

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

Author:	Elliott Popel	Air Quality Specialist
Contributors:	Tuyet-le Pham	Air Quality Specialist
Reviewed by:	Barbara Baird William Wong	Chief Deputy District Counsel Principal Deputy District Counsel

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
GOVERNING BOARD**

Chairman: DR. WILLIAM A. BURKE
Speaker of the Assembly Appointee

Vice Chairman: BEN BENOIT
Council Member, Wildomar
Cities of Riverside County

MEMBERS:

LISA BARTLETT
Supervisor, Fifth District
County of Orange

JOE BUSCAINO
Council Member, 15th District
City of Los Angeles Representative

MICHAEL A. CACCIOTTI
Council Member, South Pasadena
Cities of Los Angeles County/Eastern Region

VANESSA DELGADO
Senate Rules Committee Appointee

JANICE HAHN
Supervisor, Fourth District
County of Los Angeles

LARRY MCCALLON
Mayor Pro Tem, Highland
Cities of San Bernardino County

JUDITH MITCHELL
Mayor, Rolling Hills Estates
Cities of Los Angeles County/Western Region

V. MANUEL PEREZ
Supervisor, Fourth District
County of Riverside

DWIGHT ROBINSON
Council Member, Lake Forest
Cities of Orange County

JANICE RUTHERFORD
Supervisor, Second District
County of San Bernardino

VACANT
Governor's Appointee

EXECUTIVE OFFICER:

WAYNE NASTRI

Table of Contents

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

EXECUTIVE SUMMARY	EX-1
I. BACKGROUND	1
II. REPORTING	2
III. PROGRAM GUIDANCE	3
Purpose	3
Activities.....	3
Local Government Coordination.....	4
IV. PROGRAM DATA	5
Project Categories.....	5
Project Funding & Quantification	7
Emission Reductions & Cost-Effectiveness.....	10
V. PROGRAM OUTREACH	14
ATTACHMENT A: Eligible Cities and Counties (FY 2017-18).....	17
ATTACHMENT B: FY 2017-18 AB 2766 Subvention Fund Program Reports.....	19
South Coast Cities and Counties Financial Summary of Motor Vehicle Funds.....	20
Local Government Administrative Costs.....	27
Local Government Projects Funded by Category.....	31
Percent of Project Expenditures by Project Category.....	39
Summary of Spending by Project Subcategory.....	40
Project Funding Sources	42
Range of Cost-Effectiveness by Subcategory for Fiscal Year 2017-18.....	59
Average Cost-Effectiveness by Project	60
Cost-Effectiveness of Funding by Project	71
Summary of Projects that Reported Cost-Effectiveness	81

TABLES

<u>Table 1</u> Summary of COG Activities.....	5
<u>Table 2</u> Motor Vehicle Funds (MV) Financial Summary (As Reported by Local Jurisdictions)	8
<u>Table 3</u> History of MV Funds Financial Summary	8
<u>Table 4</u> Local Government Project Reporting & Emission Reduction Quantification	9
<u>Table 5</u> Project Quantification History.....	9
<u>Table 6</u> Expenditures by Project Category	10
<u>Table 7</u> Project Spending and Emissions Reduced	11
<u>Table 8</u> Emissions Reduced and Cost-Effectiveness By Project Category	12
<u>Table 9</u> History of Emissions Reduced and Cost-Effectiveness	13
<u>Table 10</u> Project Subcategories with Highest Funding Allocations.....	14

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 subvended 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 subvended 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)

County	Beginning Balance	MV Fees Received	Project Spending	Ending Balance¹	Pre-designated Funds	Funds Remaining
Los Angeles	\$30,661,422	\$12,691,597	\$10,748,286	\$32,590,704	\$27,964,327	\$4,626,377
Orange	\$13,410,989	\$4,081,195	\$3,927,242	\$13,611,109	\$10,963,984	\$2,647,125
Riverside	\$5,921,933	\$2,953,131	\$2,439,781	\$6,441,593	\$5,674,253	\$767,340
San Bernardino	\$7,586,828	\$2,047,626	\$1,855,130	\$7,781,432	\$6,722,231	\$1,059,201
Totals*	\$57,581,172	\$21,773,549	\$18,970,439	\$60,424,838	\$51,324,794	\$9,100,044

*Totals may vary due to rounding.

