

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

**Annual Report on AB 2766 Funds from Motor Vehicle Registration Fees for
FY 2015-16**

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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 2015-16, 162 local governments in the South Coast Air District were eligible to receive AB 2766 Subvention Funds. In summary, these jurisdictions were subvended \$22.1 million to implement projects that reduce mobile source emissions. From their AB 2766 fund balances, local governments spent \$19.2 million. The two highest spending categories were Alternative Fuels/Electric Vehicles and Traffic Management projects, which claimed a combined total of 51% of the \$19.2 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 395 projects of which 261 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.

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 2015-16.

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 2015-16, 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 governments 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.

Local jurisdictions are encouraged to pre-designate funds budgeted for specific projects that may be implemented in the future. A detailed summary of local government reporting as highlighted in SCAQMD’s annual AB 2766 Staff 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.

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 during the months of December 2016, January and February 2017, at which 97 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 emissions 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.

During the hands-on portion 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 report their subvention fund projects to the SCAQMD. Local governments access the OnBase system using customized logins and passwords, download and fill out 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 (successful or unsuccessful). 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 assisted local governments with 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 an AB 2766 Access File Instructions document (Instructions Guide) to assist local governments in completing their AB 2766 Annual Reports via Microsoft Access. The 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 2015-16 annual program 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	\$319,224	Regional PM Street Sweeping Program using alternative fuel equipment to sweep approximately 21,829 curb miles to remove roadway dust.
Western Riverside	\$34,000	Clean Cities Coalition activities/outreach promoting emission reductions from motor vehicles through alternative fuel and advanced technology vehicles; AQMP Outreach and Western Riverside County Active Transportation Plan development.
Gateway Cities	\$81,597	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 additional 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 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 how local governments in the SCAB region used their AB 2766 subvention funds during FY 2015-16 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 (\$19.2 million) than the amount received (\$22.1 million). They spent 28% of their combined beginning balance and MV fees received (\$67.9 million), which is an increase to what occurred in FY 2014-15, when cities and counties spent 26% of the total beginning balances and MV fees received (\$65.3 million).

Table 2 also shows that of the \$48.8 million ending balance reported by local governments, approximately \$34 million, or 70% of the ending balance was pre-designated for future projects. This indicates an increase to what occurred in FY 2014-15, when 66% of the region-wide ending balance was pre-designated for future projects. Local jurisdictions are showing a better understanding of the need for pre-designating funds and use it as a helpful, practical financial planning tool to address the specific local needs of the future.

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	\$21,946,723	\$12,831,738	\$10,724,600	\$24,095,242	\$16,573,804	\$7,521,438
Orange	\$12,889,235	\$4,035,796	\$3,773,108	\$13,203,848	\$9,575,380	\$3,628,468
Riverside	\$5,342,630	\$2,894,434	\$3,095,197	\$5,116,074	\$3,542,667	\$1,573,407
San Bernardino	\$5,604,517	\$2,337,069	\$1,570,296	\$6,405,862	\$4,275,750	\$2,130,112
Totals*	\$45,783,106	\$22,099,037	\$19,163,200	\$48,821,026	\$33,967,602	\$14,853,424

*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 subvented to local governments has increased, from \$21.7 million (FY 2014-15) to \$22.1 million, for this reporting cycle, and local

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.

governments spent a higher percentage (87% or \$19.2 million of the funds received on AB 2766 projects compared to the prior reporting cycle (78% or \$17.0 million).

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
2011-12	\$37,430,200	\$20,717,200	\$18,988,800	\$39,188,200	\$28,154,100	\$11,034,100
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	\$13,257,800
2014-15	\$43,512,253	\$21,738,605	\$16,965,994	\$48,250,812	\$31,831,121	\$16,419,692
2015-16	\$45,783,106	\$22,099,037	\$19,163,200	\$48,821,026	\$33,967,602	\$14,853,424

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 2015-16. 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 (188). Orange County had the second highest number of projects funded (107), followed by Riverside County (56) and San Bernardino (44). For this reporting cycle, Riverside County has yielded the highest percentage (73%) 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	188	123	65%
Orange	35	107	69	64%
Riverside	28	56	41	73%
San Bernardino	17	44	28	64%
Totals	162	395	261	66%

Table 5 shows 261 projects with emission reductions quantified, which is an increase from the 229 projects quantified in FY 2014-15. Overall, the total number of projects funded by local governments over the last five fiscal reporting cycles has resulted in project quantifications above 60%. The percentage of expenditures quantified increased to 73% during FY 2015-16. There was a noted increase in the percentage of projects and expenditures quantified during this reporting cycle.

CARB provides 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 local government reporting. Emission reductions from several types of projects are difficult to quantify or cannot be quantified, such as Research and Development (R&D) and Infrastructure projects, as well as Public Education and Outreach programs.

Table 5
Project Quantification History

Year	Number of Projects	Projects with Emission Reductions Quantified	Percent of Projects Quantified	Percent of Expenditures Quantified
FY 2011-12	318	194	61%	74%
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%

Data in Table 6 shows the FY 2015-16 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 2015-16 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 Traffic Management categories, which together represents 51% or about \$9.9 million of the \$19.2 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 in implementation of traffic signal synchronization projects.

Table 6
Expenditures by Project Category

Project Category	Project Spending*	Percent of Spending*	# of Projects
Alternative Fuels/Electric Vehicles	\$5,873,757	31%	108
Traffic Management	\$3,982,133	21%	56
Transportation Demand Management	\$3,877,579	20%	65
Public Transportation	\$1,730,678	9%	45
Bicycles	\$1,105,481	6%	34
PM Reduction Strategies	\$1,025,153	5%	20
Miscellaneous Projects	\$839,576	4%	35
Public Education	\$502,680	3%	15
Land Use	\$216,511	1%	16
Vehicle Emission Abatement	\$9,653	0%	1
Totals*	\$19,163,200	100%	395

*Numbers may vary due to rounding.

Emission Reductions & Cost-Effectiveness

Table 7 summarizes, by county, the number of projects funded, project spending, and the emission reductions achieved. Local governments in Los Angeles County reported the vast majority of project spending, \$10.7 million, and also achieved the majority of annual emission reductions, 6,057 tons. During FY 2015-16, a total of 6,190 tons of emissions were reduced in the SCAB by projects funded with AB 2766 Subvention money.

Table 7
AB 2766 Project Spending and Emissions Reduced

County	Number of Projects Funded	Project Spending	Emissions Reduced² (Tons/Year)
Los Angeles	188	\$10,724,600	6,057
Orange	107	\$3,773,108	96
Riverside	56	\$3,095,197	23
San Bernardino	44	\$1,570,296	14
Totals*	395	\$19,163,200	6,190

*Numbers may vary due to rounding.

² Emissions reduced account for total reductions (VOC, NOx, 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.

Table 8 provides emission reduction and cost-effectiveness information for the AB 2766 project categories. In this reporting cycle, the Traffic Management project category represents the bulk of the emissions reduced. This category includes an Automatic Traffic Surveillance project (ATSAC), which accounts for 5,783 tons per year of emissions reduced, or about 93% of the 6,190 tons per year of total emissions reduced from all AB 2766 project categories. Thus, the cost-effectiveness of the Traffic Management project category was significantly skewed by the traffic surveillance project.

As a result of the AB 2766 staff's efforts throughout the reporting year to provide technical support and program outreach, jurisdictions are continuing to implement cost-effective and quantifiable emission reduction projects. Local governments are 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-designating funds for future project implementation has helped Program Administrators better understand the importance of long-term project planning and has encouraged them to research and obtain other funding sources, and to create and identify ways to secure matching funds.

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.

The cost-effectiveness of all project categories, as shown in Table 8, range from \$0.13 - \$533.54 per pound of emissions reduced. The overall total average cost-effectiveness was computed as \$0.74 per pound of emissions reduced. As noted above, the ATSAC project, reported in the Traffic Management category, has a significant impact on the program's overall cost-effectiveness. If that project had been excluded, the average cost-effectiveness would have been \$9.82 per pound of emissions reduced instead of \$0.74 per pound. Taking this into consideration, the overall total cost-effectiveness would continue to be below the \$10 per pound cost-effectiveness threshold established by CARB. A number of factors, such as funding amount, project life, project design, as well as reductions in trips and vehicle miles, all help to determine how cost-effective one project is compared to another and determines the final project category cost-effectiveness as shown in this table.

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.)
Traffic Management	56	30	54%	11,730,702	5,865	\$0.13
Transportation Demand Management	65	61	94%	508,105	254	\$6.93
Public Transportation	45	37	82%	57,084	29	\$22.71
PM Reduction Strategies	20	19	95%	29,843	15	\$30.29
Alternative Fuels/Electric Vehicles	108	79	73%	28,825	14	\$40.11
Miscellaneous Projects⁶	35	12	34%	24,828	12	\$14.33
Bicycles	34	22	65%	721	-0-	\$533.54
Vehicle Emission Abatement	1	1	100%	25	-0-	\$122.55
Land Use	16	-0-	0%	-0-	-0-	\$0
Public Education	15	-0-	0%	-0-	-0-	\$0
TOTALS*	395	261	66%	12,380,133	6,190	\$0.74

*Totals may vary slightly due to rounding.

The history of the AB 2766 Program’s emission reductions and cost-effectiveness is shown in Table 9. The 6,190 tons of emission reductions achieved during this reporting cycle represents a minor decrease from the 6,198 tons reduced during FY 2014-15. The average cost-effectiveness of projects funded during FY 2015-16 was approximately \$0.74 per pound of emissions reduced. The average cost-effectiveness figure is determined by dividing the Amortized Air Fund dollar amount (\$9.2 million), which is associated with quantified projects, by the total amount of emission reductions (12,380,133 lbs./yr.). Table 9 illustrates the progress that has been made since FY 2011-12 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, pg. 61.

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, pg. 61.

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 local specific 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 2011-12	11,428,656	5,714	\$0.84	\$1,673
FY 2012-13	11,901,177	5,961	\$0.73	\$1,463
FY 2013-14	10,926,821	5,463	\$0.83	\$1,663
FY 2014-15	12,396,710	6,198	\$0.65	\$1,286
FY 2015-16	12,380,133	6,190	\$0.74	\$1,480

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

**In current 2016 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 \$7.5 million. This amount represents 39% of the \$19.2 million MV fees spent on mobile source projects during FY 2015-16. Also, during this reporting cycle, there is a significant increase in project spending in the Alternative Fuel Vehicle Purchases subcategory, from \$4.0 million in FY 2014/15 to \$4.3 million, and a noteworthy increase in the Employer Based Trip Reduction subcategory, from \$2.6 million to \$3.2 million.

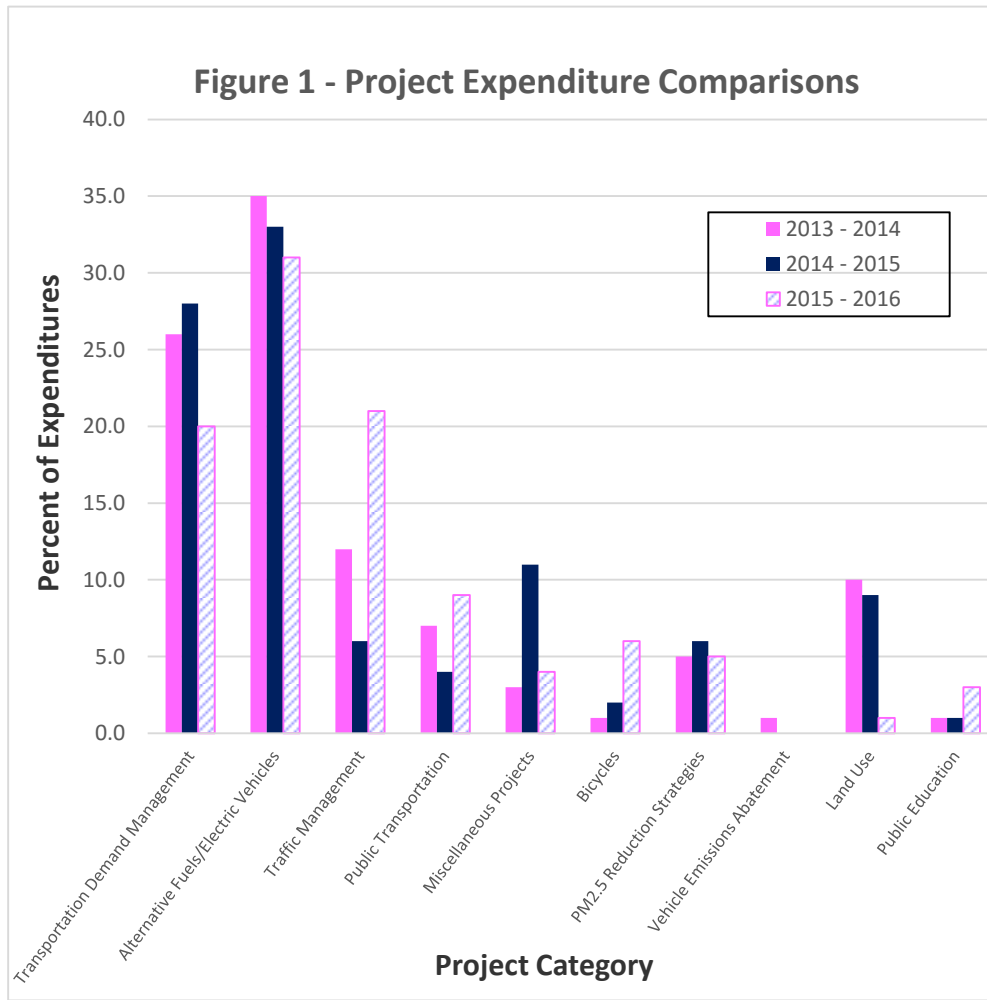
Table 10
Project Subcategories with Highest Funding Allocations

Project Category (# of Projects)	Project Subcategory (# of Projects)	Project Subcategory Expenditures	Percent of Project Category Expenditures*
Alternative Fuels/Electric Vehicles (108)	Alternative Fuel Vehicle Purchases (60)	\$4,312,486	73%
Transportation Demand Management (65)	Employer Based Trip Reduction (56)	\$3,216,377	83%
Traffic Management (56)	Traffic Flow or Signalization (44)	\$2,736,687	69%
PM Reduction Strategies (20)	Road Dust Control (20)	\$1,025,153	100%
Public Transportation (45)	Passenger Fare Subsidies (26)	\$944,483	55%
Misc. Projects (35)	Misc. Projects (35)	\$839,576	100%
Bicycles (34)	Bicycle Lanes & Trails (16)	\$489,691	44%
Public Education (15)	Short Term PE (promote transit, rideshare) (12)	\$487,548	97%
Land Use (16)	Plan Elements (10)	\$137,331	63%
Vehicle Emissions Abatement (1)	On-road CARB-verified Diesel Emission Control Systems (1)	\$9,653	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 2013-14, 2014-15 and 2015-16. During this reporting cycle, there was a significant increase in project spending in the Traffic Management, Public Transportation, Bicycles, and Public Education project categories.

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

- Provide written notification of fund balances and fund match/leverage opportunities to local government officials.
- Encourage local government policy makers to provide leadership and establish partnerships in the program decision-making process.
- Encourage cities to implement quantifiable, cost-effective mobile source emission reduction projects. Staff will accomplish this by seeking to meet with and maintain an open, ongoing dialogue

with city mayors, city managers, and other local government staff.

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.
- Encourage local governments to provide feedback to SCAQMD and to their respective COGs on various AB 2766 program matters, including the annual reporting process, and subvention funds allocated towards COG sponsored projects.

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) Enhancing Access File Instructions
 - 3) Refining Marketing Materials (pamphlets, fact sheets, etc.)
- Encourage fund leveraging and pre-designation of funds for future quantifiable project implementation.
- 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 on 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.

