$67.62	\$67.62	\$42.29	\$42.29
<b>(11) Miscellaneous Projects</b>					
<i>Chino</i>	Vehicle Emission Credits Purchased	\$54.72	\$54.72	\$20.83	\$20.83
<i>County of Riverside</i>	Purchase of Mobile Source Emission	\$31.92	\$31.92	\$17.24	\$17.24
<i>Fullerton</i>	Rule 2202 Emission Credits	\$38.34	\$38.34	\$35.64	\$35.64
<i>Inglewood</i>	Rule 2202	\$26.32	\$26.32	\$15.03	\$15.03
<i>Irvine</i>	Purchase Rule 2202 Credits	\$28.87	\$28.87	\$16.50	\$16.50
<i>Pomona</i>	Purchase of Emission Credits	\$15.77	\$15.77	\$9.00	\$9.00
<i>Riverside (City)</i>	ProjectDox	\$2,747.06	\$2,747.06	\$2,523.77	\$2,523.77
<i>Riverside (City)</i>	AQMD Rule 2202 Compliance	\$23.37	\$23.37	\$13.33	\$13.33

\*Used for Statewide Comparisons.

Air Funds include MV Fees, MSRC, and Moyer dollars. All Funds also include CMAQ and other Co-funding.

---

## Summary of Projects that Reported Cost-Effectiveness

---

Fiscal Year 2017-2018

<b>Motor Vehicle Fees</b>	\$13,117,895
<b>Air Funds (MV Fees+ MSRC + Moyer)</b>	\$13,663,273
<b>Amortized Air Funds</b>	\$6,765,548
<b>Emission Reductions (lbs per year)</b> (ROG + NOx + PM2.5 + CO/7)	195,321
<b>Average Cost-Effectiveness (dollars per lb)</b>	\$34.64

This report includes only projects with cost-effectiveness greater than zero.

Cost-effectiveness equals amortized Air Funds (MV Fees + MSRC + Moyer dollars) divided by  
ROG + NOx + PM2.5 + CO/7.



# AB 2766

Motor Vehicle Subvention Fund Program

Mobile Source Committee

Annual Report – FY 2017-18

October 18, 2019

## Purpose of Report

- Program update
- Report to Board & CARB
  - Use of fees
  - Program results
- Information for:
  - Local governments
  - Other stakeholders



## AB 2766 Background

- Adopted in 1990
- Provides revenue to reduce emissions from motor vehicles
- Annual DMV registration surcharge of \$4 per vehicle
- 40% of \$4 distributed to 162 local governments annually by population share
- Jurisdictions report spending in 11 project categories
- Annual summary report to Board & CARB

## Transportation Demand Management



Employee Rideshare Programs



Employee Transit Subsidies

# Alt Fuels, Electric Vehicles, & Infrastructure



Vehicle purchases, including hybrids, plug-in hybrids, and EVs

5

# Land Use



Pedestrian Railroad Crossing Enhancements on Sierra Avenue, Fontana

6

# PM Reduction



CNG-powered Street Sweepers

7

# Bicycles



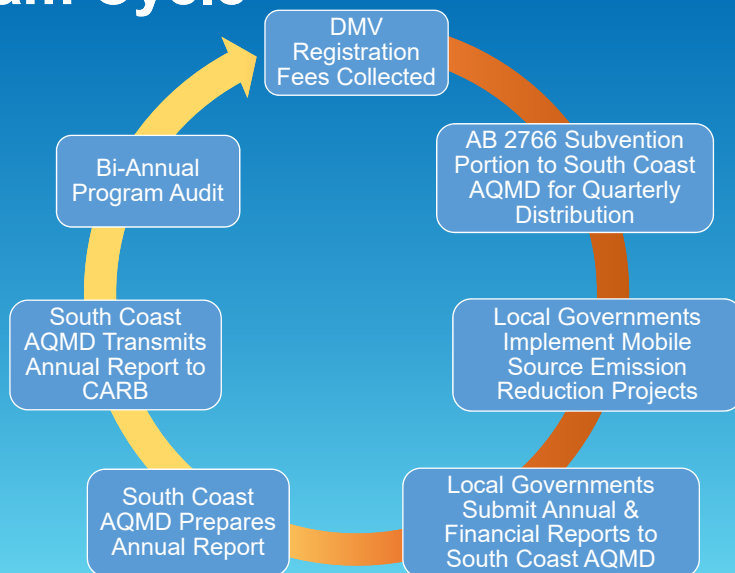
Bicycle Lane Enhancements



Bike Share Programs

8

# Program Cycle



# Program Summary



162 Local Governments Participated



358 Projects Implemented



\$21.8M in Motor Vehicle Fees Received



235 Projects had Quantifiable Emission Reductions



\$19.0M in Project Spending



98 Tons of Emissions Reduced



## History of Motor Vehicle Funds<sup>1</sup> (\$M)

Fiscal Year	Beginning Balance	MV Fees Received	Project Spending	Ending Balance	Pre-designated Funds	Funds Remaining
2013-14	\$42.3	\$20.3	\$19.8	\$42.8	\$29.5	\$13.3
2014-15	\$43.5	\$21.7	\$17.0	\$48.3	\$31.8	\$16.4
2015-16	\$45.8	\$22.1	\$19.1	\$48.8	\$34.0	\$14.9
2016-17	\$52.7	\$22.7	\$17.7	\$57.6	\$49.3	\$8.6
2017-18	\$57.6	\$21.8	\$19.0	\$60.4	\$51.3	\$9.1

<sup>1</sup> Totals may vary due to rounding.

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## FY 2017-18 Financial Summary by County<sup>1</sup> (\$M)

County	Beginning Balance	MV Fees Received	Project Spending	Ending Balance	Pre-designated Funds	Funds Remaining
Los Angeles	\$30.7	\$12.7	\$10.7	\$32.6	\$28.0	\$4.6
Orange	\$13.4	\$4.1	\$3.9	\$13.6	\$11.0	\$2.6
Riverside	\$5.9	\$3.0	\$2.4	\$6.4	\$5.7	\$0.8
San Bernardino	\$7.6	\$2.0	\$1.9	\$7.8	\$6.7	\$1.1
<b>Totals*</b>	<b>\$57.6</b>	<b>\$21.8</b>	<b>\$19.0</b>	<b>\$60.4</b>	<b>\$51.3</b>	<b>\$9.1</b>

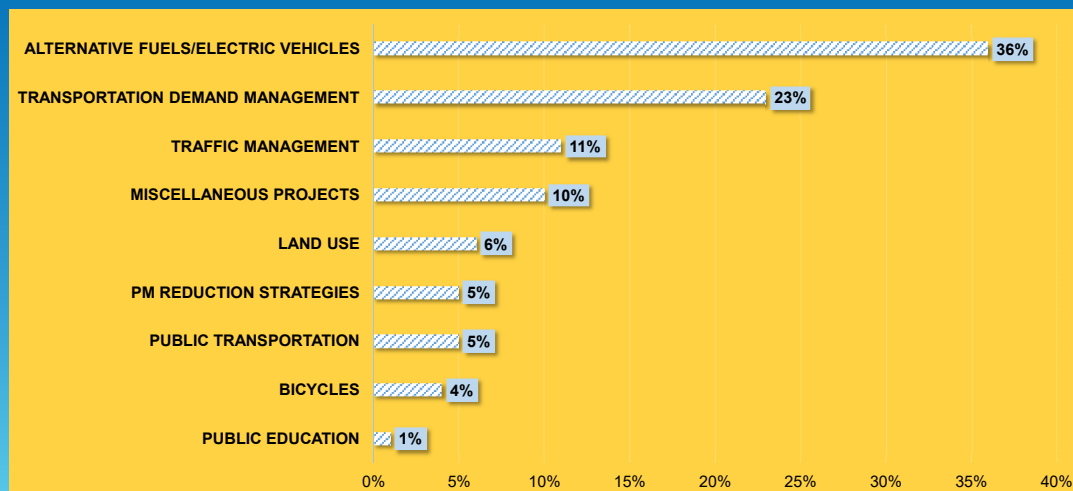
<sup>1</sup> Totals may vary due to rounding.

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# Expenditures by Category



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# FY 2017-18 Project Implementation & Emission Reductions

Project Category	No. of Projects	No. of Projects Quantified	% of Projects Quantified	Emissions Reduced (lbs/yr)	Cost-Effectiveness (\$/lb)
Transportation Demand Management	62	57	92%	110,920	\$33.51
Traffic Management	45	28	62%	19,520	\$19.83
Miscellaneous Projects	44	8	18%	19,340	\$19.40
Alternative Fuels / Electric Vehicles	100	78	78%	15,410	\$50.63
Public Transportation (Transit & Rail)	29	25	86%	3,972	\$66.59

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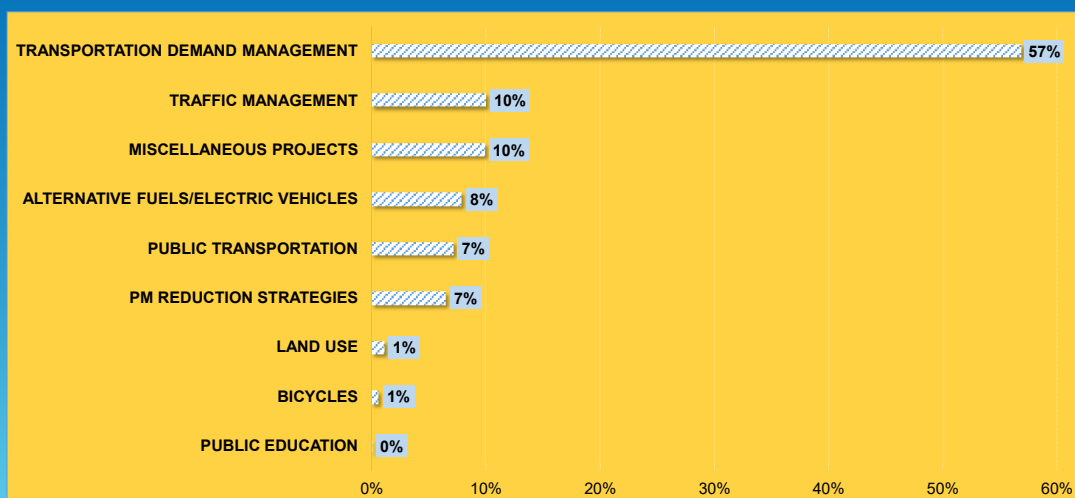
# FY 2017-18 Project Implementation & Emission Reductions (Cont'd)



Project Category	No. of Projects	No. of Projects Quantified	% of Projects Quantified	Emissions Reduced (lbs/yr)	Cost-Effectiveness (\$/lb)
PM Reduction Strategies	18	16	89%	12,698	\$37.00
Land Use	20	2	10%	2,179	\$1.79
Bicycles	31	20	65%	1,213	\$81.71
Public Education	9	1	11%	63	\$42.29
<b>Totals:</b>	<b>358</b>	<b>235</b>	<b>66%</b>	<b>195,321</b>	<b>\$34.64</b>

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# Emission Reductions by Category



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# Emission Reduction Breakdown

County	Emission Reduced (Tons/Year)				
	ROG	NOx	PM 10	CO/7	Totals*
Los Angeles	10	14	6	15	45
Orange	4	10	3	6	23
Riverside	6	7	2	9	24
San Bernardino	1	1	1	2	5
<b>Totals*</b>	<b>22</b>	<b>32</b>	<b>12</b>	<b>31</b>	<b>98</b>



\* Totals may vary due to rounding.

# History of Emission Reduction & Cost Effectiveness

Fiscal Year	Emissions Reduced <sup>1</sup> (lbs/yr)	Emissions Reduced <sup>1</sup> (tons/yr)	Cost-Effectiveness <sup>2</sup> (\$/lb)	Cost-Effectiveness <sup>2</sup> (\$/ton)
2013-14	770,000	385	\$12.36	\$24,717
2014-15	932,000	466	\$8.91	\$17,821
2015-16	814,000	407	\$11.87	\$23,750
2016-17	267,815	134	\$26.24	\$52,482
<b>2017-18</b>	<b>195,321</b>	<b>98</b>	<b>\$34.64</b>	<b>\$69,276</b>

<sup>1</sup> Emission reductions determined by the EMFAC emission model in effect for the year specified.