Table 3
History of Motor Vehicle Funds Financial Summary

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

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.

¹ 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

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

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

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

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

Project Category	Project Spending*	Percent of Spending*	# of Projects
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
Totals*	\$ 18,970,439	100%	358

* 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 ² (Tons/Year)				
			ROG	NO _x	PM 10	CO/7	Totals*
Los Angeles	180	\$10,748,286	10	14	6	15	45
Orange	89	\$3,927,242	4	10	3	6	23
Riverside	51	\$2,439,781	6	7	2	9	24
San Bernardino	38	\$1,855,130	1	1	1	2	5
Totals*	358	\$18,970,439	22	32	12	31	98

* 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

² Emissions reduced account for total reductions (VOC, NO_x, PM_{2.5} 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

Project Category	Number of Projects	Number of Projects Quantified	Percent of Projects Quantified	Emissions Reduced³ (lbs./yr.)	Emission Reduced⁴ (tons/yr.)	Air Funds Cost-Effectiveness⁵ (\$/lb.)
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
Totals*	358	234	66%	195,321	98	\$34.64

*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_{2.5} 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

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

*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

Project Category (# of Projects)	Project Subcategory (# of Projects)	Project Subcategory Expenditures	Percent of Project Category Expenditures*
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)

Los Angeles County	Los Angeles County (cont'd)	Orange County	Riverside County	San Bernardino County
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			
Total Eligible Governments = 162	Los Angeles = 82	Orange = 35	Riverside = 28	San Bernardino = 17

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	Ending Balance	Funds 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
	County Total:	\$30,661,422	\$12,691,597	\$324,318	\$43,677,337	\$10,748,286	\$338,346	\$32,590,704	\$27,964,327
	Orange								
	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
	County Total:	\$13,410,989	\$4,081,195	\$133,142	\$17,625,325	\$3,927,242	\$86,975	\$13,611,109	\$10,963,984
Riverside									
	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
	County Total:	\$5,921,933	\$2,953,131	\$48,030	\$8,923,094	\$2,439,781	\$41,720	\$6,441,593	\$5,674,253
San Bernardino									
	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
	County Total:	\$7,586,828	\$2,047,626	\$68,054	\$9,702,508	\$1,855,130	\$65,946	\$7,781,432	\$6,722,231
	GRAND TOTAL:	\$57,581,172	\$21,773,549	\$573,544	\$79,928,264	\$18,970,439	\$532,987	\$60,424,838	\$51,324,794
	<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%

Local Government	Administrative Costs	Motor Vehicle Revenues	Admin Costs as % of Revenues
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%

Local Government	Administrative Costs	Motor Vehicle Revenues	Admin Costs as % of Revenues
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%

Local Government	Administrative Costs	Motor Vehicle Revenues	Admin Costs as % of Revenues
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
(1) Alternative Fuels/Electric Vehicles			
(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

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
		Subcategory Total	\$4,907,661
	(1b) Alternative Fuel Vehicle Conversions		
Irvine		CNG Vehicles Conversion	\$47,300
Irvine		CNG Conversion Cost for Street Sweeper	\$29,200
		Subcategory Total	\$76,500
	(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
		Subcategory Total	\$549,319
	(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
		Subcategory Total	\$643,531
	(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
		Subcategory Total	\$576,576
		Category Total	\$6,753,587

