

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Annual Report on AB 2766 Funds from Motor Vehicle Registration Fees for FY 2016-17

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Other Information Available on SCAQMD'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 2016-17, 162 local governments in the South Coast Air District were eligible to receive AB 2766 Subvention Funds. In summary, these jurisdictions were subvended \$22.6 million to implement projects that reduce mobile source emissions. From their AB 2766 fund balances, local governments spent \$17.7 million. The two highest spending categories were Alternative Fuels/Electric Vehicles and Transportation Demand Management, which claimed a combined total of 53% of the \$17.7 million program expenditures. The two project categories yielding the highest portion of emission reductions for this fiscal reporting cycle were Traffic Management and Transportation Demand Management. In total, local governments implemented 359 projects of which 220 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 subvended to the South Coast Air Quality Management District (SCAQMD) 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 SCAQMD 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 SCAQMD 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 SCAQMD'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 2016-17.

AB 2766 fees are collected by the DMV and subvended to the SCAQMD on a monthly basis. The SCAQMD Finance Division disburses the AB 2766 revenues to local governments quarterly. During FY 2016-17, 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 SCAQMD 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 SCAQMD identifying the revenues received, project expenditures, emissions reduced, and cost-effectiveness of each project implemented during the preceding fiscal reporting cycle.

SCAQMD 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, SCAQMD 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, 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. 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 SCAQMD that the program tools are available. As the implementing agency, SCAQMD 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, which resulted in a postponement in information necessary for report completion, FY 2016-17 report submittals from fund recipients were delayed, resulting in an abbreviated period of data collection and review by SCAQMD staff. Toward the goal of enhancing program efficiency and timeliness, recent collaboration between SCAQMD and CARB may result in an agreement for SCAQMD to directly manage the program resources necessary for local government reporting. While discussions are ongoing, the District looks forward to continuing collaborative efforts to streamline the subvention fund reporting process and more closely align project implementation with AQMP emission reduction strategies.

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

III. PROGRAM GUIDANCE

Purpose

As directed by the Governing Board in 1998, the SCAQMD'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 SCAQMD, 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

SCAQMD 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. SCAQMD 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 twelve (12) AB 2766 technical training sessions and open office hours during the months of July and August, 2018, at which 91 local government representatives attended. 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 SCAQMD. 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 their 2017 Local Government Partnership Program's reserved funds available to eligible jurisdictions. Throughout the year, AB 2766 staff worked closely with Legislative, Public Affairs and Media (LPAM) staff to coordinate outreach efforts related to the new funding opportunity.

As specialists in administration of subvention funds, AB 2766 staff were uniquely positioned to help jurisdictions plan projects that would maximize subvention fund leveraging with the resources made available by the MSRC. Extensive coordination among District staff for fund recipient outreach helped raise awareness and increase the number of applications submitted to the Local Government Partnership Program. Concerted efforts by the staff of AB 2766, LPAM, and MSRC helped achieve a 67% participation rate of eligible jurisdiction applications.

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 SCAQMD. 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 SCAQMD'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 SCAQMD staff and participating local jurisdictions.

On an on-going basis, SCAQMD 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, SCAQMD 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.

SCAQMD staff has received and evaluated the FY 2016-17 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 SCAQMD, including descriptions of AB 2766 projects along with funding amounts. COG summary reports should align with local jurisdiction reporting to SCAQMD. 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	\$205,213	Regional PM Street Sweeping Program using alternative fuel equipment to sweep approximately 23,140 curb miles to remove roadway dust.
Western Riverside	\$94,150	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	\$65,597	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 burning diesel engines. Installation of particulate trap retrofits for diesel engines; retirement and replacement of dirty off-road engines with newer, cleaner diesel engines. Participation in a certified Old 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.

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 SCAQMD 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 2016-17 is provided in Table 2. 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. Local governments spent less subvention funds on mobile source emission reduction projects (\$17.7 million) than the amount received (\$22.6 million). They spent 23.4% of their combined beginning balance and MV fees received (\$75.3 million), which is a decrease from what occurred in FY 2015-16, when cities and counties spent 28.2% of the total beginning balances and MV fees received (\$67.8 million). However, cities pre-designated a larger amount of funds than in prior years which indicates an awareness of the need to accumulate funds in the 2016-17 fiscal year for future program and technology investments.

Table 2 shows that of the \$57.6 million ending balance reported by local governments, approximately \$49.3 million, or 85% of the ending balance was pre-designated for future projects. This indicates an increase to what occurred in FY 2015-16, when only 70% of the region-wide ending balance was pre-designated for future projects, and is a continued increase compared to FY 2014-15 when 66% of the remaining funds were pre-designated. With emphasis from SCAQMD'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 ¹ Balance	Pre-designated Funds	Funds Remaining
Los Angeles	\$28,113,369	\$13,048,612	\$10,110,095	\$31,056,974	\$27,654,669	\$3,402,305
Orange	\$13,078,952	\$4,257,916	\$3,412,138	\$13,938,257	\$11,009,879	\$2,928,378
Riverside	\$5,287,799	\$3,039,305	\$2,391,932	\$5,953,510	\$4,692,660	\$1,260,850
San Bernardino	\$6,243,199	\$2,219,946	\$1,741,348	\$6,681,087	\$5,913,208	\$767,879
Totals*	\$52,723,319	\$22,565,779	\$17,655,513	\$57,629,828	\$49,270,416	\$8,359,412

*Totals may vary due to rounding.

Table 3 shows the funding, project expenditure levels, and funds pre-designated by local governments over the last five fiscal year reporting cycles. AB 2766 funding subvended to local governments has increased, from \$22.1 million (FY 2015-16) to \$22.6 million, for this reporting cycle, but while local governments spent a lower percentage (78% or \$17.6 million) of the funds received on AB 2766 projects compared to the prior reporting cycle (87% or \$19.2 million), their pre-designation of funds for planning purposes significantly increased, as mentioned on the previous page.

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
2012-13	\$41,152,100	\$20,095,200	\$18,556,900	\$42,562,000	\$30,785,600	\$11,776,400
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

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.

2016-17	\$52,723,319	\$22,565,779	\$17,655,513	\$57,629,828	\$49,270,416	\$8,359,412
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Table 4 identifies, by county, the number of projects funded by local governments and of those, the number and percentages of projects with quantified emission reductions achieved during FY 2016-17. 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 (175). Orange County had the second highest number of projects funded (90), followed by Riverside County (59) and San Bernardino (35). For this reporting cycle, Los Angeles County has yielded the highest percentage (62%) of quantified projects.

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	175	108	62%
Orange	35	90	56	62%
Riverside	28	59	35	59%
San Bernardino	17	35	21	60%
Totals	162	359	220	61%

Table 5 shows 220 projects with emission reductions quantified, which is a decrease from the 261 projects quantified in FY 2015-16. Overall, the total number of projects funded by local governments over the last five fiscal reporting cycles has resulted in project quantifications above 60%. 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 2012-13	319	203	64%	71%
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%

Data in Table 6 shows the FY 2016-17 expenditures made in ten 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. Table 6 shows FY 2016-17 expenditures by category, 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 52% or about \$9.2 million of the \$17.7 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
(1) Alternative Fuels/Electric Vehicles	\$5,238,818	30%	99
(6) Transportation Demand Management	\$3,980,332	23%	65
(5) Traffic Management	\$2,825,101	16%	52
(11) Miscellaneous Projects	\$1,264,304	7%	42
(8) Bicycles	\$1,243,799	7%	25
(4) Public Transportation (Transit & Rail)	\$1,234,748	7%	30
(9) PM Reduction Strategies	\$1,001,014	6%	19
(3) Land Use	\$528,240	3%	16
(10) Public Education	\$303,867	2%	9
(2) Vehicle Emissions Abatement	\$35,292	0%	2
Totals*	\$17,655,513	100%	359

* 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, \$10.1 million, and also achieved the majority of annual emission reductions, 73 tons. During FY 2016-17, a total of 134 tons of emissions were reduced in the SCAB by projects funded with AB 2766 Subvention money and the dramatic change in emissions reduced compared to the prior fiscal year is largely attributable to a change in CARB methodology for signal synchronization projects explained in the Table 8 section below.

Table 7
AB 2766 Project Spending and Emissions Reduced

County	Number of Projects Funded	Project Spending	Emissions Reduced² (Tons/Year)
Los Angeles	175	\$10,110,095	73
Orange	90	\$3,412,138	32
Riverside	59	\$2,391,932	24
San Bernardino	35	\$1,741,348	5
Totals*	359	\$17,655,513	134

* Totals may vary due to rounding.

Table 8 provides emission reduction and cost-effectiveness information for AB 2766 project categories. In this reporting cycle, the Transportation Demand Management project category represents the majority of emissions reduced. 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, and accounts for 57% of all emissions reduced in this reporting cycle. Noteworthy of mention is the 97% decrease in tons per year of pollutants reduced by subvention fund projects (from 6,190 in the previous cycle to 134 in the current). This anomaly is mostly attributable to the change in emission reduction calculation methodology for a Traffic Management project described below. To a lesser extent, the decrease is also attributable to this project cycle's reported decline in overall project spending and the steady decrease in emissions from vehicle fleets in the State of California.

In 2018, 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. To more accurately measure the estimated emission reductions from ATSAC system operations, the city of Los Angeles and District staff

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.

collaborated to develop a new approach that minimizes assumptions and utilizes current data that better reflects vehicle emissions and traffic conditions in Los Angeles. It also reflects the emission reductions achieved by the fleet of cleaner vehicles in use in the South Coast Air Basin. The updated methodology more accurately reflects ATSAC's emission reductions. In this project cycle, use of the new methodology reflects a decline in reductions and cost-effectiveness. Again, District staff believes that the updated methodology better reflects real-time traffic conditions and will better guide policy and project decision-making in future fiscal years.

The cost-effectiveness of all project categories, as shown in Table 8, range from \$8.41 - \$204.91 per pound of emissions reduced. The overall total average cost-effectiveness was computed as \$25.37 per pound of emissions reduced. The decrease in cost-effectiveness per pound is primarily attributable to the change in signal synchronization emissions calculation methodology approved for the City of Los Angeles ATSAC project. A number of factors, such as funding amount, project life, project design, as well as reductions in trips and vehicle miles, impact how cost-effective one project is compared to another and determines the final project category cost-effectiveness as shown in this table. For example, in addition to ASTAC methodology changes, cleaner vehicle purchases were made by recipient jurisdictions at the end of the fiscal year, reporting low mileage but full vehicle purchase costs, skewing cost-effectiveness.

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

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.

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.)	Emissions Reduced⁴ (tons/yr.)	Air Funds Cost-Effectiveness⁵ (\$/lb.)
Transportation Demand Management	65	60	92%	151,018	76	\$23.21
Traffic Management	52	22	42%	37,975	19	\$8.41
Miscellaneous Projects⁶	42	10	24%	25,251	13	\$23.01
Alternative Fuels/Electric Vehicles	99	68	69%	20,351	10	\$34.54
Public Transportation	30	26	87%	17,974	9	\$51.08
PM Reduction Strategies	19	18	95%	14,604	7	\$43.56
Bicycles	25	14	56%	620	-0-	\$204.91
Vehicle Emission Abatement	2	2	100%	22	-0-	\$185.56
Land Use	16	-0-	0%	-0-	-0-	\$0
Public Education	9	-0-	0%	-0-	-0-	\$0
TOTALS*	359	220	61%	267,815	134	\$25.37

*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 134 tons of emission reductions achieved during this reporting cycle represents a major decrease from the 6,190 tons reduced during FY 2015-16, as described in the prior narrative. The average cost-effectiveness of projects funded during FY 2016-17 was approximately \$25.37 per pound of emissions reduced. The average cost-effectiveness figure is determined by dividing the Amortized Air Fund dollar amount (\$6.9 million), which is associated with quantified projects, by the total amount of emission reductions (268,815 lbs./yr.). Table 9 illustrates the progress that has been made since FY 2012-13 in reducing mobile source emissions. Emissions calculations are based on the most recently approved emission factors. As vehicles become cleaner and emission factors decrease from year to year, more cost-effective projects are required to maintain the same level of emission reductions.

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.

6 The “Miscellaneous Project” category represents quantified and non-quantified projects that were not classified under the major program categories (i.e., payment of funds to Council of Governments to support and finance inter-jurisdictional air quality projects that aim to reduce emissions from motor vehicles, as summarized in Table 1). It also provides local jurisdictions the opportunity to utilize a CARB approved emission reduction calculation by using specific local inputs.

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 2012-13	11,901,177	5,961	\$0.75	\$1,531
FY 2013-14	10,926,821	5,463	\$0.85	\$1,748
FY 2014-15	12,396,710	6,198	\$0.66	\$1,352
FY 2015-16	12,380,133	6,190	\$0.76	\$1,524
FY 2016-17	267,815	134	\$25.37	\$51,580

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

**In current 2017 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 \$7 million. This amount represents 39.42% of the \$17.7 million MV fees spent on mobile source projects during FY 2016-17.

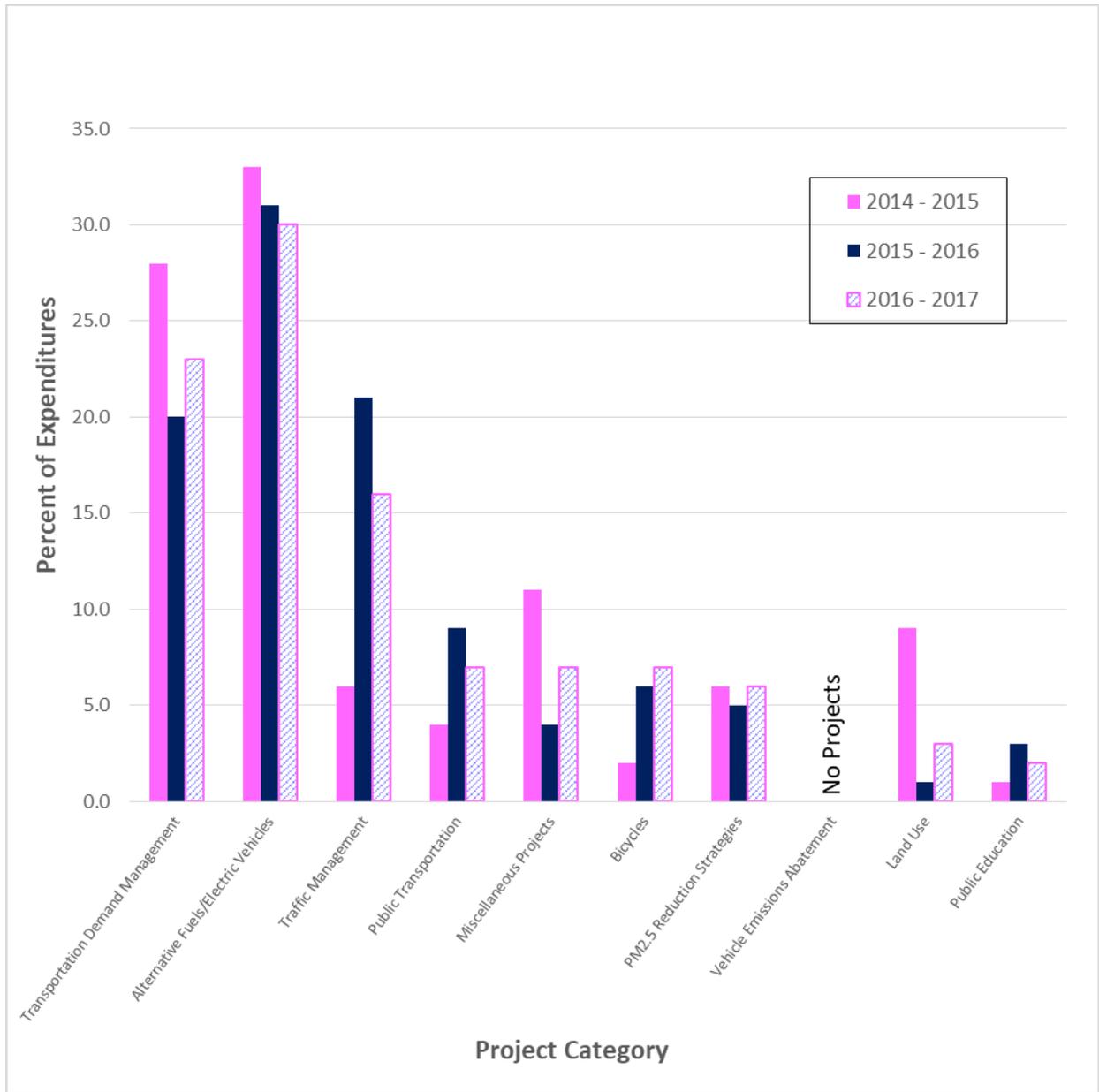
Table 10
Project Subcategories with Highest Funding Allocations

Project Category (# of Projects)	Project Subcategory (# of Projects)	Project Subcategory Expenditures	Percent of Project Category Expenditures*
Alternative Fuels/Electric Vehicles (99)	Alternative Fuel Vehicle Purchases (48)	\$3,132,901	60%
Transportation Demand Management (65)	Employer Based Trip Reduction (51)	\$2,907,404	73%
Traffic Management (52)	Traffic Flow or Signalization (42)	\$1,993,322	71%
Misc. Projects (41)	Misc. Projects (41)	\$1,264,304	100%
PM Reduction Strategies (19)	Road Dust Control (19)	\$1,001,014	100%
Bicycles (35)	Bicycle Lanes & Trails (12)	\$992,577	80%
Public Transportation (30)	Transit Operations (11)	\$483,104	39%
Land Use (16)	Plan Elements (12)	\$408,172	77%
Public Education (9)	Short Term PE (promote transit, rideshare) (8)	\$303,567	99%
Vehicle Emissions Abatement (2)	On-road CARB-verified Diesel Emission Control Systems (2)	\$35,292	100%

*Project Category Expenditures shown in Table 6.

Figure 1 depicts a comparison, by percentage, of the expenditures made in all project categories during FYs 2014-15, 2015-16 and 2016-17.

Figure 1
Project Expenditure Comparisons



V. PROGRAM OUTREACH

The following information summarizes future program outreach goals to be accomplished by SCAQMD 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.

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.

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, modifications and/or enhancements;
 - 2) Provide information regarding legal constraints of AB 2766 spending;
 - 3) Provide technical hands-on assistance with calculating, tracking and reporting on projects that will yield quantifiable emission reductions;
 - 4) Provide a list of eligible, preferred projects;
 - 5) Explain and discuss the importance of pre-designating funds;
 - 6) Provide training on the automated reporting and submittal processes; and
 - 7) Respond to general questions about the AB 2766 Program.
- 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.

CARB Collaboration

- Manage and update the existing Microsoft Access reporting file annually, as necessary, for the purpose of South Coast Air District fund recipients' reporting of their fund expenditures, project implementation, emissions 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 2016-17)

Eligible Cities and Counties (FY 2016-17)

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 2016-17 AB 2766 Subvention Fund Program Reports

South Coast Cities and Counties Financial Summary of Motor Vehicle Funds

Fiscal Year 2016 - 2017

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
<i>Los Angeles Co</i>									
	Agoura Hills	\$26,625	\$27,086	\$196	\$53,907	\$4,415	\$0	\$49,492	\$40,000
	Alhambra	\$258,968	\$110,898	\$2,952	\$372,818	\$68,514	\$4,737	\$299,567	\$225,000
	Arcadia	\$206,116	\$72,853	\$329	\$279,298	\$148,735	\$0	\$130,563	\$100,000
	Artesia	\$39,978	\$21,560	\$555	\$62,092	\$17,397	\$0	\$44,695	\$44,695
	Azusa	\$144,433	\$93,192	\$856	\$238,481	\$87,298	\$0	\$151,183	\$113,000
	Baldwin Park	\$606,771	\$95,440	\$1,401	\$703,612	\$129,823	\$2,500	\$571,289	\$376,000
	Bell	\$80,170	\$46,886	\$293	\$127,349	\$0	\$0	\$127,349	\$101,793
	Bell Gardens	\$182,348	\$69,145	\$1,042	\$252,535	\$22,617	\$0	\$229,918	\$223,000
	Bellflower	\$208,819	\$97,515	\$2,499	\$308,833	\$0	\$0	\$308,833	\$299,598
	Beverly Hills	\$385,359	\$44,392	\$3,996	\$433,747	\$12,490	\$0	\$421,257	\$421,257
	Burbank	\$271,857	\$134,784	\$293	\$406,934	\$64,448	\$0	\$342,486	\$321,198
	Calabasas	\$97,195	\$26,177	\$527	\$123,899	\$26,177	\$0	\$97,722	\$97,195
	Carson	\$267,339	\$121,018	\$6,908	\$395,265	\$29,015	\$3,000	\$363,250	\$325,000
	Cerritos	\$422,540	\$65,045	\$4,423	\$492,008	\$24,128	\$4,065	\$463,816	\$463,815
	Claremont	\$106,782	\$46,250	\$1,042	\$154,074	\$3,610	\$0	\$150,464	\$103,000
	Commerce	\$0	\$16,763	\$69	\$16,832	\$16,763	\$0	\$69	\$0
	Compton	\$319,834	\$133,978	\$0	\$453,812	\$66,656	\$8,374	\$378,782	\$300,000
	County of LA	\$2,825,474	\$1,619,606	\$30,126	\$4,475,206	\$680,485	\$0	\$3,794,721	\$3,750,000
	Covina	\$109,153	\$62,944	\$1,020	\$173,117	\$1,046	\$2,270	\$169,801	\$169,801
	Cudahy	\$48,273	\$39,720	\$337	\$88,330	\$16,550	\$680	\$71,100	\$71,100
	Culver City	\$248,036	\$51,652	\$430	\$300,118	\$110,000	\$0	\$190,118	\$150,000
	Diamond Bar	\$267,984	\$72,892	\$2,891	\$343,767	\$159,694	\$0	\$184,074	\$184,000
	Downey	\$577,635	\$145,809	\$1,580	\$725,024	\$286,741	\$6,800	\$431,483	\$350,000
	Duarte	\$60,213	\$28,708	\$389	\$89,310	\$0	\$0	\$89,310	\$35,000
	El Monte	\$81,883	\$145,431	\$477	\$227,791	\$91,718	\$0	\$136,073	\$136,073
	El Segundo	\$36,220	\$35,925	\$295	\$72,440	\$0	\$0	\$72,440	\$72,440
	Gardena	\$231,962	\$77,622	\$2,142	\$311,727	\$69,060	\$3,500	\$239,167	\$225,000
	Glendale	\$438,676	\$257,529	\$2,196	\$698,401	\$187,228	\$0	\$511,173	\$350,000