<sup>2</sup> In July, 2018, dollars.

## Collaboration & Fund Leveraging

- COG-sponsored projects continue to build on years of work
  - CVAG Regional Street Sweeping Program
  - WRCOG Clean Cities Coalition Public Education
  - Gateway Cities COG Transportation Plan



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## Program Outreach

- Assist local government policymakers in the decision-making process
- COG Briefings
- Conduct training sessions in early 2020
- Program guidance on eligible projects
- Encourage fund leveraging



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## Work in Progress

- Streamline Reporting Process
  - Agreed on MOU with CARB for South Coast AQMD to directly manage reporting software
  - Migrating software to easy-to-use web portal
- Update Resource Guide
  - Review project categories and clarify eligibility requirements
  - Align with 2016 AQMP goals



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## Requested Actions & Next Steps

- Recommend approval of:
  - Annual report
  - Forward report to CARB
- Board consideration November 1<sup>st</sup>, 2019



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# Facility Based Mobile Source Measure for Commercial Airports


## Mobile Source Committee

October 18, 2019



## Board Direction (May 2018)

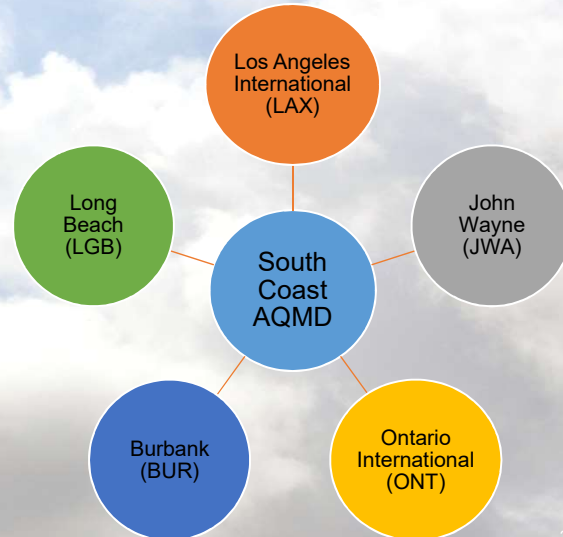
Sector	Direction
Airports	Pursue MOUs to implement airport clean air action plans (non-aircraft airport sources)
Ports	Pursue MOUs to implement specific CAAP measures; Pursue introduction of cleaner vessels
New/Redevelopment	Continue to work with stakeholders to develop rule concepts and preliminary costs/benefits
Warehouses	Develop rule concept; Conduct economic impacts study to inform rule concept
Rail yards	Pursue rulemaking; Explore potential for new agreements/MOUs beyond the 1998 and 2005 agreements



2

# Memorandum of Understanding (MOU)

- Voluntary agreement between South Coast AQMD and each commercial airport to achieve SIP creditable emission reductions
- Five commercial airports in SCAB



3

# Public process to develop draft MOUs

- LAX**
  - Airports MOU working group meetings
  - Updates to Mobile Source Committee
    - Feb 15, 2019
    - Sep 20, 2019
- JWA**
- BUR**
  - Public Consultation Meeting – October 10, 2019
- ONT**
  - Airports' AQIPs/AQIM/MOUs subject to approval by respective airport authority
- LGB**
  - Each MOU subject to approval by South Coast AQMD Board



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# Process

- Each airport has developed an air quality improvement plan/measures (AQIP/AQIM)
- AQIP/AQIM includes strategies to reduce emissions from non-aircraft airport sources

## AQIP/AQIM

## MOUs

- South Coast AQMD has developed a draft MOU with each commercial airport to reduce emissions
- MOUs are based on the airports' SIP creditable AQIP/AQIM measures

- South Coast AQMD to work with EPA to get SIP credit for AQIP/AQIM measures
- If emission reductions not fully achieved, South Coast AQMD provides substitute measure

## SIP credit



# MOU commitments

## Airports



- Implementing AQIP/AQIM measures included in MOUs by working with airport tenants
- Annual reporting to South Coast AQMD on implementation of AQIP/AQIM measures, including equipment data and emission benefit calculations

## South Coast AQMD



- Quantify SIP creditable emission reductions for AQIP/AQIM measures (2023, 2031)
- Provide federally enforceable commitments and report emission reduction benefits to U.S. EPA
- Establish metrics to track implementation progress
- Process to cover potential shortfall
- Provide public access and disclosure





## AQIP/AQIM emissions sources

- Non-aircraft mobile source emissions associated with airport operations which are under direct control of the airport authority or which can be influenced through agreements, permits, or licenses with airport vendors/tenants
- Categories vary; cover the following categories:

- **Ground Support Equipment (GSE)**
  - Tugs and Tractors
  - Belt Loaders
  - Container Loaders
  - Ground Power Units



- **Heavy-Duty Vehicles**
  - Delivery Trucks



- **Off-Road Equipment**
  - Forklift
  - Loader
  - others



- **Passenger/Employee Transportation**
  - Shuttle buses
  - Taxis
  - Passenger cars
  - Other



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## AQIP/AQIM measures

- Specific measures vary among airports, reflecting uniqueness of each airport
- Common measures for GSE, airport-owned fleet, improvement in passenger traffic and infrastructure
- Performance targets for measures vary among airports
- Emission reduction benefits estimated for quantifiable measures
- MOUs identify specific AQIP/AQIM measures that are eligible for SIP credit



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## EPA's requirements for eligibility of emission reductions for SIP credit

Integrity  
Elements

Federal  
Enforceability

Technical  
Support

Funding

Legal  
Authority

Public  
Disclosure  
and Tracking



## Specific AQIP/AQIM measures eligible for SIP credit

### ➤ LAX

- **GSE:** Achieve fleet average NO<sub>x</sub> + hydrocarbons (HC) combined emission factors of 1.8 and 1.0 grams per brake horsepower-hour in 2023 and 2031, respectively
- **Alternative Fuel Vehicle Incentive Program:** Implement an incentive program to distribute up to \$500,000 dollars in funding to assist the purchase of zero or near-zero emission vehicles by December 31, 2021
- **LAWA Clean Fleet Program:** Replace 20% and 100% of LAWA-owned and operated buses with zero-emission buses by 2023 and 2031, respectively



## Specific measures eligible for SIP credit (cont'd)

### ➤ JWA

- **GSE:** Achieve fleet average NO<sub>x</sub> emission factors of 1.7 and 0.9 g/bhp-hr in 2023 and 2031, respectively.
- **Jet Fuel Delivery Trucks:** Install a jet fuel pipeline by 2019 to eliminate routine commercial aviation jet fuel delivery trucks by 2023
- **Parking Shuttle Bus Electrification:** Replace a minimum of 50% and 80% of airport shuttle buses with battery-electric shuttle buses by 2023 and 2031, respectively



## Specific AQIP/AQIM measures eligible for SIP credit (cont'd)

### ➤ BUR

- **GSE:** Achieve fleet average NO<sub>x</sub> + HC combined emission factors of 1.92 and 0.82 g/bhp-hr in 2023 and 2031, respectively
- **Zero-Emission Shuttle Bus Program:** Replace 50% and 100% of BUR-owned and operated buses with electric buses by 2023 and 2031, respectively

### ➤ LGB

- **GSE:** Achieve fleet average NO<sub>x</sub> + HC combined emission factors of 0.93 and 0.44 g/bhp-hr in 2023 and 2031, respectively

### ➤ ONT

- **GSE:** Achieve fleet average NO<sub>x</sub> emission factors of 2.20 and 1.00 g/bhp-hr in 2023 and 2031, respectively.



## Potential SIP credit by AQIP/AQIM measure

Airport	AQIP/AQIM Measure	2023 Reductions (NOx, tpy)	2031 Reductions (NOx, tpy)
LAX	GSE Policy	146.71	98.94
LAX	LAX Alternative Fuel Vehicle Incentive Program	0.17	0.21
LAX	LAWA Clean Fleet Program	6.40	12.50
BUR	GSE	10.19	6.07
BUR	Zero-Emission Shuttle Bus Program	0.11	0.10



## Potential SIP credit by AQIP/AQIM measure (cont'd)

Airport	AQIP/AQIM Measure	2023 Reductions (NOx, tpy)	2031 Reductions (NOx, tpy)
JWA	GSE	14.53	7.46
JWA	Jet Fuel Delivery Trucks	1.52	1.13
JWA	Parking Shuttle Bus Electrification	1.34	1.06
LGB	GSE	0.92	0.49
ONT	GSE	7.83	9.93



## Total potential NO<sub>x</sub> SIP credit from SIP creditable AQIP/AQIM measures

	2023 (tons per day)	2031 (tons per day)
SIP creditable Emission Reductions	0.52	0.38



## South Coast AQMD's enforceable commitment

- Achieve 0.52 and 0.38 tpd NO<sub>x</sub> reductions in 2023 and 2031, respectively
- Monitor the airports' implementation of the AQIP/AQIM measures based on annual reports
- Report to EPA on:
  - Implementation of SIP creditable AQIP/AQIM measures and actual emission reductions achieved; and
  - Make each report and relevant data publicly available
- Adopt and submit substitute measures to EPA in the event of any emission reduction shortfall through a public process



## Next steps

- Adoption of draft AQIPs/AQIMs and draft MOUs by each airport authority – November 2019
- Mobile Source Committee – November 15, 2019
- Board Consideration of the FBMSM for Commercial Airports including airport MOUs and South Coast AQMD's enforceable commitment – December 6, 2019
- Evaluate development at San Bernardino Airport





# Briefing on the Draft Contingency Measure Plan for the 1997 8-Hour Ozone Standard in the South Coast Air Basin

## Mobile Source Committee

October 18, 2019



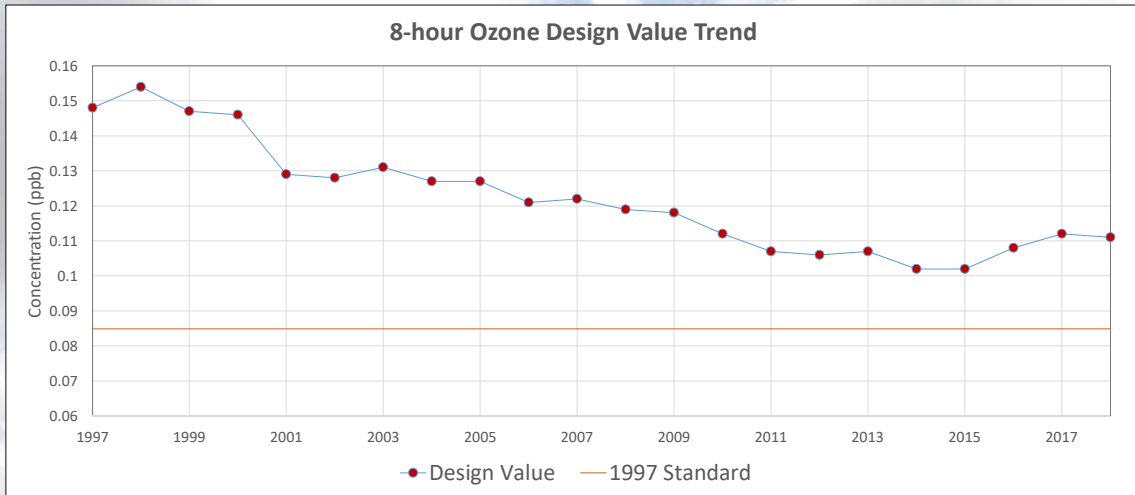
## Background

**South Coast Air Basin – Extreme nonattainment area with an attainment date of June 15, 2024**

- **2007 AQMP - Initial submission of State Implementation Plan (SIP)**
- **2016 AQMP Control Strategy Update**
  - **Defined measures**
  - **Further Deployment of Cleaner Technologies measures**
    - **Approved by U.S. EPA under section 182(e)(5) (i.e. black box)**
- **Contingency measures required for section 182(e)(5) reductions three years prior to implementation of plan provisions (i.e., 2023 attainment date)**
- **Draft Contingency Measure Plan prepared by South Coast AQMD and CARB**