ATTACHMENT A
Eligible Cities and Counties (FY 2015-16)

Eligible Cities and Counties (FY 2015-16)

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 2015-16 AB 2766 Subvention Fund Program Reports

South Coast Cities and Counties Financial Summary of Motor Vehicle Funds

Fiscal Year 2015 - 2016

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	\$1,501	\$26,324	\$0	\$27,825	\$0	\$1,200	\$26,625	\$26,000
	Alhambra	\$428,935	\$107,890	\$4,449	\$541,274	\$278,680	\$1,509	\$261,085	\$261,085
	Arcadia	\$149,090	\$70,394	\$1,937	\$221,421	\$15,305	\$0	\$206,116	\$200,000
	Artesia	\$21,619	\$21,332	\$286	\$43,236	\$3,259	\$0	\$39,977	\$30,000
	Azusa	\$124,432	\$62,837	\$1,060	\$188,329	\$40,926	\$2,970	\$144,433	\$80,920
	Baldwin Park	\$533,365	\$98,031	\$4,233	\$635,628	\$28,857	\$0	\$606,771	\$500,000
	Bell	\$42,823	\$45,926	\$104	\$88,853	\$4,000	\$2,296	\$82,557	\$50,000
	Bell Gardens	\$163,713	\$54,159	\$968	\$218,840	\$22,197	\$0	\$196,643	\$155,000
	Bellflower	\$299,738	\$99,380	\$2,259	\$401,377	\$192,558	\$0	\$208,819	\$208,819
	Beverly Hills	\$415,329	\$55,481	\$5,810	\$476,620	\$91,261	\$0	\$385,359	\$324,068
	Burbank	\$231,112	\$135,162	\$5,006	\$371,280	\$75,677	\$0	\$295,604	\$271,857
	Calabasas	\$83,577	\$22,429	\$859	\$106,865	\$22,127	\$0	\$84,738	\$83,577
	Carson	\$263,847	\$118,680	\$1,911	\$384,438	\$116,109	\$0	\$268,329	\$260,000
	Cerritos	\$391,233	\$63,147	\$3,829	\$458,209	\$32,512	\$3,157	\$422,540	\$422,540
	Claremont	\$187,650	\$46,092	\$98	\$233,840	\$127,560	\$0	\$106,280	\$103,000
	Commerce	\$0	\$16,504	\$38	\$16,542	\$16,504	\$0	\$38	\$0
	Compton	\$333,712	\$121,403	\$219	\$455,334	\$130,000	\$5,500	\$319,834	\$300,000
	County of LA	\$1,789,029	\$1,326,337	\$14,484	\$3,129,850	\$304,376	\$0	\$2,825,474	\$2,665,000
	Covina	\$53,134	\$61,614	\$237	\$114,985	\$3,561	\$2,270	\$109,154	\$109,153
	Cudahy	\$38,794	\$24,630	\$147	\$63,571	\$15,005	\$0	\$48,566	\$30,000
	Culver City	\$202,252	\$50,540	\$1,030	\$253,822	\$5,786	\$0	\$248,036	\$150,000
	Diamond Bar	\$207,205	\$72,066	\$2,460	\$281,731	\$13,747	\$0	\$267,984	\$219,705
	Downey	\$714,440	\$145,121	\$6,361	\$865,922	\$281,665	\$6,620	\$577,637	\$550,000
	Duarte	\$64,889	\$27,690	\$133	\$92,712	\$33,434	\$1,011	\$58,267	\$35,000
	El Monte	\$76,028	\$145,508	\$249	\$221,786	\$140,651	\$31	\$81,103	\$80,000
	El Segundo	\$40,654	\$21,524	\$295	\$62,473	\$26,524	\$0	\$35,949	\$21,524
	Gardena	\$158,030	\$76,838	\$1,251	\$236,119	\$657	\$3,500	\$231,962	\$95,000
	Glendale	\$402,586	\$251,779	\$4,869	\$659,234	\$207,423	\$0	\$451,811	\$15,000

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
	Glendora	\$247,427	\$81,756	\$1,925	\$331,108	\$277,982	\$3,086	\$50,040	\$40,000
	Hawaiian Gardens	\$143,154	\$18,396	\$426	\$161,976	\$13,085	\$0	\$148,891	\$30,000
	Hawthorne	\$206,875	\$111,684	\$209	\$318,768	\$101,990	\$840	\$215,938	\$215,938
	Hermosa Beach	\$36,416	\$25,056	\$618	\$62,090	\$2,130	\$0	\$59,960	\$59,960
	Hidden Hills	\$48,556	\$2,255	\$188	\$50,999	\$0	\$0	\$50,999	\$48,556
	Huntington Park	\$521,732	\$73,970	\$6,479	\$602,181	\$106,635	\$3,699	\$491,847	\$330,000
	Inglewood	\$514,484	\$141,124	\$2,542	\$658,150	\$458,804	\$0	\$199,346	\$40,000
	Irwindale	\$1,766	\$1,741	\$25	\$3,532	\$1,750	\$0	\$1,782	\$1,700
	La Canada Flintridge	\$243,005	\$26,101	\$3,758	\$272,864	\$48,290	\$0	\$224,574	\$36,300
	La Habra Heights	\$5,662	\$10,118	\$33	\$15,813	\$0	\$0	\$15,813	\$0
	La Mirada	\$342,613	\$62,960	\$2,915	\$408,487	\$0	\$0	\$408,487	\$180,000
	La Puente	\$102,996	\$51,708	\$1,177	\$155,881	\$0	\$0	\$155,881	\$55,000
	La Verne	\$407,296	\$41,963	\$4,842	\$454,101	\$12,982	\$0	\$441,119	\$81,261
	Lakewood	\$118,527	\$102,167	\$1,816	\$222,510	\$38,887	\$4,769	\$178,854	\$172,427
	Lawndale	\$32,528	\$42,423	\$321	\$75,272	\$0	\$0	\$75,272	\$0
	Lomita	\$61,902	\$26,281	\$152	\$88,335	\$19,947	\$1,295	\$67,092	\$67,092
	Long Beach	\$3,760,887	\$600,038	\$26,471	\$4,387,395	\$881,391	\$16,662	\$3,489,343	\$1,723,733
	Los Angeles (City)	\$686,600	\$5,041,668	\$41,061	\$5,769,329	\$4,879,400	\$61,855	\$828,074	\$273,808
	Lynwood	\$223,351	\$90,812	\$2,068	\$316,230	\$0	\$0	\$316,230	\$220,000
	Malibu	\$27,970	\$16,345	\$190	\$44,505	\$0	\$0	\$44,505	\$44,505
	Manhattan Beach	\$217,390	\$45,430	\$2,211	\$265,031	\$167,605	\$2,100	\$95,326	\$0
	Maywood	\$116,478	\$31,872	\$0	\$148,350	\$0	\$0	\$148,350	\$0
	Monrovia	\$338,969	\$47,524	\$404	\$386,897	\$12,165	\$0	\$374,732	\$75,000
	Montebello	\$433,796	\$81,540	\$1,878	\$517,214	\$27,624	\$4,077	\$485,513	\$200,000
	Monterey Park	\$241,128	\$77,817	\$1,707	\$320,652	\$86,235	\$0	\$234,417	\$200,000
	Norwalk	\$129,296	\$136,541	\$1,018	\$266,855	\$184,015	\$0	\$82,840	\$82,000
	Palos Verdes Estates	\$85,428	\$17,358	\$826	\$103,612	\$0	\$0	\$103,612	\$96,798
	Paramount	\$224,883	\$70,325	\$911	\$296,119	\$94,712	\$3,450	\$197,957	\$93,700
	Pasadena	\$100,605	\$180,299	\$1,166	\$282,070	\$183,158	\$0	\$98,912	\$99,802
	Pico Rivera	\$227,268	\$81,639	\$1,876	\$310,783	\$26,124	\$4,082	\$280,577	\$56,000
	Pomona	\$538,298	\$188,273	\$2,860	\$729,431	\$53,583	\$10,354	\$665,494	\$657,099

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	\$107,024	\$54,096	\$326	\$161,446	\$54,096	\$0	\$107,350	\$100,000
	Redondo Beach	\$114,712	\$86,625	\$1,557	\$202,894	\$39,652	\$3,744	\$159,498	\$114,712
	Rolling Hills Estates	\$46,971	\$10,341	\$189	\$57,501	\$0	\$0	\$57,501	\$57,501
	Rosemead	\$217,010	\$69,557	\$3,340	\$289,907	\$146,140	\$0	\$143,767	\$143,767
	San Dimas	\$125,600	\$44,093	\$573	\$170,266	\$3,570	\$2,178	\$164,518	\$100,000
	San Fernando	\$195,921	\$31,154	\$315	\$227,390	\$0	\$0	\$227,390	\$143,000
	San Gabriel	\$59,631	\$51,488	\$555	\$111,674	\$11,639	\$0	\$100,035	\$100,035
	San Marino	\$18,512	\$21,299	\$108	\$39,918	\$0	\$0	\$39,918	\$39,918
	Santa Clarita	\$512,186	\$272,762	\$10,193	\$795,141	\$71,544	\$6,267	\$717,330	\$717,331
	Santa Fe Springs	\$62,319	\$22,323	\$301	\$84,943	\$2,062	\$0	\$82,881	\$82,881
	Santa Monica	\$618,130	\$118,852	\$8,315	\$745,298	\$55,324	\$5,759	\$684,215	\$630,959
	Sierra Madre	\$116,440	\$13,414	\$237	\$130,091	\$0	\$0	\$130,091	\$85,000
	Signal Hill	\$122,977	\$10,855	\$756	\$134,588	\$0	\$0	\$134,588	\$123,000
	South El Monte	\$77,631	\$26,418	\$197	\$104,247	\$7,714	\$0	\$96,533	\$60,000
	South Gate	\$252,460	\$118,700	\$400	\$371,560	\$25,069	\$5,142	\$341,349	\$222,424
	South Pasadena	\$114,253	\$33,213	\$1,556	\$149,022	\$0	\$0	\$149,022	\$50,000
	Temple City	\$160,523	\$46,083	\$119	\$206,725	\$37,301	\$0	\$169,424	\$40,000
	Torrance	\$223,959	\$187,539	\$2,224	\$413,722	\$146,821	\$0	\$266,901	\$223,959
	Walnut	\$60,540	\$38,519	\$163	\$99,222	\$69,626	\$0	\$29,596	\$29,596
	West Covina	\$138,114	\$511,853	\$3,245	\$653,213	\$42,987	\$1,741	\$608,485	\$254,199
	West Hollywood	\$155,707	\$45,509	\$980	\$202,196	\$73,705	\$0	\$128,491	\$100,000
	Westlake Village	\$64,990	\$10,596	\$251	\$75,837	\$0	\$0	\$75,837	\$70,542
	Whittier	\$575,109	\$110,448	\$4,646	\$690,203	\$28,495	\$4,655	\$657,053	\$657,053
	County Total:	\$21,946,723	\$12,831,738	\$217,199	\$34,995,661	\$10,724,600	\$175,819	\$24,095,242	\$16,573,804

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	\$776,739	\$63,830	\$4,683	\$845,252	\$0	\$0	\$845,252	\$375,000
	Anaheim	\$165,223	\$445,763	\$560	\$611,546	\$473,143	\$3,054	\$135,349	\$100,000
	Brea	\$158,881	\$55,069	\$3,866	\$217,816	\$0	\$0	\$217,816	\$158,881
	Buena Park	\$354,510	\$103,986	\$2,285	\$460,781	\$71,421	\$0	\$389,360	\$365,830
	Costa Mesa	\$377,407	\$144,554	\$3,829	\$525,790	\$374,404	\$0	\$151,386	\$151,386
	County of Orange	\$746,166	\$193,524	\$12,622	\$952,312	\$112,413	\$9,542	\$830,357	\$460,000
	Cypress	\$391,892	\$62,530	\$0	\$454,422	\$0	\$0	\$454,422	\$200,336
	Dana Point	\$313,761	\$43,449	\$2,143	\$359,353	\$0	\$0	\$359,353	\$344,818
	Fountain Valley	\$381,557	\$72,515	\$348	\$454,420	\$0	\$744	\$453,676	\$92,000
	Fullerton	\$430,008	\$179,703	\$3,657	\$613,368	\$250,430	\$3,576	\$359,362	\$359,359
	Garden Grove	\$429,371	\$222,681	\$1,488	\$653,540	\$157,771	\$11,042	\$484,727	\$429,371
	Huntington Beach	\$847,240	\$252,769	\$6,221	\$1,106,230	\$303,429	\$0	\$802,801	\$702,000
	Irvine	\$980,064	\$319,016	\$11,375	\$1,310,455	\$417,721	\$7,410	\$885,324	\$885,324
	La Habra	\$55,331	\$78,960	\$498	\$134,789	\$78,960	\$0	\$55,829	\$55,000
	La Palma	\$71,589	\$20,206	\$1,094	\$92,888	\$0	\$0	\$92,888	\$60,000
	Laguna Beach	\$1,764	\$29,661	\$0	\$31,425	\$23,121	\$0	\$8,304	\$8,000
	Laguna Hills	\$30,889	\$39,354	\$199	\$70,442	\$0	\$0	\$70,442	\$70,442
	Laguna Niguel	\$340,257	\$82,473	\$4,547	\$427,277	\$26,677	\$0	\$400,600	\$400,600
	Laguna Woods	\$93,051	\$21,081	\$392	\$114,524	\$0	\$0	\$114,524	\$114,524
	Lake Forest	\$648,073	\$101,882	\$3,541	\$753,496	\$299,266	\$0	\$454,230	\$237,000
	Los Alamitos	\$39,737	\$14,872	\$317	\$54,926	\$4,000	\$0	\$50,926	\$50,926
	Mission Viejo	\$266,039	\$121,113	\$712	\$387,864	\$112,075	\$4,867	\$270,922	\$270,000
	Newport Beach	\$872,406	\$107,596	\$12,983	\$992,985	\$6,576	\$0	\$986,409	\$676,000
	Orange (City)	\$120,235	\$178,495	\$888	\$299,618	\$125,424	\$8,924	\$165,270	\$14,664
	Placentia	\$283,104	\$185,317	\$802	\$469,223	\$265,277	\$0	\$203,946	\$203,946
	Rancho Santa Margarita	\$165,984	\$62,455	\$882	\$229,321	\$96,819	\$0	\$132,502	\$132,502
	San Clemente	\$514,534	\$83,190	\$4,904	\$602,628	\$153,492	\$0	\$449,136	\$440,635
	San Juan Capistrano	\$454,734	\$46,016	\$4,943	\$505,694	\$76,331	\$0	\$429,363	\$348,645
	Santa Ana	\$901,328	\$310,454	\$7,065	\$1,218,847	\$179,520	\$1,745	\$1,037,582	\$900,000
	Seal Beach	\$21	\$31,315	\$6	\$31,342	\$31,315	\$0	\$27	\$0

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
	Stanton	\$151,483	\$49,834	\$806	\$202,123	\$33,900	\$2,100	\$166,123	\$50,000
	Tustin	\$193,069	\$101,285	\$3,336	\$297,689	\$0	\$153	\$297,537	\$297,537
	Villa Park	\$26,978	\$7,351	\$133	\$34,462	\$0	\$368	\$34,094	\$34,329
	Westminster	\$414,671	\$117,353	\$4,377	\$536,401	\$39,991	\$5,868	\$490,542	\$480,057
	Yorba Linda	\$891,139	\$86,145	\$5,815	\$983,099	\$59,633	\$0	\$923,466	\$106,268
	County Total:	\$12,889,235	\$4,035,796	\$111,316	\$17,036,348	\$3,773,108	\$59,392	\$13,203,848	\$9,575,380
Riverside Co.									
	Banning	\$276,749	\$38,491	\$717	\$315,957	\$270,618	\$0	\$45,339	\$40,000
	Beaumont	\$175,856	\$52,525	\$313	\$228,694	\$0	\$0	\$228,694	\$175,856
	Calimesa	\$42,689	\$9,220	\$164	\$52,073	\$3,000	\$500	\$48,573	\$48,518
	Canyon Lake	\$85,781	\$13,754	\$1,109	\$100,644	\$0	\$0	\$100,644	\$100,644
	Cathedral City	\$40,153	\$67,070	\$3,179	\$110,402	\$45,063	\$0	\$65,339	\$65,000
	Coachella	\$40,443	\$40,594	(\$171)	\$80,865	\$54,763	\$0	\$26,102	\$26,000
	Corona	\$567,130	\$204,001	\$4,860	\$775,990	\$16,629	\$1,029	\$758,332	\$300,000
	County of Riverside	\$112,090	\$467,309	\$451	\$579,850	\$467,160	\$23,084	\$89,606	\$80,000
	Desert Hot Springs	\$22,558	\$35,510	\$7	\$58,075	\$37,602	\$0	\$20,473	\$20,473
	Eastvale	\$132,594	\$76,895	\$424	\$209,913	\$65,279	\$0	\$144,634	\$50,000
	Hemet	\$295,247	\$76,299	\$3,423	\$374,970	\$19,574	\$0	\$355,396	\$300,000
	Indian Wells	\$2,888	\$6,282	\$52	\$9,222	\$3,707	\$0	\$5,515	\$5,000
	Indio	\$246,852	\$106,946	\$810	\$354,608	\$233,821	\$0	\$120,787	\$60,000
	Jurupa Valley	\$404,104	\$155,822	\$115	\$560,041	\$504,490	\$1,862	\$53,689	\$46,130
	La Quinta	\$152,658	\$50,239	\$1,711	\$204,608	\$30,143	\$0	\$174,465	\$152,658
	Lake Elsinore	\$171,704	\$74,306	\$4,236	\$250,246	\$6,000	\$3,715	\$240,531	\$240,531
	Menifee	\$0	\$106,695	\$1,175	\$107,870	\$60,605	\$3,893	\$43,372	\$43,372
	Moreno Valley	\$148,776	\$250,806	\$620	\$400,202	\$253,244	\$0	\$146,958	\$100,000
	Murrieta	\$390,324	\$134,685	\$3,586	\$528,595	\$88,017	\$346	\$440,232	\$250,000
	Norco	\$95,442	\$32,852	\$371	\$128,665	\$0	\$1,500	\$127,165	\$92,000
	Palm Desert	\$76,291	\$90,786	\$547	\$167,624	\$63,684	\$0	\$103,940	\$103,940
	Palm Springs	\$5,754	\$56,600	\$502	\$62,856	\$42,700	\$2,750	\$17,406	\$10,000