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
	Glendora	\$50,040	\$66,866	\$239	\$117,145	\$14,411	\$4,200	\$98,534	\$75,000
	Hawaiian Gardens	\$148,891	\$19,071	\$469	\$168,431	\$6,500	\$0	\$161,931	\$161,931
	Hawthorne	\$215,938	\$112,379	\$403	\$328,720	\$102,630	\$1,346	\$224,744	\$224,744
	Hermosa Beach	\$59,960	\$25,286	(\$73)	\$85,172	\$6,525	\$0	\$78,647	\$78,647
	Hidden Hills	\$50,999	\$2,433	\$705	\$54,137	\$0	\$0	\$54,137	\$42,500
	Huntington Park	\$449,440	\$76,260	\$2,158	\$527,858	\$379,554	\$40	\$148,264	\$105,800
	Inglewood	\$199,346	\$148,959	\$2,144	\$350,449	\$12,209	\$6,000	\$332,240	\$332,240
	Irwindale	\$1,839	\$1,807	\$0	\$3,646	\$3,523	\$0	\$123	\$0
	La Canada Flintridge	\$226,275	\$26,250	\$3,400	\$255,925	\$38,782	\$0	\$217,143	\$138,800
	La Habra Heights	\$5,662	\$10,118	\$33	\$15,813	\$0	\$0	\$15,813	\$0
	La Mirada	\$408,487	\$63,389	\$3,357	\$475,233	\$144,889	\$0	\$330,344	\$250,000
	La Puente	\$155,881	\$51,745	\$1,938	\$209,564	\$53,221	\$0	\$156,343	\$117,000
	La Verne	\$440,804	\$42,396	\$2,992	\$486,192	\$77,205	\$1,827	\$407,160	\$407,160
	Lakewood	\$172,427	\$100,207	\$8,241	\$280,875	\$31,989	\$0	\$248,886	\$248,886
	Lawndale	\$75,273	\$42,774	\$352	\$118,399	\$30,000	\$0	\$88,399	\$85,000
	Lomita	\$67,092	\$26,281	\$188	\$93,561	\$40,877	\$0	\$52,684	\$52,684
	Long Beach	\$3,856,445	\$623,623	\$27,098	\$4,507,166	\$713,000	\$30,000	\$3,764,166	\$3,000,000
	Los Angeles (City)	\$4,637,292	\$5,147,445	\$56,789	\$9,841,526	\$3,931,068	\$94,048	\$5,816,410	\$5,700,414
	Lynwood	\$316,230	\$69,055	\$1,237	\$386,522	\$200,229	\$0	\$186,293	\$147,779
	Malibu	\$44,505	\$16,225	\$365	\$61,095	\$0	\$0	\$61,095	\$61,095
	Manhattan Beach	\$72,841	\$67,559	(\$258)	\$140,142	\$11,880	\$2,100	\$126,162	\$110,000
	Maywood	\$148,350	\$37,303	\$0	\$185,653	\$131,246	\$0	\$54,406	\$54,406
	Monrovia	\$341,307	\$47,927	\$3,620	\$392,854	\$13,332	\$2,875	\$376,647	\$255,981
	Montebello	\$489,590	\$81,631	\$3,707	\$574,928	\$30,446	\$0	\$544,482	\$500,000
	Monterey Park	\$234,417	\$79,659	\$1,781	\$315,857	\$96,200	\$0	\$219,657	\$184,700
	Norwalk	\$82,840	\$134,457	\$118	\$217,415	\$116,228	\$0	\$101,187	\$87,564
	Palos Verdes Estates	\$92,428	\$17,757	\$988	\$111,173	\$0	\$0	\$111,173	\$111,000
	Paramount	\$197,957	\$72,023	\$1,370	\$271,350	\$0	\$3,600	\$267,750	\$267,750
	Pasadena	\$99,802	\$180,086	\$1,241	\$281,128	\$151,630	\$0	\$129,498	\$99,802
	Pico Rivera	\$280,577	\$82,075	\$4,179	\$366,831	\$26,010	\$4,000	\$336,821	\$226,600
	Pomona	\$660,869	\$198,706	\$4,674	\$864,249	\$77,730	\$10,586	\$775,933	\$582,000

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
	Rancho Palos Verdes	\$84,315	\$54,963	\$613	\$139,891	\$77,671	\$0	\$62,220	\$50,000
	Redondo Beach	\$163,839	\$88,743	\$441	\$253,023	\$59,854	\$4,243	\$188,926	\$163,839
	Rolling Hills Estates	\$64,186	\$10,252	\$283	\$74,721	\$0	\$0	\$74,721	\$74,721
	Rosemead	\$143,767	\$71,163	\$149	\$215,079	\$0	\$0	\$215,079	\$215,080
	San Dimas	\$163,957	\$43,602	\$1,310	\$208,869	\$0	\$2,180	\$206,689	\$154,000
	San Fernando	\$195,651	\$31,329	\$264	\$227,243	\$96,170	\$0	\$131,073	\$131,073
	San Gabriel	\$111,674	\$52,621	\$1,127	\$165,422	\$0	\$0	\$165,422	\$152,784
	San Marino	\$39,918	\$17,324	\$204	\$57,446	\$0	\$0	\$57,446	\$57,446
	Santa Clarita	\$717,331	\$280,442	\$2,994	\$1,000,767	\$407,658	\$3,902	\$589,207	\$589,207
	Santa Fe Springs	\$82,881	\$23,572	\$807	\$107,260	\$0	\$0	\$107,260	\$107,260
	Santa Monica	\$684,215	\$119,577	\$6,151	\$809,943	\$142,330	\$7,010	\$660,603	\$581,000
	Sierra Madre	\$108,131	\$14,064	\$593	\$122,788	\$0	\$0	\$122,788	\$95,200
	Signal Hill	\$154,101	\$14,906	\$570	\$169,578	\$1,000	\$0	\$168,578	\$130,000
	South El Monte	\$96,533	\$26,579	\$152	\$123,264	\$88,864	\$0	\$34,400	\$20,000
	South Gate	\$377,468	\$151,765	\$444	\$529,677	\$32,205	\$6,000	\$491,472	\$451,911
	South Pasadena	\$139,972	\$32,726	\$1,945	\$174,642	\$40,231	\$0	\$134,411	\$105,000
	Temple City	\$169,424	\$46,654	\$380	\$216,458	\$20,020	\$0	\$196,438	\$145,000
	Torrance	\$266,901	\$189,515	\$2,899	\$459,315	\$152,579	\$0	\$306,736	\$266,901
	Walnut	\$29,596	\$38,504	(\$12)	\$68,087	\$58,953	\$0	\$9,134	\$9,134
	West Covina	\$605,385	\$137,753	\$3,721	\$746,860	\$77,112	\$5,301	\$664,447	\$477,548
	West Hollywood	\$138,025	\$46,470	\$493	\$184,988	\$51,309	\$0	\$133,679	\$100,000
	Westlake Village	\$84,599	\$10,706	\$523	\$95,828	\$2,469	\$0	\$93,359	\$84,500
	Whittier	\$657,053	\$112,811	\$6,724	\$776,588	\$35,749	\$5,222	\$735,617	\$735,617
	County Total:	\$28,113,369	\$13,048,612	\$235,493	\$41,397,475	\$10,110,095	\$230,406	\$31,056,974	\$27,654,669

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
Orange Co.									
	Aliso Viejo	\$845,252	\$98,214	\$5,086	\$948,552	\$108,822	\$0	\$839,730	\$650,000
	Anaheim	\$102,379	\$457,338	\$338	\$560,055	\$490,192	\$3,424	\$66,438	\$60,000
	Brea	\$217,815	\$55,817	(\$445)	\$273,187	\$38,562	\$0	\$234,625	\$217,815
	Buena Park	\$389,360	\$106,434	\$2,622	\$498,416	\$791	\$0	\$497,625	\$377,000
	Costa Mesa	\$151,386	\$146,347	\$1,725	\$299,458	\$34,561	\$555	\$264,341	\$264,341
	County of Orange	\$830,357	\$165,678	\$9,906	\$1,005,941	\$420,002	\$3,034	\$582,905	\$460,000
	Cypress	\$456,695	\$63,522	\$3,792	\$524,009	\$0	\$0	\$524,009	\$456,695
	Dana Point	\$359,353	\$42,671	\$3,595	\$405,619	\$0	\$0	\$405,619	\$344,818
	Fountain Valley	\$453,676	\$74,663	\$3,041	\$531,380	\$69,150	\$2,212	\$460,018	\$388,700
	Fullerton	\$359,359	\$211,917	\$178	\$571,454	\$88,423	\$3,748	\$479,283	\$473,161
	Garden Grove	\$378,691	\$226,415	\$2,074	\$607,180	\$171,541	\$7,613	\$428,026	\$321,000
	Huntington Beach	\$815,585	\$249,840	\$2,771	\$1,068,196	\$55,446	\$526	\$1,012,224	\$800,000
	Irvine	\$885,324	\$329,958	\$8	\$1,215,290	\$580,272	\$7,112	\$627,906	\$627,906
	La Habra	\$53,164	\$79,255	\$29	\$134,789	\$89,452	\$0	\$42,996	\$40,000
	La Palma	\$92,888	\$20,505	\$286	\$113,679	\$0	\$0	\$113,679	\$92,888
	Laguna Beach	\$8,304	\$30,159	\$213	\$38,676	\$28,510	\$0	\$10,166	\$0
	Laguna Hills	\$70,442	\$39,180	\$678	\$110,300	\$0	\$0	\$110,300	\$70,747
	Laguna Niguel	\$400,600	\$84,463	\$1,404	\$486,467	\$17,171	\$0	\$469,296	\$469,296
	Laguna Woods	\$114,524	\$20,704	\$824	\$136,052	\$0	\$0	\$136,052	\$62,500
	Lake Forest	\$454,230	\$107,153	\$3,774	\$565,157	\$67,477	\$0	\$497,680	\$416,480
	Los Alamitos	\$50,926	\$14,989	\$480	\$66,396	\$0	\$0	\$66,396	\$66,395
	Mission Viejo	\$272,519	\$127,165	\$2,358	\$402,042	\$146,515	\$6,988	\$248,539	\$240,000
	Newport Beach	\$986,409	\$110,109	\$2,292	\$1,098,810	\$45,639	\$0	\$1,053,171	\$250,400
	Orange (City)	\$159,035	\$180,593	\$375	\$340,003	\$136,833	\$5,329	\$197,841	\$144,000
	Placentia	\$203,946	\$66,739	\$1,502	\$272,187	\$54,371	\$0	\$217,816	\$217,817
	Rancho Santa Margarita	\$132,503	\$61,955	\$1,035	\$195,493	\$25,444	\$0	\$170,049	\$147,000
	San Clemente	\$440,635	\$84,595	(\$113)	\$525,117	\$232,918	\$0	\$292,199	\$292,198
	San Juan Capistrano	\$454,734	\$46,080	\$966	\$501,781	\$66,888	\$0	\$434,893	\$326,000
	Santa Ana	\$1,037,582	\$552,628	\$8,353	\$1,598,563	\$186,676	\$6,287	\$1,405,600	\$1,037,582
	Seal Beach	\$0	\$32,585	\$31	\$32,616	\$32,585	\$0	\$31	\$0

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
	Stanton	\$166,123	\$50,762	\$940	\$217,825	\$77,438	\$2,100	\$138,287	\$110,000
	Tustin	\$297,537	\$105,629	\$647	\$403,813	\$0	\$172	\$403,641	\$403,641
	Villa Park	\$34,094	\$7,351	\$133	\$41,578	\$0	\$441	\$41,137	\$39,499
	Westminster	\$480,057	\$120,131	\$3,091	\$603,279	\$127,318	\$7,508	\$468,453	\$394,000
	Yorba Linda	\$923,467	\$86,372	\$6,587	\$1,016,426	\$19,141	\$0	\$997,285	\$748,000
	County Total:	\$13,078,952	\$4,257,916	\$70,577	\$17,407,444	\$3,412,138	\$57,050	\$13,938,257	\$11,009,879
Riverside Co.									
	Banning	\$45,340	\$39,374	\$42	\$84,756	\$0	\$0	\$84,756	\$80,000
	Beaumont	\$228,694	\$57,615	\$19,488	\$3	\$0	\$900	\$304,897	\$250,000
	Calimesa	\$48,520	\$10,585	\$253	\$59,358	\$21,550	\$555	\$37,253	\$37,253
	Canyon Lake	\$100,644	\$13,640	\$273	\$114,557	\$0	\$0	\$114,557	\$114,011
	Cathedral City	\$65,339	\$67,213	\$2,226	\$134,778	\$51,968	\$0	\$82,809	\$82,809
	Coachella	\$26,102	\$68,360	\$2,690	\$97,152	\$79,377	\$0	\$17,775	\$17,775
	Corona	\$765,431	\$210,269	\$5,075	\$980,775	\$29,345	\$985	\$950,445	\$750,000
	County of Riverside	\$157,970	\$479,531	\$682	\$638,183	\$557,689	\$0	\$80,493	\$75,000
	Desert Hot Springs	\$20,473	\$37,094	\$0	\$57,567	\$27,821	\$0	\$29,747	\$10,000
	Eastvale	\$144,364	\$80,658	\$1,404	\$226,425	\$8,317	\$5,041	\$213,067	\$170,000
	Hemet	\$355,396	\$130,391	\$8,341	\$494,128	\$69,442	\$5,000	\$419,686	\$355,396
	Indian Wells	\$5,515	\$5,342	\$33	\$10,890	\$4,932	\$0	\$5,958	\$5,000
	Indio	\$120,787	\$112,450	\$842	\$234,079	\$87,125	\$0	\$146,954	\$115,000
	Jurupa Valley	\$53,689	\$125,372	\$223	\$179,284	\$121,577	\$0	\$57,707	\$57,707
	La Quinta	\$166,245	\$51,050	\$824	\$218,119	\$38,288	\$0	\$179,831	\$166,245
	Lake Elsinore	\$244,245	\$77,904	\$444	\$322,593	\$92,052	\$3,895	\$226,646	\$226,646
	Menifee	\$226,942	\$113,658	\$557	\$341,157	\$113,658	\$0	\$227,500	\$223,111
	Moreno Valley	\$146,958	\$262,273	\$1,752	\$410,983	\$180,642	\$9,103	\$221,238	\$175,000
	Murrieta	\$378,978	\$145,316	\$3,944	\$528,237	\$13,917	\$0	\$514,320	\$255,000
	Norco	\$127,165	\$34,346	\$610	\$162,121	\$49,907	\$1,500	\$110,714	\$101,000
	Palm Desert	\$103,940	\$63,001	\$603	\$167,544	\$53,306	\$0	\$114,238	\$59,511
	Palm Springs	\$17,406	\$59,577	\$814	\$77,797	\$44,683	\$3,724	\$29,390	\$23,000

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
Perris		\$297,810	\$94,143	\$108	\$392,061	\$110,308	\$0	\$281,752	\$0
Rancho Mirage		\$54,011	\$23,075	\$14	\$77,100	\$17,306	\$0	\$59,794	\$59,794
Riverside (City)		\$840,662	\$422,378	\$2,344	\$1,265,384	\$243,105	\$3,767	\$1,018,512	\$900,264
San Jacinto		\$242,834	\$60,856	\$1,868	\$305,558	\$114,050	\$1,176	\$190,332	\$150,000
Temecula		\$257,168	\$139,274	\$1,292	\$397,734	\$261,567	\$0	\$136,167	\$136,167
Wildomar		\$45,171	\$54,561	\$152	\$99,884	\$0	\$2,913	\$96,971	\$96,971
County Total:		\$5,287,799	\$3,039,305	\$56,898	\$8,384,002	\$2,391,932	\$38,559	\$5,953,510	\$4,692,660
San Bernardino Co.									
Big Bear Lake		\$47,863	\$8,031	\$286	\$56,180	\$0	\$0	\$56,180	\$56,180
Chino		\$523,575	\$109,737	\$4,593	\$637,905	\$6,074	\$0	\$631,831	\$550,000
Chino Hills		\$318,094	\$100,712	\$227	\$419,033	\$10,180	\$577	\$408,276	\$395,700
Colton		\$225,667	\$61,899	\$879	\$288,445	\$41,986	\$0	\$246,459	\$225,667
County of San Bernardino		\$219,716	\$310,282	\$5,180	\$535,179	\$221,048	\$19,393	\$294,738	\$294,738
Fontana		\$873,783	\$268,035	\$4,212	\$1,146,030	\$313,914	\$12,500	\$819,616	\$616,839
Grand Terrace		\$63,405	\$15,726	\$394	\$79,525	\$5,000	\$0	\$74,525	\$50,000
Highland		\$570,446	\$68,504	\$3,451	\$642,401	\$330,643	\$3,425	\$308,333	\$308,333
Loma Linda		\$63,454	\$31,474	\$407	\$95,335	\$46,310	\$1,574	\$47,451	\$47,400
Montclair		\$181,135	\$49,402	\$436	\$230,973	\$25,776	\$0	\$205,197	\$200,000
Ontario		\$1,056,948	\$216,922	\$5,071	\$1,278,941	\$178,480	\$13,558	\$1,086,904	\$1,056,948
Rancho Cucamonga		\$879,115	\$313,349	\$3,102	\$1,195,566	\$38,376	\$1,910	\$1,155,280	\$1,125,280
Redlands		\$471,896	\$87,306	\$1,611	\$560,812	\$140,000	\$0	\$420,813	\$229,950
Rialto		\$283,345	\$137,060	\$3,718	\$424,123	\$82,318	\$6,190	\$335,615	\$283,345
San Bernardino (City)		\$218,122	\$276,065	\$6,164	\$500,351	\$21,876	\$17,254	\$461,221	\$276,065
Upland		\$130,523	\$96,763	\$778	\$228,064	\$94,734	\$4,838	\$128,491	\$96,763
Yucaipa		\$116,113	\$68,679	\$0	\$184,792	\$184,633	\$0	\$159	\$100,000
County Total:		\$6,243,199	\$2,219,946	\$40,509	\$8,503,655	\$1,741,348	\$81,219	\$6,681,087	\$5,913,208
GRAND		\$52,723,319	\$22,565,779	\$403,477	\$75,692,575	\$17,655,513	\$407,234	\$57,629,828	\$49,270,416

Number of Local Governments: 162

Local Government Administrative Costs

Fiscal Year 2016 - 2017

Local Government	Administrative Costs	Motor Vehicle Revenues	Admin Costs as % of Revenues
Agoura Hills	\$0	\$27,086	0%
Alhambra	\$4,737	\$110,898	4%
Aliso Viejo	\$0	\$98,214	0%
Anaheim	\$3,424	\$457,338	1%
Arcadia	\$0	\$72,853	0%
Artesia	\$0	\$21,560	0%
Azusa	\$0	\$93,192	0%
Baldwin Park	\$2,500	\$95,440	3%
Banning	\$0	\$39,374	0%
Beaumont	\$900	\$57,615	2%
Bell	\$0	\$46,886	0%
Bell Gardens	\$0	\$69,145	0%
Bellflower	\$0	\$97,515	0%
Beverly Hills	\$0	\$44,392	0%
Big Bear Lake	\$0	\$8,031	0%
Brea	\$0	\$55,817	0%
Buena Park	\$0	\$106,434	0%
Burbank	\$0	\$134,784	0%
Calabasas	\$0	\$26,177	0%
Calimesa	\$555	\$10,585	5%
Canyon Lake	\$0	\$13,640	0%
Carson	\$3,000	\$121,018	2%
Cathedral City	\$0	\$67,213	0%
Cerritos	\$4,065	\$65,045	6%
Chino	\$0	\$109,737	0%
Chino Hills	\$577	\$100,712	1%
Claremont	\$0	\$46,250	0%
Coachella	\$0	\$68,360	0%
Colton	\$0	\$61,899	0%
Commerce	\$0	\$16,763	0%
Compton	\$8,374	\$133,978	6%
Corona	\$985	\$210,269	0%
Costa Mesa	\$555	\$146,347	0%
County of LA	\$0	\$1,619,606	0%
County of Orange	\$3,034	\$165,678	2%
County of Riverside	\$0	\$479,531	0%
County of San Bernardino	\$19,393	\$310,282	6%
Covina	\$2,270	\$62,944	4%
Cudahy	\$680	\$39,720	2%
Culver City	\$0	\$51,652	0%
Cypress	\$0	\$63,522	0%
Dana Point	\$0	\$42,671	0%
Desert Hot Springs	\$0	\$37,094	0%
Diamond Bar	\$0	\$72,892	0%
Downey	\$6,800	\$145,809	5%
Duarte	\$0	\$28,708	0%
Eastvale	\$5,041	\$80,658	6%
El Monte	\$0	\$145,431	0%
El Segundo	\$0	\$35,925	0%
Fontana	\$12,500	\$268,035	5%
Fountain Valley	\$2,212	\$74,663	3%
Fullerton	\$3,748	\$211,917	2%
Garden Grove	\$7,613	\$226,415	3%

Local Government	Administrative Costs	Motor Vehicle Revenues	Admin Costs as % of Revenues
Gardena	\$3,500	\$77,622	5%
Glendale	\$0	\$257,529	0%
Glendora	\$4,200	\$66,866	6%
Grand Terrace	\$0	\$15,726	0%
Hawaiian Gardens	\$0	\$19,071	0%
Hawthorne	\$1,346	\$112,379	1%
Hemet	\$5,000	\$130,391	4%
Hermosa Beach	\$0	\$25,286	0%
Hidden Hills	\$0	\$2,433	0%
Highland	\$3,425	\$68,504	5%
Huntington Beach	\$526	\$249,840	0%
Huntington Park	\$40	\$76,260	0%
Indian Wells	\$0	\$5,342	0%
Indio	\$0	\$112,450	0%
Inglewood	\$6,000	\$148,959	4%
Irvine	\$7,112	\$329,958	2%
Irwindale	\$0	\$1,807	0%
Jurupa Valley	\$0	\$125,372	0%
La Canada Flintridge	\$0	\$26,250	0%
La Habra	\$0	\$79,255	0%
La Habra Heights	\$0	\$10,118	0%
La Habra Heights	\$0	\$6,971	0%
La Mirada	\$0	\$63,389	0%
La Palma	\$0	\$20,505	0%
La Puente	\$0	\$51,745	0%
La Quinta	\$0	\$51,050	0%
La Verne	\$1,827	\$42,396	4%
Laguna Beach	\$0	\$30,159	0%
Laguna Hills	\$0	\$39,180	0%
Laguna Niguel	\$0	\$84,463	0%
Laguna Woods	\$0	\$20,704	0%
Lake Elsinore	\$3,895	\$77,904	5%
Lake Forest	\$0	\$107,153	0%
Lakewood	\$0	\$100,207	0%
Lawndale	\$0	\$42,774	0%
Loma Linda	\$1,574	\$31,474	5%
Lomita	\$0	\$26,281	0%
Long Beach	\$30,000	\$623,623	5%
Los Alamitos	\$0	\$14,989	0%
Los Angeles (City)	\$94,048	\$5,147,445	2%
Lynwood	\$0	\$69,055	0%
Malibu	\$0	\$16,225	0%
Manhattan Beach	\$2,100	\$67,559	3%
Maywood	\$0	\$37,303	0%
Menifee	\$0	\$113,658	0%
Mission Viejo	\$6,988	\$127,165	5%
Monrovia	\$2,875	\$47,927	6%
Montclair	\$0	\$49,402	0%
Montebello	\$0	\$81,631	0%
Monterey Park	\$0	\$79,659	0%
Moreno Valley	\$9,103	\$262,273	3%
Murrieta	\$0	\$145,316	0%
Newport Beach	\$0	\$110,109	0%
Norco	\$1,500	\$34,346	4%
Norwalk	\$0	\$134,457	0%
Ontario	\$13,558	\$216,922	6%
Orange (City)	\$5,329	\$180,593	3%
Palm Desert	\$0	\$63,001	0%