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(3) Land Use			
(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
		Subcategory Total	\$529,033
(3b) Development Guidelines			
Lakewood		91/605/405 COG Major Corridor Study	\$9,939
Santa Ana		TOD Parking Guidelines	\$62,228
		Subcategory Total	\$72,168
(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
		Subcategory Total	\$438,466
(3d) Land Use Research			
Santa Ana		Metro Mixed Use Overlay District Air & GHG	\$11,243
		Subcategory Total	\$11,243
		Category Total	\$1,050,910
(4) Public Transportation (Transit & Rail)			
(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
		Subcategory Total	\$64,158
(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
		Subcategory Total	\$635,953
(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

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
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
		Subcategory Total	\$267,505
		Category Total	\$967,616

(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
	Subcategory Total	\$260,461

(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 Allesandro 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
	Subcategory Total	\$1,806,834

(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

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
			Subcategory Total
	(5d) Traffic Management Research and Dev		\$87,251
Huntington Beach	Traffic Counts		\$175
			Subcategory Total
			\$175
			Category Total
			\$2,154,721
(6) Transportation Demand Management			
	(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
			Subcategory Total
			\$3,200,759

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(6b) Other Trip Reduction Incentive Programs			
Monterey Park		Employee Rideshare Program	\$16,000
Whittier		GO RIO Whittier College bus pass program	\$9,268
Subcategory Total			\$25,268
(6c) Vanpool Programs			
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
Subcategory Total			\$382,580
(6d) Park and Ride Lots (for carpools, transit)			
Irvine		Security Service Provided by Irvine PS at Train Station	\$230,000
Temecula		Temecula Park and Ride	\$135,000
Subcategory Total			\$365,000
(6f) Transportation Management Agencies/Organizations			
Glendale		Transportation Management Agency Services	\$8,111
Irvine		Irvine Spectrum TMA	\$4,044
Los Angeles (City)		LADOT Trip Reduction Program Implementation	\$329,000
Subcategory Total			\$341,155
Category Total			\$4,314,762
(8) Bicycles			
(8a) Bicycle Lanes and Trails (also bridges)			
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
Subcategory Total			\$368,176
(8b) Other Bicycle Facilities (racks, lockers, loop detectors)			
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
Subcategory Total			\$254,802
(8c) Bicycle Usage (electric bikes, purchases, loaner projects)			
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
Subcategory Total			\$134,019
(8d) Bicycle Research and Dev (engineering studies)			
Fullerton		Priority Bike Connection	\$18,275
Garden Grove		Bicycle Corridor Improvement Project	\$18,450

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
		Subcategory Total	\$36,725
		Category Total	\$793,721
(9) PM Reduction Strategies			
	(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
		Subcategory Total	\$859,712
		Category Total	\$859,712
(10) Public Education			
	(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
		Subcategory Total	\$176,733
	(10b) Long Term PE (curriculum, video, brochures, bilingual)		
Long Beach		Bike Share Operations/Marketing	\$5,549
		Subcategory Total	\$5,549
		Category Total	\$182,282
(11) Miscellaneous Projects			
	(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

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
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
		Subcategory Total	\$1,893,127
		Category Total	\$1,893,127
		GRAND TOTAL:	\$18,970,439

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
	\$18,970,439	100%	358

Summary of Spending by Project SubCategory

Fiscal Year 2017 - 2018

Subcategory	Category	Expenditures by Subcategory	Number of Projects
(1) Alternative Fuels/Electric Vehicles			
(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
(3) Land Use			
(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
(4) Public Transportation (Transit & Rail)			
(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
(5) Traffic Management			
(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
(6) Transportation Demand Management			
(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
(8) Bicycles			
(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