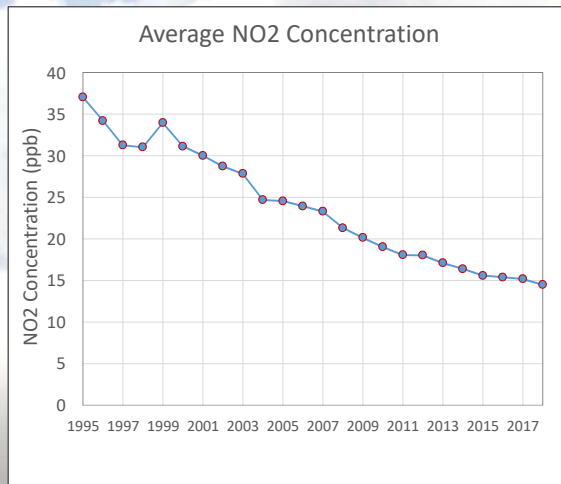
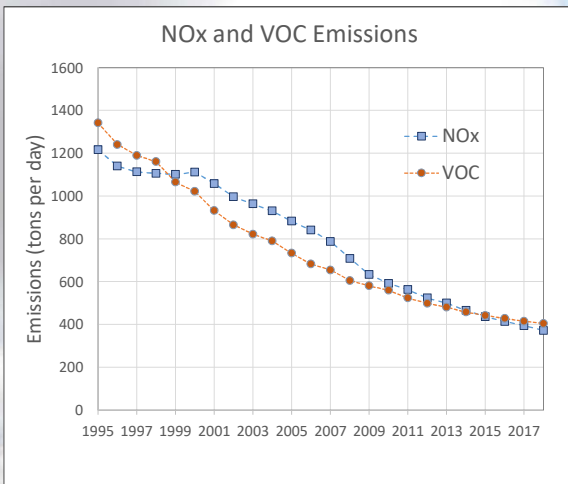
## Ozone Trend in the South Coast Air Basin



3



## Trends in Emissions and Measurements

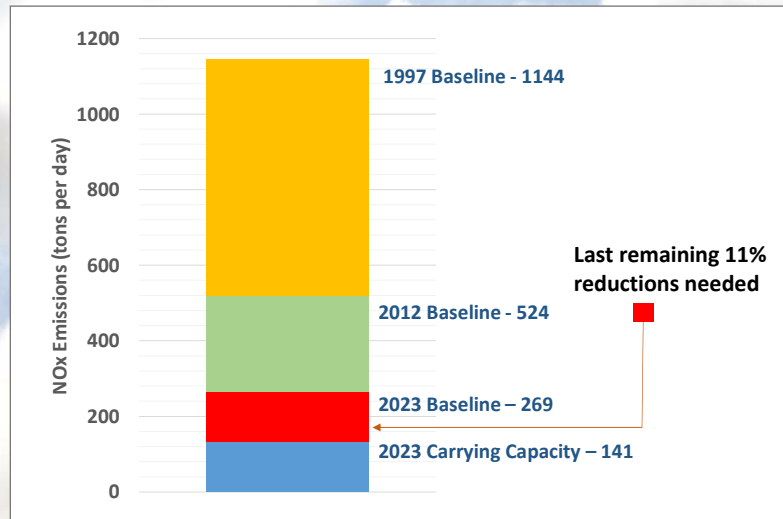


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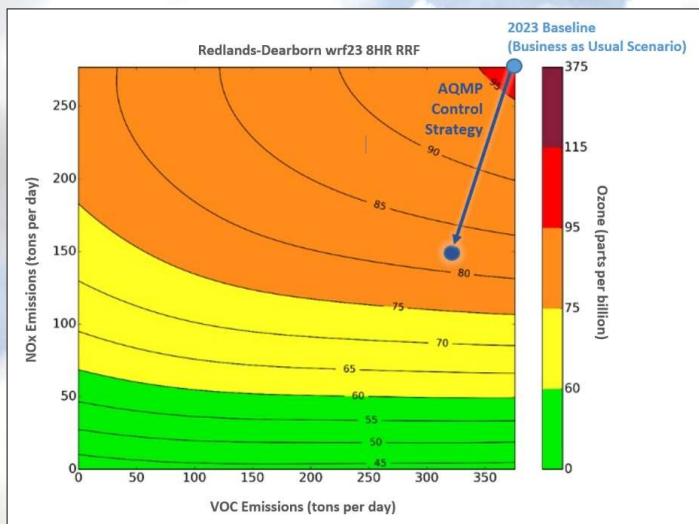
## Progress in Overall NOx Reductions Since 1997



5



## 2016 AQMP - NOx Reductions, Most Efficient Control Path For Ozone Attainment



6



# 2016 AQMP - Overall Control Strategy (NOx)

	NOx (tpd)
<b>Year 2023 Baseline<sup>1</sup></b>	<b>269</b>
<b>Carrying Capacity</b>	<b>141</b>
<b>Total Emission Reductions (All Measures):</b>	<b>135</b>
Defined Measures:	27
South Coast AQMD's Stationary Source Control Measures	7
South Cost AQMD Additional Mobile Source Control Measures	16
CARB's Defined Measures	4
Further Deployment of Cleaner Technologies	108
Set Aside Budget <sup>2</sup>	3
<b>2023 Remaining Emissions</b>	<b>137<sup>3</sup></b>

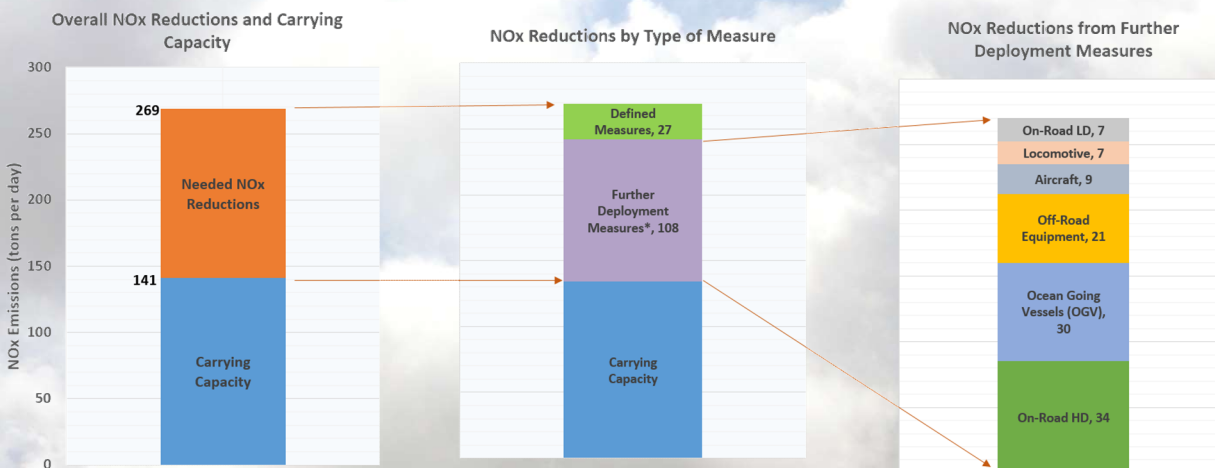
<sup>1</sup> Reflects CARB's 2018 Updates to the California SIP

<sup>2</sup> As SIP reserve for potential technology assessment and for general conformity purposes

<sup>3</sup> Reflects an additional 4.2 tons per day of NOx emission reductions beyond the projected carrying capacity of 141 tons per day to accommodate changes in ocean-going vessel (OGV) emission inventory and CARB's SIP strategy for OGV.



## Further Deployment of Cleaner Technologies Measures by Mobile Source Category (2023)



\*Further Deployment of Cleaner Technologies (182(e)(5) measures)



## CAA Section 182(e)(5) for Extreme Non-Attainment Areas

- Federal CAA section 182(e)(5) allows for anticipated development of new control techniques or improvement of existing control technologies for attainment demonstration in extreme areas
- Contingency measures required 3 years prior to implementation of plan provisions (i.e., 2023 attainment date)
  - Provide full reductions assigned to 182(e)(5) measures

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## Draft Contingency Measure Plan



Identified Emission Reduction Strategies



Additional Incentive Funding



Federal Measures/Responsibilities

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## Identified Emission Reduction Strategies



Measures Description	Agency	NOx Reductions (tpd)
RECLAIM BARCT Rules	South Coast AQMD	2
Ports MOU	South Coast AQMD	3-5
Airports MOU	South Coast AQMD	0.5
Metrolink Locomotives	South Coast AQMD	3
OGV Vessel Speed Reduction	South Coast AQMD	0.2
Funding Incentives (Expected Future Funding)	South Coast AQMD	1.5
Low Carbon Fuel Standard and Alternative Diesel Fuels Regulation	CARB	1.7
ATCM for Portable Engines, and the Statewide Portable Equipment Registration Program Regulation	CARB	0.25
HD Inspection and Maintenance (I/M) program	CARB	4.2
Innovative New Measures	CARB	3.0
<b>Total Reductions Towards 182(e)(5) Commitment*</b>		<b>24-26 tpd</b>

\*Preliminary estimates; also includes 4.2 tons per day of reductions associated with updated OGV emissions inventory and CARB's SIP Strategy for OGV

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## CARB's Innovative New Measures



- Tier 5 Off-Road Diesel Engine Standard
- State Green Contracting
- Reduction in Single-Occupancy Vehicle Travel Growth
- Locomotive Emission Reduction Measure
- VMT and Land Conservation
- Regional VMT Reductions
- Co-Benefits of Climate Change Scoping Plan Building Electrification

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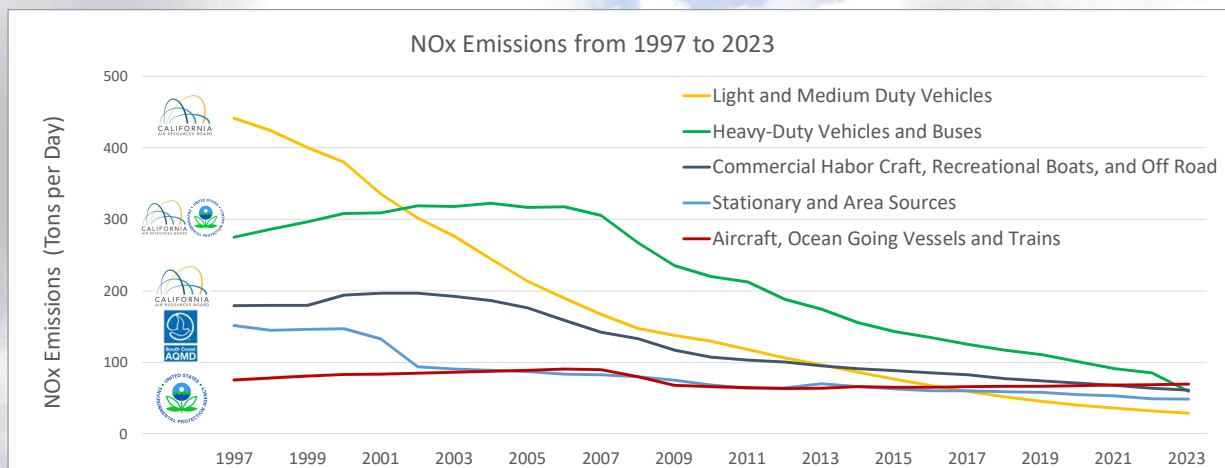
# Additional Incentive Funding



- 2016 AQMP
  - Estimated need over \$1 Billion per year over 14 years
  - Current effort will update this estimate based on latest information
- Expected Future Funding (approximately \$800 M over 4 years)
  - AB 617-related Incentives - \$80-90 M/yr
  - Carl Moyer - \$40-50 M/yr
  - Prop 1B - \$30 M
  - VW Settlement - \$67 M
  - AB2766 Subvention Fund - \$22 M/yr
  - Mobile Source Air Pollution Reduction Review Committee - \$17 M/yr
- Additional Funding Needed
  - Voting District Authorization legislation - \$1.4 B/yr
  - Other Mechanisms - TBD
  - Expected 2023 NOx Reductions: 15 tons per day