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
	Perris	\$202,409	\$92,757	\$2,758	\$297,924	\$0	\$114	\$297,810	\$297,810
	Rancho Mirage	\$44,607	\$22,457	\$421	\$67,485	\$13,474	\$0	\$54,011	\$54,011
	Riverside (City)	\$729,233	\$400,233	\$2,167	\$1,131,634	\$248,944	\$20,802	\$861,887	\$468,553
	San Jacinto	\$186,761	\$58,340	\$530	\$245,631	\$0	\$2,797	\$242,834	\$110,000
	Temecula	\$566,902	\$136,553	\$4,343	\$707,798	\$450,630	\$0	\$257,168	\$257,000
	Wildomar	\$126,635	\$36,406	\$0	\$163,041	\$116,050	\$1,820	\$45,171	\$45,171
	County Total:	\$5,342,630	\$2,894,434	\$38,420	\$8,275,483	\$3,095,197	\$64,212	\$5,116,074	\$3,542,667
San Bernardino Co.									
	Big Bear Lake	\$43,018	\$4,678	\$167	\$47,863	\$0	\$0	\$47,863	\$47,863
	Chino	\$418,327	\$107,482	\$3,658	\$529,467	\$140,994	\$0	\$388,473	\$0
	Chino Hills	\$276,989	\$98,730	\$5,745	\$381,465	\$62,719	\$651	\$318,094	\$187,000
	Colton	\$185,667	\$67,881	\$1,976	\$255,524	\$52,816	\$0	\$202,708	\$52,816
	County of San Bernardino	\$150,478	\$291,663	\$3,021	\$445,162	\$210,862	\$14,583	\$219,716	\$219,716
	Fontana	\$923,488	\$260,315	\$13,524	\$1,197,327	\$309,313	\$1,400	\$886,614	\$873,783
	Grand Terrace	\$49,660	\$63,405	\$106	\$113,171	\$833	\$0	\$112,338	\$0
	Highland	\$521,411	\$84,707	\$1,677	\$607,795	\$27,435	\$3,630	\$576,730	\$343,000
	Loma Linda	\$86,457	\$30,129	\$309	\$116,895	\$51,934	\$1,507	\$63,454	\$29,300
	Montclair	\$155,807	\$48,864	\$798	\$205,469	\$23,343	\$0	\$182,126	\$182,126
	Ontario	\$1,035,678	\$215,040	\$12,732	\$1,263,449	\$88,948	\$10,752	\$1,163,750	\$1,035,678
	Rancho Cucamonga	\$533,914	\$448,461	\$11,384	\$993,759	\$112,405	\$2,239	\$879,115	\$355,260
	Redlands	\$375,642	\$89,559	\$6,695	\$471,896	\$0	\$0	\$471,896	\$212,116
	Rialto	\$258,788	\$90,549	\$2,406	\$351,743	\$90,549	\$4,527	\$256,667	\$256,667
	San Bernardino (City)	\$218,121	\$271,863	\$13,038	\$503,022	\$113,361	\$0	\$389,661	\$268,000
	Upland	\$85,902	\$96,425	\$383	\$182,710	\$47,366	\$4,821	\$130,523	\$96,425
	Yucaipa	\$285,171	\$67,318	\$1,063	\$353,552	\$237,419	\$0	\$116,133	\$116,000
	County Total:	\$5,604,517	\$2,337,069	\$78,682	\$8,020,268	\$1,570,296	\$44,110	\$6,405,862	\$4,275,750
	GRAND	\$45,783,106	\$22,099,037	\$445,617	\$68,327,760	\$19,163,200	\$343,534	\$48,821,026	\$33,967,602

Number of Local Governments: 162

Local Government Administrative Costs

Fiscal Year 2015 - 2016

Local Government	Administrative Costs	Motor Vehicle Revenues	Admin Costs as % of Revenues
Agoura Hills	\$1,200	\$26,324	5%
Alhambra	\$1,509	\$107,890	1%
Aliso Viejo	\$0	\$63,830	0%
Anaheim	\$3,054	\$445,763	1%
Arcadia	\$0	\$70,394	0%
Artesia	\$0	\$21,332	0%
Azusa	\$2,970	\$62,837	5%
Baldwin Park	\$0	\$98,031	0%
Banning	\$0	\$38,491	0%
Beaumont	\$0	\$52,525	0%
Bell	\$2,296	\$45,926	5%
Bell Gardens	\$0	\$54,159	0%
Bellflower	\$0	\$99,380	0%
Beverly Hills	\$0	\$55,481	0%
Big Bear Lake	\$0	\$4,678	0%
Brea	\$0	\$55,069	0%
Buena Park	\$0	\$103,986	0%
Burbank	\$0	\$135,162	0%
Calabasas	\$0	\$22,429	0%
Calimesa	\$500	\$9,220	5%
Canyon Lake	\$0	\$13,754	0%
Carson	\$0	\$118,680	0%
Cathedral City	\$0	\$67,070	0%
Cerritos	\$3,157	\$63,147	5%
Chino	\$0	\$107,482	0%
Chino Hills	\$651	\$98,730	1%
Claremont	\$0	\$46,092	0%
Coachella	\$0	\$40,594	0%
Colton	\$0	\$67,881	0%
Commerce	\$0	\$16,504	0%
Compton	\$5,500	\$121,403	5%
Corona	\$1,029	\$204,001	1%
Costa Mesa	\$0	\$144,554	0%
County of LA	\$0	\$1,326,337	0%
County of Orange	\$9,542	\$193,524	5%
County of Riverside	\$23,084	\$467,309	5%
County of San Bernardino	\$14,583	\$291,663	5%
Covina	\$2,270	\$61,614	4%
Cudahy	\$0	\$24,630	0%
Culver City	\$0	\$50,540	0%
Cypress	\$0	\$62,530	0%
Dana Point	\$0	\$43,449	0%
Desert Hot Springs	\$0	\$35,510	0%
Diamond Bar	\$0	\$72,066	0%
Downey	\$6,620	\$145,121	5%
Duarte	\$1,011	\$27,690	4%
Eastvale	\$0	\$76,895	0%
El Monte	\$31	\$145,508	0%
El Segundo	\$0	\$21,524	0%
Fontana	\$1,400	\$260,315	1%
Fountain Valley	\$744	\$72,515	1%
Fullerton	\$3,576	\$179,703	2%
Garden Grove	\$11,042	\$222,681	5%

Local Government	Administrative Costs	Motor Vehicle Revenues	Admin Costs as % of Revenues
Gardena	\$3,500	\$76,838	5%
Glendale	\$0	\$251,779	0%
Glendora	\$3,086	\$81,756	4%
Grand Terrace	\$0	\$63,405	0%
Hawaiian Gardens	\$0	\$18,396	0%
Hawthorne	\$840	\$111,684	1%
Hemet	\$0	\$76,299	0%
Hermosa Beach	\$0	\$25,056	0%
Hidden Hills	\$0	\$2,255	0%
Highland	\$3,630	\$84,707	4%
Huntington Beach	\$0	\$252,769	0%
Huntington Park	\$3,699	\$73,970	5%
Indian Wells	\$0	\$6,282	0%
Indio	\$0	\$106,946	0%
Inglewood	\$0	\$141,124	0%
Irvine	\$7,410	\$319,016	2%
Irwindale	\$0	\$1,741	0%
Jurupa Valley	\$1,862	\$155,822	1%
La Canada Flintridge	\$0	\$26,101	0%
La Habra	\$0	\$78,960	0%
La Habra Heights	\$0	\$10,118	0%
La Mirada	\$0	\$62,960	0%
La Palma	\$0	\$20,206	0%
La Puente	\$0	\$51,708	0%
La Quinta	\$0	\$50,239	0%
La Verne	\$0	\$41,963	0%
Laguna Beach	\$0	\$29,661	0%
Laguna Hills	\$0	\$39,354	0%
Laguna Niguel	\$0	\$82,473	0%
Laguna Woods	\$0	\$21,081	0%
Lake Elsinore	\$3,715	\$74,306	5%
Lake Forest	\$0	\$101,882	0%
Lakewood	\$4,769	\$102,167	5%
Lawndale	\$0	\$42,423	0%
Loma Linda	\$1,507	\$30,129	5%
Lomita	\$1,295	\$26,281	5%
Long Beach	\$16,662	\$600,038	3%
Los Alamitos	\$0	\$14,872	0%
Los Angeles (City)	\$61,855	\$5,041,668	1%
Lynwood	\$0	\$90,812	0%
Malibu	\$0	\$16,345	0%
Manhattan Beach	\$2,100	\$45,430	5%
Maywood	\$0	\$31,872	0%
Menifee	\$3,893	\$106,695	4%
Mission Viejo	\$4,867	\$121,113	4%
Monrovia	\$0	\$47,524	0%
Montclair	\$0	\$48,864	0%
Montebello	\$4,077	\$81,540	5%
Monterey Park	\$0	\$77,817	0%
Moreno Valley	\$0	\$250,806	0%
Murrieta	\$346	\$134,685	0%
Newport Beach	\$0	\$107,596	0%
Norco	\$1,500	\$32,852	5%
Norwalk	\$0	\$136,541	0%
Ontario	\$10,752	\$215,040	5%
Orange (City)	\$8,924	\$178,495	5%
Palm Desert	\$0	\$90,786	0%

Local Government	Administrative Costs	Motor Vehicle Revenues	Admin Costs as % of Revenues
Palm Springs	\$2,750	\$56,600	5%
Palos Verdes Estates	\$0	\$17,358	0%
Paramount	\$3,450	\$70,325	5%
Pasadena	\$0	\$180,299	0%
Perris	\$114	\$92,757	0%
Pico Rivera	\$4,082	\$81,639	5%
Placentia	\$0	\$185,317	0%
Pomona	\$10,354	\$188,273	5%
Rancho Cucamonga	\$2,239	\$448,461	0%
Rancho Mirage	\$0	\$22,457	0%
Rancho Palos Verdes	\$0	\$54,096	0%
Rancho Santa Margarita	\$0	\$62,455	0%
Redlands	\$0	\$89,559	0%
Redondo Beach	\$3,744	\$86,625	4%
Rialto	\$4,527	\$90,549	5%
Riverside (City)	\$20,802	\$400,233	5%
Rolling Hills Estates	\$0	\$10,341	0%
Rosemead	\$0	\$69,557	0%
San Bernardino (City)	\$0	\$271,863	0%
San Clemente	\$0	\$83,190	0%
San Dimas	\$2,178	\$44,093	5%
San Fernando	\$0	\$31,154	0%
San Gabriel	\$0	\$51,488	0%
San Jacinto	\$2,797	\$58,340	5%
San Juan Capistrano	\$0	\$46,016	0%
San Marino	\$0	\$21,299	0%
Santa Ana	\$1,745	\$310,454	1%
Santa Clarita	\$6,267	\$272,762	2%
Santa Fe Springs	\$0	\$22,323	0%
Santa Monica	\$5,759	\$118,852	5%
Seal Beach	\$0	\$31,315	0%
Sierra Madre	\$0	\$13,414	0%
Signal Hill	\$0	\$10,855	0%
South El Monte	\$0	\$26,418	0%
South Gate	\$5,142	\$118,700	4%
South Pasadena	\$0	\$33,213	0%
Stanton	\$2,100	\$49,834	4%
Temecula	\$0	\$136,553	0%
Temple City	\$0	\$46,083	0%
Torrance	\$0	\$187,539	0%
Tustin	\$153	\$101,285	0%
Upland	\$4,821	\$96,425	5%
Villa Park	\$368	\$7,351	5%
Walnut	\$0	\$38,519	0%
West Covina	\$1,741	\$511,853	0%
West Hollywood	\$0	\$45,509	0%
Westlake Village	\$0	\$10,596	0%
Westminster	\$5,868	\$117,353	5%
Whittier	\$4,655	\$110,448	4%
Wildomar	\$1,820	\$36,406	5%
Yorba Linda	\$0	\$86,145	0%
Yucaipa	\$0	\$67,318	0%

Local Government Projects Funded by Category

Fiscal Year 2015 - 2016

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(1) Alternative Fuels/Electric Vehicles			
(1a) Alternative Fuel Vehicle Purchases			
Alhambra		Purchase of 4 CNG Honda Civic	\$112,000
Alhambra		Purchase of 1 Ford Fusion Energi Hybrid	\$40,654
Alhambra		Purchase of 1 Hyundai Sonata Plug-In Hybrid	\$36,952
Alhambra		Purchase 1 Toyota Rav4 Hybrid	\$35,557
Alhambra		Purchase of 1 CNG Ford Crown Victoria	\$33,500
Azusa		Propane Fuel Street Sweeper Lease Payments (2)	\$17,526
Baldwin Park		Alternative Fuel Vehicle Purchase (Prius)	\$25,579
Banning		Purchased one (1) brand new CNG Street Sweeper	\$270,618
Bellflower		One Brand New Ford F-550 XL CNG Pickup Truck	\$144,970
Bellflower		One Brand New Ford F-250 CNG Pickup Truck	\$47,588
Buena Park		Honda CNG Sedans - 2	\$58,226
Calabasas		Continued lease of 7 vehicles	\$21,350
Calabasas		Lease of (1) 2016 Toyota Prius	\$777
Chino		Purchase of Freightliner Vactor	\$69,184
Chino		Purchase of Freightliner	\$65,338
Claremont		Purchase of 3 CNG Trash Trucks	\$122,531
Colton		Lease of a CNG Street Sweeper	\$52,816
Cudahy		Hybrid Vehicle Lease	\$15,005
Downey		Purchase of (3) Hybrid Vehicles	\$123,520
Duarte		Alt Fuel Vehicle Purchase	\$32,499
El Segundo		Public Works Pool Vehicle Replacement	\$26,524
Fontana		AFV Rebate Program	\$1,500
Fullerton		Purchase of CNG Street Sweeper	\$30,000
Fullerton		Alt-fuel Fords (purchase) - SULEV	\$25,865
Fullerton		Lease of 3 CNG vehicles	\$18,273
Garden Grove		Clean Vehicle Rebate program	\$17,500
Glendora		Purchased (2) CNG Shuttles	\$264,971
Hemet		Purchased Vactor Jetter CNG Truck	\$19,574
Huntington Beach		Purchase CNG Truck	\$74,614
Huntington Park		Lease of Toyota Hylander Hybrid	\$22,268
Indio		Alternative Vehicle Vactor Truck	\$160,000
Inglewood		Purchase of 17 Vehicles	\$458,804
Jurupa Valley		Purchase of 8 CNG Light Duty Trucks SULEV for City Fleet	\$285,381
Jurupa Valley		Purchase of 6 Hybrid AT-PZEV Vehicles for City Fleet	\$156,292
La Canada Flintridge		Purchase one Hybrid Chevy Volt	\$36,209
Lakewood		Purchase New Honda Civic CNG Vehicle (1 Replacement)	\$28,887
Loma Linda		Fuel efficient carpool vehicle	\$25,539
Lomita		Leasing alternative fuel street sweepers	\$15,000
Long Beach		Purchase of Plug-In Hybrid (2)	\$38,193
Los Angeles (City)		#7 Alt Fuel Purch-16 CNG Solid Waste Collection Vehicles	\$355,892
Los Angeles (City)		#6 Alt Fuel Veh Purch-3 CNG Sewer Cleaner Cab Trucks	\$125,000
Los Angeles (City)		#4 Alt Fuel Veh Purch-Three CNG Thermoplastic Trucks	\$75,000
Los Angeles (City)		#5 Alt Fuel Veh Purch-Three 2015 CNG Broom Bear Sweepers	\$75,000
Los Angeles (City)		#1 Purchase-Two (2) CNG Traffic Paint Striper Trucks	\$50,000
Los Angeles (City)		#2 Alt Fuel Veh Purch-One CNG 4X4 Lube and Fuel Truck	\$25,000
Los Angeles (City)		#3 Alt Fuel Veh Purch-One 2016 CNG 4X4 Lube and Fuel Truck	\$25,000
Manhattan Beach		CNG Bus Purchase	\$128,499
Menifee		Hybrid Vehicle Purchase	\$49,319
Norwalk		Purchase of Two CNG Vehicles	\$67,866

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
Paramount		Purchase of (2) Hybrid Vehicles	\$94,712
Pico Rivera		Lease payments of (6) Hybrid Vehicles (2014 Toyota Prius C)	\$15,524
Santa Monica		Hydrogen Powered Vehicle Lease	\$3,298
South El Monte		Hybrid (1) Vehicle Lease	\$809
South Gate		Alternative Fuel Vehicle Lease	\$22,583
Stanton		Purchased (1) RAV4 Hybrid Code Enforcement Vehicle	\$32,490
Temple City		Lease of 7 Hybrid Vehicles	\$37,301
Upland		Vehicle Purchase	\$31,578
Walnut		Purchase of Hybrid Vehicle	\$10,000
West Covina		West Covina PD - Parking Enforcement Vehicle	\$30,400
Yorba Linda		Fleet Vehicle Replacement Program	\$25,633
		Subcategory Total	\$4,312,486
	(1b) Alternative Fuel Vehicle Conversions		
Irvine		CNG Sweeper Conversion	\$65,250
Irvine		CNG Vehicles Conversion	\$46,468
Irvine		CNG Vehicles Conversion	\$35,000
Irvine		CNG Patcher Conversion	\$35,000
Long Beach		Purchase/Conversion of Medium-duty Truck	\$10,400
Rosemead		Convert 5 Transit buses from Gas to Propane	\$130,140
		Subcategory Total	\$322,258
	(1c) Alternative Fuel Infrastructure (refueling, etc.)		
El Monte		Fuel Cost for Alternative Fuel Vehicle	\$595
Fullerton		CNG Station Upgrades	\$95,330
Jurupa Valley		Fuel Costs for (8) 2016 CNG Ford F150 Trucks	\$5,697
Los Angeles (City)		BOE Alt Fuel Infrastructure Eng Design & Tech Support	\$171,814
Menifee		Fuel Purchases for 12 alternative fuel vehicles	\$11,285
Monterey Park		CNG Upgraded Station	\$70,552
Ontario		Compressed Natural Gas - Slow Fill Posts	\$51,342
Rancho Cucamonga		CNG Fuel Station Expansion	\$88,328
West Covina		CNG Fuel Station	\$5,448
		Subcategory Total	\$500,392
	(1d) Electric Vehicle Purchases		
Coachella		Electric Car Purchase (1)	\$21,392
County of Orange		Electric Forklift Replacement Program, Purchase-1 Unit	\$39,509
County of Orange		Electric Forklift Replacement Program, Purchase-1 Unit	\$32,300
Eastvale		Purchase City Electrical Vehicle	\$33,248
Fullerton		Alt-fuel Fords (purchase) - ZEV	\$40,758
Huntington Park		Purchase of Gator Electric Vehicle	\$11,140
Huntington Park		Lease of (1) Electric Vehicle	\$4,902
Lomita		Lease of (1) Electric Vehicle to replace gas vehicle	\$1,946
Long Beach		Purchase of light duty electric vehicles (4)	\$110,567
Murrieta		Purchase of Two (2) Chevy Volt fleet vehicles	\$69,220
Placentia		Purchase of 10 Chevy Spark electric vehicles	\$53,507
Riverside (City)		Electric Vehicle Rebate Program	\$7,500
San Gabriel		Gator Electric Utility Vehicle	\$11,639
Santa Ana		Electric Vehicle Lease (2)	\$12,097
Santa Monica		Electric Vehicle Purchases	\$32,850
		Subcategory Total	\$482,574