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

Project Funding Sources

Fiscal Year 2017 - 2018

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Agoura Hills					
2018 Toyota Highlander Hybrid Purchase	\$37,461	\$0	\$0	\$0	\$0
Alhambra					
Purchase of one (1) CNG Engine Regenerative Street Sweeper Rule 2202	\$314,078	\$0	\$0	\$0	\$0
	\$131	\$0	\$0	\$0	\$0
Aliso Viejo					
1 alternative fuel vehicle	\$29,800	\$0	\$0	\$0	\$0
Anaheim					
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
Arcadia					
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
Artesia					
Pre-Emption Replacement	\$10,825	\$0	\$0	\$0	\$0
Azusa					
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
Baldwin Park					
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
Banning					
WRCOG Clean Cities Coalition	\$3,000	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Beaumont					
	\$0	\$0	\$0	\$0	\$0
Bell					
	\$0	\$0	\$0	\$0	\$0
Bell Gardens					
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
Bellflower					
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
Beverly Hills					
	\$0	\$0	\$0	\$0	\$0
Big Bear Lake					
	\$0	\$0	\$0	\$0	\$0
Brea					
Tracks at Brea (Segment 4)	\$50,000	\$266,766	\$228,768	\$0	\$4,162,446
Buena Park					
	\$0	\$0	\$0	\$0	\$0
Burbank					
Employee Rideshare Subsidies	\$27,658	\$0	\$0	\$0	\$0
Employee Transit Subsidies	\$28,749	\$0	\$0	\$0	\$0
Calabasas					
Bike Lane Striping	\$11,922	\$0	\$0	\$0	\$0
Continued Lease of City Fleet Vehicles	\$30,754	\$0	\$0	\$0	\$0
Calimesa					
Clean Cities Coalition	\$3,000	\$0	\$0	\$0	\$0
Canyon Lake					
One 2018 Toyota Utility-Highlander	\$46,132	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Carson					
Employee Carpool Program	\$29,132	\$0	\$0	\$0	\$0
Cathedral City					
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$52,245	\$0	\$0	\$0	\$0
Cerritos					
City Employee Rideshare Trip Rebate Program	\$26,110	\$0	\$0	\$0	\$0
Chino					
Emission Credit Filing Fee	\$569	\$0	\$0	\$0	\$0
Vehicle Emission Credits Purchased	\$5,047	\$0	\$0	\$0	\$0
Chino Hills					
2 Solar Powered Changeable Message Board trailers	\$28,177	\$0	\$0	\$0	\$0
Claremont					
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
Coachella					
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$43,600	\$0	\$0	\$0	\$0
Colton					
Chevy Bolt Electric Vehicle Purchase	\$38,891	\$0	\$0	\$0	\$0
Commerce					
Employer Based Trip Reduction	\$16,599	\$0	\$0	\$0	\$0
Compton					
Rideshare Incentive Payments	\$20,738	\$0	\$0	\$0	\$0
Corona					
Corona Cruiser Fare Subsidy	\$2,623	\$0	\$0	\$0	\$0
Western Riverside Council of Gov. Clean Cities Coalition	\$6,000	\$0	\$0	\$0	\$0
Costa Mesa					
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

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
County of LA					
Bicycle Racks and Installation	\$61,999	\$0	\$0	\$0	\$0
Employee Commute Reduction Program	\$710,286	\$0	\$0	\$0	\$0
County of Orange					
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
County of Riverside					
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
County of San Bernardino					
Employee Commute Reduction Program	\$228,106	\$0	\$0	\$0	\$0
Vanpool Subsidy Program	\$15,947	\$0	\$0	\$0	\$0
Covina					
1 Chevrolet Bolt EV Premier	\$45,606	\$0	\$0	\$0	\$0
Cudahy					
Lease of 2 Hybrid Vehicles	\$1,625	\$0	\$0	\$0	\$0
Culver City					
CNG Station Compressor Replacement	\$42,928	\$0	\$0	\$0	\$895,948
Cypress					
Compressed Natural Gas Street Sweepers	\$519,000	\$0	\$0	\$0	\$0
Dana Point					
	\$0	\$0	\$0	\$0	\$0
Desert Hot Springs					
Regional PM 10 Street Sweeping Program	\$26,853	\$0	\$0	\$0	\$0
Diamond Bar					
Traffic Signal Infrastructure Upgrades (PJ#24517)	\$119,705	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Downey					
2018 Audit	\$1,854	\$0	\$0	\$0	\$0
Downey Employee "Thumbs Up" Commuting Program	\$114,367	\$0	\$0	\$0	\$0
Duarte					
Hybrid vehicle purchase	\$44,622	\$0	\$0	\$0	\$0
Eastvale					
Electrical Vehicle Charging Stations (4)	\$16,915	\$0	\$0	\$0	\$0
WRCOG Clean Cities Coalition	\$6,000	\$0	\$0	\$0	\$0
El Monte					
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
El Segundo					
City employee ride share program	\$7,500	\$0	\$0	\$0	\$0
New EV Vehicle for City Staff	\$35,000	\$0	\$0	\$0	\$0
Fontana					
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
Fountain Valley					
	\$0	\$0	\$0	\$0	\$0
Fullerton					
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