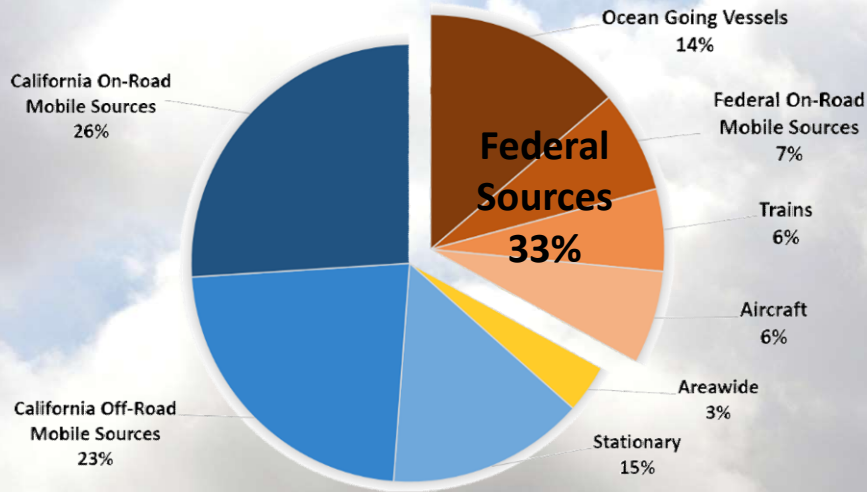


# Emission Trends for Major Sources





## Contribution of Federal Sources (2023 NOx emissions)



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## Potential Federal Measures



Measures	Measure Description	2023 NOx Reductions (tpd)
<b>Low-NOx Heavy-Duty Vehicles</b>	Heavy-duty vehicles (above 14,000 lbs. GVWR) powered by low-NOx engines in 2023	Up to 35
<b>Low-NOx Ocean-Going Vessels</b>	Ocean-going vessels coming to California powered by Tier 3 engines in 2023	Up to 28
<b>Low-NOx Locomotives</b>	Locomotives coming to California powered by Tier 4 engines in 2023	Up to 11
<b>Low-NOx Aircraft</b>	Aircraft NOx reductions assumption of 20% if emissions are held at 2012 levels	Up to 4
<b>Total Possible Reductions Towards 182(e)(5) Commitment</b>		Up to 78 tpd

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## Contingency Measure Plan Strategies to Address 182(e)(5) Reductions

Strategy	2023 Reductions (tpd)
Identified Emissions Reduction Strategies	24-26
Additional Incentive Funding	15
Federal Measures and / or Funding	67-69
<b>All Strategies</b>	<b>108</b>

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## A Call to Action

- California is doing all we can to reduce emissions with current funding and authority
- All levels of government need to take action to reduce emissions
- More incentive funding is needed to accelerate turn over of existing fleet to cleaner technologies to meet air quality standards
- Federal action is absolutely needed on sources California cannot address

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# Public Process







# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4182  
(909) 396-2000 • www.aqmd.gov

[Back to Agenda](#)

## Rule 2202 Summary Status Report

### Activity for January 1, 2019 to September 30, 2019

Employee Commute Reduction Program (ECRP)	
# of Submittals:	258

Emission Reduction Strategies (ERS)	
# of Submittals:	374

Air Quality Investment Program (AQIP) Exclusively		
County	# of Facilities	\$ Amount
Los Angeles	45	\$ 283,183
Orange	9	\$ 140,424
Riverside	1	\$ 26,776
San Bernardino	5	\$ 21,574
<b>TOTAL:</b>	<b>60</b>	<b>\$ 471,957</b>

ECRP w/AQIP Combination		
County	# of Facilities	\$ Amount
Los Angeles	4	\$ 17,477
Orange	1	\$ 187
Riverside	1	\$ 8,598
San Bernardino	1	\$ 10,140
<b>TOTAL:</b>	<b>7</b>	<b>\$ 36,403</b>

### Total Active Sites as of September 30, 2019

ECRP (AVR Surveys)			TOTAL Submittals w/Surveys	AQIP	ERS	TOTAL
ECRP <sup>1</sup>	AQIP <sup>2</sup>	ERS <sup>3</sup>				
509	15	15	539	98	706	1,343
37.91%	1.12%	1.12%	40.13%	7.30%	52.57%	100% <sup>4</sup>

### Total Peak Window Employees as of September 30, 2019

ECRP (AVR Surveys)			TOTAL Submittals w/Surveys	AQIP	ERS	TOTAL
ECRP <sup>1</sup>	AQIP <sup>2</sup>	ERS <sup>3</sup>				
377,046	5,541	12,059	394,646	15,417	313,675	723,738
52.10%	0.77%	1.67%	54.53%	2.13%	43.34%	100% <sup>4</sup>

- Notes:**
1. ECRP Compliance Option.
  2. ECRP Offset (combines ECRP w/AQIP). AQIP funds are used to supplement the ECRP AVR survey shortfall.
  3. ERS with Employee Survey to get Trip Reduction credits. Emission/Trip Reduction Strategies are used to supplement the ECRP AVR survey shortfall.
  4. Totals may vary slightly due to rounding.

BOARD MEETING DATE: November 1, 2019

AGENDA NO.

REPORT: Lead Agency Projects and Environmental Documents Received

SYNOPSIS: This report provides, for the Board's consideration, a listing of CEQA documents received by the South Coast AQMD between September 1, 2019 and September 30, 2019, and those projects for which the South Coast AQMD is acting as lead agency pursuant to CEQA.

COMMITTEE: Mobile Source, October 18, 2019, Reviewed

RECOMMENDED ACTION:  
Receive and file.

Wayne Nastri  
Executive Officer

PF:SN:JW:LS:JI

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**CEQA Document Receipt and Review Logs (Attachments A and B)** – Each month, the South Coast AQMD receives numerous CEQA documents from other public agencies on projects that could adversely affect air quality. A listing of all documents received during the reporting period September 1, 2019 through September 30, 2019 is included in Attachment A. A list of active projects from previous reporting periods for which South Coast AQMD staff is continuing to evaluate or has prepared comments is included in Attachment B. A total of 73 CEQA documents were received during this reporting period and 31 comment letters were sent.

The Intergovernmental Review function, which consists of reviewing and commenting on the adequacy of the air quality analysis in CEQA documents prepared by other lead agencies, is consistent with the Board's 1997 Environmental Justice Guiding Principles and Environmental Justice Initiative #4. As required by the Environmental Justice Program Enhancements for FY 2002-03, approved by the Board in October 2002, each attachment notes proposed projects where the South Coast AQMD has been contacted regarding potential air quality-related environmental justice concerns. The South Coast

AQMD has established an internal central contact to receive information on projects with potential air quality-related environmental justice concerns. The public may contact the South Coast AQMD about projects of concern by the following means: in writing via fax, email, or standard letters; through telephone communication; and as part of oral comments at South Coast AQMD meetings or other meetings where South Coast AQMD staff is present. The attachments also identify, for each project, the dates of the public comment period and the public hearing date, if applicable. Interested parties should rely on the lead agencies themselves for definitive information regarding public comment periods and hearings as these dates are occasionally modified by the lead agency.

At the January 6, 2006 Board meeting, the Board approved the Workplan for the Chairman's Clean Port Initiatives. One action item of the Chairman's Initiatives was to prepare a monthly report describing CEQA documents for projects related to goods movement and to make full use of the process to ensure the air quality impacts of such projects are thoroughly mitigated. In response to describing goods movement, CEQA documents (Attachments A and B) are organized to group projects of interest into the following categories: goods movement projects; schools; landfills and wastewater projects; airports; general land use projects, etc. In response to the mitigation component, guidance information on mitigation measures was compiled into a series of tables relative to: off-road engines; on-road engines; harbor craft; ocean-going vessels; locomotives; fugitive dust; and greenhouse gases. These mitigation measure tables are on the CEQA webpages portion of the South Coast AQMD's website at: <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mitigation-measures-and-control-efficiencies>. Staff will continue compiling tables of mitigation measures for other emission sources.

Staff focuses on reviewing and preparing comments for projects: where the South Coast AQMD is a responsible agency; that may have significant adverse regional air quality impacts (e.g. special event centers, landfills, goods movement); that may have localized or toxic air quality impacts (e.g. warehouse and distribution centers); where environmental justice concerns have been raised; and which a lead or responsible agency has specifically requested South Coast AQMD review. If staff provided written comments to the lead agency as noted in the column "Comment Status," there is a link to the "South Coast AQMD Letter" under the Project Description. In addition, if staff testified at a hearing for the proposed project, a notation is provided under the "Comment Status." If there is no notation, then staff did not provide testimony at a hearing for the proposed project.

During the period September 1, 2019 through September 30, 2019, the South Coast AQMD received 73 CEQA documents. Attachment B lists documents that are ongoing active projects. Of the total of 102 documents listed in Attachments A and B:

- 31 comment letters were sent;
- 32 documents were reviewed, but no comments were made;
- 33 documents are currently under review;
- 0 document did not require comments (e.g., public notices);
- 0 documents were not reviewed; and
- 6 documents were screened without additional review.

(The above statistics are from September 1, 2019 to September 30, 2019, and may not include the most recent “Comment Status” updates in Attachments A and B.)

Copies of all comment letters sent to lead agencies can be found on the South Coast AQMD’s CEQA webpage at the following internet address:  
<http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>.

**South Coast AQMD Lead Agency Projects (Attachment C)** – Pursuant to CEQA, the South Coast AQMD periodically acts as lead agency for stationary source permit projects. Under CEQA, the lead agency is responsible for determining the type of CEQA document to be prepared if the proposal for action is considered to be a “project” as defined by CEQA. For example, an Environmental Impact Report (EIR) is prepared when the South Coast AQMD, as lead agency, finds substantial evidence that the project may have significant adverse effects on the environment. Similarly, a Negative Declaration (ND) or Mitigated Negative Declaration (MND) may be prepared if the South Coast AQMD determines that the project will not generate significant adverse environmental impacts, or the impacts can be mitigated to less than significance. The ND and MND are written statements describing the reasons why projects will not have a significant adverse effect on the environment and, therefore, do not require the preparation of an EIR.

Attachments C to this report summarizes the active projects for which the South Coast AQMD is lead agency and is currently preparing or has prepared environmental documentation. As noted in Attachment C, the South Coast AQMD continued working on the CEQA documents for three active projects during August.

### **Attachments**

- A. Incoming CEQA Documents Log
- B. Ongoing Active Projects for Which South Coast AQMD Has or Will Conduct a CEQA Review
- C. Active South Coast AQMD Lead Agency Projects

**ATTACHMENT A \***  
**INCOMING CEQA DOCUMENTS LOG**  
**September 1, 2019 to September 30, 2019**

SOUTH COAST AQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<b><i>Goods Movement</i></b> <b>LAC190905-02</b> Berths 97-109 [China Shipping] Container Terminal Project	The proposed project consists of modifications to ten of 52 mitigation measures that were previously approved in the 2008 EIS/EIR, and six of ten modified mitigation measures are related to air quality. The project will also include an increase in the cargo throughput by 147,504 twenty-foot equivalent units (TEUs) from 1,551,000 TEUs to 1,698,504 TEUs in 2030. The project is located at the Port of Los Angeles on the northeast corner of State Route 47 and Interstate 110 in the communities of San Pedro and Wilmington. Reference LAC181002-11, LAC170616-02, LAC150918-02, LAC081218-01, LAC080501-01, LAC060822-02, and LAC170725-01  Comment Period: N/A Public Hearing: 10/8/2019	Final Supplemental Environmental Impact Report	City of Los Angeles Harbor Department	** Under review, may submit written comments
<b><i>Warehouse &amp; Distribution Centers</i></b> <b>LAC190920-01</b> Bridge Point South Bay II Warehouse Project, Project No. 2017-004820-(2)	The proposed project consists of construction of a 203,877-square-foot warehouse on 8.98 acres. The project is located at 20850 South Normandie Avenue on the southeast corner of South Normandie Avenue and Torrance Boulevard in the community of West Carson.  Comment Period: 9/19/2019 - 10/23/2019 Public Hearing: N/A	Notice of Intent to Adopt a Mitigated Negative Declaration	County of Los Angeles	** Under review, may submit written comments
<b><i>Warehouse &amp; Distribution Centers</i></b> <b>RVC190903-14</b> MA17132	The proposed project consists of construction of two warehouses totaling 1,299,358 square feet on 81 acres. The project is located on the northeast corner of Montana Avenue and 28th Street.  <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/RVC190903-14.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/RVC190903-14.pdf</a>  Comment Period: 9/3/2019 - 9/18/2019 Public Hearing: N/A	Site Plan	City of Jurupa Valley	South Coast AQMD staff commented on 9/17/2019
<b><i>Warehouse &amp; Distribution Centers</i></b> <b>RVC190924-01</b> Barker Logistics LLC EIR Plot Plan PPT190008	The proposed project consists of construction of a 694,630-square-foot warehouse on 31.55 acres. The project is located on the northeast corner of Placentia Avenue and Patterson Street in the community of Mead Valley.  Comment Period: 9/13/2019 - 10/13/2019 Public Hearing: 10/7/2019	Notice of Preparation	County of Riverside	** Under review, may submit written comments

\*Sorted by Land Use Type (in order of land uses most commonly associated with air quality impacts), followed by County, then date received.