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(1f) Electric Veh Infrastructure			
Chino Hills		Electric Vehicle Charging Stations	\$24,919
Claremont		Electrical Vehicle Charging Station Enhancements	\$2,258
County of Orange		EV Charging Station Purchase-9 units	\$5,604
Downey		EV Charging Stations	\$16,951
Hawaiian Gardens		Electric Charging Stations	\$13,085
La Canada Flintridge		EV Charging Station Install	\$12,081
Long Beach		Electric Vehicle Charging Stations	\$8,480
Los Angeles (City)		EV Charging Stations	\$27,400
Manhattan Beach		EV Charging Stations	\$28,786
Murrieta		Purchase and install of electric vehicle charging station	\$18,797
Ontario		Electric Vehicle Charging Station	\$8,000
Orange (City)		Electric Car Charging Stations	\$248
Palm Desert		Electric Vehicle DC Fast Charger Project	\$19,405
Palm Desert		ChargePoint Network Service	\$3,977
Placentia		Electric Vehicle Charging Stations	\$37,310
Rosemead		Charging Station Installation	\$16,000
San Dimas		Charging Station Fuel Usage	\$3,570
Santa Monica		Electric Vehicle Infrastructure Purchase	\$9,176
Subcategory Total			\$256,046
Category Total			\$5,873,757
(2) Vehicle Emissions Abatement			
(2d) On-road CARB-verified Diesel Emission Control Systems--VDECS			
Indio		Diesel Emission Control Device	\$9,653
Subcategory Total			\$9,653
Category Total			\$9,653
(3) Land Use			
(3a) Plan Elements			
Bell Gardens		Gateway Cities COG Strategic Transp Plan Development	\$12,000
Bell Gardens		Gateway Cities COG - I-710 Major Corridor Study	\$10,000
Lakewood		Dev. Gateway COG Strategic Transportation Plan	\$10,000
Long Beach		Develop Gateway COG Transportation Plan	\$19,500
Mission Viejo		City of Mission Viejo Air Quality Planning: FY 15-16	\$42,532
Pico Rivera		Gateway Cities COG - Develop Strategic Transportation Plan	\$10,600
Santa Ana		General Plan Land Use Designations	\$13,788
Santa Ana		General Plan Circulation Element	\$2,945
Santa Ana		Downtown Complete Streets Plan	\$469
Whittier		Dev. Gateway Cities COG Strategic Transportation Plan	\$15,497
Subcategory Total			\$137,331
(3c) Facilities (Pedestrian, mixed use, etc.)			
Buena Park		SCE Corridor Trail - Pedestrian Path and Bikeway	\$13,195
Fontana		San Sevaive Pedestrian/Bicycle Trail Design Work	\$6,255
Fontana		Pedestrian Sidewalk Improvements @ Marygold/Lombardy	\$888
Santa Clarita		Vista Cyn Regional Transit Center	\$31,993
Subcategory Total			\$52,332
(3d) Land Use Research			
Fontana		Malaga Pedestrian Bridge Study	\$26,000
Santa Ana		OCTA Harbor Fixed Guideway Feasibility Study	\$848
Subcategory Total			\$26,848
Category Total			\$216,511

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(4) Public Transportation (Transit & Rail)			
(4a) Public Transportation Facilities (multi-modal, shelters)			
Cerritos		Architectural Design Services for Fixed-Route Bus Stops	\$850
Chino Hills		Bus Shelter	\$37,800
Fontana		Bus Stop and Pedestrian Sidewalk Improvements	\$130,491
Fontana		Juniper @ Metrolink Crossing	\$22,365
Fontana		Sierra @ Metrolink Crossing	\$21,291
Irvine		Security Service at Irvine Station	\$164,424
Irvine		Purchase of Two Benches near UCI Stop	\$2,784
		Subcategory Total	\$380,005
(4c) Transit Operations (new service, shuttles, fuel subsidies)			
Anaheim		ART Shuttle - Route 17	\$47,272
Carson		Public Transportation Services with two (2) new CNG Buses	\$97,169
Duarte		Senior Shuttle Service	\$935
Grand Terrace		Senior Transportation Program	\$833
Huntington Beach		4th of July/U.S. Open Shuttle Service	\$20,305
La Habra		Shuttles to transport Seniors	\$78,960
Rancho Palos Verdes		Public Transit/Fixed Route Shuttle Service	\$48,145
Rancho Palos Verdes		Public Transit/Fixed Route Shuttle Service	\$5,951
San Juan Capistrano		Trolley Program	\$49,755
Seal Beach		Senior Transportation Nutrition Shuttle	\$31,315
Temecula		Route 55 Temecula Trolley Services	\$17,049
		Subcategory Total	\$397,689
(4d) Passenger Fare Subsidies			
Anaheim		Metrolink OCTA	\$118,556
Arcadia		Passenger Fare Subsidies	\$1,832
Azusa		Transit Pass Subsidy	\$13,653
Burbank		Employee Transit Subsidies	\$24,282
Claremont		Employees Using Public Transportation (2 Employees)	\$2,772
Compton		Transit Subsidies	\$65,000
Corona		Corona Cruiser Passenger Fare Subsidy	\$16,629
Covina		Commuter Choice Reimbursement Program	\$2,981
El Monte		Transit Subsidies	\$6,500
Garden Grove		Transit Subsidy Program (Metrolink & Bus)	\$8,479
Glendale		Transit Fare Subsidy	\$72,500
Glendora		Alternative Commute Program - Public Transit Component	\$737
Laguna Beach		Main Line Transit Service	\$14,796
Laguna Beach		Ride to Work Bus Pass Program	\$8,325
Los Angeles (City)		Commute Options-Rail and Bus Transit Subsidy Program	\$384,481
Monrovia		Discount Bus Pass Program	\$6,082
Monterey Park		Transit Subsidies	\$2,045
Norwalk		Transit Subsidy	\$26,000
Pasadena		Employee Transit Pass Subsidies	\$49,050
Pasadena		Go Verdugo Transit Subsidy Program	\$1,421
Riverside (City)		Riverside Go Transit Bus Pass Subsidy Program	\$76,077
Riverside (City)		City Pass Program	\$14,173
Santa Fe Springs		GO RIO	\$2,062
South El Monte		Bus Pass Subsidy Program	\$6,905
Walnut		Bus Pass Subsidies	\$8,766
West Hollywood		Employee Transit Subsidies	\$10,380
		Subcategory Total	\$944,483
(4e) Public Transportation Research and Dev			
San Clemente		San Clemente Trolley/Local Circulator Study	\$8,500
		Subcategory Total	\$8,500
		Category Total	\$1,730,678

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(5) Traffic Management			
(5a) Traffic Calming			
Costa Mesa		Construct Intersection Chockers/Medians - E. 19th St	\$1,013
Diamond Bar		Neighborhood Traffic Management	\$75
Huntington Park		Pacific Blvd Revitalization	\$60,123
Long Beach		6th Street Traffic Calming	\$63,862
Los Angeles (City)		Traffic Calming	\$907,463
Rancho Santa Margarita		Speed Feedback Signs	\$20,470
Rancho Santa Margarita		Trabuco Mesa Elementary School Signing & Striping	\$13,776
San Clemente		North Beach Traffic Calming	\$144,992
San Juan Capistrano		Neighbor Traffic Calming Project	\$17,911
Subcategory Total			\$1,229,685
(5b) Traffic Flow or Signalization (timing, surveillance)			
Anaheim		Traffic Signal Synchronization	\$124,072
Artesia		Pre-Emption Replacement	\$3,259
Costa Mesa		Bristol St. Traffic Synchronization Project	\$125,396
Costa Mesa		Harbor Blvd. Widening	\$84,193
Costa Mesa		Newport Blvd. Traffic Synchronization Project	\$81,167
Costa Mesa		Adams Ave. Traffic Synchronization Project	\$36,504
Costa Mesa		Fairview Rd. Traffic Signal Synchronization Project	\$6,957
Costa Mesa		Sunflower Ave. & Anton Blvd. Signal Improvements	\$6,414
Costa Mesa		Victoria St. & Valley Rd. Improvements	\$3,041
Costa Mesa		Baker St./Placentia Ave. Traffic Signal Sync Project	\$2,533
Costa Mesa		Sunflower Ave. Traffic Synchronization Project	\$2,499
Costa Mesa		Victoria St. Traffic Signal Synchronization Project	\$1,016
Costa Mesa		17th. St. Signal Synchronization Project	\$709
Diamond Bar		Traffic Signal Infrastructure Upgrades - Design	\$13,672
Eastvale		Hamner Ave Traffic Signal Synchronization	\$32,031
Fontana		Traffic Signal Upgrade on Sierra @ 1-15 FWY	\$46,463
Fontana		Traffic Timing Improvements at Sierra Lakes Pkwy	\$41,043
Highland		Signal Synchronization	\$3,105
Huntington Beach		Traffic Signal Synchronization	\$178,750
Huntington Beach		Traffic Management Software (Updates and maintain)	\$11,754
Irwindale		Left Turn Phasing Peck Rd and Longden Construction	\$1,750
Laguna Niguel		Traffic Signal Coordination	\$26,677
Lake Forest		Saddleback Ranch Road Traffic Enhancements	\$148,281
Lake Forest		Jeronimo Traffic Signal Synchronization	\$41,509
Lake Forest		Prof Serv-Traffic Engineer for Traffic Signal Monitoring	\$35,786
Lake Forest		Trabuco Road Traffic Signal Synchronization	\$29,944
Lake Forest		Bake Parkway Traffic Signal Synchronization	\$27,557
Lake Forest		Signal Maintenance Centracs Software	\$5,738
Lake Forest		Barranca/Muirlands Traffic Signal Synchronization	\$4,298
Lake Forest		Traffic Signal System Communications Enhancements	\$3,047
Lake Forest		Alton Parkway Traffic Signal Synchronization	\$3,020
Lake Forest		Santa Margarita Pkwy Traffic Signal Synchronization	\$86
Loma Linda		Signal Coordination	\$7,195
Los Angeles (City)		Automatic Traffic Surveillance and Control (ATSAC) Center	\$1,104,624
Mission Viejo		City of Mission Viejo Traffic Signal Synchronization: FY15-16	\$69,543
Moreno Valley		Traffic Signal Coordination Program	\$77,589
Placentia		Kraemer Blvd Traffic Signal Synchronization	\$162,260
Placentia		Rose Drive Traffic Signal Synchronization	\$12,200
Pomona		Traffic Operations Communication Upgrade	\$49,083
Rancho Santa Margarita		Antonio Parkway Signal & Equipment Upgrade	\$62,317
Rancho Santa Margarita		SMP Signal & Equipment Upgrade	\$256
Riverside (City)		Riverside Traffic Management Center	\$28,590
San Juan Capistrano		Regional Traffic Synchronization Program	\$403
Santa Clarita		ITS Phase IV Intelligent Transportation System (10009)	\$30,356
Subcategory Total			\$2,736,687

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(5c) Alternate Mode Signalization (transit/bike pre-emption)			
Costa Mesa		Install Bicycle Signal on Placentia Ave	\$8,931
San Juan Capistrano		Countdown Pedestrian Signals Project	\$1,008
		Subcategory Total	\$9,939
(5d) Traffic Management Research and Dev			
Huntington Beach		Citywide Traffic Count Analysis	\$5,823
		Subcategory Total	\$5,823
		Category Total	\$3,982,133
(6) Transportation Demand Management			
(6a) Employer-Based Trip Reduction			
Anaheim		Trip Reduction Program	\$69,717
Arcadia		Employer Based Trip Reduction Program	\$13,473
Azusa		Rideshare Financial Incentives	\$9,747
Baldwin Park		Employee Transportation Program - Monthly Gift Card Drawing	\$3,278
Bell Gardens		Employee Rideshare Subsidies	\$197
Burbank		Employee Rideshare Subsidies	\$38,895
Carson		Breathe - Employee Rideshare Program	\$18,940
Cerritos		Employee Rideshare Trip Rebate Program	\$29,407
Commerce		Employer Based Trip Reduction	\$16,504
Compton		Employee Rideshare Incentives	\$65,000
County of LA		Countywide Trip Reduction Services/Outreach	\$304,376
County of Orange		Employee Rideshare Program	\$35,000
County of Riverside		Commuter Services Program	\$196,424
County of San Bernardino		Employee Commute Reduction Program	\$185,331
Covina		Commuter Rideshare Program	\$580
Downey		Downey Employees "Thumbs Up" Commuting Program	\$141,194
El Monte		Monthly Rideshare Incentives	\$34,600
Fontana		Rule 2022 Rideshare Subsidies & Activities	\$13,016
Garden Grove		TDM Services	\$39,671
Glendale		Employer Based Trip Reduction Program	\$91,812
Glendora		Alternative Commute Program - Carpool Component	\$6,976
Glendora		Alternative Commute Program - Walking Component	\$3,626
Glendora		Alternative Commute Program - Bicycle Component	\$1,234
Hawthorne		Financial Incentives for rideshare	\$1,990
Hermosa Beach		AQMD Incentives to reduce auto trips	\$2,130
Huntington Beach		Employee Rideshare Program	\$11,150
La Verne		Ride Share Program	\$12,982
Los Angeles (City)		Vanpool Program	\$723,753
Los Angeles (City)		Carpool Program	\$145,540
Los Angeles (City)		Walk Subsidy	\$16,381
Los Angeles (City)		Bicycle Transit Incentive Program	\$12,832
Manhattan Beach		Employee Rideshare Program	\$10,320
Monrovia		Employee Commute Reduction Program (ECRP)	\$6,082
Montclair		Employer Rideshare Program	\$23,343
Montebello		Employee Commute Reduction Program	\$27,624
Monterey Park		Employer Transportation Program	\$13,638
Newport Beach		Employee Rideshare Program	\$6,576
Ontario		Rideshare	\$29,606
Orange (City)		Trip Reduction Program	\$118,665
Palm Desert		City Rideshare Program	\$1,475
Palm Springs		Rideshare Subsidy	\$7,269
Pasadena		Pridesare	\$72,794
Rancho Cucamonga		Employer Ride Share Program	\$24,077
Redondo Beach		Employee Rideshare	\$39,652
Rialto		Rideshare Program	\$90,549
Riverside (City)		Employee Rideshare Program	\$2,989
San Bernardino (City)		Employee Rideshare Program	\$113,361
Santa Ana		Blue Skies Ride share Program	\$149,372

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
Santa Clarita		Rideshare	\$2,305
South Gate		Employee Rideshare Program	\$2,486
Stanton		Employee Commute Incentive Program	\$1,410
Torrance		Employee Trip Reduction	\$146,821
Upland		Rideshare Activities	\$15,788
West Hollywood		Alternative Transportation Program	\$41,080
Westminster		Employee Rideshare Program	\$17,476
Whittier		Employee Rideshare	\$5,862
		Subcategory Total	\$3,216,377
	(6b) Other Trip Reduction Incentive Programs		
San Juan Capistrano		Sr. Nutritional Transportation Program	\$7,254
		Subcategory Total	\$7,254
	(6c) Vanpool Programs		
Anaheim		Citywide Vanpool Program	\$81,037
County of San Bernardino		Vanpool Subsidy Program	\$25,531
Garden Grove		Vanpool Program - Conventional Gasoline	\$50,745
Garden Grove		Vanpool Program - CNG	\$38,734
Westminster		Employee Vanpool Program	\$22,515
		Subcategory Total	\$218,562
	(6d) Park and Ride Lots (for carpools, transit)		
Temecula		Temecula Park and Ride	\$423,581
		Subcategory Total	\$423,581
	(6f) Transportation Management Agencies/Organizations		
Glendale		Transportation Management Agency Services	\$8,111
Irvine		Irvine Spectrum Transportation Management Association	\$3,694
		Subcategory Total	\$11,805
		Category Total	\$3,877,579
(8) Bicycles			
	(8a) Bicycle Lanes and Trails (also bridges)		
Long Beach		Class II Bike Lanes to LA River	\$114,829
Long Beach		Protected Bike Lanes on 3rd and Broadway	\$21,915
Long Beach		Class I Willow Bike Path to San Gabriel River	\$520
Pasadena		Class II Painted Bicycle Lanes	\$24,917
Riverside (City)		Market Street Bike Lane Installation	\$50,000
Riverside (City)		SAR Bike Trail Blind Curve Reconfiguration	\$6,092
Yorba Linda		Bike lane enhancement program	\$34,000
Yucaipa		4th Street Curb, Gutter, Sidewalk	\$75,000
Yucaipa		13th Street Curb, Gutter, Sidewalks	\$63,323
Yucaipa		Avenue D Curb, Gutter, Sidewalk	\$41,894
Yucaipa		Avenue E Curb, Gutter, Sidewalk	\$22,000
Yucaipa		2nd Street Curb, Gutter, Sidewalk	\$18,000
Yucaipa		12th and 13th Streets Curb, Gutter, Sidewalk	\$14,992
Yucaipa		Avenue E Curb, Gutter, Sidewalk	\$1,587
Yucaipa		12th Street Curb, Gutter, Sidewalk	\$488
Yucaipa		Avenue E Curb, Gutter Sidewalk	\$135
		Subcategory Total	\$489,691
	(8b) Other Bicycle Facilities (racks, lockers, loop detectors)		
Beverly Hills		Bicycle Share Program	\$91,261
Cerritos		Purchase of Bike Racks for City Facilities	\$855
Irvine		San Diego Creek Trail Lights Implementation	\$57,250
Long Beach		Bicycles - Fix It Stations	\$45,555
Los Angeles (City)		Bike Share, Bicycle Parking and Bike Repair Stations	\$22,024
Riverside (City)		Bicycle Racks	\$1,897
		Subcategory Total	\$218,842