Local Government	Administrative Costs	Motor Vehicle Revenues	Admin Costs as % of Revenues
Palm Springs	\$3,724	\$59,577	6%
Palos Verdes Estates	\$0	\$17,757	0%
Paramount	\$3,600	\$72,023	5%
Pasadena	\$0	\$180,086	0%
Perris	\$0	\$94,143	0%
Pico Rivera	\$4,000	\$82,075	5%
Placentia	\$0	\$66,739	0%
Pomona	\$10,586	\$198,706	5%
Rancho Cucamonga	\$1,910	\$313,349	1%
Rancho Mirage	\$0	\$23,075	0%
Rancho Palos Verdes	\$0	\$54,963	0%
Rancho Santa Margarita	\$0	\$61,955	0%
Redlands	\$0	\$87,306	0%
Redondo Beach	\$4,243	\$88,743	5%
Rialto	\$6,190	\$137,060	5%
Riverside (City)	\$3,767	\$422,378	1%
Rolling Hills Estates	\$0	\$10,252	0%
Rosemead	\$0	\$71,163	0%
San Bernardino (City)	\$17,254	\$276,065	6%
San Clemente	\$0	\$84,595	0%
San Dimas	\$2,180	\$43,602	5%
San Fernando	\$0	\$31,329	0%
San Gabriel	\$0	\$52,621	0%
San Jacinto	\$1,176	\$60,856	2%
San Juan Capistrano	\$0	\$46,080	0%
San Marino	\$0	\$17,324	0%
Santa Ana	\$6,287	\$552,628	1%
Santa Clarita	\$3,902	\$280,442	1%
Santa Fe Springs	\$0	\$23,572	0%
Santa Monica	\$7,010	\$119,577	6%
Seal Beach	\$0	\$32,585	0%
Sierra Madre	\$0	\$14,064	0%
Signal Hill	\$0	\$14,906	0%
South El Monte	\$0	\$26,579	0%
South Gate	\$6,000	\$151,765	4%
South Pasadena	\$0	\$32,726	0%
Stanton	\$2,100	\$50,762	4%
Temecula	\$0	\$139,274	0%
Temple City	\$0	\$46,654	0%
Torrance	\$0	\$189,515	0%
Tustin	\$172	\$105,629	0%
Upland	\$4,838	\$96,763	5%
Villa Park	\$441	\$7,351	6%
Walnut	\$0	\$38,504	0%
West Covina	\$5,301	\$137,753	4%
West Hollywood	\$0	\$46,470	0%
Westlake Village	\$0	\$10,706	0%
Westminster	\$7,508	\$120,131	6%
Whittier	\$5,222	\$112,811	5%
Wildomar	\$2,913	\$54,561	5%
Yorba Linda	\$0	\$86,372	0%
Yucaipa	\$0	\$68,679	0%

Local Government Projects Funded by Category

Fiscal Year 2016 - 2017

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(1) Alternative Fuels/Electric Vehicles			
(1a) Alternative Fuel Vehicle Purchases			
Alhambra		Purchase of one 2017 Chevrolet Volt	\$34,942
Alhambra		Purchase (1) 2017 Ford Fusion	\$33,257
Aliso Viejo		3 alternative fuel vehicles	\$92,929
Arcadia		Vehicle Replacement - Public Works Vehicle	\$91,876
Arcadia		Vehicle Replacement - Passenger Car	\$34,415
Azusa		Alternative Fuel Vehicle Purchase	\$47,406
Azusa		Alternative Fuel Street Sweeper Lease(s)	\$21,151
Baldwin Park		Hybrid Ford Purchase	\$82,463
Baldwin Park		Hybrid Toyota Purchase	\$45,450
Calabasas		Continues Lease of City Fleet (1)	\$23,074
Calabasas		Continued Lease of City Fleet (2)	\$3,103
Calimesa		Alternative Fuel Vehicles	\$18,550
County of Orange		Plug-in Hybrids for Motor Pool Green Fleet Plan	\$309,112
Cudahy		Hybrid Vehicle Lease	\$10,388
Culver City		Purchase of 18 CNG Transit Buses	\$110,000
Downey		Purchase Replacement Vehicles	\$84,809
Fontana		AFV Rebate Program	\$1,500
Fontana		AFV Rebate Program	\$500
Fullerton		Lease of Pool Cars	\$14,536
Garden Grove		Alternative Fuel Vehicle Rebate Program	\$21,304
Hemet		Purchase (1) 2017 Freightliner CNG Dump Truck 114SD	\$30,000
Huntington Park		Toyota Hybrid Leased Vehicle	\$21,945
Jurupa Valley		Purchase Hybrid Vehicle	\$48,281
La Canada Flintridge		Hybrid Gas/Electric Vehicle Purchase	\$36,209
La Mirada		Purchase 6 Ford Fusion S Hybrid 2.0 L IVCT 14HEV	\$144,889
La Puente		Purchase 1 2016 Toyota Rav4 XLE Hybrid	\$33,224
La Verne		Street Sweeper	\$65,000
Lawndale		Hybrid Vehicles	\$30,000
Los Angeles (City)		#1 Alt Fuel Purch-CNG Solid Waste Collection Vehicles	\$346,313
Los Angeles (City)		#2 Alt Fuel Purch-14 Peterbilt 365 Hvy-Haul Truck Tractors	\$346,313
Menifee		Alternative Fuel Vehicle Purchase	\$113,658
Norco		One 2017 Hybrid Nissan Rogue	\$24,954
Norco		One 2017 Hybrid Nissan Rogue	\$24,953
Norwalk		Cleaner Street Sweeping Contract	\$87,564
Perris		Purchase of 2017 Toyota Highlander Hybrid	\$110,308
Pico Rivera		Lease payments of (6) Hybrid Vehicles (2014 Toyota Prius C)	\$15,410
Rancho Palos Verdes		2017 Toyota Prius for CDD	\$22,708
Redlands		Partially fund 1 CNG Passenger Bus	\$56,960
San Fernando		CNG Ford F-250 Utility Truck Purchase	\$96,170
San Jacinto		Purchase of Tier 4 Skiploader	\$105,458
Santa Monica		Purchase of (10) 2017 Nissan Leafs	\$54,875
Santa Monica		Purchase of (5) Ford Focus Evs	\$10,950
South El Monte		Fuel Efficient Vehicle Purchase Program	\$82,218
South Pasadena		Ford F250 Reg Cab CNG Svc Truck	\$40,231
Temple City		Lease of Alternative Fuel Vehicles	\$20,020
Upland		Vehicle Purchase	\$49,075
Upland		Vehicle Purchase	\$32,531
Westlake Village		Lease of one Toyota Rav4 hybrid electric vehicle	\$1,919
Subcategory Total			\$3,312,901

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(1b) Alternative Fuel Vehicle Conversions			
Irvine	CNG Vehicles Conversion		\$197,840
Subcategory Total			\$197,840
(1c) Alternative Fuel Infrastructure (refueling, etc.)			
Eastvale	Purchase Compressed Natural Gas for Alt Fuel Vehs		\$526
Fullerton	CNG Station Upgrades		\$34,123
Gardena	CNG Station Expansion		\$25,426
Jurupa Valley	Infrastructure-Refueling (Compressed Natural Gas)		\$16,176
Lakewood	CNG Fuel Tank Upgrades		\$21,989
Monterey Park	CNG Station Compression Services Tariff (CST) Agreement		\$71,200
Ontario	Compressed Natural Gas - Slow Fill Posts		\$14,236
West Covina	CNG Fuel Station		\$32,740
Subcategory Total			\$216,416
(1d) Electric Vehicle Purchases			
Aliso Viejo	1 electric vehicle		\$15,893
Brea	Police Electric Vehicle for Trail Patrol		\$20,768
Brea	Public Works Electric Vehicle for Trail Maintenance		\$17,794
Coachella	Electric Vehicle Purchase		\$21,392
County of Orange	Electric Forklift Replacement Program, Purchase 1 Unit		\$42,570
County of Orange	Electric forklift Replacement Program, Purchase-One Unit		\$33,320
Huntington Park	Purchased Gator Electric Vehicle		\$10,144
Huntington Park	Electric Fiat 500 E leased Vehicle		\$5,766
La Puente	Purchase 1 2017 GEM ELXD Electric Cart		\$19,997
Lomita	Lease of Electric Golf to replace gas vehicle		\$3,220
Long Beach	Purchase of medium duty electric car		\$287,977
Lynwood	Purchase of 6 Electric Vehicles (Nissan Leafs)		\$178,333
Maywood	Purchase of 4 New Electric Vehicles		\$97,688
Orange (City)	Community Services Electric Vehicle Initiative		\$17,074
Placentia	Purchase of 10 Chevy Spark electric vehicles		\$50,620
Riverside (City)	Electric Vehicle Rebate Program		\$4,500
San Jacinto	Electric Golf Cart Purchase for Water Department		\$2,592
Santa Ana	Electric Vehicle Lease (2)		\$12,525
South Gate	Purchase (1) Smithco Super Star Electric Utility Bunker Rack		\$18,846
South Gate	Purchase (1) John Deere Electric Gator Utility Vehicle		\$10,873
West Covina	2 "Zero" Electric Motorcycles		\$36,745
Yorba Linda	Purchase (1) Electric Vehicle in Replacement Program		\$10,641
Subcategory Total			\$919,277
(1f) Electric Veh Infrastructure			
Chino Hills	Electric Vehicle Charging Stations		\$10,180
Claremont	EV Charging Stations For Public Use		\$600
Downey	4 EV Charging Stations		\$80,693
Fountain Valley	Fountain Valley Electric Vehicle Charging Stations		\$69,150
Indio	EV Infrastructure		\$782
La Canada Flintridge	Electric Vehicle Charging Station		\$2,573
Lomita	Installation of electric charging stations		\$17,657
Los Angeles (City)	EV Car Charging Stations at Citywide Locations		\$123,265
Lynwood	Charging Stations		\$21,896
Maywood	Installation of a Charging Station for Electric Vehicles		\$33,559
Murrieta	Purchase and install of electric charging station		\$13,917
Newport Beach	Electric Vehicle Charging Stations		\$36,650
Ontario	Electric Vehicle Charging Station		\$148,909
Orange (City)	Electric Car Charging Stations		\$2,541
Palm Desert	Electric Vehicle DC Fast Charger Project		\$4,480
Rialto	EV Charging stations at Riverside/Easton		\$16,389
Santa Clarita	Electric Vehicle Charging Station (R4004)		\$6,600
Santa Monica	Installation of EV Infrastructure		\$66,505
Stanton	Electric Charging Stations		\$22,113
Westminster	Electrical charging stations		\$93,925
Subcategory Total			\$772,384
Category Total			\$5,238,818

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(2) Vehicle Emissions Abatement			
(2a) Off Road Veh Cleaner Diesel Purchases, Repowers, & Retrofits			
Hemet		Particulate Trap for (1) Constr. Backhoe 1 of 2	\$17,646
Hemet		Particulate Trap for (1) Constr. Backhoe 2 of 2	\$17,646
Subcategory Total			\$35,292
Category Total			\$35,292
(3) Land Use			
(3a) Plan Elements			
Bell Gardens		SR-91/I-605/I-405 "Hot Spots" Gateway Project	\$12,000
Bell Gardens		Gateway Cities COG-I-710 Major Corridor Study	\$10,000
Cudahy		General Plan Elements	\$6,162
Hawaiian Gardens		Gateway Cities Strategic Transportation Plan (STP)	\$6,500
Los Angeles (City)		Land Use	\$270,000
Mission Viejo		City of Mission Viejo Air Quality Planning: FY16-17	\$36,488
Pico Rivera		Development of Strategic Transportation Plans	\$10,600
Santa Ana		General Plan Land Use Designations	\$29,277
Santa Ana		Metro East Mixed Use Overlay Plan	\$7,383
Santa Ana		General Plan Circulation Element	\$3,265
Signal Hill		FY 16-17 I-710 Corridor EIR/ EIS	\$1,000
Whittier		Dev. Gateway COG Strategic Transportation Plan	\$15,497
Subcategory Total			\$408,172
(3b) Development Guidelines			
Lakewood		91/605/405 COG Major Corridor Study	\$10,000
Santa Ana		TOD Parking Guidelines	\$230
Subcategory Total			\$10,230
(3c) Facilities (Pedestrian, mixed use, etc.)			
Fontana		Juniper @ Metrolink Xing	\$56,038
Fontana		Sierra @ Metrolink Xing	\$53,801
Subcategory Total			\$109,839
Category Total			\$528,240
(4) Public Transportation (Transit & Rail)			
(4a) Public Transportation Facilities (multi-modal, shelters)			
Fontana		Bus Shelter Program	\$189,735
Santa Clarita		Vista Canyon Regional Transit Center (T3021)	\$67,435
Stanton		Replacement of bus Shelters	\$54,945
Subcategory Total			\$312,115
(4c) Transit Operations (new service, shuttles, fuel subsidies)			
Anaheim		ART Shuttle - Route 17	\$30,203
Grand Terrace		Senior Transportation Program	\$5,000
Huntington Beach		4th of July/US Surf Open Shuttle	\$21,501
La Habra		Shuttles to transport seniors	\$89,452
Mission Viejo		Mission Viejo (MV) Shuttle: FY16-17	\$105,289
Rancho Palos Verdes		Palos Verdes Peninsular Transit Authority Jt Powers Authority	\$54,963
San Clemente		San Clemente Summer Trolley	\$93,053
San Juan Capistrano		Trolley Program	\$15,600
Seal Beach		Senior Transportation Nutrition Shuttle	\$32,585
Temecula		Route 55 RTA Transit New Services	\$19,455
Westminster		Project V - Pilot Shuttle Program	\$16,003
Subcategory Total			\$483,104

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(4d) Passenger Fare Subsidies			
Anaheim		METROLINK & OCTA Transit Subsidies	\$111,491
Azusa		Transit Pass Subsidy	\$8,427
Burbank		Employee Transit Subsidies	\$24,703
Compton		Employee Transit Subsidies	\$39,534
Corona		Corona Cruiser Fare Subsidy	\$23,345
Covina		Commuter Choice Reimbursement Program	\$1,046
Garden Grove		Transit Subsidy (Metrolink & Bus)	\$4,992
Glendale		Transit Fare Subsidy	\$60,000
Laguna Beach		Free Main Line Service During Summer	\$26,410
Laguna Beach		Free Ride to Work Bus Pass Program	\$2,100
Monrovia		Monrovia Public Transportation Subsidy Program	\$9,732
Norwalk		Transit Subsidy	\$26,000
Riverside (City)		Riverside Go Transit Bus Pass Subsidy Program	\$72,880
Riverside (City)		City Pass Program	\$14,130
South El Monte		Bus Pass Subsidy Program	\$6,646
Walnut		Bus Pass Subsidies	\$8,093
Subcategory Total			\$439,529
Category Total			\$1,234,748

(5) Traffic Management

(5a) Traffic Calming

Diamond Bar		Neighborhood Traffic Management Program(PJ#22316)	\$6,380
Huntington Park		Traffic Calming Activities - Pacific Blvd	\$341,699
Long Beach		6th Street Traffic Calming	\$68,005
Los Angeles (City)		Traffic Calming	\$270,000
Rancho Santa Margarita		Install Speed Feedback Signs (3 Locations)	\$18,030
San Clemente		Marblehead Coastal Sidewalk Improvements	\$100,000
San Juan Capistrano		Neighborhood Traffic Calming Project	\$5,883
Subcategory Total			\$809,997

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

Anaheim		Traffic Signal Synchronization	\$158,739
Artesia		Pre-Emption Replacement	\$17,397
Costa Mesa		Sunflower Ave. & Anton Blvd. Signal Improvements	\$13,454
Costa Mesa		Baker St./Placentia Ave. Traffic Signal Sync Project	\$11,461
Costa Mesa		Fairview Rd. Traffic Signal Synchronization Project	\$5,101
Costa Mesa		Victoria St. Traffic Signal Synchronization Project	\$928
Costa Mesa		17th. St. Signal Synchronization Project	\$633
Diamond Bar		Traffic Signal Infrastructure Upgrades (PJ#24914)	\$103,314
Diamond Bar		Traffic Signal Infrastructure Upgrades (PJ#24516)	\$50,000
Eastvale		Hamner Ave Traffic Signal Synchronization	\$1,791
Fontana		Sierra @ I-15 Fwy	\$359
Highland		Traffic Signal Synchronization	\$13,620
Huntington Beach		Traffic Management Software Update	\$8,500
Huntington Beach		Peak Time Traffic Volume Monitoring	\$4,550
Irwindale		Left Turn Phasing on Peck Rd & Longden	\$3,523
Laguna Niguel		Traffic Signal Coordination	\$17,171
Lake Forest		Prof Serv-Traffic Engineer for Traffic Signal Monitoring	\$32,733
Lake Forest		Traffic Signal System Communications Enhancements	\$19,682
Lake Forest		Signal Maintenance Centracs Software	\$6,922
Lake Forest		Barranca/Muirlands Traffic Signal Synchronization	\$4,434
Lake Forest		Alton Parkway Traffic Signal Synchronization	\$2,490
Lake Forest		Bake Parkway Traffic Signal Synchronization Project	\$1,217
Loma Linda		Signal Coordination	\$27,110
Los Angeles (City)		Seg 7 Vermont Bl from Imperial Hwy to 190th St	\$190,443
Los Angeles (City)		Seg1 Figueroa St between Imperial Hwy and 190th St	\$190,443
Los Angeles (City)		Seg 5 Nordhoff St from Woodley Av to Tampa Av	\$158,027
Los Angeles (City)		Seg 8 Vermont Av from Wilshire Bl to MLK Jr Bl	\$145,871
Los Angeles (City)		Seg 4 Reseda Bl from San Fern Mission Bl to Parthenia St	\$121,559

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
Los Angeles (City)		Seg 2 Westwood Bl from Pico Bl to Lindbrook Dr	\$64,831
Los Angeles (City)		Seg 6 Adams Bl from Figueroa St to Normandie Av	\$60,780
Los Angeles (City)		Seg 3 Wilshire Bl from Beverly Glen Bl to Westwood Bl	\$44,572
Los Angeles (City)		Seg 9 Whitsett Av from Chandler Bl to Oxnard Av	\$32,416
Los Angeles (City)		Seg10 Magnolia Bl from Leghorn Av to Bluebell Av	\$12,156
Mission Viejo		City of Mission Viejo Traffic Signal Synchronization	\$4,738
Moreno Valley		Traffic Signal Coordination Program	\$250
Placentia		Kraemer Blvd Signal Sync.	\$3,751
Pomona		Traffic Operations Communication Upgrade	\$69,050
Rancho Santa Margarita		Antonio Parkway Signal & Equipment Upgrade	\$6,141
Rancho Santa Margarita		Santa Margarita Pkwy Signal & Equipment Upgrade	\$1,273
Riverside (City)		Riverside Traffic Management Center	\$30,353
San Juan Capistrano		Regional Traffic Synchronization Program	\$28,414
Santa Clarita		ITS Phase IV (I0009)	\$323,128
Subcategory Total			\$1,993,322
(5c) Alternate Mode Signalization (transit/bike pre-emption)			
Costa Mesa		Install Bicycle Signal on Placentia Ave	\$2,985
San Juan Capistrano		Countdown Pedestrian Signals Project	\$6,797
Subcategory Total			\$9,782
(5d) Traffic Management Research and Dev			
Rancho Cucamonga		Freeway and Arterial Signal Synchronization Project	\$12,000
Subcategory Total			\$12,000
Category Total			\$2,825,101
(6) Transportation Demand Management			
(6a) Employer-Based Trip Reduction			
Anaheim		Trip Reduction Program	\$74,473
Arcadia		Rideshare Plus Program	\$22,444
Azusa		Rideshare Financial Incentives	\$10,314
Baldwin Park		Employee Trip Reduction Incentive Programs	\$1,910
Bell Gardens		Employee Rideshare Subsidies	\$617
Burbank		Employee Rideshare Subsidies	\$39,745
Carson		Employee Carpool Program	\$19,080
Cerritos		Employee Rideshare Trip Rebate Program	\$24,128
Claremont		Employees Using Public Transportation (6 Employees)	\$3,010
Commerce		Employer Based Trip Reduction	\$16,763
Compton		Employee Trip Reduction Program	\$27,122
County of LA		Employee Commute Reduction Program	\$680,485
County of Orange		Employee Rideshare Program	\$35,000
County of Riverside		Commuter Services Rideshare Program	\$197,712
County of San Bernardino		Employee Commute Reduction Program	\$200,568
Downey		Downey Employee "Thumbs Up" Commuting Program	\$121,239
El Monte		Monthly Rideshare Incentive	\$48,652
Fontana		Rideshare Activities	\$11,981
Garden Grove		TDM Services	\$58,147
Glendale		Employer Based Trip Reduction Program	\$89,187
Glendora		Altcom Program	\$13,476
Hawthorne		Financial Incentives for rideshare	\$2,630
Huntington Beach		Employee Rideshare Activities	\$19,838
La Verne		Bike, Carpool, Walk, Incentive Program	\$12,205
Los Angeles (City)		Employer's Rail and Bus Transit Incentive Program	\$225,970
Los Angeles (City)		Employer' Carpool Program	\$48,399
Los Angeles (City)		Bicycle Transit Incentive Program	\$8,786
Los Angeles (City)		Employer's Walk Incentive Program	\$8,786
Manhattan Beach		Rideshare Program	\$11,880
Monrovia		Monrovia Employee Ride Share	\$3,600
Montclair		Rideshare Program	\$25,776