# - Project has potential environmental justice concerns due to the nature and/or location of the project.

\*\* Disposition may change prior to Governing Board Meeting

Documents received by the CEQA Intergovernmental Review program but not requiring review are not included in this report.

**ATTACHMENT A  
INCOMING CEQA DOCUMENTS LOG  
September 1, 2019 to September 30, 2019**

SOUTH COAST AQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<b>Warehouse &amp; Distribution Centers</b> <b>RVC190924-02</b> San Gorgonio Crossing/Gateway Center Project	This document includes additional air quality and energy analyses in response to the Riverside County Superior Court's decision for the proposed project. The proposed project consists of construction of a 1,823,760-square-foot warehouse on a 140.23-acre portion of 229 acres. This project will also include 84.8 acres of open space. The project is located on the northwest corner of Cherry Valley Boulevard and Vineland Street in the community of Cherry Valley. Reference RVC170921-02, RVC170609-02, RVC170125-04, RVC161129-06, and RVC150113-01  Comment Period: 9/20/2019 - 10/23/2019 Public Hearing: N/A	Notice of Preparation	County of Riverside	** Under review, may submit written comments
<b>Warehouse &amp; Distribution Centers</b> <b>SBC190903-09</b> Duke Realty Alabama and Palmetto Warehouse Project	The proposed project consists of construction of a 1,192,671-square-foot warehouse on 54.8 acres. The project is located on the northwest corner of Alabama Street and Palmetto Avenue in the community of North Redlands. Reference SBC190212-05  Comment Period: 8/29/2019 - 10/15/2019 Public Hearing: N/A	Draft Environmental Impact Report	County of San Bernardino	** Under review, may submit written comments
<b>Warehouse &amp; Distribution Centers</b> <b>SBC190913-02</b> Goodman Logistics Center Fontana III	The proposed project consists of construction of three warehouses totaling 1,118,460 square feet on 47.5 acres. The project is located on the northwest corner of Jurupa Avenue and Juniper Avenue. Reference SBC190314-04  Comment Period: 9/6/2019 - 10/21/2019 Public Hearing: 10/1/2019	Draft Environmental Impact Report	City of Fontana	** Under review, may submit written comments
<b>Industrial and Commercial</b> <b>LAC190903-01</b> Long Beach Cruise Terminal Improvement Project	The proposed project consists of improvements to the existing Long Beach cruise terminal to accommodate large cruise ships with a capacity of 4,008 passengers. The project will include dredging existing berth to a deeper depth from 30 feet to 37 feet, construction of two mooring dolphins, catwalks, a passenger walkway bridge extension, and fender replacements, expansion of existing parking capacity from 1,430 spaces to 2,055 spaces, and reconfiguration of traffic lanes. The project is located at 231 Windsor Way at Pier H within the Queen Mary Seaport within the Port of Long Beach. Reference LAC190620-03 <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190903-01.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190903-01.pdf</a>  Comment Period: 8/28/2019 - 9/26/2019 Public Hearing: N/A	Recirculated Mitigated Negative Declaration	City of Long Beach	South Coast AQMD staff commented on 9/24/2019

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<b>Industrial and Commercial</b> <b>LAC190904-02</b> ENV-2019-490: 9631 North De Soto Avenue	The proposed project consists of demolition of a 1,300-square-foot existing structure and 33,200 square feet of recreational parks, and construction of a 74,228-square-foot industrial building on eight acres. The project is located on the northwest corner of North De Soto Avenue and Itasca Street in the community of Chatsworth-Porter Ranch.  Comment Period: 9/5/2019 - 9/25/2019 Public Hearing: N/A	Negative Declaration	City of Los Angeles	Document reviewed - No comments sent
<b>Industrial and Commercial</b> <b>LAC190904-04</b> Conditional Use Permit Case No. 19-000006 and 19-000007	This document includes environmental analysis to support a categorical exemption for the proposed project. The proposed project consists of demolition of an 11,234-square-foot existing structure and conversion of 13,986 square feet of existing warehouses to truck trailer storage yard uses on 3.5 acres. The project is located at 439 East Carlin Avenue near the northeast corner of East Carlin Avenue and North Alameda Street.  Comment Period: 8/23/2019 - 9/18/2019 Public Hearing: N/A	Initial Study	City of Compton	Document reviewed - No comments sent
<b>Industrial and Commercial</b> <b>LAC190906-03</b> 300 Studebaker Road Industrial Park Project	The proposed project consists of demolition of 400 square feet of existing structures and construction of two industrial buildings totaling 139,200 square feet on 6.69 acres. This project will also include 1.81 acres of open space. The project is located near the southeast corner of Studebaker Road and Pacific Coast Highway.  Comment Period: 9/6/2019 - 10/7/2019 Public Hearing: N/A	Notice of Intent to Adopt a Mitigated Negative Declaration	City of Long Beach	** Under review, may submit written comments
<b>Industrial and Commercial</b> <b>LAC190918-01</b> Irwindale Industrial Center Project	The proposed project consists of demolition of 33,420 square feet of existing buildings and construction of two industrial buildings totaling 233,984 square feet on 10.7 acres. The project is located at 5010 Azusa Canyon Road on the southeast corner of Azusa Canyon Road and Arrow Highway.  Comment Period: 9/13/2019 - 10/14/2019 Public Hearing: 10/16/2019	Notice of Intent to Adopt a Mitigated Negative Declaration	City of Irwindale	** Under review, may submit written comments

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PROJECT TITLE				
<b><i>Industrial and Commercial</i></b> <b>RVC190917-03</b> Labyrinth Xtracts LLC, Case No. 5.1477-CUP	The proposed project consists of reuse of an existing 1,599-square-foot industrial building for cannabis manufacturing and distribution on 2.03 acres. The project is located at 4779 East Ramon Road near the southeast corner of East Ramon Road and Williams Road.  Comment Period: 9/16/2019 - 10/7/2019 Public Hearing: 10/23/2019	Notice of Intent to Adopt a Negative Declaration	City of Palm Springs	Document reviewed - No comments sent
<b><i>Industrial and Commercial</i></b> <b>RVC190917-07</b> Project No. PLN 19-20026 - The Homestead Industrial Project	The proposed project consists of construction of seven warehouses totaling 1,080,060 square feet on 56 acres. The project is located on the southwest corner of Archibald Avenue and Remington Avenue.  Comment Period: 9/16/2019 - 10/16/2019 Public Hearing: 10/1/2019	Notice of Preparation	City of Eastvale	** Under review, may submit written comments
<b><i>Waste and Water-related</i></b> <b>LAC190919-01</b> Proodos Properties	The proposed project consists of development of cleanup actions to remove contaminated soil with tetrachloroethylene, trichloroethylene, and other chlorinated volatile organic compounds on 8.3 acres. The project will also include installation of a soil vapor extraction system. The project is located at 9737 Mason Avenue on the northwest corner of Mason Avenue and Superior Street in the community of Chatsworth within the City of Los Angeles.  Comment Period: 9/17/2019 - 10/18/2019 Public Hearing: N/A	Draft Removal Action Workplan	Department of Toxic Substances Control	Document reviewed - No comments sent
<b><i>Waste and Water-related</i></b> <b>LAC190919-04</b> World Oil Terminals - Vernon	The proposed project consists of modifications to personnel training and waste analysis plans. The project is located at 3650 East 26th Street on the southeast corner of East 26th Street and South Downey Road within the City of Vernon.  Comment Period: N/A Public Hearing: N/A	Permit Modification	Department of Toxic Substances Control	Document reviewed - No comments sent

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PROJECT TITLE				
<b>Waste and Water-related</b> <b>LAC190924-04</b> La Brea Subarea Well and Transmission Main Project	The proposed project consists of demolition of an existing structure and rehabilitation of existing 10,250 linear feet of water pipelines ranging in diameter from 18 inches to 24 inches. The project will also include construction of a four-mile water pipeline 16 inches in diameter and a 700-gallon-per-minute water well. The project is located along Burton Way, Le Doux Road, and La Cienega Boulevard from the northeast corner of Chariton Street and Guthrie Avenue in the City of Los Angeles to the northeast corner of La Cienega Boulevard and Cadillac Avenue in the City of Beverly Hills.  Comment Period: 9/23/2019 - 10/23/2019 Public Hearing: N/A	Mitigated Negative Declaration	City of Beverly Hills	** Under review, may submit written comments
<b>Waste and Water-related</b> <b>LAC190924-05</b> DeMonno-Kerdoon dba World Oil Recycling	The proposed project consists of modifications to an existing hazardous waste facility permit to include personnel training requirements. The project is located at 2000 North Alameda Street on the southeast corner of North Alameda Street and East Pine Street within the City of Compton.  Comment Period: N/A Public Hearing: N/A	Permit Modification	Department of Toxic Substances Control	Document reviewed - No comments sent
<b>Waste and Water-related</b> <b>ORC190917-08</b> Bee Canyon Composting Operation at the Frank R. Bowerman Landfill	The proposed project consists of construction of a green waste composting facility with a receiving capacity of 437 tons per day of organic wastes diverted from landfills. The project is located at 110022 Bee Canyon Access Road near the southeast corner of Bee Canyon Access Road and State Route 241 within the City of Irvine.  Comment Period: 9/20/2019 - 10/21/2019 Public Hearing: 12/17/2019	Mitigated Negative Declaration	Orange County Department of Waste and Recycling	** Under review, may submit written comments
<b>Waste and Water-related</b> <b>RVC190903-10</b> Riverside Scrap Iron & Metal Site	The proposed project consists of development of cleanup actions to remove contaminated soil with lead, polychlorinated biphenyls, poly-nuclear aromatic hydrocarbons, and arsenic on 5.5 acres. The project is located at 2993 Sixth Street on the southeast corner of Sixth Street and Commerce Street within the City of Riverside.  Comment Period: 9/6/2019 - 10/8/2019 Public Hearing: 9/19/2019	Draft Remedial Action Plan	Department of Toxic Substances Control	Document reviewed - No comments sent