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(8c) Bicycle Usage (electric bikes, purchases, loaner projects)			
Culver City		Purchase of 3 Police Patrol Bicycles	\$5,786
Garden Grove		Bicycle Loan Program	\$2,642
Huntington Park		Bicycle Patrol	\$8,009
Lomita		Purchase of standard bicycle in lieu of gas powered vehicle	\$502
Long Beach		Bike Share Program	\$305,297
Orange (City)		Orange Police Bike Team	\$4,791
Orange (City)		Bike Loan to Own Program	\$1,721
Santa Clarita		Bike to Work/Santa Clarita	\$2,685
West Hollywood		Bike Share Program for Employees	\$22,245
Subcategory Total			\$353,678
(8d) Bicycle Research and Dev (engineering studies)			
Cerritos		Bicycle Through Cerritos	\$1,400
Fullerton		Bike Blvd. Pilot Prog. Efficiency Study	\$17,540
Highland		STR14001 West Highland Bikeways Infrastructure & Public Outreach	\$24,330
Subcategory Total			\$43,270
Category Total			\$1,105,481
(9) PM Reduction Strategies			
(9a) Road Dust Control (paving roads, shoulders, street sweeping)			
Cathedral City		Regional PM10 Street Sweeping Program	\$40,242
Coachella		Regional PM10 Street Sweeping Program	\$33,372
County of Riverside		Regional PM10 Street Sweeping Program	\$38,554
Desert Hot Springs		Regional PM10 Street Sweeping Program	\$21,306
Desert Hot Springs		Local Street Sweeping Operation - Pacific Sweeping	\$8,148
Desert Hot Springs		Local Street Sweeping Operation - Pacific Sweeping	\$8,148
El Monte		Regional PM10 Street Sweepers Contract (2 Vehicles)	\$98,184
Hawthorne		PM10 Reduction Street Sweeping project	\$100,000
Indian Wells		Regional PM 10 Street Sweeping Program	\$3,707
Indio		Regional PM10 Street Sweeping Program	\$64,167
Jurupa Valley		Contract Street Sweeping	\$57,120
La Quinta		Regional PM10 Street Sweeping Program	\$30,143
Loma Linda		City Street Sweeping Program	\$19,200
Moreno Valley		Street Sweeping Program	\$160,655
Norwalk		Cleaner Street Sweeping Contract	\$87,564
Palm Desert		Regional PM10 Street Sweeping Program	\$38,827
Palm Springs		Regional PM10 Street Sweeping Program	\$35,431
Rancho Mirage		Regional PM10 Street Sweeping Program	\$13,474
Walnut		Street Sweeping with CNG Sweeper	\$50,860
Wildomar		Unpaved Roadway Program	\$116,050
Subcategory Total			\$1,025,153
Category Total			\$1,025,153
(10) Public Education			
(10a) Short Term PE (promote transit, rideshare; conferences)			
Anaheim		Rideshare Outreach	\$32,490
Burbank		Commute Program Outreach	\$9,000
Costa Mesa		Bicycle Safety Education at Sixteen Schools	\$7,144

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
Glendale		Commute Program Outreach	\$20,000
Glendora		Bicycle Rally	\$438
Long Beach		2016 Active Transportation Public Education Event	\$83,730
Long Beach		Bike Share Marketing	\$22,852
Los Angeles (City)		Air Quality Education and CicLAvia	\$280,025
Pasadena		Commute Program Outreach	\$18,000
Pasadena		Bike to Work Week 2016 Promotional/Marketing Activities	\$9,976
Santa Clarita		Bike to Work Program Promo & Advertise	\$3,798
Santa Clarita		Rideshare Program Promo & Advertise	\$95
		Subcategory Total	\$487,548
	(10b) Long Term PE (curriculum, video, brochures, bilingual)		
Cathedral City		Public Education	\$4,821
Santa Clarita		Green Guide	\$311
Santa Monica		Public Education - AltCar Expo Sponsorship	\$10,000
		Subcategory Total	\$15,132
		Category Total	\$502,680
(11) Miscellaneous Projects			
	(11a) Miscellaneous (use with "Miscellaneous Projects" Category)		
Alhambra		SCAQMD Rule 2202 AQIP Option	\$20,016
Bell		Eco Rapid Transit Transportation Sponsorship	\$4,000
Burbank		Start-Up Costs - Trip Planning Website	\$3,500
Calimesa		WRCOG Clean Cities Activities	\$3,000
Chino		Vehicle Emission Credits Purchased	\$5,930
Chino		Emission Credit Filing Fee	\$542
Costa Mesa		Rule 2202 Implementation - Purchase Emission Credits	\$6,887
County of Riverside		Purchase of Mobile Source Emission Reduction Credits	\$218,935
County of Riverside		Rule 2202 Multisite Cluster Registration	\$7,376
County of Riverside		Audit of AB 2766 Revenue and Expense	\$5,870
El Monte		Rule 2202 Filing Fees	\$772
Fullerton		Rule 2202 Emission Credits	\$21,170
Fullerton		Electronic Plan Check System	\$1,494
Gardena		Gardena Rule 2202 Compliance	\$657
Glendale		Start-Up Costs - Trip Planning Website	\$15,000
Huntington Beach		Rule 2202 filing	\$1,033
Huntington Park		Mounted Horse Police Patrol Supplies	\$193
Irvine		Purchase Rule 2202 Emission Credits	\$7,851
Lake Elsinore		Clean Cities Coalition (WRCOG)	\$6,000
Lomita		Online Submittal System	\$2,500
Long Beach		Rule 2202 Emissions Credit Purchase	\$35,691
Los Alamitos		Reduce Traffic to/from City Hall by providing online srves	\$4,000
Los Angeles (City)		Annual AB 2766 Audit	\$280,025
Los Angeles (City)		Green Taxi Program	\$50,926
Los Angeles (City)		Alternative Commute/Car Sharing Program Development	\$21,220
Moreno Valley		WRCOG - Clean Cities Coalition	\$15,000
Norwalk		AB 2766 Audit Expenses	\$2,585
Pasadena		Trip Planner Website Startup Costs	\$7,000
Pomona		Purchase of Emission Credits	\$4,500
Riverside (City)		ProjectDox	\$38,226
Riverside (City)		AQMD Rule 2202 Compliance - Purchase Emission Credits	\$23,400
Temecula		WRCOG Clean Cities Coalition	\$10,000
West Covina		Air Quality Investment Program (AQIP)	\$5,555
West Covina		AQMD 2766 Annual Audit Fee	\$1,584
Whittier		Rule 2202 Compliance - Emission Credits Purchased	\$7,136
		Subcategory Total	\$839,576
		Category Total	\$839,576
		GRAND TOTAL:	\$19,163,200

Percent of Project Expenditures by Project Category

Fiscal Year 2015 - 2016

Project Category	Project Expenditures	Percent of Total Project Expenditures	Number of Projects
(1) Alternative Fuels/Electric Vehicles	\$5,873,757	31%	108
(5) Traffic Management	\$3,982,133	21%	56
(6) Transportation Demand Management	\$3,877,579	20%	65
(4) Public Transportation (Transit & Rail)	\$1,730,678	9%	45
(8) Bicycles	\$1,105,481	6%	34
(9) PM Reduction Strategies	\$1,025,153	5%	20
(11) Miscellaneous Projects	\$839,576	4%	35
(10) Public Education	\$502,680	3%	15
(3) Land Use	\$216,511	1%	16
(2) Vehicle Emissions Abatement	\$9,653	0%	1
	\$19,163,200	100%	395

Summary of Spending by Project SubCategory

Fiscal Year 2015 - 2016

Subcategory	Category	Expenditures by Subcategory	Number of Projects
(1) Alternative Fuels/Electric Vehicles			
(1a)	Alternative Fuel Vehicle Purchases	\$4,312,486	60
(1b)	Alternative Fuel Vehicle Conversions	\$322,258	6
(1c)	Alternative Fuel Infrastructure (refueling, etc.)	\$500,392	9
(1d)	Electric Vehicle Purchases	\$482,574	15
(1f)	Electric Veh Infrastructure	\$256,046	18
(2) Vehicle Emissions Abatement			
(2d)	On-road CARB-verified Diesel Emission Control Systems--	\$9,653	1
(3) Land Use			
(3a)	Plan Elements	\$137,331	10
(3c)	Facilities (Pedestrian, mixed use, etc.)	\$52,332	4
(3d)	Land Use Research	\$26,848	2
(4) Public Transportation (Transit & Rail)			
(4a)	Public Transportation Facilities (multi-modal, shelters)	\$380,005	7
(4c)	Transit Operations (new service, shuttles, fuel subsidies)	\$397,689	11
(4d)	Passenger Fare Subsidies	\$944,483	26
(4e)	Public Transportation Research and Dev	\$8,500	1
(5) Traffic Management			
(5a)	Traffic Calming	\$1,229,685	9
(5b)	Traffic Flow or Signalization (timing, surveillance)	\$2,736,687	44
(5c)	Alternate Mode Signalization (transit/bike pre-emption)	\$9,939	2
(5d)	Traffic Management Research and Dev	\$5,823	1
(6) Transportation Demand Management			
(6a)	Employer-Based Trip Reduction	\$3,216,377	56
(6b)	Other Trip Reduction Incentive Programs	\$7,254	1
(6c)	Vanpool Programs	\$218,562	5
(6d)	Park and Ride Lots (for carpools, transit)	\$423,581	1
(6f)	Transportation Management Agencies/Organizations	\$11,805	2
(8) Bicycles			
(8a)	Bicycle Lanes and Trails (also bridges)	\$489,691	16
(8b)	Other Bicycle Facilities (racks, lockers, loop detectors)	\$218,842	6

Subcategory	Category	Expenditures by Subcategory	Number of Projects
(8c)	Bicycle Usage (electric bikes, purchases, loaner projects)	\$353,678	9
(8d)	Bicycle Research and Dev (engineering studies)	\$43,270	3
(9) PM Reduction Strategies			
(9a)	Road Dust Control (paving roads, shoulders, street sweeping)	\$1,025,153	20
(10) Public Education			
(10a)	Short Term PE (promote transit, rideshare; conferences)	\$487,548	12
(10b)	Long Term PE (curriculum, video, brochures, bilingual)	\$15,132	3
(11) Miscellaneous Projects			
(11a)	Miscellaneous (use with "Miscellaneous Projects" Category)	\$839,576	35
Grand Total		\$19,163,200	395

Project Funding Sources

Fiscal Year 2015 - 2016

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Agoura Hills					
	\$0	\$0	\$0	\$0	\$0
Alhambra					
Purchase 1 Toyota Rav4 Hybrid	\$35,557	\$0	\$0	\$0	\$0
Purchase of 1 CNG Ford Crown Victoria	\$33,500	\$0	\$0	\$0	\$0
Purchase of 1 Ford Fusion Energi Hybrid	\$40,654	\$0	\$0	\$0	\$0
Purchase of 1 Hyundai Sonata Plug-In Hybrid	\$36,952	\$0	\$0	\$0	\$0
Purchase of 4 CNG Honda Civic	\$112,000	\$0	\$0	\$0	\$0
SCAQMD Rule 2202 AQIP Option	\$20,016	\$0	\$0	\$0	\$0
Aliso Viejo					
	\$0	\$0	\$0	\$0	\$0
Anaheim					
ART Shuttle - Route 17	\$47,272	\$0	\$0	\$0	\$4,674
Citywide Vanpool Program	\$81,037	\$0	\$0	\$0	\$17,018
Metrolink OCTA	\$118,556	\$0	\$0	\$0	\$21,446
Rideshare Outreach	\$32,490	\$0	\$0	\$0	\$3,212
Traffic Signal Synchronization	\$124,072	\$0	\$0	\$0	\$12,267
Trip Reduction Program	\$69,717	\$0	\$0	\$0	\$6,893
Arcadia					
Employer Based Trip Reduction Program	\$13,473	\$0	\$0	\$0	\$0
Passenger Fare Subsidies	\$1,832	\$0	\$0	\$0	\$0
Artesia					
Pre-Emption Replacement	\$3,259	\$0	\$0	\$0	\$0
Azusa					
Propane Fuel Street Sweeper Lease Payments (2)	\$17,526	\$0	\$0	\$0	\$5,875
Rideshare Financial Incentives	\$9,747	\$0	\$0	\$0	\$0
Transit Pass Subsidy	\$13,653	\$0	\$0	\$0	\$0
Baldwin Park					
Alternative Fuel Vehicle Purchase (Prius)	\$25,579	\$0	\$0	\$0	\$0
Employee Transportation Program - Monthly Gift Card Drawing	\$3,278	\$0	\$0	\$0	\$7,640