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Garden Grove					
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
Gardena					
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
Glendale					
Commute Program Outreach	\$8,901	\$0	\$0	\$0	\$0
Transportation Management Agency Services	\$8,111	\$0	\$0	\$0	\$0
Glendora					
Altcom Employer Rideshare Program	\$10,865	\$0	\$0	\$0	\$0
Bike Racks	\$3,494	\$0	\$0	\$0	\$0
Grand Terrace					
Senior Transportation Program	\$5,000	\$0	\$0	\$0	\$10,000
Hawaiian Gardens					
Gateway Cities Strategic Transportation Plan (STP)	\$6,500	\$0	\$0	\$0	\$0
Hybrid Vehicle Purchase	\$32,142	\$0	\$0	\$0	\$0
Hawthorne					
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
Hemet					
WRCOG Clean Cities Coalition	\$5,000	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Hermosa Beach					
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
Hidden Hills					
Purchase of One On-Road Light Duty Zero Emission Vehicle	\$24,272	\$10,000	\$0	\$0	\$0
Highland					
Class II Bike Lane Installation	\$1,047	\$1,047	\$0	\$0	\$0
Traffic Signal Synchronization	\$19,735	\$0	\$0	\$0	\$0
Huntington Beach					
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
Huntington Park					
Fiat 500 E leased Vehicle	\$4,307	\$0	\$0	\$0	\$0
Hybrid Leased Vehicles	\$22,443	\$0	\$0	\$0	\$0
Indian Wells					
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$5,065	\$0	\$0	\$0	\$0
Indio					
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$61,794	\$0	\$0	\$0	\$0
Inglewood					
Purchase of 5 Vehicles	\$153,609	\$0	\$0	\$0	\$0
Rule 2202	\$13,900	\$0	\$0	\$0	\$0
Irvine					
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

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

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Laguna Woods					
	\$0	\$0	\$0	\$0	\$0
Lake Elsinore					
Citywide Dirt Road Paving Program	\$68,516	\$0	\$0	\$0	\$0
WRCOG Clean Cities Coalition	\$6,000	\$0	\$0	\$0	\$0
Lake Forest					
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
Lakewood					
91/605/405 COG Major Corridor Study	\$9,939	\$0	\$0	\$0	\$0
CNG Fuel Tank Upgrade	\$7,289	\$0	\$0	\$0	\$0
Lawndale					
	\$0	\$0	\$0	\$0	\$0
Loma Linda					
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
Lomita					
Lease of Volkswagen e-Golf	\$2,998	\$0	\$0	\$0	\$0
Leasing alternative fuel street sweepers	\$15,000	\$0	\$0	\$0	\$0
Long Beach					
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

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
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
Los Alamitos					
	\$0	\$0	\$0	\$0	\$0
Los Angeles (City)					
#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