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
Montebello		Employee Commute Reduction Program	\$30,446
Monterey Park		Employee Transportation Program	\$25,000
Newport Beach		Employee Rideshare Program	\$8,989
Orange (City)		Trip Reduction Program	\$108,652
Palm Desert		City Rideshare Program	\$1,576
Pasadena		Prideshare	\$151,630
Rancho Cucamonga		Employer Ride Share Program	\$16,574
Redondo Beach		Employee Rideshare	\$59,854
Rialto		Employee Rideshare Program	\$65,929
Riverside (City)		Employee Rideshare Program	\$1,200
San Bernardino (City)		Rideshare Program	\$21,876
Santa Ana		Blue Skies Ride share Program	\$133,996
Santa Clarita		Rideshare	\$2,335
South Gate		Employee Rideshare Program	\$2,486
Stanton		Commute Incentive Program	\$380
Torrance		Employee Rideshare	\$152,579
Upland		Rideshare Activities	\$13,128
West Hollywood		Alternative Transportation Mode Incentive	\$30,584
Westminster		Employee Rideshare Program	\$9,169
Whittier		Employee-Based Trip Reduction	\$7,097
		Subcategory Total	\$2,907,404
	(6b) Other Trip Reduction Incentive Programs		
Carson		Carpool Program for Community Event	\$9,935
Hermosa Beach		AQMD Incentives to reduce auto trips	\$6,525
Los Angeles (City)		Trip Reduction Programs	\$160,296
San Juan Capistrano		Sr Nutritional Transportation Program	\$10,195
		Subcategory Total	\$186,951
	(6c) Vanpool Programs		
Anaheim		Citywide Vanpool Program	\$92,116
County of San Bernardino		Vanpool Subsidy Program	\$20,480
Garden Grove		Vanpool Program Conventional Gasoline	\$56,329
Garden Grove		Vanpool Program CNG	\$30,768
Los Angeles (City)		Employee Vanpool Program	\$260,917
Westminster		Employee Vanpool Program	\$8,221
		Subcategory Total	\$468,830
	(6d) Park and Ride Lots (for carpools, transit)		
Irvine		Security Service Provided by Irvine PS at Train Station	\$173,166
Temecula		Construct Park and Ride near Temecula Pkway	\$232,112
		Subcategory Total	\$405,278
	(6f) Transportation Management Agencies/Organizations		
Glendale		Transportation Management Agency Services	\$8,111
Irvine		Irvine Spectrum TMA	\$3,756
		Subcategory Total	\$11,868
		Category Total	\$3,980,332
(8) Bicycles			
	(8a) Bicycle Lanes and Trails (also bridges)		
Highland		Class II Bike Lane Installation	\$317,023
Irvine		Implementing Lights at San Diego Creek Trail	\$197,715
Long Beach		Class II Bike Lanes to LA River	\$92,174
Long Beach		Bike Buoys	\$61,406
Long Beach		Protected Bike Lanes on 3rd and Broadway	\$38,180
Long Beach		Class I Bicycle Path Gap Closure - Pier J Project	\$4,853
Long Beach		Class I Willow Bike Path to San Gabriel River	\$2,644

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
Long Beach		Bicycle - Fix It Stations	\$2,410
Redlands		Installation of Class II Bike Lanes	\$83,040
Yorba Linda		Bike Lane Enhancement Program	\$8,500
Yucaipa		Class II Bike Lane Construction Activities - Yucaipa Blvd.	\$141,122
Yucaipa		Class II Bike Lane Construction Activities	\$43,511
		Subcategory Total	\$992,577
	(8b) Other Bicycle Facilities (racks, lockers, loop detectors)		
Beverly Hills		Beverly Hills Bike Share	\$12,490
Los Angeles (City)		Bike Repair Stations and Bicycle Parking	\$117,764
Riverside (City)		Bicycle Racks	\$2,319
San Clemente		Downtown Bicycle Racks	\$39,865
West Hollywood		Bike Rack Installation	\$8,308
		Subcategory Total	\$180,746
	(8c) Bicycle Usage (electric bikes, purchases, loaner projects)		
Long Beach		Bike Share Program	\$20,177
Orange (City)		Orange Police Bike Team	\$6,461
Orange (City)		Bike Loan to Own Program	\$2,105
Santa Clarita		Bike to work	\$2,809
West Hollywood		Citywide Bike Share Program	\$10,380
Westlake Village		Bike purchase for Animal Control patrol	\$550
		Subcategory Total	\$42,482
	(8d) Bicycle Research and Dev (engineering studies)		
Fullerton		Priority Bike Connection	\$18,192
Rancho Cucamonga		Southwest Cucamonga Class I Bicycle Lanes Project	\$9,802
		Subcategory Total	\$27,994
		Category Total	\$1,243,799
(9) PM Reduction Strategies			
	(9a) Road Dust Control (paving roads, shoulders, street sweeping)		
Cathedral City		Regional PM10 Street Sweeping Program	\$51,968
Coachella		Regional PM10 Street Sweeping Program	\$57,985
Colton		Lease of a CNG Street Sweeper	\$41,986
County of Riverside		Regional PM10 Street Sweeping Program	\$47,768
Desert Hot Springs		Regional PM10 Street Sweeping Program	\$27,821
El Monte		Regional PM10 Street Sweeper Contract (2 Vehicles)	\$43,066
Hawthorne		PM10 Reduction Street Sweeping Project	\$100,000
Indian Wells		Regional PM10 Street Sweeping Program	\$4,932
Indio		Regional PM 10 Street Sweeping Program	\$84,337
Jurupa Valley		Contract Street Weeping	\$57,120
La Quinta		Regional PM 10 Street Sweeping Program	\$38,288
Lake Elsinore		Citywide Dirt Road Paving Program	\$86,052
Loma Linda		City Street Sweeping	\$19,200
Lomita		Leasing alternative fuel street sweepers	\$15,000
Moreno Valley		Street Sweeping Program	\$165,393
Palm Desert		Regional PM10 Street Sweeping Program	\$47,250
Palm Springs		Regional PM10 Street Sweeping Program	\$44,683
Rancho Mirage		Regional PM10 Street Sweeping Program	\$17,306
Walnut		Street Sweeping with CNG Sweeper	\$50,860
		Subcategory Total	\$1,001,014
		Category Total	\$1,001,014
(10) Public Education			
	(10a) Short Term PE (promote transit, rideshare; conferences)		
Anaheim		Rideshare Outreach	\$23,170
Glendale		Commute Program Outreach	\$29,930
Long Beach		2016 Active Transportation Public Education Event	\$82,318
Long Beach		Bike Share Marketing	\$3
Los Angeles (City)		Air Quality Education/Outreach Improvement Strategies	\$151,059

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
Santa Clarita		Promotion and Advertising	\$5,051
Santa Monica		Sponsorship of AltCar Expo	\$10,000
West Hollywood		Bike Light Giveaway Events (2)	\$2,037
		Subcategory Total	\$303,567
	(10b) Long Term PE (curriculum, video, brochures, bilingual)		
Santa Clarita		Green Guide	\$300
		Subcategory Total	\$300
		Category Total	\$303,867
(11) Miscellaneous Projects			
	(11a) Miscellaneous (use with "Miscellaneous Projects" Category)		
Agoura Hills		Hybrid Battery Replacement	\$4,415
Alhambra		Rule 2202 Compliance	\$315
Buena Park		Employer Trip Reduction Program Filing Fees	\$791
Calimesa		Clean Cities Coalition	\$3,000
Chino		Vehicle Emission Credits Purchases	\$5,519
Chino		Emission Credit Filing Fee	\$555
Corona		Western Riverside Council of Gov., Clean Cities Coalition	\$6,000
County of Riverside		Purchase of Mobile Source Emission Reduction Credits	\$273,287
County of Riverside		WRCOG Clean Cities Coalition Program	\$25,000
County of Riverside		Rule 2202 Multisite Cluster Registration	\$7,553
County of Riverside		Audit of AB2766 Revenue and Expense	\$6,370
Eastvale		WRCOG Clean Cities Coalition	\$6,000
Fullerton		Rule 2202 Emission Credits	\$21,571
Gardena		Gardena Rule 2202 Compliance	\$43,634
Glendora		Bicycle Rally	\$935
Hemet		WRCOG Clean Cities Coalition	\$4,150
Huntington Beach		Rule 2202 Filing	\$1,057
Indio		Audit Expenses	\$2,006
Inglewood		Rule 2202 MSERC's Purchase Credits	\$12,209
Irvine		Purchase Rule 2202 Credit	\$7,794
Lake Elsinore		Clean Cities Coalition (WRCOG)	\$6,000
Lomita		Online Submittal System	\$5,000
Long Beach		Rule 2202 Emissions Credit Purchase	\$35,353
Long Beach		Develop Gateway COG Transportation Plan	\$17,500
Los Angeles (City)		BOE Alt Fuel Infrastructure Eng Design & Tech Support	\$230,050
Los Angeles (City)		Alternative Commute/EV Car Sharing Program Development	\$112,253
Los Angeles (City)		Scope of Work for Integrated Mobility Hubs	\$110,000
Los Angeles (City)		Green Taxi Program Development	\$105,960
Los Angeles (City)		Annual Audit	\$13,842
Moreno Valley		WRCOG - Clean Cities Coalition	\$15,000
Norwalk		Ab 2766 Audit Expenses	\$2,664
Ontario		Purchase Emission Reduction Credits	\$15,334
Pomona		Purchase of Emission Credits	\$8,680
Riverside (City)		ProjectDox	\$69,251
Riverside (City)		Clean Cities Coalition	\$25,000
Riverside (City)		AQMD Rule 2202 Compliance	\$23,472
San Jacinto		WRCOG Clean Cities Coalition	\$6,000
Temecula		WRCOG Clean Cities California	\$10,000
West Covina		Air Quality Investment Program (AQIP)	\$6,127
West Covina		AQMD 2766 Annual Audit Fee	\$1,500
Whittier		Rule 2202 Compliance - Emission Credits Purchased	\$12,600
Whittier		Rule 2202 Filing Fees	\$555
		Subcategory Total	\$1,264,304
		Category Total	\$1,264,304
		GRAND TOTAL:	\$17,655,513

Percent of Project Expenditures by Project Category

Fiscal Year 2016 - 2017

Project Category	Project Expenditures	Percent of Total Project Expenditures	Number of Projects
(1) Alternative Fuels/Electric Vehicles	\$5,238,818	30%	99
(6) Transportation Demand Management	\$3,980,332	23%	65
(5) Traffic Management	\$2,825,101	16%	52
(11) Miscellaneous Projects	\$1,264,304	7%	41
(8) Bicycles	\$1,243,799	7%	25
(4) Public Transportation (Transit & Rail)	\$1,234,748	7%	30
(9) PM Reduction Strategies	\$1,001,014	6%	19
(3) Land Use	\$528,240	3%	16
(10) Public Education	\$303,867	2%	9
(2) Vehicle Emissions Abatement	\$35,292	0%	2
	\$17,655,513	100%	359

Summary of Spending by Project SubCategory

Fiscal Year 2016 - 2017

Subcategory	Category	Expenditures by Subcategory	Number of Projects
(1) Alternative Fuels/Electric Vehicles			
(1a)	Alternative Fuel Vehicle Purchases	\$3,132,901	48
(1b)	Alternative Fuel Vehicle Conversions	\$197,840	1
(1c)	Alternative Fuel Infrastructure (refueling, etc.)	\$216,416	8
(1d)	Electric Vehicle Purchases	\$919,277	22
(1f)	Electric Vehicle Infrastructure	\$772,384	20
(2) Vehicle Emissions Abatement			
(2d)	On-road CARB-verified Diesel Emission Control Systems--	\$35,292	2
(3) Land Use			
(3a)	Plan Elements	\$408,172	12
(3c)	Facilities (Pedestrian, mixed use, etc.)	\$10,230	2
(3d)	Land Use Research	\$109,839	2
(4) Public Transportation (Transit & Rail)			
(4a)	Public Transportation Facilities (multi-modal, shelters)	\$312,115	3
(4c)	Transit Operations (new service, shuttles, fuel subsidies)	\$483,104	11
(4d)	Passenger Fare Subsidies	\$439,529	16
(5) Traffic Management			
(5a)	Traffic Calming	\$809,997	7
(5b)	Traffic Flow or Signalization (timing, surveillance)	\$1,993,322	42
(5c)	Alternate Mode Signalization (transit/bike pre-emption)	\$9,782	2
(5d)	Traffic Management Research and Dev	\$12,000	1
(6) Transportation Demand Management			
(6a)	Employer-Based Trip Reduction	\$2,907,404	51
(6b)	Other Trip Reduction Incentive Programs	\$186,951	4
(6c)	Vanpool Programs	\$468,830	6
(6d)	Park and Ride Lots (for carpools, transit)	\$405,278	2
(6f)	Transportation Management Agencies/Organizations	\$11,868	2
(8) Bicycles			
(8a)	Bicycle Lanes and Trails (also bridges)	\$992,577	12
(8b)	Other Bicycle Facilities (racks, lockers, loop detectors)	\$180,746	5

Subcategory	Category	Expenditures by Subcategory	Number of Projects
(8c)	Bicycle Usage (electric bikes, purchases, loaner projects)	\$42,482	6
(8d)	Bicycle Research and Dev (engineering studies)	\$27,994	2
(9) PM Reduction Strategies			
(9a)	Road Dust Control (paving roads, shoulders, street sweeping)	\$1,001,014	19
(10) Public Education			
(10a)	Short Term PE (promote transit, rideshare; conferences)	\$303,567	8
(10b)	Long Term PE (curriculum, video, brochures, bilingual)	\$300	1
(11) Miscellaneous Projects			
(11a)	Miscellaneous (use with "Miscellaneous Projects" Category)	\$1,264,304	42
Grand Total		\$17,655,513	359

Project Funding Sources

Fiscal Year 2016 - 2017

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Agoura Hills					
Hybrid Battery Replacement	\$4,415	\$0	\$0	\$0	\$0
Alhambra					
Purchase (1) 2017 Ford Fusion	\$33,257	\$0	\$0	\$0	\$0
Purchase of one 2017 Chevrolet Volt	\$34,942	\$0	\$0	\$0	\$0
Rule 2202 Compliance	\$315	\$0	\$0	\$0	\$0
Aliso Viejo					
1 electric vehicle	\$15,893	\$0	\$0	\$0	\$0
3 alternative fuel vehicles	\$92,929	\$0	\$0	\$0	\$0
Anaheim					
ART Shuttle - Route 17	\$30,203	\$0	\$0	\$0	\$2,508
Citywide Vanpool Program	\$92,116	\$0	\$0	\$0	\$14,683
METROLINK & OCTA Transit Subsidies	\$111,491	\$0	\$0	\$0	\$16,535
Rideshare Outreach	\$23,170	\$0	\$0	\$0	\$2,846
Traffic Signal Synchronization	\$158,739	\$0	\$0	\$0	\$13,179
Trip Reduction Program	\$74,473	\$0	\$0	\$0	\$6,183
Arcadia					
Rideshare Plus Program	\$22,444	\$0	\$0	\$0	\$0
Vehicle Replacement - Passenger Car	\$34,415	\$0	\$0	\$0	\$0
Vehicle Replacement - Public Works Vehicle	\$91,876	\$0	\$0	\$0	\$0
Artesia					
Pre-Emption Replacement	\$17,397	\$0	\$0	\$0	\$0
Azusa					
Alternative Fuel Street Sweeper Lease(s)	\$21,151	\$0	\$0	\$0	\$7,051
Alternative Fuel Vehicle Purchase	\$47,406	\$30,000	\$0	\$0	\$0
Rideshare Financial Incentives	\$10,314	\$0	\$0	\$0	\$0
Transit Pass Subsidy	\$8,427	\$0	\$0	\$0	\$0
Baldwin Park					
Employee Trip Reduction Incentive Programs	\$1,910	\$0	\$0	\$0	\$0
Hybrid Ford Purchase	\$82,463	\$0	\$0	\$0	\$0
Hybrid Toyota Purchase	\$45,450	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Banning					
	\$0	\$0	\$0	\$0	\$0
Beaumont					
	\$0	\$0	\$0	\$0	\$0
Bell					
	\$0	\$0	\$0	\$0	\$0
Bell Gardens					
Employee Rideshare Subsidies	\$617	\$0	\$0	\$0	\$0
Gateway Cities COG-I-710 Major Corridor Study	\$10,000	\$0	\$0	\$0	\$0
SR-91/I-605/I-405 "Hot Spots" Gateway Project	\$12,000	\$0	\$0	\$0	\$0
Bellflower					
	\$0	\$0	\$0	\$0	\$0
Beverly Hills					
Beverly Hills Bike Share	\$12,490	\$0	\$0	\$0	\$0
Big Bear Lake					
	\$0	\$0	\$0	\$0	\$0
Brea					
Police Electric Vehicle for Trail Patrol	\$20,768	\$0	\$0	\$0	\$0
Public Works Electric Vehicle for Trail Maintenance	\$17,794	\$0	\$0	\$0	\$0
Buena Park					
Employer Trip Reduction Program Filing Fees	\$791	\$0	\$0	\$0	\$0
Burbank					
Employee Rideshare Subsidies	\$39,745	\$0	\$0	\$0	\$0
Employee Transit Subsidies	\$24,703	\$0	\$0	\$0	\$0
Calabasas					
Continued Lease of City Fleet (2)	\$3,103	\$0	\$0	\$0	\$0
Continues Lease of City Fleet (1)	\$23,074	\$0	\$0	\$0	\$0
Calimesa					
Alternative Fuel Vehicles	\$18,550	\$0	\$0	\$0	\$36,177
Clean Cities Coalition	\$3,000	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Canyon Lake					
	\$0	\$0	\$0	\$0	\$0
Carson					
Carpool Program for Community Event	\$9,935	\$0	\$0	\$0	\$0
Employee Carpool Program	\$19,080	\$0	\$0	\$0	\$0
Cathedral City					
Regional PM10 Street Sweeping Program	\$51,968	\$0	\$0	\$0	\$0
Cerritos					
Employee Rideshare Trip Rebate Program	\$24,128	\$0	\$0	\$0	\$0
Chino					
Emission Credit Filing Fee	\$555	\$0	\$0	\$0	\$0
Vehicle Emission Credits Purchases	\$5,519	\$0	\$0	\$0	\$0
Chino Hills					
Electric Vehicle Charging Stations	\$10,180	\$0	\$0	\$0	\$0
Claremont					
Employees Using Public Transportation (6 Employees)	\$3,010	\$0	\$0	\$0	\$0
EV Charging Stations For Public Use	\$600	\$0	\$0	\$0	\$0
Coachella					
Electric Vehicle Purchase	\$21,392	\$0	\$0	\$0	\$0
Regional PM10 Street Sweeping Program	\$57,985	\$0	\$0	\$0	\$0
Colton					
Lease of a CNG Street Sweeper	\$41,986	\$0	\$0	\$0	\$0
Commerce					
Employer Based Trip Reduction	\$16,763	\$0	\$0	\$0	\$0
Compton					
Employee Transit Subsidies	\$39,534	\$0	\$0	\$0	\$0
Employee Trip Reduction Program	\$27,122	\$0	\$0	\$0	\$0
Corona					
Corona Cruiser Fare Subsidy	\$23,345	\$0	\$0	\$0	\$0
Western Riverside Council of Gov., Clean Cities Coalition	\$6,000	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Costa Mesa					
17th. St. Signal Synchronization Project	\$633	\$0	\$0	\$0	\$0
Baker St./Placentia Ave. Traffic Signal Sync Project	\$11,461	\$0	\$0	\$0	\$0
Fairview Rd. Traffic Signal Synchronization Project	\$5,101	\$0	\$0	\$0	\$0
Install Bicycle Signal on Placentia Ave	\$2,985	\$0	\$0	\$0	\$0
Sunflower Ave. & Anton Blvd. Signal Improvements	\$13,454	\$0	\$0	\$0	\$0
Victoria St. Traffic Signal Synchronization Project	\$928	\$0	\$0	\$0	\$0
County of LA					
Employee Commute Reduction Program	\$680,485	\$0	\$0	\$0	\$0
County of Orange					
Electric Forklift Replacement Program, Purchase 1 Unit	\$42,570	\$0	\$0	\$0	\$0
Electric forklift Replacement Program, Purchase-One Unit	\$33,320	\$0	\$0	\$0	\$0
Employee Rideshare Program	\$35,000	\$0	\$0	\$0	\$167,980
Plug-in Hybrids for Motor Pool Green Fleet Plan	\$309,112	\$0	\$0	\$0	\$0
County of Riverside					
Audit of AB2766 Revenue and Expense	\$6,370	\$0	\$0	\$0	\$0
Commuter Services Rideshare Program	\$197,712	\$0	\$0	\$0	\$0
Purchase of Mobile Source Emission Reduction Credits	\$273,287	\$0	\$0	\$0	\$0
Regional PM10 Street Sweeping Program	\$47,768	\$0	\$0	\$0	\$0
Rule 2202 Multisite Cluster Registration	\$7,553	\$0	\$0	\$0	\$0
WRCOG Clean Cities Coalition Program	\$25,000	\$0	\$0	\$0	\$0
County of San Bernardino					
Employee Commute Reduction Program	\$200,568	\$0	\$0	\$0	\$0
Vanpool Subsidy Program	\$20,480	\$0	\$0	\$0	\$0
Covina					
Commuter Choice Reimbursement Program	\$1,046	\$0	\$0	\$0	\$0
Cudahy					
General Plan Elements	\$6,162	\$0	\$0	\$0	\$0
Hybrid Vehicle Lease	\$10,388	\$0	\$0	\$0	\$0
Culver City					
Purchase of 18 CNG Transit Buses	\$110,000	\$0	\$0	\$0	\$10,765,122