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Banning					
Purchased one (1) brand new CNG Street Sweeper	\$270,618	\$30,000	\$0	\$0	\$0
Beaumont					
	\$0	\$0	\$0	\$0	\$0
Bell					
Eco Rapid Transit Transportation Sponsorship	\$4,000	\$0	\$0	\$0	\$0
Bell Gardens					
Employee Rideshare Subsidies	\$197	\$0	\$0	\$0	\$0
Gateway Cities COG - I-710 Major Corridor Study	\$10,000	\$0	\$0	\$0	\$0
Gateway Cities COG Strategic Transp Plan Development	\$12,000	\$0	\$0	\$0	\$0
Bellflower					
One Brand New Ford F-250 CNG Pickup Truck	\$47,588	\$0	\$0	\$0	\$0
One Brand New Ford F-550 XL CNG Pickup Truck	\$144,970	\$0	\$0	\$0	\$0
Beverly Hills					
Bicycle Share Program	\$91,261	\$0	\$0	\$0	\$0
Big Bear Lake					
	\$0	\$0	\$0	\$0	\$0
Brea					
	\$0	\$0	\$0	\$0	\$0
Buena Park					
Honda CNG Sedans - 2	\$58,226	\$0	\$0	\$0	\$0
SCE Corridor Trail - Pedestrian Path and Bikeway	\$13,195	\$0	\$0	\$0	\$0
Burbank					
Commute Program Outreach	\$9,000	\$0	\$0	\$0	\$0
Employee Rideshare Subsidies	\$38,895	\$0	\$0	\$0	\$0
Employee Transit Subsidies	\$24,282	\$0	\$0	\$0	\$0
Start-Up Costs - Trip Planning Website	\$3,500	\$0	\$0	\$0	\$0
Calabasas					
Continued lease of 7 vehicles	\$21,350	\$0	\$0	\$0	\$0
Lease of (1) 2016 Toyota Prius	\$777	\$0	\$0	\$0	\$0
Calimesa					
WRCOG Clean Cities Activities	\$3,000	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Canyon Lake					
	\$0	\$0	\$0	\$0	\$0
Carson					
Breathe - Employee Rideshare Program	\$18,940	\$0	\$0	\$0	\$0
Public Transportation Services with two (2) new CNG Buses	\$97,169	\$60,000	\$0	\$0	\$346,911
Cathedral City					
Public Education	\$4,821	\$0	\$0	\$0	\$0
Regional PM10 Street Sweeping Program	\$40,242	\$0	\$0	\$0	\$0
Cerritos					
Architectural Design Services for Fixed-Route Bus Stops	\$850	\$0	\$0	\$0	\$0
Bicycle Through Cerritos	\$1,400	\$0	\$0	\$0	\$0
Employee Rideshare Trip Rebate Program	\$29,407	\$0	\$0	\$0	\$0
Purchase of Bike Racks for City Facilities	\$855	\$0	\$0	\$0	\$0
Chino					
Emission Credit Filing Fee	\$542	\$0	\$0	\$0	\$0
Purchase of Freightliner	\$65,338	\$0	\$0	\$0	\$0
Purchase of Freightliner Vactor	\$69,184	\$0	\$0	\$0	\$0
Vehicle Emissions Credits Purchased	\$5,930	\$0	\$0	\$0	\$0
Chino Hills					
Bus Shelter	\$37,800	\$0	\$0	\$0	\$0
Electric Vehicle Charging Stations	\$24,919	\$0	\$0	\$0	\$0
Claremont					
Electrical Vehicle Charging Station Enhancements	\$2,258	\$0	\$0	\$0	\$0
Employees Using Public Transportation (2 Employees)	\$2,772	\$0	\$0	\$0	\$0
Purchase of 3 CNG Trash Trucks	\$122,531	\$60,000	\$0	\$0	\$802,846
Coachella					
Electric Car Purchase (1)	\$21,392	\$0	\$0	\$0	\$0
Regional PM10 Street Sweeping Program	\$33,372	\$0	\$0	\$0	\$0
Colton					
Lease of a CNG Street Sweeper	\$52,816	\$0	\$0	\$0	\$0
Commerce					
Employer Based Trip Reduction	\$16,504	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Compton					
Employee Rideshare Incentives	\$65,000	\$0	\$0	\$0	\$0
Transit Subsidies	\$65,000	\$0	\$0	\$0	\$0
Corona					
Corona Cruiser Passenger Fare Subsidy	\$16,629	\$0	\$0	\$0	\$0
Costa Mesa					
17th. St. Signal Synchronization Project	\$709	\$0	\$0	\$0	\$0
Adams Ave. Traffic Synchronization Project	\$36,504	\$0	\$0	\$0	\$0
Baker St. /Placentia Ave. Traffic Signal Sync Project	\$2,533	\$0	\$0	\$0	\$0
Bicycle Safety Education at Sixteen Schools	\$7,144	\$0	\$0	\$0	\$0
Bristol St. Traffic Synchronization Project	\$125,396	\$0	\$0	\$0	\$0
Construct Intersection Chockers/Medians - E. 19th St	\$1,013	\$0	\$0	\$0	\$0
Fairview Rd. Traffic Signal Synchronization Project	\$6,957	\$0	\$0	\$0	\$0
Harbor Blvd. Widening	\$84,193	\$0	\$0	\$0	\$0
Install Bicycle Signal on Placentia Ave	\$8,931	\$0	\$0	\$0	\$0
Newport Blvd. Traffic Synchronization Project	\$81,167	\$0	\$0	\$0	\$0
Rule 2202 Implementation - Purchase Emission Credits	\$6,887	\$0	\$0	\$0	\$0
Sunflower Ave. & Anton Blvd. Signal Improvements	\$6,414	\$0	\$0	\$0	\$0
Sunflower Ave. Traffic Synchronization Project	\$2,499	\$0	\$0	\$0	\$0
Victoria St. & Valley Rd. Improvements	\$3,041	\$0	\$0	\$0	\$0
Victoria St. Traffic Signal Synchronization Project	\$1,016	\$0	\$0	\$0	\$0
County of LA					
Countywide Trip Reduction Services/Outreach	\$304,376	\$0	\$0	\$0	\$0
County of Orange					
Electric Forklift Replacement Program, Purchase-1 Unit	\$32,300	\$0	\$0	\$0	\$0
Electric Forklift Replacement Program, Purchase-1 Unit	\$39,509	\$0	\$0	\$0	\$0
Employee Rideshare Program	\$35,000	\$0	\$0	\$0	\$162,820
EV Charging Station Purchase-9 units	\$5,604	\$0	\$0	\$0	\$0
County of Riverside					
Audit of AB 2766 Revenue and Expense	\$5,870	\$0	\$0	\$0	\$0
Commuter Services Program	\$196,424	\$0	\$0	\$0	\$0
Purchase of Mobile Source Emission Reduction Credits	\$218,935	\$0	\$0	\$0	\$0
Regional PM10 Street Sweeping Program	\$38,554	\$0	\$0	\$0	\$0
Rule 2202 Multisite Cluster Registration	\$7,376	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
County of San Bernardino					
Employee Commute Reduction Program	\$185,331	\$0	\$0	\$0	\$0
Vanpool Subsidy Program	\$25,531	\$0	\$0	\$0	\$0
Covina					
Commuter Choice Reimbursement Program	\$2,981	\$0	\$0	\$0	\$0
Commuter Rideshare Program	\$580	\$0	\$0	\$0	\$0
Cudahy					
Hybrid Vehicle Lease	\$15,005	\$0	\$0	\$0	\$0
Culver City					
Purchase of 3 Police Patrol Bicycles	\$5,786	\$0	\$0	\$0	\$0
Cypress					
	\$0	\$0	\$0	\$0	\$0
Dana Point					
	\$0	\$0	\$0	\$0	\$0
Desert Hot Springs					
Local Street Sweeping Operation - Pacific Sweeping	\$8,148	\$0	\$0	\$0	\$0
Local Street Sweeping Operation - Pacific Sweeping	\$8,148	\$0	\$0	\$0	\$0
Regional PM10 Street Sweeping Program	\$21,306	\$0	\$0	\$0	\$0
Diamond Bar					
Neighborhood Traffic Management	\$75	\$0	\$0	\$0	\$0
Traffic Signal Infrastructure Upgrades - Design	\$13,672	\$0	\$0	\$0	\$0
Downey					
Downey Employees "Thumbs Up" Commuting Program	\$141,194	\$0	\$0	\$0	\$0
EV Charging Stations	\$16,951	\$0	\$0	\$0	\$0
Purchase of (3) Hybrid Vehicles	\$123,520	\$0	\$0	\$0	\$0
Duarte					
Alt Fuel Vehicle Purchase	\$32,499	\$0	\$0	\$0	\$0
Senior Shuttle Service	\$935	\$0	\$0	\$0	\$0
Eastvale					
Hamner Ave Traffic Signal Synchronization	\$32,031	\$0	\$0	\$0	\$0
Purchase City Electrical Vehicle	\$33,248	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
El Monte					
Fuel Cost for Alternative Fuel Vehicle	\$595	\$0	\$0	\$0	\$0
Monthly Rideshare Incentives	\$34,600	\$0	\$0	\$0	\$0
Regional PM10 Street Sweepers Contract (2 Vehicles)	\$98,184	\$0	\$0	\$0	\$0
Rule 2202 Filing Fees	\$772	\$0	\$0	\$0	\$0
Transit Subsidies	\$6,500	\$0	\$0	\$0	\$0
El Segundo					
Public Works Pool Vehicle Replacement	\$26,524	\$0	\$0	\$0	\$0
Fontana					
AFV Rebate Program	\$1,500	\$0	\$0	\$0	\$0
Bus Stop and Pedestrian Sidewalk Improvements	\$130,491	\$0	\$0	\$0	\$0
Juniper @ Metrolink Crossing	\$22,365	\$0	\$0	\$0	\$0
Malaga Pedestrian Bridge Study	\$26,000	\$0	\$0	\$0	\$0
Pedestrian Sidewalk Improvements @ Marygold/Lombardy	\$888	\$0	\$0	\$0	\$0
Rule 2022 Rideshare Subsidies & Activities	\$13,016	\$0	\$0	\$0	\$0
San Sevaine Pedestrian/Bicycle Trail Design Work	\$6,255	\$0	\$0	\$0	\$45,738
Sierra @ Metrolink Crossing	\$21,291	\$0	\$0	\$0	\$958
Traffic Signal Upgrade on Sierra @ 1-15 FWY	\$46,463	\$0	\$0	\$0	\$37,417
Traffic Timing Improvements at Sierra Lakes Pkway	\$41,043	\$0	\$0	\$0	\$0
Fountain Valley					
	\$0	\$0	\$0	\$0	\$0
Fullerton					
Alt-fuel Fords (purchase) - SULEV	\$25,865	\$0	\$0	\$0	\$0
Alt-fuel Fords (purchase) - ZEV	\$40,758	\$0	\$0	\$0	\$0
Bike Blvd. Pilot Prog. Efficiency Study	\$17,540	\$0	\$0	\$0	\$0
CNG Station Upgrades	\$95,330	\$0	\$0	\$0	\$0
Electronic Plan Check System	\$1,494	\$0	\$0	\$0	\$0
Lease of 3 CNG vehicles	\$18,273	\$0	\$0	\$0	\$0
Purchase of CNG Street Sweeper	\$30,000	\$30,000	\$0	\$0	\$0
Rule 2202 Emission Credits	\$21,170	\$0	\$0	\$0	\$0
Garden Grove					
Bicycle Loan Program	\$2,642	\$0	\$0	\$0	\$0
Clean Vehicle Rebate program	\$17,500	\$0	\$0	\$0	\$0
TDM Services	\$39,671	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Garden Grove (cont'd)					
Transit Subsidy Program (Metrolink & Bus)	\$8,479	\$0	\$0	\$0	\$0
Vanpool Program - CNG	\$38,734	\$0	\$0	\$0	\$0
Vanpool Program - Conventional Gasoline	\$50,745	\$0	\$0	\$0	\$0
Gardena					
Gardena Rule 2202 Compliance	\$657	\$0	\$0	\$0	\$0
Glendale					
Commute Program Outreach	\$20,000	\$0	\$0	\$0	\$0
Employer Based Trip Reduction Program	\$91,812	\$0	\$0	\$0	\$0
Start-Up Costs - Trip Planning Website	\$15,000	\$0	\$0	\$0	\$0
Transit Fare Subsidy	\$72,500	\$0	\$0	\$0	\$0
Transportation Management Agency Services	\$8,111	\$0	\$0	\$0	\$0
Glendora					
Alternative Commute Program - Bicycle Component	\$1,234	\$0	\$0	\$0	\$0
Alternative Commute Program - Carpool Component	\$6,976	\$0	\$0	\$0	\$0
Alternative Commute Program - Public Transit Component	\$737	\$0	\$0	\$0	\$0
Alternative Commute Program - Walking Component	\$3,626	\$0	\$0	\$0	\$0
Bicycle Rally	\$438	\$0	\$0	\$0	\$0
Purchased (2) CNG Shuttles	\$264,971	\$30,000	\$0	\$0	\$23,667
Grand Terrace					
Senior Transportation Program	\$833	\$0	\$0	\$0	\$7,995
Hawaiian Gardens					
Electric Charging Stations	\$13,085	\$0	\$0	\$0	\$0
Hawthorne					
Financial Incentives for rideshare	\$1,990	\$0	\$0	\$0	\$0
PM10 Reduction Street Sweeping project	\$100,000	\$0	\$0	\$0	\$0
Hemet					
Purchased Vactor Jetter CNG Truck	\$19,574	\$0	\$0	\$0	\$439,574
Hermosa Beach					
AQMD Incentives to reduce auto trips	\$2,130	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Hidden Hills					
	\$0	\$0	\$0	\$0	\$0
Highland					
Signal Synchronization	\$3,105	\$0	\$0	\$0	\$0
STR14001 West Highland Bikeways Infrastructure & Public Outreach	\$24,330	\$24,330	\$0	\$0	\$0
Huntington Beach					
4th of July/U.S. Open Shuttle Service	\$20,305	\$0	\$0	\$0	\$5,953
Citywide Traffic Count Analysis	\$5,823	\$0	\$0	\$0	\$0
Employee Rideshare Program	\$11,150	\$0	\$0	\$0	\$0
Purchase CNG Truck	\$74,614	\$0	\$0	\$0	\$0
Rule 2202 filing	\$1,033	\$0	\$0	\$0	\$0
Traffic Management Software (Updates and maintain)	\$11,754	\$0	\$0	\$0	\$0
Traffic Signal Synchronization	\$178,750	\$0	\$0	\$0	\$0
Huntington Park					
Bicycle Patrol	\$8,009	\$0	\$0	\$0	\$0
Lease of (1) Electric Vehicle	\$4,902	\$0	\$0	\$0	\$0
Lease of Toyota Hylander Hybrid	\$22,268	\$0	\$0	\$0	\$0
Mounted Horse Police Patrol Supplies	\$193	\$0	\$0	\$0	\$0
Pacific Blvd Revitalization	\$60,123	\$0	\$0	\$0	\$0
Purchase of Gator Electric Vehicle	\$11,140	\$0	\$0	\$0	\$0
Indian Wells					
Regional PM 10 Street Sweeping Program	\$3,707	\$0	\$0	\$0	\$0
Indio					
Alternative Vehicle Vector Truck	\$160,000	\$0	\$0	\$0	\$0
Diesel Emission Control Device	\$9,653	\$9,653	\$0	\$0	\$0
Regional PM10 Street Sweeping Program	\$64,167	\$0	\$0	\$0	\$0
Inglewood					
Purchase of 17 Vehicles	\$458,804	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Irvine					
CNG Patcher Conversion	\$35,000	\$0	\$0	\$0	\$0
CNG Sweeper Conversion	\$65,250	\$0	\$0	\$0	\$0
CNG Vehicles Conversion	\$35,000	\$0	\$0	\$0	\$0
CNG Vehicles Conversion	\$46,468	\$0	\$0	\$0	\$0
Irvine Spectrum Transportation Management Association	\$3,694	\$0	\$0	\$0	\$0
Purchase of Two Benches near UCI Stop	\$2,784	\$0	\$0	\$0	\$0
Purchase Rule 2202 Emission Credits	\$7,851	\$0	\$0	\$0	\$0
San Diego Creek Trail Lights Implementation	\$57,250	\$0	\$0	\$0	\$0
Security Service at Irvine Station	\$164,424	\$0	\$0	\$0	\$0
Irwindale					
Left Turn Phasing Peck Rd and Longden Construction	\$1,750	\$0	\$0	\$0	\$0
Jurupa Valley					
Contract Street Sweeping	\$57,120	\$0	\$0	\$0	\$0
Fuel Costs for (8) 2016 CNG Ford F150 Trucks	\$5,697	\$0	\$0	\$0	\$0
Purchase of 6 Hybrid AT-PZEV Vehicles for City Fleet	\$156,292	\$0	\$0	\$0	\$0
Purchase of 8 CNG Light Duty Trucks SULEV for City Fleet	\$285,381	\$0	\$0	\$0	\$0
La Canada Flintridge					
EV Charging Station Install	\$12,081	\$0	\$0	\$0	\$0
Purchase one Hybrid Chevy Volt	\$36,209	\$0	\$0	\$0	\$0
La Habra					
Shuttles to transport Seniors	\$78,960	\$0	\$0	\$0	\$79,458
La Habra Heights					
	\$0	\$0	\$0	\$0	\$0
La Mirada					
	\$0	\$0	\$0	\$0	\$0
La Palma					
	\$0	\$0	\$0	\$0	\$0
La Puente					
	\$0	\$0	\$0	\$0	\$0
La Quinta					
Regional PM10 Street Sweeping Program	\$30,143	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
La Verne					
Ride Share Program	\$12,982	\$0	\$0	\$0	\$0
Laguna Beach					
Main Line Transit Service	\$14,796	\$0	\$0	\$0	\$0
Ride to Work Bus Pass Program	\$8,325	\$0	\$0	\$0	\$0
Laguna Hills					
	\$0	\$0	\$0	\$0	\$0
Laguna Niguel					
Traffic Signal Coordination	\$26,677	\$0	\$0	\$0	\$0
Laguna Woods					
	\$0	\$0	\$0	\$0	\$0
Lake Elsinore					
Clean Cities Coalition (WRCOG)	\$6,000	\$0	\$0	\$0	\$0
Lake Forest					
Alton Parkway Traffic Signal Synchronization	\$3,020	\$0	\$0	\$0	\$0
Bake Parkway Traffic Signal Synchronization	\$27,557	\$0	\$0	\$0	\$0
Barranca/Muirlands Traffic Signal Synchronization	\$4,298	\$0	\$0	\$0	\$0
Jeronimo Traffic Signal Synchronization	\$41,509	\$0	\$0	\$0	\$0
Prof Serv-Traffic Engineer for Traffic Signal Monitoring	\$35,786	\$0	\$0	\$0	\$0
Saddleback Ranch Road Traffic Enhancements	\$148,281	\$0	\$0	\$0	\$0
Santa Margarita Pkwy Traffic Signal Synchronization	\$86	\$0	\$0	\$0	\$0
Signal Maintenance Centracs Software	\$5,738	\$0	\$0	\$0	\$0
Trabuco Road Traffic Signal Synchronization	\$29,944	\$0	\$0	\$0	\$0
Traffic Signal System Communications Enhancements	\$3,047	\$0	\$0	\$0	\$0
Lakewood					
Dev. Gateway COG Strategic Transportation Plan	\$10,000	\$0	\$0	\$0	\$0
Purchase New Honda Civic CNG Vehicle (1 Replacement)	\$28,887	\$0	\$0	\$0	\$0
Lawndale					
	\$0	\$0	\$0	\$0	\$0
Loma Linda					
City Street Sweeping Program	\$19,200	\$0	\$0	\$0	\$0
Fuel efficient carpool vehicle	\$25,539	\$0	\$0	\$0	\$0
Signal Coordination	\$7,195	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Lomita					
Lease of (1) Electric Vehicle to replace gas vehicle	\$1,946	\$0	\$0	\$0	\$0
Leasing alternative fuel street sweepers	\$15,000	\$0	\$0	\$0	\$0
Online Submittal System	\$2,500	\$0	\$0	\$0	\$0
Purchase of standard bicycle in lieu of gas powered vehicle	\$502	\$0	\$0	\$0	\$0
Long Beach					
2016 Active Transportation Public Education Event	\$83,730	\$0	\$0	\$0	\$0
6th Street Traffic Calming	\$63,862	\$0	\$0	\$0	\$0
Bicycles - Fix It Stations	\$45,555	\$0	\$0	\$0	\$0
Bike Share Marketing	\$22,852	\$0	\$0	\$0	\$0
Bike Share Program	\$305,297	\$0	\$0	\$0	\$0
Class I Willow Bike Path to San Gabriel River	\$520	\$0	\$0	\$0	\$0
Class II Bike Lanes to LA River	\$114,829	\$0	\$0	\$0	\$0
Develop Gateway COG Transportation Plan	\$19,500	\$0	\$0	\$0	\$0
Electric Vehicle Charging Stations	\$8,480	\$0	\$0	\$0	\$0
Protected Bike Lanes on 3rd and Broadway	\$21,915	\$0	\$0	\$0	\$0
Purchase of light duty electric vehicles (4)	\$110,567	\$0	\$0	\$0	\$19,000
Purchase of Plug-In Hybrid (2)	\$38,193	\$0	\$0	\$0	\$30,491
Purchase/Conversion of Medium-duty Truck	\$10,400	\$27,136	\$0	\$0	\$0
Rule 2202 Emissions Credit Purchase	\$35,691	\$0	\$0	\$0	\$0
Los Alamitos					
Reduce Traffic to/from City Hall by providing online srvc	\$4,000	\$0	\$0	\$0	\$25,610
Los Angeles (City)					
#1 Purchase-Two (2) CNG Traffic Paint Striper Trucks	\$50,000	\$0	\$0	\$0	\$0
#2 Alt Fuel Veh Purch-One CNG 4X4 Lube and Fuel Truck	\$25,000	\$0	\$0	\$0	\$0
#3 Alt Fuel Veh Purch-One 2016 CNG 4X4 Lube and Fuel Truck	\$25,000	\$0	\$0	\$0	\$0
#4 Alt Fuel Veh Purch-Three CNG Thermoplastic Trucks	\$75,000	\$0	\$0	\$0	\$0
#5 Alt Fuel Veh Purch-Three 2015 CNG Broom Bear Sweepers	\$75,000	\$0	\$0	\$0	\$0
#6 Alt Fuel Veh Purch-3 CNG Sewer Cleaner Cab Trucks	\$125,000	\$0	\$0	\$0	\$0
#7 Alt Fuel Purch-16 CNG Solid Waste Collection Vehicles	\$355,892	\$0	\$0	\$0	\$0
Air Quality Education and CicLAvia	\$280,025	\$0	\$0	\$0	\$421,760
Alternative Commute/Car Sharing Program Development	\$21,220	\$0	\$0	\$0	\$213,424
Annual AB 2766 Audit	\$280,025	\$0	\$0	\$0	\$0
Automatic Traffic Surveillance and Control (ATSAC) Center	\$1,104,624	\$0	\$0	\$0	\$7,144,304