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<i>Utilities</i> <b>LAC190906-04</b> Mid Valley Water Facility Project	The proposed project consists of demolition of an existing compressed natural gas (CNG) fueling station and construction of a new CNG fueling station and 632,135 square feet of buildings on 17.3 acres. The project is located at 7600 North Tyrone Avenue near the northeast corner of Tyrone Avenue and Covello Street in the community of Van Nuys.  Comment Period: 9/6/2019 - 10/7/2019 <span style="float: right;">Public Hearing: N/A</span>	Mitigated Negative Declaration	City of Los Angeles Department of Water and Power	** Under review, may submit written comments
<i>Utilities</i> <b>LAC190910-03</b> Power Plant 1 and Power Plant 2 Transmission Line Conversion Project	The proposed project consists of demolition of an existing 115-kilovolt (kV) transmission line, and construction of 12 miles of 230-kV double circuit transmission lines. The project is located from the northeast corner of Interstate 5 and Interstate 210 within the City of Santa Clarita to the community of Granada Hills-Knollwood within the City of Los Angeles. Reference LAC190507-05 and LAC180125-06  Comment Period: N/A <span style="float: right;">Public Hearing: N/A</span>	Response to Comments	City of Los Angeles Department of Water and Power	Document reviewed - No comments sent
<i>Utilities</i> <b>RVC190903-11</b> Annenberg Solar Field: Environmental Assessment Case No. EA190002 & Conditional Use Permit Case No. CUP19004	The proposed project consists of installation of a one-megawatt photovoltaic system with 2,888 solar panels on 7.19 acres. The project is located on the northeast corner of La Paz Road and Los Reyes Drive.  Comment Period: 9/2/2019 - 10/2/2019 <span style="float: right;">Public Hearing: N/A</span>	Notice of Intent to Adopt a Mitigated Negative Declaration	City of Rancho Mirage	Document reviewed - No comments sent
<i>Transportation</i> <b>LAC190903-06</b> 4 Storm Hill Lane and Three Vacant Parcels Adjacent Thereto	The proposed project consists of construction of a 564-foot roadway along Storm Hill Lane between John Canyon Road and Storm Hill Park.  Comment Period: 8/30/2019 - 9/19/2019 <span style="float: right;">Public Hearing: 9/17/2019</span>	Notice of Intent to Adopt a Mitigated Negative Declaration	City of Rolling Hills	Document reviewed - No comments sent

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<i>Institutional (schools, government, etc.)</i> <b>ORC190903-04</b> Cypress Sports Park Project	The proposed project consists of construction of a six-acre recreational park on nine acres. The project is located on the southwest corner of Cerritos Avenue and Lexington Drive.  Comment Period: 8/28/2019 - 9/26/2019 Public Hearing: N/A	Mitigated Negative Declaration	City of Cypress	Document reviewed - No comments sent
<i>Institutional (schools, government, etc.)</i> <b>ORC190912-02</b> Fuel Breaks in Fuel Modification Zone 23 - Canyon Acres and Fuel Modification Zone 24 - Laguna Canyon: Laguna Canyon Unified Fuel Modification and Habitat Restoration Project	The proposed project consists of removal of vegetation to improve evacuation access and reduce fire hazards on 54 acres. The project is located near the southwest corner of Laguna Canyon Road and Woodland Drive.  Comment Period: 9/10/2019 - 10/9/2019 Public Hearing: 11/14/2019	Mitigated Negative Declaration	City of Laguna Beach	Document reviewed - No comments sent
<i>Institutional (schools, government, etc.)</i> <b>RVC190910-02</b> Mecca Regional Sports Park Project	The proposed project consists of construction of a recreational park and 1,200 square feet of ancillary park amenities on 6.67 acres. The project is located on the southeast corner of 66th Avenue and Hammond Road in the community of Mecca.  Comment Period: 9/9/2019 - 9/28/2019 Public Hearing: N/A	Mitigated Negative Declaration	County of Riverside Economic Development Agency	Document reviewed - No comments sent
<i>Institutional (schools, government, etc.)</i> <b>RVC190917-05</b> K-8 STEAM Academy	The proposed project consists of construction of a 124,361-square-foot elementary school with 1,191 classroom seats on 23 acres. The project is located on the northwest corner of Washington Street and Abelia Street in the community of French Valley within Riverside County.  Comment Period: 9/18/2019 - 10/18/2019 Public Hearing: 11/2/2019	Negative Declaration	Temecula Valley Unified School District	** Under review, may submit written comments

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<b>Institutional (schools, government, etc.)</b> <b>SBC190903-03</b> Colton Community Soccer Park	The proposed project consists of construction of a 21-acre recreational park on 45 acres. This project will also include 24 acres of open space. The project is located on the southeast corner of East Congress Street and South Fernando Street.  <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/SBC190903-03.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/SBC190903-03.pdf</a>  Comment Period: 8/28/2019 - 9/27/2019                                  Public Hearing: N/A	Mitigated Negative Declaration	City of Colton	South Coast AQMD staff commented on 9/17/2019
<b>Retail</b> <b>ORC190919-06</b> Bayside Family Resort Hotel	The proposed project consists of construction of a 201,499-square-foot hotel with 275 rooms and a 5.21-acre surface parking lot on 14.29 acres. The project is located on the northwest corner of Pacific Coast Highway and Jamboree Road.  Comment Period: 9/16/2019 - 10/16/2019                                  Public Hearing: 9/25/2019	Notice of Preparation	City of Newport Beach	** Under review, may submit written comments
<b>Retail</b> <b>RVC190906-01</b> Lincoln Van Buren Commercial Development	The proposed project consists of construction of 5,250 square feet of restaurant and retail uses, a 3,062-square-foot convenience store, a 3,165-square-foot fueling canopy, and a gasoline service station with 12 pumps on 1.51 acres. The project is located at 9501 Lincoln Avenue on the northwest corner of Lincoln Avenue and Van Buren Boulevard.  <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/RVC190906-01.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/RVC190906-01.pdf</a>  Comment Period: 9/6/2019 - 9/25/2019                                  Public Hearing: 10/3/2019	Notice of Intent to Adopt a Mitigated Negative Declaration	City of Riverside	South Coast AQMD staff commented on 9/17/2019
<b>Retail</b> <b>RVC190906-08</b> Morongo Casino Expansion	The proposed project consists of construction of a 65,004-square-foot casino and a 264,222-square-foot parking structure on seven acres. The project is located on the northeast corner of Seminole Drive and Morongo Trail in the community of Cabazon. Reference RVC190529-04, RVC190501-20, and RVC181120-01  Comment Period: 9/6/2019 - 9/23/2019                                  Public Hearing: N/A	Revised Initial Study	Morongo Band of Mission Indians	Document reviewed - No comments sent
<b>Retail</b> <b>RVC190910-01</b> Oak Valley Express Project	The proposed project consists of construction of a 3,500-square-foot convenience store, a 2,000-square-foot restaurant, 6,250 square feet of retail uses, and a gasoline service station with eight pumps on 2.3 acres. The project is located on the southwest corner of Golf Club Drive and Oak Valley Parkway. Reference RVC190507-10  Comment Period: N/A    Public Hearing: 9/10/2019	Response to Comments	City of Beaumont	Document reviewed - No comments sent

# - Project has potential environmental justice concerns due to the nature and/or location of the project.  
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SOUTH COAST AQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<b>General Land Use (residential, etc.)</b> <b>LAC190903-12</b> The Villages at the Alhambra	The proposed project consists of demolition of 93,098 square feet of existing structures and construction of 1,060 residential units totaling 1,357,630 square feet with subterranean parking on 38.38 acres. The project is located on the northwest corner of South Fremont Avenue and West Mission Road.  Comment Period: 9/3/2019 - 10/17/2019                      Public Hearing: N/A	Notice of Availability of a Draft Environmental Impact Report	City of Alhambra	** Under review, may submit written comments
<b>General Land Use (residential, etc.)</b> <b>LAC190904-01</b> ENV-2016-4267: 5000 Beethoven Street	The proposed project consists of construction of 236 residential units totaling 235,000 square feet with subterranean parking on 2.79 acres. The project is located on the northeast corner of Beethoven Street and Panama Street in the community of Palms-Mar Vista-Del Rey.  Comment Period: 9/5/2019 - 10/7/2019                      Public Hearing: N/A	Mitigated Negative Declaration	City of Los Angeles	** Under review, may submit written comments
<b>General Land Use (residential, etc.)</b> <b>LAC190906-07</b> Rose Hill Courts Redevelopment Project	The proposed project consists of demolition of 82,645 square feet of existing structures and construction of nine buildings totaling 156,926 square feet with 185 residential units and 6,366 square feet of office uses on 5.24 acres. This project will also include 125,022 square feet of open space. The project is located at 4446 Florizel Street on the southwest corner of Florizel Street and McKenzie Street in the community of El Sereno. Reference LAC180926-03  Comment Period: 9/6/2019 - 10/21/2019                      Public Hearing: N/A	Notice of Availability of a Draft Environmental Impact Report/Draft Environmental Impact Statement	City of Los Angeles Housing Authority	** Under review, may submit written comments
<b>General Land Use (residential, etc.)</b> <b>LAC190910-05</b> Arroyo Village Residential Condominium Project	The proposed project consists of demolition of an existing 2,895-square-foot building and construction of 41 residential units totaling 55,000 square feet with subterranean parking on 1.16 acres. The project is located at 235 South Arroyo Drive on the southwest corner of South Arroyo Drive and Carillo Drive.  Comment Period: 9/9/2019 - 10/8/2019                      Public Hearing: N/A	Notice of Intent to Adopt a Mitigated Negative Declaration	City of San Gabriel	Document reviewed - No comments sent

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**ATTACHMENT A  
INCOMING CEQA DOCUMENTS LOG  
September 1, 2019 to September 30, 2019**

SOUTH COAST AQMD LOG-IN NUMBER	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
PROJECT TITLE				
<i>General Land Use (residential, etc.)</i> <b>LAC190912-05</b> Olympic Tower Project	The proposed project consists of demolition of 13,130 square feet of existing structures and construction of 374 residential units totaling 435,731 square feet, a 216,065-square-foot hotel with 373 rooms, and 109,373 square feet of commercial and office uses with subterranean parking on 0.85 acres. The project is located on the northwest corner of West Olympic Boulevard and South Figueroa Street in the community of Central City. Reference LAC181005-05 and LAC160624-02  Comment Period: N/A Public Hearing: 9/6/2019	Final Environmental Impact Report (received after certification)	City of Los Angeles	Document reviewed - No comments sent
<i>General Land Use (residential, etc.)</i> <b>LAC190917-01</b> Arts District Center Project	The proposed project consists of demolition of an existing 91,200-square-foot industrial building and construction of a 201,204-square-foot building with 129 residential units, an 87,810-square-foot hotel with 113 rooms, and 81,326 square feet of commercial uses with subterranean parking on 1.06 acres. The project is located on the southeast corner of East 4th Street and South Alameda Street in the community of Central City. Reference LAC190305-01	Final Environmental Impact Report	City of Los Angeles	Document reviewed - No comments sent
<i>General Land Use (residential, etc.)</i> <b>LAC190918-03</b> 8850 Sunset Boulevard Project	The proposed project consists of demolition of 48,450 square feet of existing structures, and construction of a 369,000-square-foot building with 41 residential units and a hotel with 115 rooms with subterranean parking on 39,983 square feet. The project is located on the southwest corner of Sunset Boulevard and Larrabee Street.  Comment Period: 9/19/2019 - 10/25/2019 Public Hearing: 10/10/2019	Notice of Preparation	City of West Hollywood	** Under review, may submit written comments
<i>General Land Use (residential, etc.)</i> <b>LAC190918-05</b> 93-Unit Detached Condominium Subdivision - Dockweiler Residential Project	The proposed project consists of construction of 93 residential units totaling 227,850 square feet on 19.4 acres. The project is located on the southwest corner of Dockweiler Drive and State Route 14.  Comment Period: 9/10/2019 - 10/1/2019 Public Hearing: 10/1/2019	Notice of Intent to Adopt a Mitigated Negative Declaration	City of Santa Clarita	** Under review, may submit written comments