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Cypress	\$0	\$0	\$0	\$0	\$0
Dana Point	\$0	\$0	\$0	\$0	\$0
Desert Hot Springs					
Regional PM10 Street Sweeping Program	\$27,821	\$0	\$0	\$0	\$0
Diamond Bar					
Neighborhood Traffic Management Program (PJ#22316)	\$6,380	\$0	\$0	\$0	\$0
Traffic Signal Infrastructure Upgrades (PJ#24516)	\$50,000	\$0	\$0	\$0	\$0
Traffic Signal Infrastructure Upgrades (PJ#24914)	\$103,314	\$0	\$0	\$0	\$0
Downey					
4 EV Charging Stations	\$80,693	\$40,000	\$0	\$0	\$0
Downey Employee "Thumbs Up" Commuting Program	\$121,239	\$0	\$0	\$0	\$0
Purchase Replacement Vehicles	\$84,809	\$0	\$0	\$0	\$0
Duarte	\$0	\$0	\$0	\$0	\$0
Eastvale					
Hamner Ave Traffic Signal Synchronization	\$1,791	\$0	\$0	\$0	\$0
Purchase Compressed Natural Gas for Alt Fuel Vehicles	\$526	\$0	\$0	\$0	\$0
WRCOG Clean Cities Coalition	\$6,000	\$0	\$0	\$0	\$0
El Monte					
Monthly Rideshare Incentive	\$48,652	\$0	\$0	\$0	\$0
Regional PM10 Street Sweeper Contract (2 Vehicles)	\$43,066	\$0	\$0	\$0	\$0
El Segundo	\$0	\$0	\$0	\$0	\$0
Fontana					
AFV Rebate Program	\$500	\$0	\$0	\$0	\$0
AFV Rebate Program	\$1,500	\$0	\$0	\$0	\$0
Bus Shelter Program	\$189,735	\$0	\$0	\$0	\$0
Juniper @ Metrolink Xing	\$56,038	\$0	\$0	\$0	\$0
Rideshare Activities	\$11,981	\$0	\$0	\$0	\$0
Sierra @ I-15 Fwy	\$359	\$0	\$0	\$0	\$0
Sierra @ Metrolink Xing	\$53,801	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Fountain Valley					
Fountain Valley Electric Vehicle Charging Stations	\$69,150	\$115,250	\$0	\$0	\$0
Fullerton					
CNG Station Upgrades	\$34,123	\$0	\$0	\$0	\$0
Lease of Pool Cars	\$14,536	\$0	\$0	\$0	\$0
Priority Bike Connection	\$18,192	\$0	\$0	\$0	\$0
Rule 2202 Emission Credits	\$21,571	\$0	\$0	\$0	\$0
Garden Grove					
Alternative Fuel Vehicle Rebate Program	\$21,304	\$0	\$0	\$0	\$0
TDM Services	\$58,147	\$0	\$0	\$0	\$0
Transit Subsidy (Metrolink & Bus)	\$4,992	\$0	\$0	\$0	\$0
Vanpool Program CNG	\$30,768	\$0	\$0	\$0	\$0
Vanpool Program Conventional Gasoline	\$56,329	\$0	\$0	\$0	\$0
Gardena					
CNG Station Expansion	\$25,426	\$0	\$0	\$0	\$0
Gardena Rule 2202 Compliance	\$43,634	\$0	\$0	\$0	\$0
Glendale					
Commute Program Outreach	\$29,930	\$0	\$0	\$0	\$0
Employer Based Trip Reduction Program	\$89,187	\$0	\$0	\$0	\$0
Transit Fare Subsidy	\$60,000	\$0	\$0	\$0	\$0
Transportation Management Agency Services	\$8,111	\$0	\$0	\$0	\$0
Glendora					
Altcom Program	\$13,476	\$0	\$0	\$0	\$0
Bicycle Rally	\$935	\$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
Hawthorne					
Financial Incentives for rideshare	\$2,630	\$0	\$0	\$0	\$0
PM10 Reduction Street Sweeping Project	\$100,000	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Hemet					
Particulate Trap for (1) Constr. Backhoe 1 of 2	\$17,646	\$0	\$0	\$0	\$0
Particulate Trap for (1) Constr. Backhoe 2 of 2	\$17,646	\$0	\$0	\$0	\$0
Purchase (1) 2017 Freightliner CNG Dump Truck 114SD	\$30,000	\$0	\$0	\$0	\$159,959
WRCOG Clean Cities Coalition	\$4,150	\$0	\$0	\$0	\$0
Hermosa Beach					
AQMD Incentives to reduce auto trips	\$6,525	\$0	\$0	\$0	\$0
Hidden Hills					
	\$0	\$0	\$0	\$0	\$0
Highland					
Class II Bike Lane Installation	\$317,023	\$317,023	\$0	\$0	\$0
Traffic Signal Synchronization	\$13,620	\$0	\$0	\$0	\$0
Huntington Beach					
4th of July/US Surf Open Shuttle	\$21,501	\$0	\$0	\$0	\$0
Employee Rideshare Activities	\$19,838	\$0	\$0	\$0	\$0
Peak Time Traffic Volume Monitoring	\$4,550	\$0	\$0	\$0	\$0
Rule 2202 Filing	\$1,057	\$0	\$0	\$0	\$0
Traffic Management Software Update	\$8,500	\$0	\$0	\$0	\$0
Huntington Park					
Electric Fiat 500 E leased Vehicle	\$5,766	\$0	\$0	\$0	\$0
Purchased Gator Electric Vehicle	\$10,144	\$0	\$0	\$0	\$0
Toyota Hybrid Leased Vehicle	\$21,945	\$0	\$0	\$0	\$0
Traffic Calming Activities - Pacific Blvd	\$341,699	\$0	\$0	\$0	\$0
Indian Wells					
Regional PM10 Street Sweeping Program	\$4,932	\$0	\$0	\$0	\$0
Indio					
Audit Expenses	\$2,006	\$0	\$0	\$0	\$0
EV Infrastructure	\$782	\$0	\$0	\$0	\$50,000
Regional PM 10 Street Sweeping Program	\$84,337	\$0	\$0	\$0	\$0
Inglewood					
Rule 2202 MSERC's Purchase Credits	\$12,209	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Irvine					
CNG Vehicles Conversion	\$197,840	\$0	\$0	\$0	\$0
Implementing Lights at San Diego Creek Trail	\$197,715	\$0	\$0	\$0	\$0
Irvine Spectrum TMA	\$3,756	\$0	\$0	\$0	\$0
Purchase Rule 2202 Credit	\$7,794	\$0	\$0	\$0	\$0
Security Service Provided by Irvine PS at Train Station	\$173,166	\$0	\$0	\$0	\$0
Irwindale					
Left Turn Phasing on Peck Rd & Longden	\$3,523	\$0	\$0	\$0	\$0
Jurupa Valley					
Contract Street Weeping	\$57,120	\$0	\$0	\$0	\$0
Infrastructure-Refueling (Compressed Natural Gas)	\$16,176	\$0	\$0	\$0	\$0
Purchase Hybrid Vehicle	\$48,281	\$0	\$0	\$0	\$0
La Canada Flintridge					
Electric Vehicle Charging Station	\$2,573	\$0	\$0	\$0	\$0
Hybrid Gas/Electric Vehicle Purchase	\$36,209	\$0	\$0	\$0	\$0
La Habra					
Shuttles to transport seniors	\$89,452	\$0	\$0	\$0	\$76,849
La Habra Heights					
	\$0	\$0	\$0	\$0	\$0
La Mirada					
Purchase 6 Ford Fusion S Hybrid 2.0 L IVCT 14HEV	\$144,889	\$0	\$0	\$0	\$0
La Palma					
	\$0	\$0	\$0	\$0	\$0
La Puente					
Purchase 1 2016 Toyota Rav4 XLE Hybrid	\$33,224	\$0	\$0	\$0	\$0
Purchase 1 2017 GEM ELXD Electric Cart	\$19,997	\$0	\$0	\$0	\$0
La Quinta					
Regional PM 10 Street Sweeping Program	\$38,288	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
La Verne					
Bike, Carpool, Walk, Incentive Program	\$12,205	\$0	\$0	\$0	\$0
Street Sweeper	\$65,000	\$0	\$0	\$0	\$0
Laguna Beach					
Free Main Line Service During Summer	\$26,410	\$0	\$0	\$0	\$0
Free Ride to Work Bus Pass Program	\$2,100	\$0	\$0	\$0	\$0
Laguna Hills					
	\$0	\$0	\$0	\$0	\$0
Laguna Niguel					
Traffic Signal Coordination	\$17,171	\$0	\$0	\$0	\$0
Laguna Woods					
	\$0	\$0	\$0	\$0	\$0
Lake Elsinore					
Citywide Dirt Road Paving Program	\$86,052	\$0	\$0	\$0	\$0
Clean Cities Coalition (WRCOG)	\$6,000	\$0	\$0	\$0	\$0
Lake Forest					
Alton Parkway Traffic Signal Synchronization	\$2,490	\$0	\$0	\$0	\$0
Bake Parkway Traffic Signal Synchronization Project	\$1,217	\$0	\$0	\$0	\$0
Barranca/Muirlands Traffic Signal Synchronization	\$4,434	\$0	\$0	\$0	\$0
Prof Serv-Traffic Engineer for Traffic Signal Monitoring	\$32,733	\$0	\$0	\$0	\$0
Signal Maintenance Centracs Software	\$6,922	\$0	\$0	\$0	\$0
Traffic Signal System Communications Enhancements	\$19,682	\$0	\$0	\$0	\$0
Lakewood					
91/605/405 COG Major Corridor Study	\$10,000	\$0	\$0	\$0	\$0
CNG Fuel Tank Upgrades	\$21,989	\$0	\$0	\$0	\$0
Lawndale					
Hybrid Vehicles	\$30,000	\$0	\$0	\$0	\$0
Loma Linda					
City Street Sweeping	\$19,200	\$0	\$0	\$0	\$0
Signal Coordination	\$27,110	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Lomita					
Installation of electric charging stations	\$17,657	\$0	\$0	\$0	\$0
Lease of Electric Golf to replace gas vehicle	\$3,220	\$0	\$0	\$0	\$0
Leasing alternative fuel street sweepers	\$15,000	\$0	\$0	\$0	\$0
Online Submittal System	\$5,000	\$0	\$0	\$0	\$0
Long Beach					
2016 Active Transportation Public Education Event	\$82,318	\$0	\$0	\$0	\$0
6th Street Traffic Calming	\$68,005	\$0	\$0	\$0	\$0
Bicycle - Fix It Stations	\$2,410	\$0	\$0	\$0	\$0
Bike Buoys	\$61,406	\$0	\$0	\$0	\$0
Bike Share Marketing	\$3	\$0	\$0	\$0	\$0
Bike Share Program	\$20,177	\$0	\$0	\$0	\$0
Class I Bicycle Path Gap Closure - Pier J Project	\$4,853	\$0	\$0	\$0	\$0
Class I Willow Bike Path to San Gabriel River	\$2,644	\$0	\$0	\$0	\$0
Class II Bike Lanes to LA River	\$92,174	\$0	\$0	\$0	\$0
Develop Gateway COG Transportation Plan	\$17,500	\$0	\$0	\$0	\$0
Protected Bike Lanes on 3rd and Broadway	\$38,180	\$0	\$0	\$0	\$0
Purchase of medium duty electric car	\$287,977	\$381,000	\$0	\$0	\$2,337,406
Rule 2202 Emissions Credit Purchase	\$35,353	\$0	\$0	\$0	\$0
Los Alamitos					
	\$0	\$0	\$0	\$0	\$0
Los Angeles (City)					
#1 Alt Fuel Purch-CNG Solid Waste Collection Vehicles	\$346,313	\$0	\$0	\$0	\$3,138,375
#2 Alt Fuel Purch-14 Peterbilt 365 Hvy-Haul Truck Tractors	\$346,313	\$0	\$0	\$0	\$3,362,525
Air Quality Education/Outreach Improvement Strategies	\$151,059	\$0	\$0	\$0	\$300,000
Alternative Commute/EV Car Sharing Program Development	\$112,253	\$0	\$0	\$0	\$9,600,000
Annual Audit	\$13,842	\$0	\$0	\$0	\$0
Bicycle Transit Incentive Program	\$8,786	\$0	\$0	\$0	\$0
Bike Repair Stations and Bicycle Parking	\$117,764	\$0	\$0	\$0	\$590,613
BOE Alt Fuel Infrastructure Eng Design & Tech Support	\$230,050	\$0	\$0	\$0	\$19,936
Employee Vanpool Program	\$260,917	\$0	\$0	\$0	\$602,435
Employer' Carpool Program	\$48,399	\$0	\$0	\$0	\$0
Employer's Rail and Bus Transit Incentive Program	\$225,970	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Los Angeles (City) (cont'd)					
Employer's Walk Incentive Program	\$8,786	\$0	\$0	\$0	\$0
EV Car Charging Stations at Citywide Locations	\$123,265	\$0	\$0	\$0	\$1,402,128
Green Taxi Program Development	\$105,960	\$0	\$0	\$0	\$0
Land Use	\$270,000	\$0	\$0	\$0	\$0
Scope of Work for Integrated Mobility Hubs	\$110,000	\$0	\$0	\$0	\$0
Seg 2 Westwood Bl from Pico Bl to Lindbrook Dr	\$64,831	\$0	\$0	\$0	\$69,343
Seg 3 Wilshire Bl from Beverly Glen Bl to Westwood Bl	\$44,572	\$0	\$0	\$0	\$47,673
Seg 4 Reseda Bl from San Fern Mission Bl to Parthenia St	\$121,559	\$0	\$0	\$0	\$130,017
Seg 5 Nordhoff St from Woodley Av to Tampa Av	\$158,027	\$0	\$0	\$0	\$169,023
Seg 6 Adams Bl from Figueroa St to Normandie Av	\$60,780	\$0	\$0	\$0	\$65,009
Seg 7 Vermont Bl from Imperial Hwy to 190th St	\$190,443	\$0	\$0	\$0	\$203,694
Seg 8 Vermont Av from Wilshire Bl to MLK Jr Bl	\$145,871	\$0	\$0	\$0	\$156,021
Seg 9 Whitsett Av from Chandler Bl to Oxnard Av	\$32,416	\$0	\$0	\$0	\$34,671
Seg1 Figueroa St between Imperial Hwy and 190th St	\$190,443	\$0	\$0	\$0	\$203,694
Seg10 Magnolia Bl from Leghorn Av to Bluebell Av	\$12,156	\$0	\$0	\$0	\$13,002
Traffic Calming	\$270,000	\$0	\$0	\$0	\$252,100
Trip Reduction Programs	\$160,296	\$0	\$0	\$0	\$0
Lynwood					
Charging Stations	\$21,896	\$0	\$0	\$0	\$0
Purchase of 6 Electric Vehicles (Nissan Leafs)	\$178,333	\$0	\$0	\$0	\$0
Malibu					
	\$0	\$0	\$0	\$0	\$0
Manhattan Beach					
Rideshare Program	\$11,880	\$0	\$0	\$0	\$0
Maywood					
Installation of a Charging Station for Electric Vehicles	\$33,559	\$0	\$0	\$0	\$0
Purchase of 4 New Electric Vehicles	\$97,688	\$0	\$0	\$0	\$0
Meniffee					
Alternative Fuel Vehicle Purchase	\$113,658	\$0	\$0	\$0	\$0
Mission Viejo					
City of Mission Viejo Traffic Signal Synchronization	\$4,738	\$0	\$0	\$0	\$0
City of Mission Viejo Air Quality Planning: FY16-17	\$36,488	\$0	\$0	\$0	\$0
Mission Viejo (MV) Shuttle: FY16-17	\$105,289	\$0	\$0	\$0	\$5,937

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Monrovia					
Monrovia Employee Ride Share	\$3,600	\$0	\$0	\$0	\$0
Monrovia Public Transportation Subsidy Program	\$9,732	\$0	\$0	\$0	\$0
Montclair					
Rideshare Program	\$25,776	\$0	\$0	\$0	\$0
Montebello					
Employee Commute Reduction Program	\$30,446	\$0	\$0	\$0	\$0
Monterey Park					
CNG Station Compression Services Tariff (CST) Agreement	\$71,200	\$0	\$0	\$0	\$104,228
Employee Transportation Program	\$25,000	\$0	\$0	\$0	\$0
Moreno Valley					
Street Sweeping Program	\$165,393	\$0	\$0	\$0	\$0
Traffic Signal Coordination Program	\$250	\$0	\$0	\$0	\$0
WRCOG - Clean Cities Coalition	\$15,000	\$0	\$0	\$0	\$0
Murrieta					
Purchase and install of electric charging station	\$13,917	\$0	\$0	\$0	\$7,500
Newport Beach					
Electric Vehicle Charging Stations	\$36,650	\$0	\$0	\$0	\$0
Employee Rideshare Program	\$8,989	\$0	\$0	\$0	\$0
Norco					
One 2017 Hybrid Nissan Rogue	\$24,953	\$0	\$0	\$0	\$0
One 2017 Hybrid Nissan Rogue	\$24,954	\$0	\$0	\$0	\$0
Norwalk					
Ab 2766 Audit Expenses	\$2,664	\$0	\$0	\$0	\$0
Cleaner Street Sweeping Contract	\$87,564	\$0	\$0	\$0	\$620,836
Transit Subsidy	\$26,000	\$0	\$0	\$0	\$0
Ontario					
Compressed Natural Gas - Slow Fill Posts	\$14,236	\$0	\$0	\$0	\$0
Electric Vehicle Charging Station	\$148,909	\$0	\$0	\$0	\$0
Purchase Emission Reduction Credits	\$15,334	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Orange (City)					
Bike Loan to Own Program	\$2,105	\$0	\$0	\$0	\$0
Community Services Electric Vehicle Initiative	\$17,074	\$0	\$0	\$0	\$0
Electric Car Charging Stations	\$2,541	\$0	\$0	\$0	\$0
Orange Police Bike Team	\$6,461	\$0	\$0	\$0	\$0
Trip Reduction Program	\$108,652	\$0	\$0	\$0	\$0
Palm Desert					
City Rideshare Program	\$1,576	\$0	\$0	\$0	\$0
Electric Vehicle DC Fast Charger Project	\$4,480	\$0	\$0	\$0	\$0
Regional PM10 Street Sweeping Program	\$47,250	\$0	\$0	\$0	\$0
Palm Springs					
Regional PM10 Street Sweeping Program	\$44,683	\$0	\$0	\$0	\$0
Palos Verdes Estates					
	\$0	\$0	\$0	\$0	\$0
Paramount					
	\$0	\$0	\$0	\$0	\$0
Pasadena					
Prideshare	\$151,630	\$0	\$0	\$0	\$0
Perris					
Purchase of 2017 Toyota Highlander Hybrid	\$110,308	\$0	\$0	\$0	\$0
Pico Rivera					
Development of Strategic Transportation Plans	\$10,600	\$0	\$0	\$0	\$0
Lease payments of (6) Hybrid Vehicles (2014 Toyota Prius C)	\$15,410	\$0	\$0	\$0	\$0
Placentia					
Kraemer Blvd Signal Sync.	\$3,751	\$0	\$0	\$0	\$0
Purchase of 10 Chevy Spark electric vehicles	\$50,620	\$0	\$0	\$0	\$0
Pomona					
Purchase of Emission Credits	\$8,680	\$0	\$0	\$0	\$0
Traffic Operations Communication Upgrade	\$69,050	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Rancho Cucamonga					
Employer Ride Share Program	\$16,574	\$0	\$0	\$0	\$0
Freeway and Arterial Signal Synchronization Project	\$12,000	\$0	\$0	\$0	\$0
Southwest Cucamonga Class I Bicycle Lanes Project	\$9,802	\$0	\$0	\$0	\$0
Rancho Mirage					
Regional PM10 Street Sweeping Program	\$17,306	\$0	\$0	\$0	\$0
Rancho Palos Verdes					
2017 Toyota Prius for CDD	\$22,708	\$0	\$0	\$0	\$0
Palos Verdes Peninsular Transit Authority Jt Powers Authority	\$54,963	\$0	\$0	\$0	\$0
Rancho Santa Margarita					
Antonio Parkway Signal & Equipment Upgrade	\$6,141	\$0	\$0	\$0	\$0
Install Speed Feedback Signs (3 Locations)	\$18,030	\$0	\$0	\$0	\$0
Santa Margarita Pkway Signal & Equipment Upgrade	\$1,273	\$0	\$0	\$0	\$0
Redlands					
Installation of Class II Bike Lanes	\$83,040	\$75,156	\$0	\$0	\$0
Partially fund 1 CNG Passenger Bus	\$56,960	\$0	\$0	\$0	\$35,604
Redondo Beach					
Employee Rideshare	\$59,854	\$0	\$0	\$0	\$0
Rialto					
Employee Rideshare Program	\$65,929	\$0	\$0	\$0	\$0
EV Charging stations at Riverside/Easton	\$16,389	\$0	\$0	\$0	\$0
Riverside (City)					
AQMD Rule 2202 Compliance	\$23,472	\$0	\$0	\$0	\$0
Bicycle Racks	\$2,319	\$0	\$0	\$0	\$0
City Pass Program	\$14,130	\$0	\$0	\$0	\$0
Clean Cities Coalition	\$25,000	\$0	\$0	\$0	\$0
Electric Vehicle Rebate Program	\$4,500	\$0	\$0	\$0	\$0
Employee Rideshare Program	\$1,200	\$0	\$0	\$0	\$0
ProjectDox	\$69,251	\$0	\$0	\$0	\$0
Riverside Go Transit Bus Pass Subsidy Program	\$72,880	\$0	\$0	\$0	\$0
Riverside Traffic Management Center	\$30,353	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Rolling Hills Estates					
	\$0	\$0	\$0	\$0	\$0
Rosemead					
	\$0	\$0	\$0	\$0	\$0
San Bernardino (City)					
Rideshare Program	\$21,876	\$0	\$0	\$0	\$0
San Clemente					
Downtown Bicycle Racks	\$39,865	\$0	\$0	\$0	\$0
Marblehead Coastal Sidewalk Improvements	\$100,000	\$0	\$0	\$0	\$0
San Clemente Summer Trolley	\$93,053	\$0	\$0	\$0	\$494,228
San Dimas					
	\$0	\$0	\$0	\$0	\$0
San Fernando					
CNG Ford F-250 Utility Truck Purchase	\$96,170	\$0	\$0	\$0	\$0
San Gabriel					
	\$0	\$0	\$0	\$0	\$0
San Jacinto					
Electric Golf Cart Purchase for Water Department	\$2,592	\$0	\$0	\$0	\$0
Purchase of Tier 4 Skip loader	\$105,458	\$0	\$0	\$0	\$0
WRCOG Clean Cities Coalition	\$6,000	\$0	\$0	\$0	\$0
San Juan Capistrano					
Countdown Pedestrian Signals Project	\$6,797	\$0	\$0	\$0	\$0
Neighborhood Traffic Calming Project	\$5,883	\$0	\$0	\$0	\$0
Regional Traffic Synchronization Program	\$28,414	\$0	\$0	\$0	\$0
Sr Nutritional Transportation Program	\$10,195	\$0	\$0	\$0	\$55,938
Trolley Program	\$15,600	\$0	\$0	\$0	\$33,050
San Marino					
	\$0	\$0	\$0	\$0	\$0
Santa Ana					
Blue Skies Ride share Program	\$133,996	\$0	\$0	\$0	\$0
Electric Vehicle Lease (2)	\$12,525	\$0	\$0	\$0	\$0
General Plan Circulation Element	\$3,265	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Santa Ana (cont'd)					
General Plan Land Use Designations	\$29,277	\$0	\$0	\$0	\$0
Metro East Mixed Use Overlay Plan	\$7,383	\$0	\$0	\$0	\$0
TOD Parking Guidelines	\$230	\$0	\$0	\$0	\$0
Santa Clarita					
Bike to work	\$2,809	\$0	\$0	\$0	\$0
Electric Vehicle Charging Station (R4004)	\$6,600	\$0	\$0	\$0	\$21,908
Green Guide	\$300	\$0	\$0	\$0	\$0
ITS Phase IV (I0009)	\$323,128	\$0	\$0	\$0	\$2,155,007
Promotion and Advertising	\$5,051	\$0	\$0	\$0	\$0
Rideshare	\$2,335	\$0	\$0	\$0	\$0
Vista Canyon Regional Transit Center (T3021)	\$67,435	\$0	\$0	\$0	\$150,097
Santa Fe Springs					
	\$0	\$0	\$0	\$0	\$0
Santa Monica					
Installation of EV Infrastructure	\$66,505	\$0	\$0	\$0	\$0
Purchase of (10) 2017 Nissan Leafs	\$54,875	\$0	\$0	\$0	\$221,707
Purchase of (5) Ford Focus Evs	\$10,950	\$0	\$0	\$0	\$130,534
Sponsorship of AltCar Expo	\$10,000	\$0	\$0	\$0	\$0
Seal Beach					
Senior Transportation Nutrition Shuttle	\$32,585	\$0	\$0	\$0	\$66,790
Sierra Madre					
	\$0	\$0	\$0	\$0	\$0
Signal Hill					
FY 16-17 I-710 Corridor EIR/ EIS	\$1,000	\$0	\$0	\$0	\$0
South El Monte					
Bus Pass Subsidy Program	\$6,646	\$0	\$0	\$0	\$0
Fuel Efficient Vehicle Purchase Program	\$82,218	\$0	\$0	\$0	\$0
South Gate					
Employee Rideshare Program	\$2,486	\$0	\$0	\$0	\$0
Purchase (1) John Deere Electric Gator Utility Vehicle	\$10,873	\$0	\$0	\$0	\$0
Purchase (1) Smithco Super Star Electric Utility Bunker Rack	\$18,846	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
South Pasadena					
Ford F250 Reg Cab CNG Svc Truck	\$40,231	\$0	\$0	\$0	\$0
Stanton					
Commute Incentive Program	\$380	\$0	\$0	\$0	\$0
Electric Charging Stations	\$22,113	\$0	\$0	\$0	\$0
Replacement of bus Shelters	\$54,945	\$0	\$0	\$0	\$0
Temecula					
Construct Park and Ride near Temecula Pkwy	\$232,112	\$0	\$0	\$0	\$0
Route 55 RTA Transit New Services	\$19,455	\$0	\$0	\$0	\$0
WRCOG Clean Cities California	\$10,000	\$0	\$0	\$0	\$0
Temple City					
Lease of Alternative Fuel Vehicles	\$20,020	\$0	\$0	\$0	\$0
Torrance					
Employee Rideshare	\$152,579	\$0	\$0	\$0	\$0
Tustin					
	\$0	\$0	\$0	\$0	\$0
Upland					
Rideshare Activities	\$13,128	\$0	\$0	\$0	\$0
Vehicle Purchase	\$49,075	\$0	\$0	\$0	\$0
Vehicle Purchase	\$32,531	\$0	\$0	\$0	\$0
Villa Park					
	\$0	\$0	\$0	\$0	\$0
Walnut					
Bus Pass Subsidies	\$8,093	\$0	\$0	\$0	\$0
Street Sweeping with CNG Sweeper	\$50,860	\$0	\$0	\$0	\$0
West Covina					
2 "Zero" Electric Motorcycles	\$36,745	\$0	\$0	\$0	\$0
Air Quality Investment Program (AQIP)	\$6,127	\$0	\$0	\$0	\$0
AQMD 2766 Annual Audit Fee	\$1,500	\$0	\$0	\$0	\$0
CNG Fuel Station	\$32,740	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
West Hollywood					
Alternative Transportation Mode Incentive	\$30,584	\$0	\$0	\$0	\$0
Bike Light Giveaway Events (2)	\$2,037	\$0	\$0	\$0	\$0
Bike Rack Installation	\$8,308	\$0	\$0	\$0	\$0
Citywide Bike Share Program	\$10,380	\$0	\$0	\$0	\$276,533
Westlake Village					
Bike purchase for Animal Control patrol	\$550	\$0	\$0	\$0	\$0
Lease of one Toyota Rav4 hybrid electric vehicle	\$1,919	\$0	\$0	\$0	\$0
Westminster					
Electrical charging stations	\$93,925	\$93,925	\$0	\$0	\$0
Employee Rideshare Program	\$9,169	\$0	\$0	\$0	\$0
Employee Vanpool Program	\$8,221	\$0	\$0	\$0	\$0
Project V - Pilot Shuttle Program	\$16,003	\$0	\$0	\$0	\$0
Whittier					
Dev. Gateway COG Strategic Transportation Plan	\$15,497	\$0	\$0	\$0	\$0
Employee-Based Trip Reduction	\$7,097	\$0	\$0	\$0	\$0
Rule 2202 Compliance - Emission Credits Purchased	\$12,600	\$0	\$0	\$0	\$0
Rule 2202 Filing Fees	\$555	\$0	\$0	\$0	\$0
Wildomar					
	\$0	\$0	\$0	\$0	\$0
Yorba Linda					
Bike Lane Enhancement Program	\$8,500	\$8,500	\$0	\$0	\$0
Purchase (1) Electric Vehicle in Replacement Program	\$10,641	\$0	\$0	\$0	\$0
Yucaipa					
Class II Bike Lane Construction Activities	\$43,511	\$0	\$0	\$0	\$0
Class II Bike Lane Construction Activities - Yucaipa Blvd.	\$141,122	\$0	\$0	\$0	\$0
Totals	\$17,655,513	\$1,060,854	\$0	\$0	\$38,406,633