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Traffic Calming Studies and Implementation Lynwood	\$251,000	\$0	\$0	\$0	\$61,021
Charging Stations at City Hall Malibu	\$44,643	\$0	\$0	\$0	\$0
Manhattan Beach	\$0	\$0	\$0	\$0	\$0
Bike Rack Purchase	\$4,189	\$0	\$0	\$0	\$0
Rideshare Program Maywood	\$13,800	\$0	\$0	\$0	\$0
Installation of Charging Station for Electric Vehicles	\$34,103	\$0	\$0	\$0	\$0
Purchase of New Electric Vehicle Meniffee	\$29,186	\$0	\$0	\$0	\$0
Alternative Fuels Vehicle Purchase Mission Viejo	\$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 Monrovia	\$56,875	\$0	\$0	\$0	\$0
Monrovia Public Transportation Subsidy Program Montclair	\$9,068	\$0	\$0	\$0	\$0
Rideshare Program	\$25,855	\$0	\$0	\$0	\$0
Street Sweeper Purchase Montebello	\$93,334	\$0	\$0	\$0	\$0
Employee Commute Reduction Program Monterey Park	\$35,139	\$0	\$0	\$0	\$0
CNG Station Compression Services Tariff (CST) Agreement	\$71,200	\$0	\$0	\$0	\$104,228
Employee Rideshare Program Moreno Valley	\$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

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Murrieta					
Purchase of 2 Chevy Volts	\$69,033	\$0	\$0	\$0	\$0
Traffic Signal Optimization/Congestion Management (CIP 8330)	\$66,750	\$0	\$0	\$0	\$0
Newport Beach					
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
Norco					
Two 2018 Ford Cmax Hybrids	\$48,505	\$0	\$0	\$0	\$0
Norwalk					
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
Ontario					
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
Orange (City)					
(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
Palm Desert					
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
Palm Springs					
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$45,355	\$0	\$0	\$0	\$0
Palos Verdes Estates					
Alternative Fuel Vehicle Purchase	\$30,000	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Paramount					
Purchase of Hybrid Vehicle	\$47,429	\$0	\$0	\$0	\$0
Pasadena					
Rideshare program	\$163,763	\$0	\$0	\$0	\$0
Perris					
Purchase of 5 (Five) Toyota RAV4 Hybrid XLE (New - 2018)	\$157,915	\$0	\$0	\$0	\$0
Pico Rivera					
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
Placentia					
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
Pomona					
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
Rancho Cucamonga					
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
Rancho Mirage					
Regional PM10 Street Sweeping Using 2 Sweepers	\$17,427	\$0	\$0	\$0	\$0
Rancho Palos Verdes					
Route 225 Extension (Year 2 of 3)	\$49,995	\$0	\$0	\$0	\$0
Rancho Santa Margarita					
Antonio Parkway Signal & Equipment Upgrade	\$438	\$0	\$0	\$0	\$0
SMP Signal & Equipment Upgrade	\$1,020	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Redlands					
Installation of Class II Bike Lanes	\$42,955	\$49,844	\$0	\$0	\$0
Redondo Beach					
Employee Rideshare	\$54,069	\$0	\$0	\$0	\$0
Rialto					
Employee Rideshare Program	\$58,592	\$0	\$0	\$0	\$0
Riverside (City)					
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
Rolling Hills Estates					
	\$0	\$0	\$0	\$0	\$0
Rosemead					
Electric Charging Station Installation	\$30,430	\$0	\$0	\$0	\$0
San Bernardino (City)					
Purchase of Ford C-Max Hybrid Vehicles	\$805,539	\$0	\$0	\$0	\$0
Rideshare Program	\$11,862	\$0	\$0	\$0	\$0
San Clemente					
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
San Dimas					
	\$0	\$0	\$0	\$0	\$0
San Fernando					
Alternative Fuel Fleet	\$50,107	\$0	\$0	\$0	\$0
CNG Station Upgrade Project	\$7,023	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
San Gabriel					
Ford Fusion Hybrid	\$50,881	\$0	\$0	\$0	\$0
San Jacinto					
Purchase of 5 2018 Toyota RAV4 Hybrids	\$152,249	\$0	\$0	\$0	\$0
WRCOG Clean Cities Coalition	\$12,000	\$0	\$0	\$0	\$0
San Juan Capistrano					
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
San Marino					
	\$0	\$0	\$0	\$0	\$0
Santa Ana					
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
Santa Clarita					
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
Santa Fe Springs					
	\$0	\$0	\$0	\$0	\$0
Santa Monica					
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