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<b>General Land Use (residential, etc.)</b> <b>LAC190920-02</b> Times Mirror Square Project	The proposed project consists of demolition of 183,758 square feet of existing structures and construction of two buildings totaling 1,135,803 square feet with 1,127 residential units, 34,752 square feet of commercial uses, and subterranean parking on 3.6 acres. The project is located on the northwest corner of West 1st Street and South Spring Street in the community of Central City. Reference LAC190402-15 and LAC170705-12  Comment Period: N/A Public Hearing: 10/16/2019	Final Environmental Impact Report	City of Los Angeles	** Under review, may submit written comments
<b>General Land Use (residential, etc.)</b> <b>RVC190906-02</b> Center Park Residential Project	The proposed project consists of construction of 99 mobile home units on 12.88 acres. The project is located at 3444 Center Street on the southeast corner of Center Street and Orange Street.  Comment Period: 9/6/2019 - 9/25/2019 Public Hearing: 10/3/2019	Notice of Intent to Adopt a Mitigated Negative Declaration	City of Riverside	Document reviewed - No comments sent
<b>General Land Use (residential, etc.)</b> <b>RVC190906-05</b> Rockport Ranch Project	The proposed project consists of construction of 305 residential units totaling 549,000 square feet and 21.18 acres of roads and easements on 79.68 acres. The project will also include 20.1 acres of open space. The project is located on the southwest corner of Briggs Road and Old Newport Road. Reference RVC170905-01 and RVC170106-05  Comment Period: 9/5/2019 - 10/21/2019 Public Hearing: N/A	Draft Environmental Impact Report	City of Menifee	** Under review, may submit written comments
<b>General Land Use (residential, etc.)</b> <b>RVC190919-05</b> MA19184 (PAR19005)	The proposed project consists of subdivision of 10.59 acres for future construction of 220 residential units. This project will also include 3.47 acres of open space. The project is located on the southwest corner of Canal Street and Pacific Avenue.  Comment Period: 9/19/2019 - 10/3/2019 Public Hearing: N/A	Site Plan	City of Jurupa Valley	** Under review, may submit written comments

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<i>General Land Use (residential, etc.)</i> <b>RVC190924-06</b> Courtyards at Cottonwood Family Apartments Projects	The proposed project consists of construction of two buildings totaling 83,741 square feet with 81 residential units on 6.76 acres. The project is located on the northeast corner of Cottonwood Avenue and Indian Street.  Comment Period: 9/19/2019 - 10/7/2019 Public Hearing: 10/10/2019	Notice of Intent to Adopt a Mitigated Negative Declaration	City of Moreno Valley	Document reviewed - No comments sent
<i>General Land Use (residential, etc.)</i> <b>SBC190917-04</b> Etiwanda Heights Neighborhood & Conservation Plan Project	The proposed project consists of construction of 3,000 residential units, 180,000 square feet of commercial and retail uses, and 450 acres of open space on an 828-acre portion of 4,393 acres. The project will also include annexation of 4,088 acres from County of San Bernardino to the City of Rancho Cucamonga. The project is located on the northeast corner of Base Line Road and Haven Avenue. Reference SBC190507-01, SBC181212-01, SBC180102-08, and SBC170912-13  Comment Period: N/A Public Hearing: 10/2/2019	Final Environmental Impact Report	City of Rancho Cucamonga	Document reviewed - No comments sent
<i>Plans and Regulations</i> <b>LAC190912-04</b> Downtown Bellflower Transit Oriented Development Specific Plan	The proposed project consists of development of design standards and amendments to land use and zoning designations to guide and promote transit-supportive land uses on 400 acres. The project is located on the southwest corner of Rendalia Street and Woodruff Avenue. Reference LAC190614-03  Comment Period: N/A Public Hearing: 9/23/2019	Response to Comments	City of Bellflower	Document reviewed - No comments sent
<i>Plans and Regulations</i> <b>LAC190918-06</b> Tesoro del Valle Annexation	The proposed project consists of amendments to zoning and land use designations for 1,786 acres. The project is located on the northwest corner of Copper Hill Drive and San Francisquito Canyon Road. Reference LAC100803-07  Comment Period: 9/10/2019 - 10/1/2019 Public Hearing: 10/1/2019	Notice of Intent to Adopt a Negative Declaration	City of Santa Clarita	Document reviewed - No comments sent

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PROJECT TITLE				
<i>Plans and Regulations</i> <b>LAC190919-02</b> Diamond Bar General Plan 2040 and Climate Action Plan	The proposed project consists of updates to the City's General Plan elements and strategies for land use and economic development, circulation, resource conservation, public services and facilities, public safety, community characters, and community health and sustainability with a planning horizon of 2040. The project encompasses 13,039 acres and is bounded by City of Walnut to the north, City of Chino Hills to the east, City of Brea to the south, and the community of Rowland Heights to the west. Reference LAC180612-16  Comment Period: 9/16/2019 - 10/31/2019 Public Hearing: N/A	Draft Environmental Impact Report	City of Diamond Bar	** Under review, may submit written comments
<i>Plans and Regulations</i> <b>ORC190910-04</b> Irvine Ranch Open Space 2014 Donation Interim Recreation and Resource Management Plan	The proposed project consists of development of policies, strategies, actions, and programs to identify and accommodate current and future recreational needs on 2,300 acres. The project encompasses the cities of Orange and Anaheim and unincorporated areas of Orange County and is located near the intersection of State Route 91 and State Route 214.  Comment Period: 9/9/2019 - 10/9/2019 Public Hearing: 11/19/2019	Notice of Intent to Adopt a Mitigated Negative Declaration	County of Orange	Document reviewed - No comments sent
<i>Plans and Regulations</i> <b>ORC190917-09</b> Saddle Club Site Use Plan Implementation	The proposed project consists of demolition of existing equestrian uses and installation of trail signage on a 4.5-acre portion of 32.73 acres. The project is located at 31101 Live Oak Canyon Road near the southeast corner of Live Oak Canyon Road and Shelter Canyon Road in the community of Trabuco Canyon within Orange County.  Comment Period: 9/16/2019 - 10/15/2019 Public Hearing: 3/12/2020	Mitigated Negative Declaration	Foothill/Eastern Transportation Corridor Agency	Document reviewed - No comments sent
<i>Plans and Regulations</i> <b>ORC190919-03</b> Rich Heritage, Bright Future: Placentia General Plan	The proposed project consists of updates to the City's General Plan to allow for future development of 6,523 residential units and 784,000 square feet of commercial, office, and industrial uses with a planning horizon year of 2040. The project encompasses 4,238 acres and is bounded by State Route 90 to the north, City of Yorba Linda to the east, State Route 91 to the south, and State Route 57 to the east. Reference ORC190716-02 and ORC181016-07  Comment Period: N/A Public Hearing: N/A	Response to Comments	City of Placentia	** Under review, may submit written comments

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**ATTACHMENT B\***  
**ONGOING ACTIVE PROJECTS FOR WHICH SOUTH COAST AQMD HAS**  
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SOUTH COAST AQMD LOG-IN NUMBER	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<b>General Land Use (residential, etc.)</b> <b>LAC190815-01</b> The Bond Project	The proposed project consists of demolition of 10,000 square feet of existing structures, and construction of a 214,483-square-foot building with 86 hotel rooms and 70 residential units on 0.92 acres. The project is located on the northeast corner of Santa Monica Boulevard and North Orange Grove Avenue.  Comment Period: 8/14/2019 - 10/7/2019      Public Hearing: 8/21/2019	Notice of Availability of a Draft Environmental Impact Report	City of West Hollywood	**Under review, may submit written comments
<b>General Land Use (residential, etc.)</b> <b>ORC190820-03</b> Nakase Nursery/Toll Brothers Project	The proposed project consists of demolition of a 1,744-square-foot existing structure, and construction of 776 residential units totaling 1.3 million square feet and an elementary school to accommodate up to 1,000 students on 122 acres. The project will also include 28 acres of open space. The project is located on the southeast corner of Rancho Parkway and Bake Parkway. Reference ORC180713-01  Comment Period: 8/20/2019 - 10/3/2019      Public Hearing: N/A	Draft Environmental Impact Report	City of Lake Forest	**Under review, may submit written comments
<b>Plans and Regulations</b> <b>LAC190815-02</b> Port of Long Beach Port Master Plan Update	The proposed project consists of establishment of development policies, guidelines, and amendments to existing land uses. The project encompasses the Port of Long Beach that is located on the southwest corner of the West Anaheim Street and De Forest Avenue. Reference LAC180809-06  Comment Period: 8/15/2019 - 10/3/2019      Public Hearing: 9/4/2019	Draft Program Environmental Impact Report	City of Long Beach Harbor Department	**Under review, may submit written comments
<b>Warehouse &amp; Distribution Centers</b> <b>LAC190820-11</b> 13131 Los Angeles Industrial Street Project	The proposed project consists of demolition of two existing buildings and construction of a 528,710-square-foot warehouse on 24.9 acres. The project is located at 13131 Los Angeles Street near the northwest corner of Los Angeles Street and Little John Street.  <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190820-11.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190820-11.pdf</a> Comment Period: 8/14/2019 - 9/13/2019      Public Hearing: 8/26/2019	Notice of Preparation	City of Irwindale	South Coast AQMD staff commented on 9/10/2019
<b>Warehouse &amp; Distribution Centers</b> <b>RVC190813-02</b> MA19168	The proposed project consists of construction of 3.9 million square feet of warehouses, a hotel with 120 rooms, 193,320 square feet of retail uses, and 253,280 square feet of office uses on 240 acres. The project is located on the southeast corner of State Route 60 and Rubidoux Boulevard.  <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/RVC190813-02.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/RVC190813-02.pdf</a> Comment Period: 8/13/2019 - 9/13/2019      Public Hearing: N/A	Site Plan	City of Jurupa Valley	South Coast AQMD staff commented on 9/10/2019

\*Sorted by Comment Status, followed by Land Use, then County, then date received.

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SOUTH COAST AQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<b>Warehouse &amp; Distribution Centers</b> <b>RVC190814-01</b> Duke Perry Street and Barrett Avenue Warehouse Project	The proposed project consists of construction of a 148,297-square-foot warehouse on 7.26 acres. The project is located on the southwest corner of Perry Street and Barrett Avenue.  <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/RVC190814-01.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/RVC190814-01.pdf</a> Comment Period: 8/14/2019 - 9/12/2019 Public Hearing: N/A	Mitigated Negative Declaration	City of Perris	South Coast AQMD staff commented on 9/12/2019
<b>Warehouse &amp; Distribution Centers</b> <b>RVC190820-08</b> MA19175	The proposed project consists of construction of five warehouses totaling 190,594 square feet on 9.77 acres. The project is located on the southeast corner of Rubidoux Boulevard and 28th Street.  <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/RVC190820-08.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/RVC190820-08.pdf</a> Comment Period: 8/20/2019 - 9/3/2019 Public Hearing: N/A	Site Plan	City of Jurupa Valley	South Coast AQMD staff commented on 9/3/2019
<b>Warehouse &amp; Distribution Centers</b> <b>SBC190813-06</b> I-15 Logistics Project	The proposed project consists of construction of a 1,175,720-square-foot warehouse on 76 acres. The project is located on the northeast corner of Citrus Avenue and Interstate 15. Reference SBC180109-05  <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/SBC190813-06.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/SBC190813-06.pdf</a> Comment Period: 8/13/2019 - 9/27/2019 Public Hearing: 9/17/2019	Draft Environmental Impact Report	City of Fontana	South Coast AQMD staff commented on 9/24/2019
<b>Industrial and Commercial</b> <b>LAC190816-01</b> Consolidated Ready Mix	The proposed project consists of demolition of 1,800 square feet of existing structures, and construction of a chain link fence, walls, washout pits, and mixing materials storage tanks on 39,519 square feet. The project is located at 162 North Aspan Avenue near the northeast corner of North Aspan Avenue and West 1st Street.  <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190816-01.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190816-01.pdf</a> Comment Period: 8/6/2019 - 9/5/2019 Public Hearing: N/A	Mitigated Negative Declaration	City of Azusa	South Coast AQMD staff commented on 9/4/2019
<b>Waste and Water-related</b> <b>ALL190801-10</b> Adoption of Regulations to Implement SB 1383 - Short Lived Climate Pollutants Organic Waste Methane Emission Reduction Requirements	The proposed project consists of addition of Chapter 12 - Short-lived Climate Pollutants to the California Code of Regulations, Title 14, Division 7, and Title 27, Division 2 to implement and/or modify organic waste handling, processing, and disposal requirements pursuant to Senate Bill 1383 requirements. Reference ALL190104-03  <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/ALL190801-10.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/ALL190801-10.pdf</a> Comment Period: 7/30/2019 - 9/13/2019 Public Hearing: 8/20/2019	Notice of Availability of a Draft Environmental Impact Report	California Department of Resources Recycling and Recovery	South Coast AQMD staff commented on 9/3/2019