Range of Cost-Effectiveness by Subcategory for Fiscal Year 2016 - 2017

	Lowest	Highest	Lowest	Highest
	(ROG + NO _x + PM _{2.5})		(ROG + NO _x + PM _{2.5} + CO/7)	
(1a) Alternative Fuel Vehicle Purchases	\$1.23	\$92,556.76	\$1.21	\$22,790.36
(1b) Alternative Fuel Vehicle Conversions	\$244,961.93	\$244,961.93	\$60,317.26	\$60,317.26
(1d) Electric Vehicle Purchases	\$11.04	\$134,148.03	\$5.86	\$38,555.61
(2a) Off Road Vehicle Cleaner Diesel Purchases, Repowers, & Retrofits	\$160.22	\$220.42	\$160.22	\$220.42
(4c) Transit Operations (new service, shuttles, fuel subsidies)	\$32.27	\$6,116.43	\$20.19	\$14,658.70
(4d) Passenger Fare Subsidies	\$10.58	\$1,169.82	\$6.61	\$726.79
(5a) Traffic Calming	\$44.25	\$44.25	\$42.32	\$42.32
(5b) Traffic Flow or Signalization (timing, surveillance)	\$0.41	\$479.33	\$0.34	\$419.41
(6a) Employer-Based Trip Reduction	\$1.75	\$885.62	\$1.08	\$550.21
(6b) Other Trip Reduction Incentive Programs	\$12.14	\$949.32	\$7.56	\$589.79
(6c) Vanpool Programs	\$38.10	\$1,097.66	\$32.68	\$1,019.06
(8a) Bicycle Lanes and Trails (also bridges)	\$8.27	\$20,254.57	\$5.20	\$12,721.93
(8c) Bicycle Usage (electric bikes, purchases, loaner projects)	\$51.48	\$1,206.10	\$32.23	\$431.31
(9a) Road Dust Control (paving roads, shoulders, street	\$1.37	\$200.21	\$1.37	\$200.19
(11a) Miscellaneous (use with "Miscellaneous Projects")	\$16.44	\$2,184.52	\$11.59	\$1,342.46

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

Average Cost-Effectiveness by Project

Fiscal Year 2016-2017

Project Category	Project Name	MV Fees	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					
La Verne	Street Sweeper	\$65,000	\$7,620	2,475	\$3.08
Fontana	AFV Rebate Program	\$500	\$71	2	\$37.92
Fontana	AFV Rebate Program	\$1,500	\$214	6	\$37.92
San Jacinto	Purchase of Tier 4 Skiploader	\$105,458	\$12,363	229	\$53.88
Culver City	Purchase of 18 CNG Transit Buses	\$110,000	\$11,051	9,116	\$1.21
Los Angeles (City)	#1 Alt Fuel Purch-CNG Solid Waste Collection Vehicles	\$346,313	\$40,598	3,027	\$13.41
Los Angeles (City)	#2 Alt Fuel Purch-14 Peterbilt 365 Hvy-Haul Truck Tractors	\$346,313	\$40,598	3,007	\$13.50
Arcadia	Vehicle Replacement - Public Works Vehicle	\$91,876	\$13,088	79	\$166.72
Huntington Park	Toyota Hybrid Leased Vehicle	\$21,945	\$3,126	13	\$249.63
Calabasas	Continues Lease of City Fleet (1)	\$23,074	\$2,318	5	\$468.59
Norwalk	Cleaner Street Sweeping Contract	\$87,564	\$90,191	1,310	\$68.84
Temple City	Lease of Alternative Fuel Vehicles	\$20,020	\$2,852	4	\$813.32
Alhambra	Purchase (1) 2017 Ford Fusion	\$33,257	\$4,738	5	\$945.75
Alhambra	Purchase of one 2017 Chevrolet Volt	\$34,942	\$4,978	5	\$993.67
South Pasadena	Ford F250 Reg Cab CNG Svc Truck	\$40,231	\$5,731	4	\$1,360.50
Redlands	Partially fund 1 CNG Passenger Bus	\$56,960	\$6,677	7	\$903.38
Calabasas	Continued Lease of City Fleet (2)	\$3,103	\$312	0	\$1,659.68
Azusa	Alternative Fuel Vehicle Purchase	\$47,406	\$9,074	5	\$1,716.56
Pico Rivera	Lease payments of (6) Hybrid Vehicles (2014 Toyota Prius C)	\$15,410	\$5,448	3	\$1,728.98
Westlake Village	Lease of one Toyota Rav4 hybrid electric vehicle	\$1,919	\$273	0	\$1,964.78
La Puente	Purchase 1 2016 Toyota Rav4 XLE Hybrid	\$33,224	\$3,895	2	\$2,073.35
Azusa	Alternative Fuel Street Sweeper Lease(s)	\$21,151	\$2,480	2	\$1,583.29
Upland	Vehicle Purchase	\$32,531	\$4,634	2	\$2,466.94
Garden Grove	Alternative Fuel Vehicle Rebate Program	\$21,304	\$21,943	9	\$2,519.25
Santa Monica	Purchase of (5) Ford Focus Evs	\$10,950	\$1,284	6	\$219.76
Cudahy	Hybrid Vehicle Lease	\$10,388	\$1,480	1	\$2,954.10
Baldwin Park	Hybrid Toyota Purchase	\$45,450	\$6,475	2	\$3,062.77
Downey	Purchase Replacement Vehicles	\$84,809	\$12,082	4	\$3,111.95
Jurupa Valley	Purchase Hybrid Vehicle	\$48,281	\$5,660	2	\$3,228.19

Project Category	Project Name	MV Fees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)	
(1a) Alternative Fuel Vehicle Purchases (cont'd)						
<i>Upland</i>	Vehicle Purchase	\$49,075	\$6,991	2	\$3,721.55	
<i>La Mirada</i>	Purchase 6 Ford Fusion S Hybrid 2.0 L IVCT 14HEV	\$144,889	\$20,640	5	\$4,578.10	
<i>Lawndale</i>	Hybrid Vehicles	\$30,000	\$4,274	1	\$4,875.02	
<i>Aliso Viejo</i>	3 alternative fuel vehicles	\$92,929	\$10,894	2	\$4,933.85	
<i>Perris</i>	Purchase of 2017 Toyota Highlander Hybrid	\$110,308	\$15,714	3	\$5,455.48	
<i>Arcadia</i>	Vehicle Replacement - Passenger Car	\$34,415	\$4,035	1	\$5,965.80	
<i>Hemet</i>	Purchase (1) 2017 Freightliner CNG Dump Truck 114SD	\$30,000	\$3,517	4	\$973.89	
<i>County of Orange</i>	Plug-in Hybrids for Motor Pool Green Fleet Plan	\$309,112	\$36,237	6	\$6,430.06	
<i>Norco</i>	One 2017 Hybrid Nissan Rogue	\$24,954	\$4,005	1	\$6,464.89	
<i>Baldwin Park</i>	Hybrid Ford Purchase	\$82,463	\$11,747	2	\$6,583.53	
<i>Norco</i>	One 2017 Hybrid Nissan Rogue	\$24,953	\$4,005	0	\$8,354.37	
<i>Rancho Palos Verdes</i>	2017 Toyota Prius for CDD	\$22,708	\$3,235	0	\$11,485.30	
<i>La Canada Flintridge</i>	Hybrid Gas/Electric Vehicle Purchase	\$36,209	\$4,245	0	\$12,105.09	
<i>Fullerton</i>	Lease of Pool Cars	\$14,536	\$14,973	1	\$12,110.49	
<i>Calimesa</i>	Alternative Fuel Vehicles	\$18,550	\$1,864	0	\$5,952.19	
<i>San Fernando</i>	CNG Ford F-250 Utility Truck Purchase	\$96,170	\$13,700	1	\$22,790.36	
<i>Santa Monica</i>	Purchase of (10) 2017 Nissan Leafs	\$54,875	\$6,433	1	\$10,907.67	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$2,937,025	\$487,763	19,360	\$25.19
(1b) Alternative Fuel Vehicle Conversions						
<i>Irvine</i>		CNG Vehicles Conversion	\$197,840	\$28,184	0	\$60,317.26
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$197,840	\$28,184	0	\$60,317.26
(1d) Electric Vehicle Purchases						
<i>Riverside (City)</i>	Electric Vehicle Rebate Program	\$4,500	\$528	90	\$5.86	
<i>County of Orange</i>	Electric forklift Replacement Program, Purchase-One Unit	\$33,320	\$3,906	354	\$11.04	
<i>County of Orange</i>	Electric Forklift Replacement Program, Purchase 1 Unit	\$42,570	\$4,991	322	\$15.48	
<i>Huntington Park</i>	Electric Fiat 500 E leased Vehicle	\$5,766	\$676	22	\$30.37	
<i>San Jacinto</i>	Electric Golf Cart Purchase for Water Department	\$2,592	\$304	8	\$38.05	
<i>Huntington Park</i>	Purchased Gator Electric Vehicle	\$10,144	\$1,445	19	\$74.98	
<i>Lomita</i>	Lease of Electric Golf to replace gas vehicle	\$3,220	\$377	4	\$88.48	
<i>Orange (City)</i>	Community Services Electric Vehicle Initiative	\$17,074	\$2,002	19	\$108.10	
<i>Placentia</i>	Purchase of 10 Chevy Spark electric vehicles	\$50,620	\$5,934	51	\$116.35	

Project Category	Project Name	MV Fees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)	
(1d) Electric Vehicle Purchases (cont'd)						
Yorba Linda	Purchase (1) Electric Vehicle in Replacement Program	\$10,641	\$1,247	2	\$672.62	
South Gate	Purchase (1) John Deere Electric Gator Utility Vehicle	\$10,873	\$11,199	14	\$786.34	
Santa Ana	Electric Vehicle Lease (2)	\$12,525	\$12,901	8	\$1,531.68	
Coachella	Electric Vehicle Purchase	\$21,392	\$2,508	1	\$1,690.23	
La Puente	Purchase 1 2017 GEM ELXD Electric Cart	\$19,997	\$2,344	1	\$2,526.69	
South Gate	Purchase (1) Smithco Super Star Electric Utility Bunker Rack	\$18,846	\$19,411	6	\$3,042.01	
Maywood	Purchase of 4 New Electric Vehicles	\$97,688	\$11,452	2	\$4,677.90	
Long Beach	Purchase of medium duty electric car	\$287,977	\$78,425	64	\$1,226.75	
Aliso Viejo	1 electric vehicle	\$15,893	\$2,264	0	\$6,088.60	
Lynwood	Purchase of 6 Electric Vehicles (Nissan Leafs)	\$178,333	\$20,906	1	\$23,631.85	
Brea	Police Electric Vehicle for Trail Patrol	\$20,768	\$2,435	0	\$26,254.49	
Brea	Public Works Electric Vehicle for Trail Maintenance	\$17,794	\$1,788	0	\$38,555.61	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$882,532	\$187,042	991	\$188.82
		Category Summary	\$4,017,397	\$702,988	20,351	\$34.54
(2) Vehicle Emissions Abatement						
(2a) Off Road Vehicle Cleaner Diesel Purchases, Repowers, & Retrofits						
Hemet	Particulate Trap for (1) Constr. Backhoe 2 of 2	\$17,646	\$2,069	13	\$160.22	
Hemet	Particulate Trap for (1) Constr. Backhoe 1 of 2	\$17,646	\$2,069	9	\$220.42	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$35,292	\$4,137	22	\$185.56
		Category Summary	\$35,292	\$4,137	22	\$185.56
(4) Public Transportation (Transit & Rail)						
(4c) Transit Operations (new service, shuttles, fuel subsidies)						
Rancho Palos Verdes	Palos Verdes Peninsula Transit Authority Jt Powers Authority	\$54,963	\$56,612	2,803	\$20.19	
Temecula	Route 55 RTA Transit New Services	\$19,455	\$4,248	51	\$83.85	
Grand Terrace	Senior Transportation Program	\$5,000	\$5,150	24	\$217.02	
San Clemente	San Clemente Summer Trolley	\$93,053	\$95,845	408	\$234.85	
Huntington Beach	4th of July/US Surf Open Shuttle	\$21,501	\$22,146	11	\$2,097.87	
Anaheim	ART Shuttle - Route 17	\$30,203	\$31,110	12	\$2,552.67	
Seal Beach	Senior Transportation Nutrition Shuttle	\$32,585	\$33,563	26	\$1,299.67	
San Juan Capistrano	Trolley Program	\$15,600	\$16,067	7	\$2,316.31	

Project Category	Project Name	MV Fees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)
(4) Public Transportation (Transit & Rail)					
(4c) Transit Operations (new service, shuttles, fuel subsidies) (cont'd)					
<i>La Habra</i>	Shuttles to transport seniors	\$89,452	\$92,136	18	\$5,199.66
<i>Mission Viejo</i>	Mission Viejo (MV) Shuttle: FY16-17	\$105,289	\$108,448	7	\$14,658.70
Subcategory Totals and Average cost-effectiveness**:		\$467,101	\$465,323	3,366	\$138.22
(4d) Passenger Fare Subsidies					
<i>Riverside (City)</i>	Riverside Go Transit Bus Pass Subsidy Program	\$72,880	\$75,066	11,350	\$6.61
<i>South El Monte</i>	Bus Pass Subsidy Program	\$6,646	\$6,845	302	\$22.64
<i>Walnut</i>	Bus Pass Subsidies	\$8,093	\$8,336	179	\$46.63
<i>Garden Grove</i>	Transit Subsidy (Metrolink & Bus)	\$4,992	\$5,142	98	\$52.57
<i>Riverside (City)</i>	City Pass Program	\$14,130	\$14,554	255	\$57.18
<i>Azusa</i>	Transit Pass Subsidy	\$8,427	\$8,680	89	\$97.24
<i>Corona</i>	Corona Cruiser Fare Subsidy	\$23,345	\$24,045	237	\$101.53
<i>Glendale</i>	Transit Fare Subsidy	\$60,000	\$61,800	556	\$111.25
<i>Laguna Beach</i>	Free Main Line Service During Summer	\$26,410	\$27,202	230	\$118.13
<i>Laguna Beach</i>	Free Ride to Work Bus Pass Program	\$2,100	\$2,163	16	\$132.74
<i>Anaheim</i>	METROLINK & OCTA Transit Subsidies	\$111,491	\$114,836	950	\$120.93
<i>Norwalk</i>	Transit Subsidy	\$26,000	\$26,780	152	\$175.97
<i>Covina</i>	Commuter Choice Reimbursement Program	\$1,046	\$1,077	5	\$205.23
<i>Burbank</i>	Employee Transit Subsidies	\$24,703	\$25,444	108	\$235.04
<i>Monrovia</i>	Monrovia Public Transportation Subsidy Program	\$9,732	\$10,024	24	\$409.97
<i>Compton</i>	Employee Transit Subsidies	\$39,534	\$40,720	56	\$726.79
Subcategory Totals and Average cost-effectiveness**:		\$439,529	\$452,715	14,607	\$30.99
		Category Summary	\$906,630	\$918,038	17,974
		Category Summary			\$51.08
(5) Traffic Management					
(5a) Traffic Calming					
<i>San Juan Capistrano</i>	Neighborhood Traffic Calming Project	\$5,883	\$2,080	49	\$42.32
Subcategory Totals and Average cost-effectiveness**:		\$5,883	\$2,080	49	\$42.32
(5b) Traffic Flow or Signalization (timing, surveillance)					
<i>Placentia</i>	Kraemer Blvd Signal Sync.	\$3,751	\$819	2,412	\$0.34
<i>Lake Forest</i>	Bake Parkway Traffic Signal Synchronization Project	\$1,217	\$1,254	3,033	\$0.41
<i>Lake Forest</i>	Barranca/Muirlands Traffic Signal Synchronization	\$4,434	\$4,567	7,261	\$0.63
<i>Mission Viejo</i>	City of Mission Viejo Traffic Signal Synchronization	\$4,738	\$1,675	2,002	\$0.84