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

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Walnut					
Bus Pass Subsidies	\$6,500	\$0	\$0	\$0	\$0
Street Sweeping with CNG Sweeper	\$30,000	\$0	\$0	\$0	\$0
West Covina					
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
West Hollywood					
Alternative Mode Transportation Incentive	\$27,546	\$0	\$0	\$0	\$0
Westlake Village					
Purchase and lease of 3 alternative fuel vehicles	\$35,575	\$0	\$0	\$0	\$0
Westminster					
Employee Rideshare Program	\$7,374	\$0	\$0	\$0	\$0
Project V - Little Saigon Shuttle Pilot Program	\$122,200	\$0	\$0	\$0	\$0
Whittier					
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
Wildomar					
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
Yorba Linda					
Vehicle replacement program to alternative fuels	\$25,795	\$0	\$0	\$0	\$0
Yucaipa					
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
Totals	\$18,970,439	\$1,027,044	\$708,901	\$0	\$28,392,790

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

	Lowest (ROG + NO _x + PM _{2.5})	Highest	Lowest (ROG + NO _x + PM _{2.5} + CO/7)	Highest
(1a) Alternative Fuel Vehicle Purchases	\$15.21	\$325,916.45	\$14.98	\$82,169.07
(1b) Alternative Fuel Vehicle Conversions	\$4.34	\$11.89	\$4.30	\$11.74
(1d) Electric Vehicle Purchases	\$5.42	\$129,071.73	\$4.11	\$37,096.62
(3c) Facilities (Pedestrian, mixed use, etc.)	\$2.75	\$2.89	\$1.72	\$1.81
(4c) Transit Operations (new service, shuttles, fuel subsidies)	\$193.56	\$32,759.33	\$134.97	\$28,208.10
(4d) Passenger Fare Subsidies	\$14.15	\$251.39	\$8.91	\$157.23
(5b) Traffic Flow or Signalization (timing, surveillance)	\$0.59	\$710.72	\$0.46	\$552.78
(5c) Alternate Mode Signalization (transit/bike pre-emption)	\$28.71	\$28.71	\$28.71	\$28.71
(6a) Employer-Based Trip Reduction	\$3.70	\$725.07	\$2.32	\$425.29
(6b) Other Trip Reduction Incentive Programs	\$21.01	\$171.64	\$13.23	\$107.35
(6c) Vanpool Programs	\$41.56	\$1,772.12	\$47.56	\$3,025.31
(8a) Bicycle Lanes and Trails (also bridges)	\$1.04	\$18,967.60	\$0.65	\$11,977.59
(8c) Bicycle Usage (electric bikes, purchases, loaner projects)	\$27.25	\$14,781.06	\$16.60	\$5,285.73
(9a) Road Dust Control (paving roads, shoulders, street	\$3.51	\$145.34	\$3.50	\$145.33
(10a) Short Term PE (promote transit, rideshare; conferences)	\$67.62	\$67.62	\$42.29	\$42.29
(11a) Miscellaneous (use with "Miscellaneous Projects")	\$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)
(I) Alternative Fuels/Electric Vehicles					
(1a) Alternative Fuel Vehicle Purchases					
<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

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)
<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 Ecvt-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

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)
<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
Subcategory Totals and Average cost-effectiveness**:		\$4,851,211	\$695,029	12,269	\$56.65
(1b) Alternative Fuel Vehicle Conversions					
<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
Subcategory Totals and Average cost-effectiveness**:		\$76,500	\$8,175	1,202	\$6.80
(1d) Electric Vehicle Purchases					
<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