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Los Angeles (City) (cont'd)					
Bicycle Transit Incentive Program	\$12,832	\$0	\$0	\$0	\$28,250
Bike Share, Bicycle Parking and Bike Repair Stations	\$22,024	\$0	\$0	\$0	\$590,613
BOE Alt Fuel Infrastructure Eng Design & Tech Support	\$171,814	\$0	\$0	\$0	\$0
Carpool Program	\$145,540	\$0	\$0	\$0	\$0
Commute Options-Rail and Bus Transit Subsidy Program	\$384,481	\$0	\$0	\$0	\$1,862,370
EV Charging Stations	\$27,400	\$0	\$0	\$0	\$166,134
Green Taxi Program	\$50,926	\$0	\$0	\$0	\$0
Traffic Calming	\$907,463	\$0	\$0	\$0	\$0
Vanpool Program	\$723,753	\$0	\$0	\$0	\$901,286
Walk Subsidy	\$16,381	\$0	\$0	\$0	\$0
Lynwood					
	\$0	\$0	\$0	\$0	\$0
Malibu					
	\$0	\$0	\$0	\$0	\$0
Manhattan Beach					
CNG Bus Purchase	\$128,499	\$0	\$0	\$0	\$0
Employee Rideshare Program	\$10,320	\$0	\$0	\$0	\$0
EV Charging Stations	\$28,786	\$22,485	\$0	\$0	\$0
Maywood					
	\$0	\$0	\$0	\$0	\$0
Menifee					
Fuel Purchases for 12 alternative fuel vehicles	\$11,285	\$0	\$0	\$0	\$0
Hybrid Vehicle Purchase	\$49,319	\$0	\$0	\$0	\$0
Mission Viejo					
City of Mission Viejo Air Quality Planning: FY15-16	\$42,532	\$0	\$0	\$0	\$0
City of Mission Viejo Traffic Signal Synchronization: FY15-16	\$69,543	\$0	\$0	\$0	\$330,318
Monrovia					
Discount Bus Pass Program	\$6,082	\$0	\$0	\$0	\$0
Employee Commute Reduction Program (ECRP)	\$6,082	\$0	\$0	\$0	\$0
Montclair					
Employer Rideshare Program	\$23,343	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Montebello					
Employee Commute Reduction Program	\$27,624	\$0	\$0	\$0	\$0
Monterey Park					
CNG Upgraded Station	\$70,552	\$180,690	\$0	\$0	\$389,719
Employer Transportation Program	\$13,638	\$0	\$0	\$0	\$0
Transit Subsidies	\$2,045	\$0	\$0	\$0	\$0
Moreno Valley					
Street Sweeping Program	\$160,655	\$0	\$0	\$0	\$0
Traffic Signal Coordination Program	\$77,589	\$0	\$0	\$0	\$0
WRCOG - Clean Cities Coalition	\$15,000	\$0	\$0	\$0	\$0
Murrieta					
Purchase and install of electric vehicle charging station	\$18,797	\$0	\$0	\$0	\$0
Purchase of Two (2) Chevy Volt fleet vehicles	\$69,220	\$0	\$0	\$0	\$0
Newport Beach					
Employee Rideshare Program	\$6,576	\$0	\$0	\$0	\$0
Norco					
	\$0	\$0	\$0	\$0	\$0
Norwalk					
AB 2766 Audit Expenses	\$2,585	\$0	\$0	\$0	\$0
Cleaner Street Sweeping Contract	\$87,564	\$0	\$0	\$0	\$602,636
Purchase of Two CNG Vehicles	\$67,866	\$0	\$0	\$0	\$0
Transit Subsidy	\$26,000	\$0	\$0	\$0	\$0
Ontario					
Compressed Natural Gas - Slow Fill Posts	\$51,342	\$0	\$0	\$0	\$0
Electric Vehicle Charging Station	\$8,000	\$0	\$0	\$0	\$0
Rideshare	\$29,606	\$0	\$0	\$0	\$0
Orange (City)					
Bike Loan to Own Program	\$1,721	\$0	\$0	\$0	\$0
Electric Car Charging Stations	\$248	\$0	\$0	\$0	\$0
Orange Police Bike Team	\$4,791	\$0	\$0	\$0	\$0
Trip Reduction Program	\$118,665	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Palm Desert					
ChargePoint Network Service	\$3,977	\$0	\$0	\$0	\$0
City Rideshare Program	\$1,475	\$0	\$0	\$0	\$0
Electric Vehicle DC Fast Charger Project	\$19,405	\$0	\$0	\$0	\$0
Regional PM10 Street Sweeping Program	\$38,827	\$0	\$0	\$0	\$0
Palm Springs					
Regional PM10 Street Sweeping Program	\$35,431	\$0	\$0	\$0	\$0
Rideshare Subsidy	\$7,269	\$0	\$0	\$0	\$0
Palos Verdes Estates					
	\$0	\$0	\$0	\$0	\$0
Paramount					
Purchase of (2) Hybrid Vehicles	\$94,712	\$0	\$0	\$0	\$0
Pasadena					
Bike to Work Week 2016 Promotional/Marketing Activities	\$9,976	\$0	\$0	\$0	\$0
Class II Painted Bicycle Lanes	\$24,917	\$0	\$0	\$0	\$0
Commute Program Outreach	\$18,000	\$0	\$0	\$0	\$0
Employee Transit Pass Subsidies	\$49,050	\$0	\$0	\$0	\$66,750
Go Verdugo Transit Subsidy Program	\$1,421	\$0	\$0	\$0	\$0
Prideshare	\$72,794	\$0	\$0	\$0	\$99,061
Trip Planner Website Startup Costs	\$7,000	\$0	\$0	\$0	\$0
Perris					
	\$0	\$0	\$0	\$0	\$0
Pico Rivera					
Gateway Cities COG - Develop Strategic Transportation Plan	\$10,600	\$0	\$0	\$0	\$0
Lease payments of (6) Hybrid Vehicles (2014 Toyota Prius C)	\$15,524	\$0	\$0	\$0	\$0
Placentia					
Electric Vehicle Charging Stations	\$37,310	\$0	\$0	\$0	\$0
Kraemer Blvd Traffic Signal Synchronization	\$162,260	\$0	\$0	\$0	\$0
Purchase of 10 Chevy Spark electric vehicles	\$53,507	\$0	\$0	\$0	\$0
Rose Drive Traffic Signal Synchronization	\$12,200	\$0	\$0	\$0	\$0
Pomona					
Purchase of Emission Credits	\$4,500	\$0	\$0	\$0	\$0
Traffic Operations Communication Upgrade	\$49,083	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Rancho Cucamonga					
CNG Fuel Station Expansion	\$88,328	\$0	\$0	\$0	\$0
Employer Ride Share Program	\$24,077	\$0	\$0	\$0	\$0
Rancho Mirage					
Regional PM10 Street Sweeping Program	\$13,474	\$0	\$0	\$0	\$0
Rancho Palos Verdes					
Public Transit/Fixed Route Shuttle Service	\$5,951	\$0	\$0	\$0	\$0
Public Transit/Fixed Route Shuttle Service	\$48,145	\$0	\$0	\$0	\$0
Rancho Santa Margarita					
Antonio Parkway Signal & Equipment Upgrade	\$62,317	\$0	\$0	\$0	\$0
SMP Signal & Equipment Upgrade	\$256	\$0	\$0	\$0	\$0
Speed Feedback Signs	\$20,470	\$0	\$0	\$0	\$0
Trabuco Mesa Elementary School Signing & Striping	\$13,776	\$0	\$0	\$0	\$0
Redlands					
	\$0	\$0	\$0	\$0	\$0
Redondo Beach					
Employee Rideshare	\$39,652	\$0	\$0	\$0	\$0
Rialto					
Rideshare Program	\$90,549	\$0	\$0	\$0	\$0
Riverside (City)					
AQMD Rule 2202 Compliance - Purchase Emission Credits	\$23,400	\$0	\$0	\$0	\$0
Bicycle Racks	\$1,897	\$0	\$0	\$0	\$0
City Pass Program	\$14,173	\$0	\$0	\$0	\$0
Electric Vehicle Rebate Program	\$7,500	\$0	\$0	\$0	\$0
Employee Rideshare Program	\$2,989	\$0	\$0	\$0	\$0
Market Street Bike Lane Installation	\$50,000	\$0	\$0	\$0	\$0
ProjectDox	\$38,226	\$0	\$0	\$0	\$0
Riverside Go Transit Bus Pass Subsidy Program	\$76,077	\$0	\$0	\$0	\$0
Riverside Traffic Management Center	\$28,590	\$0	\$0	\$0	\$0
SAR Bike Trail Blind Curve Reconfiguration	\$6,092	\$0	\$0	\$0	\$0
Rolling Hills Estates					
	\$0	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Rosemead					
Charging Station Installation	\$16,000	\$0	\$0	\$0	\$0
Convert 5 Transit buses from Gas to Propane	\$130,140	\$0	\$0	\$0	\$0
San Bernardino (City)					
Employee Rideshare Program	\$113,361	\$0	\$0	\$0	\$0
San Clemente					
North Beach Traffic Calming	\$144,992	\$0	\$0	\$0	\$0
San Clemente Trolley/Local Circulator Study	\$8,500	\$0	\$0	\$0	\$0
San Dimas					
Charging Station Fuel Usage	\$3,570	\$0	\$0	\$0	\$0
San Fernando					
	\$0	\$0	\$0	\$0	\$0
San Gabriel					
Gator Electric Utility Vehicle	\$11,639	\$0	\$0	\$0	\$0
San Jacinto					
	\$0	\$0	\$0	\$0	\$0
San Juan Capistrano					
Countdown Pedestrian Signals Project	\$1,008	\$0	\$0	\$0	\$0
Neighbor Traffic Calming Project	\$17,911	\$0	\$0	\$0	\$0
Regional Traffic Synchronization Program	\$403	\$0	\$0	\$0	\$0
Sr. Nutritional Transportation Program	\$7,254	\$0	\$0	\$0	\$36,268
Trolley Program	\$49,755	\$0	\$0	\$0	\$0
San Marino					
	\$0	\$0	\$0	\$0	\$0
Santa Ana					
Blue Skies Ride share Program	\$149,372	\$0	\$0	\$0	\$0
Downtown Complete Streets Plan	\$469	\$0	\$0	\$0	\$0
Electric Vehicle Lease (2)	\$12,097	\$0	\$0	\$0	\$0
General Plan Circulation Element	\$2,945	\$0	\$0	\$0	\$0
General Plan Land Use Designations	\$13,788	\$0	\$0	\$0	\$0
OCTA Harbor Fixed Guideway Feasibility Study	\$848	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Santa Clarita					
Bike to Work Program Promo & Advertise	\$3,798	\$0	\$0	\$0	\$0
Bike to Work/Santa Clarita	\$2,685	\$0	\$0	\$0	\$0
Green Guide	\$311	\$0	\$0	\$0	\$0
ITS Phase IV Intelligent Transportation System (I0009)	\$30,356	\$0	\$0	\$0	\$0
Rideshare	\$2,305	\$0	\$0	\$0	\$0
Rideshare Program Promo & Advertise	\$95	\$0	\$0	\$0	\$0
Vista Cyn Regional Transit Center	\$31,993	\$0	\$0	\$0	\$0
Santa Fe Springs					
GO RIO	\$2,062	\$0	\$0	\$0	\$0
Santa Monica					
Electric Vehicle Infrastructure Purchase	\$9,176	\$0	\$0	\$0	\$0
Electric Vehicle Purchases	\$32,850	\$0	\$0	\$0	\$555,274
Hydrogen Powered Vehicle Lease	\$3,298	\$0	\$0	\$0	\$3,298
Public Education - AltCar Expo Sponsorship	\$10,000	\$0	\$0	\$0	\$0
Seal Beach					
Senior Transportation Nutrition Shuttle	\$31,315	\$0	\$0	\$0	\$0
Sierra Madre					
	\$0	\$0	\$0	\$0	\$0
Signal Hill					
	\$0	\$0	\$0	\$0	\$0
South El Monte					
Bus Pass Subsidy Program	\$6,905	\$0	\$0	\$0	\$0
Hybrid (1) Vehicle Lease	\$809	\$0	\$0	\$0	\$0
South Gate					
Alternative Fuel Vehicle Lease	\$22,583	\$0	\$0	\$0	\$0
Employee Rideshare Program	\$2,486	\$0	\$0	\$0	\$0
South Pasadena					
	\$0	\$0	\$0	\$0	\$0
Stanton					
Employee Commute Incentive Program	\$1,410	\$0	\$0	\$0	\$0
Purchased (1) RAV4 Hybrid Code Enforcement Vehicle	\$32,490	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Temecula					
Route 55 Temecula Trolley Services	\$17,049	\$0	\$0	\$0	\$0
Temecula Park and Ride	\$423,581	\$0	\$0	\$0	\$2,788,822
WRCOG Clean Cities Coalition	\$10,000	\$0	\$0	\$0	\$0
Temple City					
Lease of 7 Hybrid Vehicles	\$37,301	\$0	\$0	\$0	\$0
Torrance					
Employee Trip Reduction	\$146,821	\$0	\$0	\$0	\$0
Tustin					
	\$0	\$0	\$0	\$0	\$0
Upland					
Rideshare Activities	\$15,788	\$0	\$0	\$0	\$0
Vehicle Purchase	\$31,578	\$0	\$0	\$0	\$0
Villa Park					
	\$0	\$0	\$0	\$0	\$0
Walnut					
Bus Pass Subsidies	\$8,766	\$0	\$0	\$0	\$0
Purchase of Hybrid Vehicle	\$10,000	\$0	\$0	\$0	\$26,770
Street Sweeping with CNG Sweeper	\$50,860	\$0	\$0	\$0	\$0
West Covina					
Air Quality Investment Program (AQIP)	\$5,555	\$0	\$0	\$0	\$0
AQMD 2766 Annual Audit Fee	\$1,584	\$0	\$0	\$0	\$0
CNG Fuel Station	\$5,448	\$0	\$0	\$0	\$0
West Covina PD - Parking Enforcement Vehicle	\$30,400	\$0	\$0	\$0	\$0
West Hollywood					
Alternative Transportation Program	\$41,080	\$0	\$0	\$0	\$0
Bike Share Program for Employees	\$22,245	\$0	\$0	\$0	\$0
Employee Transit Subsidies	\$10,380	\$0	\$0	\$0	\$0
Westlake Village					
	\$0	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Westminster					
Employee Rideshare Program	\$17,476	\$0	\$0	\$0	\$0
Employee Vanpool Program	\$22,515	\$0	\$0	\$0	\$0
Whittier					
Dev. Gateway Cities COG Strategic Transportation Plan	\$15,497	\$0	\$0	\$0	\$0
Employee Rideshare	\$5,862	\$0	\$0	\$0	\$0
Rule 2202 Compliance - Emission Credits Purchased	\$7,136	\$0	\$0	\$0	\$0
Wildomar					
Unpaved Roadway Program	\$116,050	\$0	\$0	\$0	\$0
Yorba Linda					
Bike lane enhancement program	\$34,000	\$34,000	\$0	\$0	\$0
Fleet Vehicle Replacement Program	\$25,633	\$0	\$0	\$0	\$0
Yucaipa					
12th and 13th Streets Curb, Gutter, Sidewalk	\$14,992	\$0	\$0	\$0	\$0
12th Street Curb, Gutter, Sidewalk	\$488	\$0	\$0	\$0	\$0
13th Street Curb, Gutter, Sidewalks	\$63,323	\$0	\$0	\$0	\$0
2nd Street Curb, Gutter, Sidewalk	\$18,000	\$0	\$0	\$0	\$0
4th Street Curb, Gutter, Sidewalk	\$75,000	\$0	\$0	\$0	\$0
Avenue D Curb, Gutter, Sidewalk	\$41,894	\$0	\$0	\$0	\$0
Avenue E Curb, Gutter Sidewalk	\$135	\$0	\$0	\$0	\$0
Avenue E Curb, Gutter, Sidewalk	\$1,587	\$0	\$0	\$0	\$0
Avenue E Curb, Gutter, Sidewalk	\$22,000	\$0	\$0	\$0	\$0
Totals	\$19,163,200	\$508,295	\$0	\$0	\$18,334,518