Project Category	Project Name	MV Fees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)	
(5b) Traffic Flow or Signalization (timing, surveillance) (cont'd)						
<i>Costa Mesa</i>	17th. St. Signal Synchronization Project	\$633	\$652	291	\$2.24	
<i>Laguna Niguel</i>	Traffic Signal Coordination	\$17,171	\$17,686	5,983	\$2.96	
<i>Anaheim</i>	Traffic Signal Synchronization	\$158,739	\$34,661	9,854	\$3.52	
<i>Costa Mesa</i>	Fairview Rd. Traffic Signal Synchronization Project	\$5,101	\$5,254	478	\$11.00	
<i>Costa Mesa</i>	Baker St./Placentia Ave. Traffic Signal Sync Project	\$11,461	\$11,805	929	\$12.71	
<i>San Juan Capistrano</i>	Regional Traffic Synchronization Program	\$28,414	\$29,266	1,783	\$16.41	
<i>Irwindale</i>	Left Turn Phasing on Peck Rd & Longden	\$3,523	\$3,629	214	\$16.99	
<i>Highland</i>	Traffic Signal Synchronization	\$13,620	\$14,029	282	\$49.75	
<i>Riverside (City)</i>	Riverside Traffic Management Center	\$30,353	\$6,628	110	\$60.52	
<i>Los Angeles (City)</i>	Seg 8 Vermont Av from Wilshire Bl to MLK Jr Bl	\$145,871	\$31,852	863	\$36.89	
<i>Los Angeles (City)</i>	Seg 9 Whitsett Av from Chandler Bl to Oxnard Av	\$32,416	\$7,078	82	\$86.36	
<i>Los Angeles (City)</i>	Seg 2 Westwood Bl from Pico Bl to Lindbrook Dr	\$64,831	\$14,156	150	\$94.57	
<i>Los Angeles (City)</i>	Seg 10 Magnolia Bl from Leghorn Av to Bluebell Av	\$12,156	\$2,654	26	\$103.46	
<i>Artesia</i>	Pre-Emption Replacement	\$17,397	\$3,799	17	\$224.08	
<i>Santa Clarita</i>	ITS Phase IV (I0009)	\$323,128	\$70,556	1,858	\$37.97	
<i>Los Angeles (City)</i>	Seg1 Figueroa St between Imperial Hwy and 190th St	\$190,443	\$41,584	266	\$156.39	
<i>Costa Mesa</i>	Sunflower Ave. & Anton Blvd. Signal Improvements	\$13,454	\$13,857	33	\$419.41	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$1,082,851	\$317,461	37,926	\$8.37
		Category Summary	\$1,088,734	\$319,541	37,975	\$8.41
(6) Transportation Demand Management						
(6a) Employer-Based Trip Reduction						
<i>Bell Gardens</i>	Employee Rideshare Subsidies	\$617	\$636	586	\$1.08	
<i>Los Angeles (City)</i>	Employer's Rail and Bus Transit Incentive Program	\$225,970	\$232,750	25,070	\$9.28	
<i>Glendale</i>	Employer Based Trip Reduction Program	\$89,187	\$91,863	8,911	\$10.31	
<i>County of Orange</i>	Employee Rideshare Program	\$35,000	\$36,050	17,185	\$2.10	
<i>Los Angeles (City)</i>	Employer' Carpool Program	\$48,399	\$49,851	3,969	\$12.56	
<i>Riverside (City)</i>	Employee Rideshare Program	\$1,200	\$1,236	89	\$13.95	
<i>Baldwin Park</i>	Employee Trip Reduction Incentive Programs	\$1,910	\$1,967	127	\$15.50	
<i>County of LA</i>	Employee Commute Reduction Program	\$680,485	\$700,900	44,680	\$15.69	
<i>Los Angeles (City)</i>	Employer's Walk Incentive Program	\$8,786	\$9,049	540	\$16.75	
<i>County of Riverside</i>	Commuter Services Rideshare Program	\$197,712	\$203,643	11,875	\$17.15	
<i>Los Angeles (City)</i>	Bicycle Transit Incentive Program	\$8,786	\$9,049	389	\$23.24	

Project Category	Project Name	MV Fees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)
(6) Transportation Demand Management					
(6a) Employer-Based Trip Reduction (cont'd)					
<i>Anaheim</i>	Trip Reduction Program	\$74,473	\$76,707	3,447	\$22.25
<i>Santa Clarita</i>	Rideshare	\$2,335	\$2,405	90	\$26.66
<i>Westminster</i>	Employee Rideshare Program	\$9,169	\$9,444	294	\$32.08
<i>Fontana</i>	Rideshare Activities	\$11,981	\$12,340	377	\$32.70
<i>County of San Bernardino</i>	Employee Commute Reduction Program	\$200,568	\$206,585	5,972	\$34.59
<i>Monrovia</i>	Monrovia Employee Ride Share	\$3,600	\$3,708	101	\$36.70
<i>Torrance</i>	Employee Rideshare	\$152,579	\$157,156	3,996	\$39.33
<i>South Gate</i>	Employee Rideshare Program	\$2,486	\$2,561	57	\$44.94
<i>Commerce</i>	Employer Based Trip Reduction	\$16,763	\$17,266	377	\$45.80
<i>Newport Beach</i>	Employee Rideshare Program	\$8,989	\$9,259	197	\$47.11
<i>Pasadena</i>	Prideshare	\$151,630	\$156,179	3,039	\$51.40
<i>Huntington Beach</i>	Employee Rideshare Activities	\$19,838	\$20,433	359	\$56.92
<i>Montebello</i>	Employee Commute Reduction Program	\$30,446	\$31,359	536	\$58.55
<i>Redondo Beach</i>	Employee Rideshare	\$59,854	\$61,650	967	\$63.75
<i>Glendora</i>	Altcom Program	\$13,476	\$13,881	214	\$64.96
<i>Palm Desert</i>	City Rideshare Program	\$1,576	\$1,623	24	\$67.78
<i>Azusa</i>	Rideshare Financial Incentives	\$10,314	\$10,623	157	\$67.80
<i>Hawthorne</i>	Financial Incentives for rideshare	\$2,630	\$2,709	33	\$81.50
<i>Orange (City)</i>	Trip Reduction Program	\$108,652	\$111,912	1,329	\$84.18
<i>Burbank</i>	Employee Rideshare Subsidies	\$39,745	\$40,937	437	\$93.72
<i>Cerritos</i>	Employee Rideshare Trip Rebate Program	\$24,128	\$24,851	262	\$94.82
<i>Compton</i>	Employee Trip Reduction Program	\$27,122	\$27,935	287	\$97.41
<i>Rialto</i>	Employee Rideshare Program	\$65,929	\$67,907	579	\$117.23
<i>Stanton</i>	Commute Incentive Program	\$380	\$391	3	\$137.39
<i>Manhattan Beach</i>	Rideshare Program	\$11,880	\$12,236	85	\$143.17
<i>Monterey Park</i>	Employee Transportation Program	\$25,000	\$25,750	169	\$152.34
<i>Claremont</i>	Employees Using Public Transportation (6 Employees)	\$3,010	\$3,100	20	\$154.42
<i>Carson</i>	Employee Carpool Program	\$19,080	\$19,652	122	\$161.68
<i>West Hollywood</i>	Alternative Transportation Mode Incentive	\$30,584	\$31,502	192	\$164.22
<i>San Bernardino (City)</i>	Rideshare Program	\$21,876	\$22,533	133	\$169.49

Project Category	Project Name	MV Fees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)	
(6a) Employer-Based Trip Reduction (cont'd)						
<i>Upland</i>	Rideshare Activities	\$13,128	\$13,522	73	\$184.93	
<i>Whittier</i>	Employee-Based Trip Reduction	\$7,097	\$7,310	37	\$199.56	
<i>Garden Grove</i>	TDM Services	\$58,147	\$59,892	296	\$202.15	
<i>El Monte</i>	Monthly Rideshare Incentive	\$48,652	\$50,111	235	\$213.50	
<i>Montclair</i>	Rideshare Program	\$25,776	\$26,550	122	\$218.42	
<i>La Verne</i>	Bike, Carpool, Walk, Incentive Program	\$12,205	\$12,571	55	\$228.24	
<i>Arcadia</i>	Rideshare Plus Program	\$22,444	\$23,117	90	\$257.44	
<i>Santa Ana</i>	Blue Skies Ride share Program	\$133,996	\$138,016	483	\$285.58	
<i>Rancho Cucamonga</i>	Employer Ride Share Program	\$16,574	\$17,072	58	\$295.10	
<i>Downey</i>	Downey Employee "Thumbs Up" Commuting Program	\$121,239	\$124,876	227	\$550.21	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$2,907,404	\$2,994,626	138,951	\$21.55
(6b) Other Trip Reduction Incentive Programs						
<i>Carson</i>	Carpool Program for Community Event	\$9,935	\$10,233	1,280	\$7.99	
<i>San Juan Capistrano</i>	Sr Nutritional Transportation Program	\$10,195	\$10,501	1,389	\$7.56	
<i>Hermosa Beach</i>	AQMD Incentives to reduce auto trips	\$6,525	\$6,721	11	\$589.79	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$26,655	\$27,455	2,680	\$10.24
(6c) Vanpool Programs						
<i>County of San Bernardino</i>	Vanpool Subsidy Program	\$20,480	\$21,094	496	\$42.57	
<i>Los Angeles (City)</i>	Employee Vanpool Program	\$260,917	\$268,744	8,223	\$32.68	
<i>Anaheim</i>	Citywide Vanpool Program	\$92,116	\$94,879	499	\$190.10	
<i>Westminster</i>	Employee Vanpool Program	\$8,221	\$8,468	33	\$256.60	
<i>Garden Grove</i>	Vanpool Program Conventional Gasoline	\$56,329	\$58,019	105	\$553.89	
<i>Garden Grove</i>	Vanpool Program CNG	\$30,768	\$31,691	31	\$1,019.06	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$468,830	\$482,895	9,387	\$51.45
		Category Summary	\$3,402,890	\$3,504,976	151,018	\$23.21

Project Category	Project Name	MV Fees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)	
(8) Bicycles						
(8a) Bicycle Lanes and Trails (also bridges)						
Long Beach	Class I Willow Bike Path to San Gabriel River	\$2,644	\$178	34	\$5.20	
Long Beach	Class II Bike Lanes to LA River	\$92,174	\$7,721	134	\$57.47	
Yorba Linda	Bike Lane Enhancement Program	\$8,500	\$1,143	17	\$68.35	
Redlands	Installation of Class II Bike Lanes	\$83,040	\$13,252	189	\$70.01	
Long Beach	Protected Bike Lanes on 3rd and Broadway	\$38,180	\$3,198	13	\$240.94	
Yucaipa	Class II Bike Lane Construction Activities - Yucaipa Blvd.	\$141,122	\$11,821	44	\$269.60	
Yucaipa	Class II Bike Lane Construction Activities	\$43,511	\$3,645	7	\$535.98	
Highland	Class II Bike Lane Installation	\$317,023	\$53,112	6	\$9,470.35	
Long Beach	Class I Bicycle Path Gap Closure - Pier J Project	\$4,853	\$326	0	\$12,721.93	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$731,046	\$94,395	444	\$212.57
(8c) Bicycle Usage (electric bikes, purchases, loaner projects)						
Santa Clarita	Bike to work	\$2,809	\$2,893	90	\$32.23	
Orange (City)	Bike Loan to Own Program	\$2,105	\$2,168	15	\$146.37	
Westlake Village	Bike purchase for Animal Control patrol	\$550	\$102	1	\$201.25	
Long Beach	Bike Share Program	\$20,177	\$20,782	55	\$376.82	
Orange (City)	Orange Police Bike Team	\$6,461	\$6,655	15	\$431.31	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$32,102	\$32,600	176	\$185.57
		Category Summary	\$763,149	\$126,996	620	\$204.91
(9) PM Reduction Strategies						
(9a) Road Dust Control (paving roads, shoulders, street sweeping)						
El Monte	Regional PM10 Street Sweeper Contract (2 Vehicles)	\$43,066	\$5,049	3,689	\$1.37	
Colton	Lease of a CNG Street Sweeper	\$41,986	\$4,922	1,112	\$4.43	
Walnut	Street Sweeping with CNG Sweeper	\$50,860	\$5,962	973	\$6.13	
Lomita	Leasing alternative fuel street sweepers	\$15,000	\$1,758	264	\$6.66	
Moreno Valley	Street Sweeping Program	\$165,393	\$19,389	1,581	\$12.26	
Loma Linda	City Street Sweeping	\$19,200	\$2,251	79	\$28.34	
Hawthorne	PM10 Reduction Street Sweeping Project	\$100,000	\$103,000	3,221	\$31.98	
Jurupa Valley	Contract Street Weeping	\$57,120	\$58,834	885	\$66.48	
Indian Wells	Regional PM10 Street Sweeping Program	\$4,932	\$5,080	37	\$138.97	
Palm Desert	Regional PM10 Street Sweeping Program	\$47,250	\$48,668	325	\$149.78	
Indio	Regional PM 10 StreetSweeping Program	\$84,337	\$86,867	580	\$149.83	
La Quinta	Regional PM 10 Street Sweeping Program	\$38,288	\$39,437	263	\$149.95	

Project Category	Project Name	MV Fees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)	
(9a) Road Dust Control (paving roads, shoulders, street sweeping) (cont'd)						
<i>County of Riverside</i>	Regional PM10 Street Sweeping Program	\$47,768	\$49,201	328	\$150.12	
<i>Desert Hot Springs</i>	Regional PM10 Street Sweeping Program	\$27,821	\$28,655	191	\$150.25	
<i>Cathedral City</i>	Regional PM10 Street Sweeping Program	\$51,968	\$53,527	356	\$150.30	
<i>Palm Springs</i>	Regional PM10 Street Sweeping Program	\$44,683	\$46,023	306	\$150.63	
<i>Rancho Mirage</i>	Regional PM10 Street Sweeping Program	\$17,306	\$17,825	118	\$151.56	
<i>Coachella</i>	Regional PM10 Street Sweeping Program	\$57,985	\$59,724	298	\$200.19	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$914,962	\$636,172	14,604	\$43.56
		Category Summary	\$914,962	\$636,172	14,604	\$43.56
(11) Miscellaneous Projects						
(11a) Miscellaneous (use with "Miscellaneous Projects" Category)						
<i>Irvine</i>	Purchase Rule 2202 Credit	\$7,794	\$8,028	692	\$11.59	
<i>West Covina</i>	Air Quaility Investment Program (AQIP)	\$6,127	\$6,311	522	\$12.09	
<i>Riverside (City)</i>	AQMD Rule 2202 Compliance	\$23,472	\$24,176	1,857	\$13.02	
<i>Pomona</i>	Purchase of Emission Credits	\$8,680	\$8,940	678	\$13.19	
<i>Long Beach</i>	Rule 2202 Emissions Credit Purchase	\$35,353	\$36,414	2,445	\$14.89	
<i>County of Riverside</i>	Purchase of Mobile Source Emission Reduction Credits	\$273,287	\$281,486	17,126	\$16.44	
<i>Fullerton</i>	Rule 2202 Emission Credits	\$21,571	\$22,218	1,174	\$18.93	
<i>Whittier</i>	Rule 2202 Compliance - Emission Credits Purchased	\$12,600	\$12,978	501	\$25.90	
<i>Los Angeles (City)</i>	Green Taxi Program Development	\$105,960	\$109,139	203	\$537.93	
<i>Riverside (City)</i>	ProjectDox	\$69,251	\$71,329	53	\$1,342.46	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$564,096	\$581,019	25,251	\$23.01
		Category Summary	\$564,096	\$581,019	25,251	\$23.01
		Program Summary	\$11,693,149	\$6,793,868	267,815	\$25.37

*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 2016-2017

Project Category	Project Name	Cost-Effectiveness (\$/lb) *Based on ROG+NO _x +PM _{2.5}		Cost-Effectiveness (\$/lb) Based on ROG+NO _x +PM _{2.5} +CO/7	
		Air Funds	ALL Funds	Air Funds	ALL Funds
(1) Alternative Fuels/Electric Vehicles					
<i>Alhambra</i>	Purchase (1) 2017 Ford Fusion	\$3,840.90	\$3,840.90	\$945.75	\$945.75
<i>Alhambra</i>	Purchase of one 2017 Chevrolet Volt	\$4,035.50	\$4,035.50	\$993.67	\$993.67
<i>Aliso Viejo</i>	1 electric vehicle	\$21,184.29	\$21,184.29	\$6,088.60	\$6,088.60
<i>Aliso Viejo</i>	3 alternative fuel vehicles	\$20,037.47	\$20,037.47	\$4,933.85	\$4,933.85
<i>Arcadia</i>	Vehicle Replacement - Passenger Car	\$24,228.44	\$24,228.44	\$5,965.80	\$5,965.80
<i>Arcadia</i>	Vehicle Replacement - Public Works Vehicle	\$168.82	\$168.82	\$166.72	\$166.72
<i>Azusa</i>	Alternative Fuel Vehicle Purchase	\$1,716.56	\$1,716.56	\$1,716.56	\$1,716.56
<i>Azusa</i>	Alternative Fuel Street Sweeper Lease(s)	\$1,584.33	\$2,112.48	\$1,583.29	\$2,111.09
<i>Baldwin Park</i>	Hybrid Toyota Purchase	\$12,438.59	\$12,438.59	\$3,062.77	\$3,062.77
<i>Baldwin Park</i>	Hybrid Ford Purchase	\$26,737.17	\$26,737.17	\$6,583.53	\$6,583.53
<i>Brea</i>	Public Works Electric Vehicle for Trail	\$134,148.03	\$134,148.03	\$38,555.61	\$38,555.61
<i>Brea</i>	Police Electric Vehicle for Trail Patrol	\$91,348.28	\$91,348.28	\$26,254.49	\$26,254.49
<i>Calabasas</i>	Continued Lease of City Fleet (2)	\$6,740.34	\$6,740.34	\$1,659.68	\$1,659.68
<i>Calabasas</i>	Continues Lease of City Fleet (1)	\$1,903.04	\$1,903.04	\$468.59	\$468.59
<i>Calimesa</i>	Alternative Fuel Vehicles	\$24,173.19	\$71,316.77	\$5,952.19	\$17,560.41
<i>Coachella</i>	Electric Vehicle Purchase	\$5,880.88	\$5,880.88	\$1,690.23	\$1,690.23
<i>County of Orange</i>	Electric forklift Replacement Program	\$11.04	\$11.04	\$11.04	\$11.04
<i>County of Orange</i>	Electric Forklift Replacement Program	\$15.48	\$15.48	\$15.48	\$15.48
<i>County of Orange</i>	Plug-in Hybrids for Motor Pool Green Fleet	\$26,113.90	\$26,113.90	\$6,430.06	\$6,430.06
<i>Cudahy</i>	Hybrid Vehicle Lease	\$11,997.25	\$11,997.25	\$2,954.10	\$2,954.10
<i>Culver City</i>	Purchase of 18 CNG Transit Buses	\$1.23	\$121.35	\$1.21	\$119.84
<i>Downey</i>	Purchase Replacement Vehicles	\$12,638.34	\$12,638.34	\$3,111.95	\$3,111.95
<i>Fontana</i>	AFV Rebate Program	\$153.99	\$153.99	\$37.92	\$37.92
<i>Fontana</i>	AFV Rebate Program	\$153.99	\$153.99	\$37.92	\$37.92
<i>Fullerton</i>	Lease of Pool Cars	\$49,183.43	\$49,183.43	\$12,110.49	\$12,110.49
<i>Garden Grove</i>	Alternative Fuel Vehicle Rebate Program	\$10,231.26	\$10,231.26	\$2,519.25	\$2,519.25
<i>Hemet</i>	Purchase (1) 2017 Freightliner CNG Dump	\$1,020.11	\$6,459.32	\$973.89	\$6,166.64
<i>Huntington Park</i>	Toyota Hybrid Leased Vehicle	\$1,013.78	\$1,013.78	\$249.63	\$249.63
<i>Huntington Park</i>	Purchased Gator Electric Vehicle	\$74.98	\$74.98	\$74.98	\$74.98
<i>Huntington Park</i>	Electric Fiat 500 E leased Vehicle	\$105.68	\$105.68	\$30.37	\$30.37
<i>Irvine</i>	CNG Vehicles Conversion	\$244,961.93	\$244,961.93	\$60,317.26	\$60,317.26

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 (cont'd)					
<i>Jurupa Valley</i>	Purchase Hybrid Vehicle	\$13,110.42	\$13,110.42	\$3,228.19	\$3,228.19
<i>La Canada Flintridge</i>	Hybrid Gas/Electric Vehicle Purchase	\$49,161.50	\$49,161.50	\$12,105.09	\$12,105.09
<i>La Mirada</i>	Purchase 6 Ford Fusion S Hybrid 2.0 L IVCT	\$18,592.71	\$18,592.71	\$4,578.10	\$4,578.10
<i>La Puente</i>	Purchase 1 2016 Toyota Rav4 XLE Hybrid	\$8,420.33	\$8,420.33	\$2,073.35	\$2,073.35
<i>La Puente</i>	Purchase 1 2017 GEM ELXD Electric Cart	\$2,526.69	\$2,526.69	\$2,526.69	\$2,526.69
<i>La Verne</i>	Street Sweeper	\$3.09	\$3.09	\$3.08	\$3.08
<i>Lawndale</i>	Hybrid Vehicles	\$19,798.53	\$19,798.53	\$4,875.02	\$4,875.02
<i>Lomita</i>	Lease of Electric Golf to replace gas vehicle	\$307.86	\$307.86	\$88.48	\$88.48
<i>Long Beach</i>	Purchase of medium duty electric car	\$4,982.10	\$22,389.58	\$1,226.75	\$5,513.01
<i>Los Angeles (City)</i>	#1 Alt Fuel Purch-CNG Solid Waste	\$13.48	\$135.66	\$13.41	\$134.94
<i>Los Angeles (City)</i>	#2 Alt Fuel Purch-14 Peterbilt 365 Hvy-Haul	\$13.57	\$145.34	\$13.50	\$144.57
<i>Lynwood</i>	Purchase of 6 Electric Vehicles (Nissan)	\$82,223.22	\$82,223.22	\$23,631.85	\$23,631.85
<i>Maywood</i>	Purchase of 4 New Electric Vehicles	\$16,275.99	\$16,275.99	\$4,677.90	\$4,677.90
<i>Norco</i>	One 2017 Hybrid Nissan Rogue	\$33,928.99	\$33,928.99	\$8,354.37	\$8,354.37
<i>Norco</i>	One 2017 Hybrid Nissan Rogue	\$26,255.38	\$26,255.38	\$6,464.89	\$6,464.89
<i>Norwalk</i>	Cleaner Street Sweeping Contract	\$68.93	\$557.66	\$68.84	\$556.90
<i>Orange (City)</i>	Community Services Electric Vehicle	\$302.30	\$302.30	\$108.10	\$108.10
<i>Perris</i>	Purchase of 2017 Toyota Highlander Hybrid	\$22,155.93	\$22,155.93	\$5,455.48	\$5,455.48
<i>Pico Rivera</i>	Lease payments of (6) Hybrid Vehicles (2014)	\$7,021.77	\$7,021.77	\$1,728.98	\$1,728.98
<i>Placentia</i>	Purchase of 10 Chevy Spark electric vehicles	\$404.82	\$404.82	\$116.35	\$116.35
<i>Rancho Palos Verdes</i>	2017 Toyota Prius for CDD	\$46,644.36	\$46,644.36	\$11,485.30	\$11,485.30
<i>Redlands</i>	Partially fund 1 CNG Passenger Bus	\$903.38	\$1,468.05	\$903.38	\$1,468.05
<i>Riverside (City)</i>	Electric Vehicle Rebate Program	\$20.41	\$20.41	\$5.86	\$5.86
<i>San Fernando</i>	CNG Ford F-250 Utility Truck Purchase	\$92,556.76	\$92,556.76	\$22,790.36	\$22,790.36
<i>San Jacinto</i>	Electric Golf Cart Purchase for Water	\$38.05	\$38.05	\$38.05	\$38.05
<i>San Jacinto</i>	Purchase of Tier 4 Skiploader	\$53.88	\$53.88	\$53.88	\$53.88
<i>Santa Ana</i>	Electric Vehicle Lease (2)	\$5,329.25	\$5,329.25	\$1,531.68	\$1,531.68
<i>Santa Monica</i>	Purchase of (5) Ford Focus Evs	\$764.63	\$9,879.78	\$219.76	\$2,839.56
<i>Santa Monica</i>	Purchase of (10) 2017 Nissan Leafs	\$37,951.46	\$191,283.94	\$10,907.67	\$54,977.10
<i>South Gate</i>	Purchase (1) Smithco Super Star Electric	\$3,042.01	\$3,042.01	\$3,042.01	\$3,042.01
<i>South Gate</i>	Purchase (1) John Deere Electric Gator	\$786.19	\$786.19	\$786.34	\$786.34
<i>South Pasadena</i>	Ford F250 Reg Cab CNG Svc Truck	\$1,360.50	\$1,360.50	\$1,360.50	\$1,360.50
<i>Temple City</i>	Lease of Alternative Fuel Vehicles	\$3,303.05	\$3,303.05	\$813.32	\$813.32
<i>Upland</i>	Vehicle Purchase	\$10,018.80	\$10,018.80	\$2,466.94	\$2,466.94