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<b>Retail</b> <b>RVC190808-02</b> Harvest Glen (Plot Plan No. 2017-225)	The proposed project consists of construction of a 4,967-square-foot retail store, two restaurants totaling 4,370 square feet, a 3,000-square-foot car wash service, a 6,164-square-foot fueling canopy, and a gasoline service station with eight pumps on 5.04 acres. The project is located on the northwest corner of Briggs Road and Pinacate Road. Reference: RVC170809-03 <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/RVC190808-02.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/RVC190808-02.pdf</a> Comment Period: 8/7/2019 - 9/6/2019 Public Hearing: 9/11/2019	Mitigated Negative Declaration	City of Menifee	South Coast AQMD staff commented on 9/4/2019
<b>Retail</b> <b>RVC190823-05</b> MA1496 (TTM36857, CUP15003, SDP31423)	The proposed project consists of construction of a 140,894-square-foot shopping center and a gasoline service station with 12 pumps on 12 acres. The project is located at 3150 Country Village Road on the southeast corner of Country Village Road and Philadelphia Avenue. Reference RVC160519-01 <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/RVC190823-05.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/RVC190823-05.pdf</a> Comment Period: 8/23/2019 - 9/6/2019 Public Hearing: N/A	Site Plan	City of Jurupa Valley	South Coast AQMD staff commented on 9/3/2019
<b>General Land Use (residential, etc.)</b> <b>LAC190806-02</b> Sterling Ranch Residential Project	The proposed project consists of construction of 222 residential units and 21,000 square feet of commercial uses on 113.9 acres. This project will also include 21 acres of open space. The project is located at 29053 Coolidge Avenue near the northwest corner of Coolidge Avenue and Hunstock Street in the community of Val Verde. <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190806-02.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190806-02.pdf</a> Comment Period: 8/5/2019 - 9/5/2019 Public Hearing: 8/29/2019	Notice of Preparation	County of Los Angeles	South Coast AQMD staff commented on 9/3/2019
<b>General Land Use (residential, etc.)</b> <b>LAC190809-05</b> Our Lady of Mt. Lebanon Project	The project consists of demolition of 12,370 square feet of existing structures, and construction of a church and 153 residential units totaling 180,080 square feet with subterranean parking on 0.97 acres. The project is located on the northwest corner of San Vicente Boulevard and Burton Way in the community of Wilshire. <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190809-05.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190809-05.pdf</a> Comment Period: 8/9/2019 - 9/9/2019 Public Hearing: 8/22/2019	Notice of Preparation	City of Los Angeles	South Coast AQMD staff commented on 9/3/2019
<b>General Land Use (residential, etc.)</b> <b>LAC190813-03</b> Sepulveda Palms Project	The proposed project consists of demolition of a 39,000-square-foot building and construction of a 430,864-square-foot building with 409 residential units and subterranean parking on 2.75 acres. The project is located at 3443 South Sepulveda Boulevard on the northwest corner of South Sepulveda Boulevard and Palms Boulevard in the community of Palms-Mar Vista-Del Ray. <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190813-03.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190813-03.pdf</a> Comment Period: 8/15/2019 - 9/16/2019 Public Hearing: 8/29/2019	Notice of Preparation	City of Los Angeles	South Coast AQMD staff commented on 9/10/2019

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<i>General Land Use (residential, etc.)</i> <b>LAC190820-01</b> Modelo Project	The proposed project consists of construction of 825 residential units and 165,000 square feet of retail uses with subterranean parking on 17.32 acres. The project is located on the southwest corner of Interstate 5 and Zindell Avenue.  <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190820-01.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190820-01.pdf</a> Comment Period: 8/19/2019 - 9/17/2019 Public Hearing: 8/24/2019	Notice of Preparation	City of Commerce	South Coast AQMD staff commented on 9/10/2019
<i>General Land Use (residential, etc.)</i> <b>LAC190827-05</b> 56-Unit Townhome Project	The proposed project consists of construction of 56 residential units on 2.32 acres. The project is located at 13811 Valley View Avenue on the southwest corner of Valley View Avenue and Bora Drive.  <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190827-05.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190827-05.pdf</a> Comment Period: 8/20/2019 - 9/13/2019 Public Hearing: 9/19/2019	Mitigated Negative Declaration	City of La Mirada	South Coast AQMD staff commented on 9/6/2019
<i>General Land Use (residential, etc.)</i> <b>ORC190725-01</b> Mercury Residential Project	The proposed project consists of construction of a 171,433-square-foot building with 120 residential units. The project is located on the southeast corner of Mercury Lane and South Berry Street. Reference ORC181214-01  <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/ORC190725-01.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/ORC190725-01.pdf</a> Comment Period: 7/24/2019 - 9/9/2019 Public Hearing: N/A	Draft Environmental Impact Report	City of Brea	South Coast AQMD staff commented on 9/4/2019
<i>General Land Use (residential, etc.)</i> <b>ORC190816-04</b> Brea Mall Mixed Use Project	The proposed project consists of demolition of an existing 161,990-square-foot structure and a 12-acre surface parking lot, and construction of a 380,947-square-foot building with 312 residential units and 311,615 square feet of retail uses on 17.5 acres. The project is located near the southeast corner of South Randolph Avenue and East Birch Street.  <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/ORC190816-04.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/ORC190816-04.pdf</a> Comment Period: 8/16/2019 - 9/16/2019 Public Hearing: 8/28/2019	Notice of Preparation	City of Brea	South Coast AQMD staff commented on 9/10/2019
<i>General Land Use (residential, etc.)</i> <b>ORC190822-01</b> Avanti Anaheim Boulevard Townhomes Project	The proposed project consists of demolition of eight buildings and construction of 292 residential units totaling 442,988 square feet on 11.87 acres. The project is located on the southeast corner of West Cerritos Avenue and Anaheim Boulevard.  <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/ORC190822-01.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/ORC190822-01.pdf</a> Comment Period: 8/22/2019 - 9/11/2019 Public Hearing: 9/30/2019	Notice of Intent to Adopt a Mitigated Negative Declaration	City of Anaheim	South Coast AQMD staff commented on 9/10/2019

# - Project has potential environmental justice concerns due to the nature and/or location of the project.

\*\* Disposition may change prior to Governing Board Meeting

**ATTACHMENT B  
ONGOING ACTIVE PROJECTS FOR WHICH SOUTH COAST AQMD HAS  
OR IS CONTINUING TO CONDUCT A CEQA REVIEW**

SOUTH COAST AQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<b>General Land Use (residential, etc.)</b> <b>ORC190827-03</b> Tentative Tract Map 19103	The proposed project consists of subdivision of 25.4 acres for future development of 400 residential units. The project is located near the northwest corner of Tustin Ranch Road and Barranca Parkway.  <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/ORC190827-03.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/ORC190827-03.pdf</a> Comment Period: 8/22/2019 - 9/6/2019 Public Hearing: N/A	Site Plan	City of Tustin	South Coast AQMD staff commented on 9/3/2019
<b>General Land Use (residential, etc.)</b> <b>RVC190821-04</b> Menifee Valley Specific Plan	The proposed project consists of construction of 2,628 residential units and 305,340 square feet of office, retail, and civic uses on 594 acres. This project will also include 42 acres of open space. The project is located on the northeast corner of Matthews Road and Menifee Road. Reference RVC180823-02  <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190821-04.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190821-04.pdf</a> Comment Period: 8/21/2019 - 9/21/2019 Public Hearing: 9/9/2019	Notice of Preparation	City of Menifee	South Coast AQMD staff commented on 9/17/2019
<b>Plans and Regulations</b> <b>LAC190814-03</b> Harbor LA Community Plans Update	The proposed project consists of development of land use policies, designations, zoning, and ordinances to guide future commercial, industrial, and residential development on 16.9 square miles. The project encompasses the communities of Harbor Gateway and Wilmington-Harbor City that are bounded by Interstate 105 to the north, Interstate 710 to the east, State Route 47 to the south, and City of Torrance to the west.  <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190814-03.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/LAC190814-03.pdf</a> Comment Period: 8/15/2019 - 9/16/2019 Public Hearing: 8/22/2019	Notice of Preparation	City of Los Angeles	South Coast AQMD staff commented on 9/13/2019
<b>Plans and Regulations</b> <b>RVC190807-02</b> City of Desert Hot Springs General Plan Update	The proposed project consists of updates to the City's General Plan to guide future development with a planning horizon of 2040. The project encompasses 59.3 square miles and is bounded by San Bernardino County to the north, Big Morongo Canyon Preserve to the east, Interstate 10 to the south, and the community of Bonnie Bell to the west in Riverside County.  <a href="http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/RVC190807-02.pdf">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/september/RVC190807-02.pdf</a> Comment Period: 8/5/2019 - 9/5/2019 Public Hearing: 8/13/2019	Notice of Preparation	City of Desert Hot Springs	South Coast AQMD staff commented on 9/3/2019

# - Project has potential environmental justice concerns due to the nature and/or location of the project.

\*\* Disposition may change prior to Governing Board Meeting

**ATTACHMENT C**  
**ACTIVE SOUTH COAST AQMD LEAD AGENCY PROJECTS**  
**THROUGH SEPTEMBER 30, 2019**

PROJECT DESCRIPTION	PROPONENT	TYPE OF DOCUMENT	STATUS	CONSULTANT
<p>The Phillips 66 (formerly ConocoPhillips) Los Angeles Refinery Ultra Low Sulfur Diesel project was originally proposed to comply with federal, state and South Coast AQMD requirements to limit the sulfur content of diesel fuels. Litigation regarding the CEQA document was filed. Ultimately, the California Supreme Court concluded that the South Coast AQMD had used an inappropriate baseline and directed the South Coast AQMD to prepare an EIR, even though the project has been built and has been in operation since 2006. The purpose of this CEQA document is to comply with the Supreme Court's direction to prepare an EIR.</p>	<p>Phillips 66 (formerly ConocoPhillips), Los Angeles Refinery</p>	<p>Environmental Impact Report (EIR)</p>	<p>The Notice of Preparation/Initial Study (NOP/IS) was circulated for a 30-day public comment period on March 26, 2012 to April 26, 2012. The consultant submitted the administrative Draft EIR to South Coast AQMD in late July 2013. The Draft EIR was circulated for a 45-day public review and comment period from September 30, 2014 to November 13, 2014. Two comment letters were received and the consultant has prepared responses to comments. South Coast AQMD staff has reviewed the responses to comments and provided edits.</p>	<p>Environmental Audit, Inc.</p>
<p>Quemetco is proposing to modify existing South Coast AQMD permits to allow the facility to recycle more batteries and to eliminate the existing daily idle time of the furnaces. The proposed project will increase the rotary feed drying furnace feed rate limit from 600 to 750 tons per day and increase the amount of total coke material allowed to be processed. In addition, the project will allow the use of petroleum coke in lieu of or in addition to calcined coke, and remove one existing emergency diesel-fueled internal combustion engine (ICE) and install two new emergency natural gas-fueled ICEs.</p>	<p>Quemetco</p>	<p>Environmental Impact Report (EIR)</p>	<p>A Notice of Preparation/Initial Study (NOP/IS) was released for a 56-day public review and comment period from August 31, 2018 to October 25, 2018, and 154 comment letters were received. Two CEQA scoping meetings were held on September 13, 2018 and October 11, 2018 in the community. South Coast AQMD staff is reviewing the comments received.</p>	<p>Trinity Consultants</p>
<p>Tesoro is proposing to revise the project originally analyzed in the Final Environmental Impact Report for the May 2017 Tesoro Los Angeles Refinery Integration and Compliance Project (LARIC) to adjust the construction schedule and to modify its Title V permit to: 1) relocate the propane recovery component of the original project from the Carson Operations Naphtha Isomerization Unit to the Carson Operations C3 Splitter Unit; 2) increase the throughput of the Carson Operations Tank 35; and, 3) update the toxic air contaminant speciation for the six crude oil storage tanks at the Carson crude terminal with additional data.</p>	<p>Tesoro Refining &amp; Marketing Company, LLC (Tesoro)</p>	<p>Addendum to the Final Environmental Impact Report for the May 2017 Tesoro Los Angeles Refinery Integration and Compliance Project (LARIC)</p>	<p>The consultant provided a Revised Draft Addendum, which is undergoing South Coast AQMD staff review.</p>	<p>Environmental Audit, Inc.</p>