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)	
<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	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$647,531	\$77,083	1,941	\$39.70
		Category Summary	\$5,575,242	\$780,287	15,412	\$50.63
(3) Land Use						
(3c) Facilities (Pedestrian, mixed use, etc.)						
<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	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$58,188	\$3,911	2,179	\$1.79
		Category Summary	\$58,188	\$3,911	2,179	\$1.79
(4) Public Transportation (Transit & Rail)						
(4c) Transit Operations (new service, shuttles, fuel subsidies)						
<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	

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)
Subcategory Totals and Average cost-effectiveness**:	Subcategory Summary	\$635,953	\$655,031	1,700	\$385.35
(4d) Passenger Fare Subsidies					
<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
Subcategory Totals and Average cost-effectiveness**:	Subcategory Summary	\$267,505	\$275,531	12,274	\$22.45
	Category Summary	\$903,458	\$930,562	13,974	\$66.59
(5) Traffic Management					
(5b) Traffic Flow or Signalization (timing, surveillance)					
<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 (10009)	\$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	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$1,290,383	\$334,600	17,691	\$18.91
(5c) Alternate Mode Signalization (transit/bike pre-emption)						
<i>San Juan Capistrano</i>	Countdown Pedestrian Signals Project	\$51,042	\$52,573	1,831	\$28.71	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$51,042	\$52,573	1,831	\$28.71
		Category Summary	\$1,341,425	\$387,174	19,522	\$19.83
(6) Transportation Demand Management						
(6a) Employer-Based Trip Reduction						
<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	

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)
<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

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)
<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
Subcategory Totals and Average cost-effectiveness**:	Subcategory Summary	\$3,200,759	\$3,296,782	105,476	\$31.26
(6b) Other Trip Reduction Incentive Programs					
<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
Subcategory Totals and Average cost-effectiveness**:	Subcategory Summary	\$25,268	\$26,026	875	\$29.75

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)	
(6c) Vanpool Programs						
<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	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$382,580	\$394,057	4,569	\$86.25
		Category Summary	\$3,608,607	\$3,716,865	110,920	\$33.51
(8) Bicycles						
(8a) Bicycle Lanes and Trails (also bridges)						
<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	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$368,176	\$75,329	926	\$81.38
(8c) Bicycle Usage (electric bikes, purchases, loaner projects)						
<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	

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

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)	
(10) Public Education						
(10a) Short Term PE (promote transit, rideshare; conferences)						
<i>Santa Clarita</i>	Bike to Work	\$2,586	\$2,663	63	\$42.29	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$2,586	\$2,663	63	\$42.29
		Category Summary	\$2,586	\$2,663	63	\$42.29
(11) Miscellaneous Projects						
(11a) Miscellaneous (use with "Miscellaneous Projects" Category)						
<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	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$364,264	\$375,192	19,340	\$19.40
		Category Summary	\$364,264	\$375,192	19,340	\$19.40
		Program Summary	\$13,117,895	\$6,765,548	195,321	\$34.64

*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
(1) Alternative Fuels/Electric Vehicles					
<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
(3) Land Use					
<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
(4) Public Transportation (Transit & Rail)					
<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
(5) Traffic Management					
<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
(6) Transportation Demand Management					
<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
(8) Bicycles					
<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+NO _x +PM _{2.5}		ROG+NO _x +PM _{2.5} +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
(9) PM Reduction Strategies					
<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
(10) Public Education					
<i>Santa Clarita</i>	Bike to Work	\$67.62	\$67.62	\$42.29	\$42.29
(11) Miscellaneous Projects					
<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

Motor Vehicle Fees	\$13,117,895
Air Funds (MV Fees+ MSRC + Moyer)	\$13,663,273
Amortized Air Funds	\$6,765,548
Emission Reductions (lbs per year) (ROG + NO _x + PM2.5 + CO/7)	195,321
Average Cost-Effectiveness (dollars per lb)	\$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 + NO_x + PM2.5 + CO/7.