Project Category	Project Name	Cost-Effectiveness (\$/lb)		Cost-Effectiveness (\$/lb)	
		*Based on		Based on	
		Air Funds	ALL Funds	Air Funds	ALL Funds
(1) Alternative Fuels/Electric Vehicles (cont'd)					
<i>Upland</i>	Vehicle Purchase	\$15,114.06	\$15,114.06	\$3,721.55	\$3,721.55
<i>Westlake Village</i>	Lease of one Toyota Rav4 hybrid electric	\$7,979.41	\$7,979.41	\$1,964.78	\$1,964.78
<i>Yorba Linda</i>	Purchase (1) Electric Vehicle in Replacement	\$2,340.26	\$2,340.26	\$672.62	\$672.62
(2) Vehicle Emissions Abatement					
<i>Hemet</i>	Particulate Trap for (1) Constr. Backhoe 2	\$160.22	\$160.22	\$160.22	\$160.22
<i>Hemet</i>	Particulate Trap for (1) Constr. Backhoe 1	\$220.42	\$220.42	\$220.42	\$220.42
(4) Public Transportation (Transit & Rail)					
<i>Anaheim</i>	ART Shuttle - Route 17	\$911.56	\$987.25	\$2,552.67	\$2,764.60
<i>Anaheim</i>	METROLINK & OCTA Transit Subsidies	\$194.64	\$223.51	\$120.93	\$138.86
<i>Azusa</i>	Transit Pass Subsidy	\$156.51	\$156.51	\$97.24	\$97.24
<i>Burbank</i>	Employee Transit Subsidies	\$378.31	\$378.31	\$235.04	\$235.04
<i>Compton</i>	Employee Transit Subsidies	\$1,169.82	\$1,169.82	\$726.79	\$726.79
<i>Corona</i>	Corona Cruiser Fare Subsidy	\$162.93	\$162.93	\$101.53	\$101.53
<i>Covina</i>	Commuter Choice Reimbursement Program	\$329.73	\$329.73	\$205.23	\$205.23
<i>Garden Grove</i>	Transit Subsidy (Metrolink & Bus)	\$84.62	\$84.62	\$52.57	\$52.57
<i>Glendale</i>	Transit Fare Subsidy	\$179.06	\$179.06	\$111.25	\$111.25
<i>Grand Terrace</i>	Senior Transportation Program	\$345.92	\$1,037.77	\$217.02	\$651.05
<i>Huntington Beach</i>	4th of July/US Surf Open Shuttle	\$2,329.65	\$2,329.65	\$2,097.87	\$2,097.87
<i>La Habra</i>	Shuttles to transport seniors	\$3,216.13	\$5,979.14	\$5,199.66	\$9,666.75
<i>Laguna Beach</i>	Free Ride to Work Bus Pass Program	\$213.84	\$213.84	\$132.74	\$132.74
<i>Laguna Beach</i>	Free Main Line Service During Summer	\$190.31	\$190.31	\$118.13	\$118.13
<i>Mission Viejo</i>	Mission Viejo (MV) Shuttle: FY16-17	\$6,116.43	\$6,461.32	\$14,658.70	\$15,485.27
<i>Monrovia</i>	Monrovia Public Transportation Subsidy	\$655.79	\$655.79	\$409.97	\$409.97
<i>Norwalk</i>	Transit Subsidy	\$282.96	\$282.96	\$175.97	\$175.97
<i>Rancho Palos Verdes</i>	Palos Verdes Peninsula Transit Authority	\$32.27	\$32.27	\$20.19	\$20.19
<i>Riverside (City)</i>	City Pass Program	\$92.38	\$92.38	\$57.18	\$57.18
<i>Riverside (City)</i>	Riverside Go Transit Bus Pass Subsidy	\$10.58	\$10.58	\$6.61	\$6.61
<i>San Clemente</i>	San Clemente Summer Trolley	\$361.08	\$2,278.89	\$234.85	\$1,482.20
<i>San Juan Capistrano</i>	Trolley Program	\$2,771.61	\$8,643.63	\$2,316.31	\$7,223.71
<i>Seal Beach</i>	Senior Transportation Nutrition Shuttle	\$1,183.56	\$3,609.52	\$1,299.67	\$3,963.62
<i>South El Monte</i>	Bus Pass Subsidy Program	\$36.17	\$36.17	\$22.64	\$22.64
<i>Temecula</i>	Route 55 RTA Transit New Services	\$114.69	\$114.69	\$83.85	\$83.85
<i>Walnut</i>	Bus Pass Subsidies	\$74.50	\$74.50	\$46.63	\$46.63

Project Category	Project Name	Cost-Effectiveness (\$/lb)		Cost-Effectiveness (\$/lb)	
		*Based on		Based on	
		Air Funds	ALL Funds	Air Funds	ALL Funds
(5) Traffic Management					
Anaheim	Traffic Signal Synchronization	\$4.35	\$4.72	\$3.52	\$3.81
Artesia	Pre-Emption Replacement	\$437.50	\$437.50	\$224.08	\$224.08
Costa Mesa	Baker St./Placentia Ave. Traffic Signal Sync	\$14.52	\$14.52	\$12.71	\$12.71
Costa Mesa	17th. St. Signal Synchronization Project	\$2.72	\$2.72	\$2.24	\$2.24
Costa Mesa	Sunflower Ave. & Anton Blvd. Signal	\$479.33	\$479.33	\$419.41	\$419.41
Costa Mesa	Fairview Rd. Traffic Signal Synchronization	\$12.57	\$12.57	\$11.00	\$11.00
Highland	Traffic Signal Synchronization	\$89.23	\$89.23	\$49.75	\$49.75
Irwindale	Left Turn Phasing on Peck Rd & Longden	\$19.42	\$19.42	\$16.99	\$16.99
Laguna Niguel	Traffic Signal Coordination	\$4.22	\$4.22	\$2.96	\$2.96
Lake Forest	Barranca/Muirlands Traffic Signal	\$0.63	\$0.63	\$0.63	\$0.63
Lake Forest	Bake Parkway Traffic Signal Synchronization	\$0.74	\$0.74	\$0.41	\$0.41
Los Angeles (City)	Seg10 Magnolia Bl from Leghorn Av to	\$133.02	\$275.30	\$103.46	\$214.12
Los Angeles (City)	Seg 9 Whittsett Av from Chandler Bl to	\$92.53	\$191.50	\$86.36	\$178.74
Los Angeles (City)	Seg 2 Westwood Bl from Pico Bl to	\$108.08	\$223.69	\$94.57	\$195.73
Los Angeles (City)	Seg 8 Vermont Av from Wilshire Bl to MLK	\$39.53	\$81.81	\$36.89	\$76.35
Los Angeles (City)	Seg1 Figueroa St between Imperial Hwy and	\$201.07	\$416.13	\$156.39	\$323.65
Mission Viejo	City of Mission Viejo Traffic Signal	\$0.96	\$0.96	\$0.84	\$0.84
Placentia	Kraemer Blvd Signal Sync.	\$0.41	\$0.41	\$0.34	\$0.34
Riverside (City)	Riverside Traffic Management Center	\$118.16	\$118.16	\$60.52	\$60.52
San Juan Capistrano	Neighborhood Traffic Calming Project	\$44.25	\$44.25	\$42.32	\$42.32
San Juan Capistrano	Regional Traffic Synchronization Program	\$26.27	\$26.27	\$16.41	\$16.41
Santa Clarita	ITS Phase IV (I0009)	\$47.01	\$360.57	\$37.97	\$291.23
(6) Transportation Demand Management					
Anaheim	Citywide Vanpool Program	\$255.98	\$296.79	\$190.10	\$220.40
Anaheim	Trip Reduction Program	\$35.82	\$38.79	\$22.25	\$24.10
Arcadia	Rideshare Plus Program	\$414.37	\$414.37	\$257.44	\$257.44
Azusa	Rideshare Financial Incentives	\$109.13	\$109.13	\$67.80	\$67.80
Baldwin Park	Employee Trip Reduction Incentive Programs	\$24.95	\$24.95	\$15.50	\$15.50
Bell Gardens	Employee Rideshare Subsidies	\$1.75	\$1.75	\$1.08	\$1.08
Burbank	Employee Rideshare Subsidies	\$150.84	\$150.84	\$93.72	\$93.72
Carson	Employee Carpool Program	\$260.24	\$260.24	\$161.68	\$161.68
Carson	Carpool Program for Community Event	\$12.77	\$12.77	\$7.99	\$7.99
Cerritos	Employee Rideshare Trip Rebate Program	\$152.62	\$152.62	\$94.82	\$94.82
Claremont	Employees Using Public Transportation (6	\$248.42	\$248.42	\$154.42	\$154.42

Project Category	Project Name	Cost-Effectiveness (\$/lb)		Cost-Effectiveness (\$/lb)	
		*Based on		Based on	
		Air Funds	ALL Funds	Air Funds	ALL Funds
(6) Transportation Demand Management (cont'd)					
<i>Commerce</i>	Employer Based Trip Reduction	\$73.72	\$73.72	\$45.80	\$45.80
<i>Compton</i>	Employee Trip Reduction Program	\$156.79	\$156.79	\$97.41	\$97.41
<i>County of LA</i>	Employee Commute Reduction Program	\$25.25	\$25.25	\$15.69	\$15.69
<i>County of Orange</i>	Employee Rideshare Program	\$3.36	\$19.49	\$2.10	\$12.17
<i>County of Riverside</i>	Commuter Services Rideshare Program	\$27.61	\$27.61	\$17.15	\$17.15
<i>County of San Bernardino</i>	Employee Commute Reduction Program	\$55.68	\$55.68	\$34.59	\$34.59
<i>County of San Bernardino</i>	Vanpool Subsidy Program	\$38.10	\$38.10	\$42.57	\$42.57
<i>Downey</i>	Downey Employee "Thumbs Up"	\$885.62	\$885.62	\$550.21	\$550.21
<i>El Monte</i>	Monthly Rideshare Incentive	\$343.64	\$343.64	\$213.50	\$213.50
<i>Fontana</i>	Rideshare Activities	\$52.50	\$52.50	\$32.70	\$32.70
<i>Garden Grove</i>	TDM Services	\$325.37	\$325.37	\$202.15	\$202.15
<i>Garden Grove</i>	Vanpool Program CNG	\$1,097.66	\$1,097.66	\$1,019.06	\$1,019.06
<i>Garden Grove</i>	Vanpool Program Conventional Gasoline	\$723.22	\$723.22	\$553.89	\$553.89
<i>Glendale</i>	Employer Based Trip Reduction Program	\$16.59	\$16.59	\$10.31	\$10.31
<i>Glendora</i>	Altcom Program	\$104.57	\$104.57	\$64.96	\$64.96
<i>Hawthorne</i>	Financial Incentives for rideshare	\$131.19	\$131.19	\$81.50	\$81.50
<i>Hermosa Beach</i>	AQMD Incentives to reduce auto trips	\$949.32	\$949.32	\$589.79	\$589.79
<i>Huntington Beach</i>	Employee Rideshare Activities	\$91.62	\$91.62	\$56.92	\$56.92
<i>La Verne</i>	Bike, Carpool, Walk, Incentive Program	\$367.38	\$367.38	\$228.24	\$228.24
<i>Los Angeles (City)</i>	Employer's Walk Incentive Program	\$26.91	\$26.91	\$16.75	\$16.75
<i>Los Angeles (City)</i>	Employee Vanpool Program	\$46.52	\$153.93	\$32.68	\$108.14
<i>Los Angeles (City)</i>	Employer's Rail and Bus Transit Incentive	\$14.94	\$14.94	\$9.28	\$9.28
<i>Los Angeles (City)</i>	Employer' Carpool Program	\$20.21	\$20.21	\$12.56	\$12.56
<i>Los Angeles (City)</i>	Bicycle Transit Incentive Program	\$37.41	\$37.41	\$23.24	\$23.24
<i>Manhattan Beach</i>	Rideshare Program	\$230.45	\$230.45	\$143.17	\$143.17
<i>Monrovia</i>	Monrovia Employee Ride Share	\$59.06	\$59.06	\$36.70	\$36.70
<i>Montclair</i>	Rideshare Program	\$351.57	\$351.57	\$218.42	\$218.42
<i>Montebello</i>	Employee Commute Reduction Program	\$94.24	\$94.24	\$58.55	\$58.55
<i>Monterey Park</i>	Employee Transportation Program	\$245.20	\$245.20	\$152.34	\$152.34
<i>Newport Beach</i>	Employee Rideshare Program	\$75.83	\$75.83	\$47.11	\$47.11
<i>Orange (City)</i>	Trip Reduction Program	\$134.50	\$134.50	\$84.18	\$84.18
<i>Palm Desert</i>	City Rideshare Program	\$109.36	\$109.36	\$67.78	\$67.78

Project Category	Project Name	Cost-Effectiveness (\$/lb)		Cost-Effectiveness (\$/lb)	
		*Based on		Based on	
		Air Funds	ALL Funds	Air Funds	ALL Funds
(6) Transportation Demand Management (cont'd)					
<i>Pasadena</i>	Prideshare	\$82.72	\$82.72	\$51.40	\$51.40
<i>Rancho Cucamonga</i>	Employer Ride Share Program	\$474.98	\$474.98	\$295.10	\$295.10
<i>Redondo Beach</i>	Employee Rideshare	\$102.43	\$102.43	\$63.75	\$63.75
<i>Rialto</i>	Employee Rideshare Program	\$188.69	\$188.69	\$117.23	\$117.23
<i>Riverside (City)</i>	Employee Rideshare Program	\$22.53	\$22.53	\$13.95	\$13.95
<i>San Bernardino (City)</i>	Rideshare Program	\$272.80	\$272.80	\$169.49	\$169.49
<i>San Juan Capistrano</i>	Sr Nutritional Transportation Program	\$12.14	\$78.77	\$7.56	\$49.05
<i>Santa Ana</i>	Blue Skies Ride share Program	\$459.66	\$459.66	\$285.58	\$285.58
<i>Santa Clarita</i>	Rideshare	\$42.91	\$42.91	\$26.66	\$26.66
<i>South Gate</i>	Employee Rideshare Program	\$72.34	\$72.34	\$44.94	\$44.94
<i>Stanton</i>	Commute Incentive Program	\$221.14	\$221.14	\$137.39	\$137.39
<i>Torrance</i>	Employee Rideshare	\$63.08	\$63.08	\$39.33	\$39.33
<i>Upland</i>	Rideshare Activities	\$297.65	\$297.65	\$184.93	\$184.93
<i>West Hollywood</i>	Alternative Transportation Mode Incentive	\$264.33	\$264.33	\$164.22	\$164.22
<i>Westminster</i>	Employee Rideshare Program	\$51.64	\$51.64	\$32.08	\$32.08
<i>Westminster</i>	Employee Vanpool Program	\$267.49	\$267.49	\$256.60	\$256.60
<i>Whittier</i>	Employee-Based Trip Reduction	\$322.13	\$322.13	\$199.56	\$199.56
(8) Bicycles					
<i>Highland</i>	Class II Bike Lane Installation	\$14,997.15	\$14,997.15	\$9,470.35	\$9,470.35
<i>Long Beach</i>	Class II Bike Lanes to LA River	\$89.60	\$89.60	\$57.47	\$57.47
<i>Long Beach</i>	Protected Bike Lanes on 3rd and Broadway	\$656.41	\$656.41	\$240.94	\$240.94
<i>Long Beach</i>	Class I Bicycle Path Gap Closure - Pier J	\$20,254.57	\$20,254.57	\$12,721.93	\$12,721.93
<i>Long Beach</i>	Bike Share Program	\$656.53	\$656.53	\$376.82	\$376.82
<i>Long Beach</i>	Class I Willow Bike Path to San Gabriel River	\$8.27	\$8.27	\$5.20	\$5.20
<i>Orange (City)</i>	Bike Loan to Own Program	\$409.32	\$409.32	\$146.37	\$146.37
<i>Orange (City)</i>	Orange Police Bike Team	\$1,206.10	\$1,206.10	\$431.31	\$431.31
<i>Redlands</i>	Installation of Class II Bike Lanes	\$117.16	\$117.16	\$70.01	\$70.01
<i>Santa Clarita</i>	Bike to work	\$51.48	\$51.48	\$32.23	\$32.23
<i>Westlake Village</i>	Bike purchase for Animal Control patrol	\$342.32	\$342.32	\$201.25	\$201.25
<i>Yorba Linda</i>	Bike Lane Enhancement Program	\$111.14	\$111.14	\$68.35	\$68.35
<i>Yucaipa</i>	Class II Bike Lane Construction Activities -	\$429.23	\$429.23	\$269.60	\$269.60
<i>Yucaipa</i>	Class II Bike Lane Construction Activities	\$853.33	\$853.33	\$535.98	\$535.98

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
(9) PM Reduction Strategies					
<i>Cathedral City</i>	Regional PM10 Street Sweeping Program	\$150.32	\$150.32	\$150.30	\$150.30
<i>Coachella</i>	Regional PM10 Street Sweeping Program	\$200.21	\$200.21	\$200.19	\$200.19
<i>Colton</i>	Lease of a CNG Street Sweeper	\$4.43	\$4.43	\$4.43	\$4.43
<i>County of Riverside</i>	Regional PM10 Street Sweeping Program	\$150.14	\$150.14	\$150.12	\$150.12
<i>Desert Hot Springs</i>	Regional PM10 Street Sweeping Program	\$150.26	\$150.26	\$150.25	\$150.25
<i>El Monte</i>	Regional PM10 Street Sweeper Contract	\$1.37	\$1.37	\$1.37	\$1.37
<i>Hawthorne</i>	PM10 Reduction Street Sweeping Project	\$32.17	\$32.17	\$31.98	\$31.98
<i>Indian Wells</i>	Regional PM10 Street Sweeping Program	\$138.99	\$138.99	\$138.97	\$138.97
<i>Indio</i>	Regional PM 10 Street Sweeping Program	\$149.85	\$149.85	\$149.83	\$149.83
<i>Jurupa Valley</i>	Contract Street Weeping	\$66.72	\$66.72	\$66.48	\$66.48
<i>La Quinta</i>	Regional PM 10 Street Sweeping Program	\$149.95	\$149.95	\$149.95	\$149.95
<i>Loma Linda</i>	City Street Sweeping	\$28.41	\$28.41	\$28.34	\$28.34
<i>Lomita</i>	Leasing alternative fuel street sweepers	\$6.67	\$6.67	\$6.66	\$6.66
<i>Moreno Valley</i>	Street Sweeping Program	\$12.31	\$12.31	\$12.26	\$12.26
<i>Palm Desert</i>	Regional PM10 Street Sweeping Program	\$149.79	\$149.79	\$149.78	\$149.78
<i>Palm Springs</i>	Regional PM10 Street Sweeping Program	\$150.65	\$150.65	\$150.63	\$150.63
<i>Rancho Mirage</i>	Regional PM10 Street Sweeping Program	\$151.57	\$151.57	\$151.56	\$151.56
<i>Walnut</i>	Street Sweeping with CNG Sweeper	\$6.18	\$6.18	\$6.13	\$6.13
(11) Miscellaneous Projects					
<i>County of Riverside</i>	Purchase of Mobile Source Emission	\$16.44	\$16.44	\$16.44	\$16.44
<i>Fullerton</i>	Rule 2202 Emission Credits	\$33.16	\$33.16	\$18.93	\$18.93
<i>Irvine</i>	Purchase Rule 2202 Credit	\$20.64	\$20.64	\$11.59	\$11.59
<i>Long Beach</i>	Rule 2202 Emissions Credit Purchase	\$38.17	\$38.17	\$14.89	\$14.89
<i>Los Angeles (City)</i>	Green Taxi Program Development	\$2,184.52	\$2,184.52	\$537.93	\$537.93
<i>Pomona</i>	Purchase of Emission Credits	\$23.47	\$23.47	\$13.19	\$13.19
<i>Riverside (City)</i>	AQMD Rule 2202 Compliance	\$22.79	\$22.79	\$13.02	\$13.02
<i>Riverside (City)</i>	ProjectDox	\$2,161.47	\$2,161.47	\$1,342.46	\$1,342.46
<i>West Covina</i>	Air Quality Investment Program (AQIP)	\$21.18	\$21.18	\$12.09	\$12.09
<i>Whittier</i>	Rule 2202 Compliance - Emission Credits	\$45.38	\$45.38	\$25.90	\$25.90

*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 2016-2017

Motor Vehicle Fees	\$11,693,149
Air Funds (MV Fees+ MSRC + Moyer)	\$12,504,828
Amortized Air Funds	\$6,793,868
Emission Reductions (lbs per year) (ROG + NOx + PM2.5 + CO/7)	267,815
Average Cost-Effectiveness (dollars per lb)	\$25.37

This report includes only projects with cost-effectiveness greater than zero.
Cost-effectiveness equals amortized Air Funds (MV Fees + MSRC + Moyer dollars) divided by
ROG + NOx + PM2.5 + CO/7.