Range of Cost-Effectiveness by Subcategory for Fiscal Year 2015 - 2016

	Lowest	Highest	Lowest	Highest
	(ROG + NO _x + PM _{2.5})		(ROG + NO _x + PM _{2.5} + CO/7)	
(1a) Alternative Fuel Vehicle Purchases	\$1.11	\$17,202.05	\$1.07	\$17,164.34
(1b) Alternative Fuel Vehicle Conversions	\$6.42	\$12,065.89	\$6.42	\$11,650.83
(1d) Electric Vehicle Purchases	\$2.56	\$368,719.11	\$1.34	\$173,362.67
(1f) Electric Veh Infrastructure	\$19,575.97	\$27,099.15	\$10,216.69	\$27,099.15
(2d) On-road CARB-verified Diesel Emission Control	\$123.95	\$123.95	\$122.55	\$122.55
(4c) Transit Operations (new service, shuttles, fuel subsidies)	\$53.10	\$15,723.24	\$41.54	\$23,044.48
(4d) Passenger Fare Subsidies	\$0.81	\$488.61	\$0.50	\$303.95
(5a) Traffic Calming	\$26.36	\$52.17	\$21.75	\$31.48
(5b) Traffic Flow or Signalization (timing, surveillance)	\$0.05	\$290.31	\$0.04	\$198.26
(6a) Employer-Based Trip Reduction	\$3.01	\$935.22	\$1.86	\$577.30
(6b) Other Trip Reduction Incentive Programs	\$577.84	\$577.84	\$358.14	\$358.14
(8a) Bicycle Lanes and Trails (also bridges)	\$7.72	\$3,231.40	\$4.83	\$2,022.76
(8c) Bicycle Usage (electric bikes, purchases, loaner projects)	\$1.64	\$9,996.30	\$0.88	\$5,720.94
(9a) Road Dust Control (paving roads, shoulders, street	\$6.69	\$104.93	\$6.68	\$104.12
(11a) Miscellaneous (use with "Miscellaneous Projects")	\$14.37	\$187.19	\$10.30	\$118.88

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

Average Cost-Effectiveness by Project

Fiscal Year 2015 - 2016

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					
Chino	Purchase of Freightliner Vactor	\$69,184	\$8,110	7,555	\$1.07
Chino	Purchase of Freightliner	\$65,338	\$7,660	6,129	\$1.25
South El Monte	Hybrid (1) Vehicle Lease	\$809	\$115	26	\$4.36
Los Angeles (City)	#7 Alt Fuel Purch-16 CNG Solid Waste Collection Vehicles	\$355,892	\$35,754	3,710	\$9.64
Garden Grove	Clean Vehicle Rebate program	\$17,500	\$2,493	213	\$11.72
Los Angeles (City)	#5 Alt Fuel Veh Purch-Three 2015 CNG Broom Bear Sweepers	\$75,000	\$7,535	540	\$13.94
Huntington Park	Lease of Toyota Hylander Hybrid	\$22,268	\$3,172	223	\$14.20
Calabasas	Lease of (1) 2016 Toyota Prius	\$777	\$111	6	\$19.55
Calabasas	Continued lease of 7 vehicles	\$21,350	\$3,041	127	\$23.93
Los Angeles (City)	#6 Alt Fuel Veh Purch-3 CNG Sewer Cleaner Cab Trucks	\$125,000	\$12,558	486	\$25.85
South Gate	Alternative Fuel Vehicle Lease	\$22,583	\$2,647	97	\$27.24
Los Angeles (City)	#4 Alt Fuel Veh Purch-Three CNG Thermoplastic Trucks	\$75,000	\$7,535	212	\$35.54
Los Angeles (City)	#3 Alt Fuel Veh Purch-One 2016 CNG 4X4 Lube and Fuel Truck	\$25,000	\$2,512	57	\$44.00
Los Angeles (City)	#2 Alt Fuel Veh Purch-One CNG 4X4 Lube and Fuel Truck	\$25,000	\$2,512	57	\$44.00
Duarte	Alt Fuel Vehicle Purchase	\$32,499	\$4,630	96	\$48.02
Temple City	Lease of 7 Hybrid Vehicles	\$37,301	\$5,314	106	\$50.29
Lomita	Leasing alternative fuel street sweepers	\$15,000	\$15,450	260	\$59.44
Colton	Lease of a CNG Street Sweeper	\$52,816	\$27,602	458	\$60.22
Fullerton	Purchase of CNG Street Sweeper	\$30,000	\$61,800	790	\$78.27
Upland	Vehicle Purchase	\$31,578	\$4,498	57	\$79.48
Inglewood	Purchase of 17 Vehicles	\$458,804	\$65,360	770	\$84.91
Yorba Linda	Fleet Vehicle Replacement Program	\$25,633	\$3,652	42	\$87.97
Indio	Alternative Vehicle Vactor Truck	\$160,000	\$18,757	199	\$94.30
Downey	Purchase of (3) Hybrid Vehicles	\$123,520	\$14,480	147	\$98.40
Alhambra	Purchase of 4 CNG Honda Civic	\$112,000	\$15,955	151	\$105.71
Banning	Purchased one (1) brand new CNG Street Sweeper	\$270,618	\$309,637	2,885	\$107.32
Lakewood	Purchase New Honda Civic CNG Vehicle (1 Replacement)	\$28,887	\$4,115	32	\$127.88
Alhambra	Purchase 1 Toyota Rav4 Hybrid	\$35,557	\$5,065	38	\$134.24
Alhambra	Purchase of 1 Hyundai Sonata Plug-In Hybrid	\$36,952	\$5,264	38	\$139.50
Cudahy	Hybrid Vehicle Lease	\$15,005	\$2,138	15	\$141.62

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>Walnut</i>	Purchase of Hybrid Vehicle	\$10,000	\$1,425	36	\$39.11	
<i>Paramount</i>	Purchase of (2) Hybrid Vehicles	\$94,712	\$13,492	91	\$148.14	
<i>Alhambra</i>	Purchase of 1 CNG Ford Crown Victoria	\$33,500	\$4,772	32	\$148.30	
<i>Alhambra</i>	Purchase of 1 Ford Fusion Energi Hybrid	\$40,654	\$5,791	38	\$153.48	
<i>Buena Park</i>	Honda CNG Sedans - 2	\$58,226	\$8,295	49	\$167.86	
<i>Baldwin Park</i>	Alternative Fuel Vehicle Purchase (Prius)	\$25,579	\$3,644	19	\$193.13	
<i>Pico Rivera</i>	Lease payments of (6) Hybrid Vehicles (2014 Toyota Prius C)	\$15,524	\$15,990	77	\$206.41	
<i>Los Angeles (City)</i>	#1 Purchase-Two (2) CNG Traffic Paint Striper Trucks	\$50,000	\$5,023	24	\$211.61	
<i>West Covina</i>	West Covina PD - Parking Enforcement Vehicle	\$30,400	\$3,564	16	\$226.32	
<i>El Segundo</i>	Public Works Pool Vehicle Replacement	\$26,524	\$3,779	15	\$248.78	
<i>Fullerton</i>	Lease of 3 CNG vehicles	\$18,273	\$18,821	73	\$258.32	
<i>Long Beach</i>	Purchase of Plug-In Hybrid (2)	\$38,193	\$4,477	30	\$150.86	
<i>Bellflower</i>	One Brand New Ford F-550 XL CNG Pickup Truck	\$144,970	\$16,995	61	\$280.16	
<i>Jurupa Valley</i>	Purchase of 6 Hybrid AT-PZEV Vehicles for City Fleet	\$156,292	\$22,265	63	\$354.46	
<i>Menifee</i>	Hybrid Vehicle Purchase	\$49,319	\$7,026	19	\$372.38	
<i>Bellflower</i>	One Brand New Ford F-250 CNG Pickup Truck	\$47,588	\$5,579	15	\$376.24	
<i>Stanton</i>	Purchased (1) RAV4 Hybrid Code Enforcement Vehicle	\$32,490	\$4,628	11	\$408.86	
<i>La Canada Flintridge</i>	Purchase one Hybrid Chevy Volt	\$36,209	\$5,158	12	\$440.96	
<i>Loma Linda</i>	Fuel efficient carpool vehicle	\$25,539	\$3,638	8	\$451.38	
<i>Jurupa Valley</i>	Purchase of 8 CNG Light Duty Trucks SULEV for City Fleet	\$285,381	\$40,654	89	\$459.02	
<i>Fontana</i>	AFV Rebate Program	\$1,500	\$214	0	\$510.78	
<i>Glendora</i>	Purchased (2) CNG Shuttles	\$264,971	\$34,580	73	\$474.80	
<i>Huntington Beach</i>	Purchase CNG Truck	\$74,614	\$10,629	19	\$574.09	
<i>Claremont</i>	Purchase of 3 CNG Trash Trucks	\$122,531	\$21,398	158	\$135.85	
<i>Manhattan Beach</i>	CNG Bus Purchase	\$128,499	\$15,064	17	\$884.82	
<i>Norwalk</i>	Purchase of Two CNG Vehicles	\$67,866	\$9,668	4	\$2,198.44	
<i>Santa Monica</i>	Hydrogen Powered Vehicle Lease	\$3,298	\$470	0	\$1,293.90	
<i>Fullerton</i>	Alt-fuel Fords (purchase) - SULEV	\$25,865	\$26,641	9	\$2,824.02	
<i>Hemet</i>	Purchased Vactor Jetter CNG Truck	\$19,574	\$2,295	5	\$452.57	
<i>Azusa</i>	Propane Fuel Street Sweeper Lease Payments (2)	\$17,526	\$18,052	1	\$17,164.34	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$4,312,486	\$993,496	26,586	\$37.37

Project Category	Project Name	MV Fees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)	
(1b) Alternative Fuel Vehicle Conversions						
<i>Irvine</i>	CNG Patcher Conversion	\$35,000	\$4,103	639	\$6.42	
<i>Rosemead</i>	Convert 5 Transit buses from Gas to Propane	\$130,140	\$13,074	85	\$153.29	
<i>Long Beach</i>	Purchase/Conversion of Medium-duty Truck	\$10,400	\$4,400	9	\$502.37	
<i>Irvine</i>	CNG Vehicles Conversion	\$46,468	\$5,447	9	\$610.99	
<i>Irvine</i>	CNG Vehicles Conversion	\$35,000	\$4,103	0	\$11,650.83	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$257,008	\$31,128	743	\$41.91
(1d) Electric Vehicle Purchases						
<i>Riverside (City)</i>	Electric Vehicle Rebate Program	\$7,500	\$879	657	\$1.34	
<i>Huntington Park</i>	Lease of (1) Electric Vehicle	\$4,902	\$575	47	\$12.32	
<i>Placentia</i>	Purchase of 10 Chevy Spark electric vehicles	\$53,507	\$6,273	439	\$14.30	
<i>San Gabriel</i>	Gator Electric Utility Vehicle	\$11,639	\$1,364	43	\$31.89	
<i>Eastvale</i>	Purchase City Electrical Vehicle	\$33,248	\$3,898	38	\$103.29	
<i>Murrieta</i>	Purchase of Two (2) Chevy Volt fleet vehicles	\$69,220	\$9,861	91	\$108.88	
<i>Santa Ana</i>	Electric Vehicle Lease (2)	\$12,097	\$12,460	44	\$283.76	
<i>County of Orange</i>	Electric Forklift Replacement Program, Purchase-1 Unit	\$32,300	\$3,787	10	\$370.96	
<i>Coachella</i>	Electric Car Purchase (1)	\$21,392	\$2,508	6	\$400.54	
<i>County of Orange</i>	Electric Forklift Replacement Program, Purchase-1 Unit	\$39,509	\$4,632	10	\$453.75	
<i>Long Beach</i>	Purchase of light duty electric vehicles (4)	\$110,567	\$12,962	33	\$396.30	
<i>Santa Monica</i>	Electric Vehicle Purchases	\$32,850	\$3,851	61	\$63.59	
<i>Fullerton</i>	Alt-fuel Fords (purchase) - ZEV	\$40,758	\$41,981	16	\$2,564.23	
<i>Huntington Park</i>	Purchase of Gator Electric Vehicle	\$11,140	\$1,306	0	\$173,362.67	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$480,628	\$106,335	1,494	\$71.17
(1f) Electric Veh Infrastructure						
<i>Murrieta</i>	Purchase and install of electric vehicle charging station	\$18,797	\$19,361	2	\$10,216.69	
<i>County of Orange</i>	EV Charging Station Purchase-9 units	\$5,604	\$5,772	0	\$27,099.15	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$24,401	\$25,133	2	\$11,922.56
		Category Summary	\$5,074,523	\$1,156,092	28,825	\$40.11
(2) Vehicle Emissions Abatement						
(2d) On-road CARB-verified Diesel Emission Control Systems--VDECS						
<i>Indio</i>	Diesel Emission Control Device	\$9,653	\$3,099	25	\$122.55	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$9,653	\$3,099	25	\$122.55
		Category Summary	\$9,653	\$3,099	25	\$122.55

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)					
<i>Rancho Palos Verdes</i>	Public Transit/Fixed Route Shuttle Service	\$48,145	\$49,589	1,145	\$43.32
<i>Temecula</i>	Route 55 Temecula Trolley Services	\$17,049	\$17,560	189	\$92.85
<i>Carson</i>	Public Transportation Services with two (2) new CNG Buses	\$97,169	\$15,790	380	\$41.54
<i>San Juan Capistrano</i>	Trolley Program	\$49,755	\$51,248	380	\$134.80
<i>Anaheim</i>	ART Shuttle - Route 17	\$47,272	\$48,690	152	\$319.76
<i>Rancho Palos Verdes</i>	Public Transit/Fixed Route Shuttle Service	\$5,951	\$6,130	11	\$577.24
<i>Huntington Beach</i>	4th of July/U.S. Open Shuttle Service	\$20,305	\$20,914	38	\$548.40
<i>Seal Beach</i>	Senior Transportation Nutrition Shuttle	\$31,315	\$32,254	36	\$895.46
<i>Duarte</i>	Senior Shuttle Service	\$935	\$963	1	\$1,538.95
<i>La Habra</i>	Shuttles to transport Seniors	\$78,960	\$81,329	52	\$1,559.32
<i>Grand Terrace</i>	Senior Transportation Program	\$833	\$858	0	\$23,044.48
Subcategory Totals and Average cost-effectiveness**:					
(4d) Passenger Fare Subsidies					
<i>Pasadena</i>	Go Verdugo Transit Subsidy Program	\$1,421	\$1,464	2,934	\$0.50
<i>Santa Fe Springs</i>	GO RIO	\$2,062	\$139	120	\$1.15
<i>West Hollywood</i>	Employee Transit Subsidies	\$10,380	\$10,691	9,210	\$1.16
<i>Riverside (City)</i>	Riverside Go Transit Bus Pass Subsidy Program	\$76,077	\$78,359	8,949	\$8.76
<i>Arcadia</i>	Passenger Fare Subsidies	\$1,832	\$1,887	79	\$23.89
<i>Monterey Park</i>	Transit Subsidies	\$2,045	\$2,106	56	\$37.39
<i>Walnut</i>	Bus Pass Subsidies	\$8,766	\$9,029	218	\$41.46
<i>Corona</i>	Corona Cruiser Passenger Fare Subsidy	\$16,629	\$17,128	336	\$50.92
<i>Laguna Beach</i>	Main Line Transit Service	\$14,796	\$15,240	274	\$55.70
<i>Riverside (City)</i>	City Pass Program	\$14,173	\$14,598	228	\$64.10
<i>Laguna Beach</i>	Ride to Work Bus Pass Program	\$8,325	\$8,575	131	\$65.69
<i>Azusa</i>	Transit Pass Subsidy	\$13,653	\$14,063	214	\$65.82
<i>Garden Grove</i>	Transit Subsidy Program (Metrolink & Bus)	\$8,479	\$8,733	111	\$79.00
<i>Los Angeles (City)</i>	Commute Options-Rail and Bus Transit Subsidy Program	\$384,481	\$396,015	28,902	\$13.70
<i>El Monte</i>	Transit Subsidies	\$6,500	\$6,695	69	\$96.90
<i>Covina</i>	Commuter Choice Reimbursement Program	\$2,981	\$3,071	31	\$97.96
<i>Anaheim</i>	Metrolink OCTA	\$118,556	\$122,112	1,435	\$85.10
<i>Norwalk</i>	Transit Subsidy	\$26,000	\$26,780	234	\$114.52
<i>South El Monte</i>	Bus Pass Subsidy Program	\$6,905	\$7,112	53	\$134.51
<i>Glendora</i>	Alternative Commute Program - Public Transit Component	\$737	\$759	5	\$145.24
Subcategory Summary		\$397,689	\$325,326	2,384	\$136.46

Project Category	Project Name	MV Fees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)	
(4d) Passenger Fare Subsidies (cont'd)						
<i>Glendale</i>	Transit Fare Subsidy	\$72,500	\$74,675	507	\$147.24	
<i>Burbank</i>	Employee Transit Subsidies	\$24,282	\$25,010	139	\$179.56	
<i>Claremont</i>	Employees Using Public Transportation (2 Employees)	\$2,772	\$2,855	11	\$255.20	
<i>Monrovia</i>	Discount Bus Pass Program	\$6,082	\$6,265	21	\$298.87	
<i>Compton</i>	Transit Subsidies	\$65,000	\$66,950	220	\$303.95	
<i>Pasadena</i>	Employee Transit Pass Subsidies	\$49,050	\$50,522	213	\$236.80	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$944,483	\$970,832	54,700	\$17.75
		Category Summary	\$1,342,172	\$1,296,157	57,084	\$22.71
(5) Traffic Management						
(5a) Traffic Calming						
<i>Rancho Santa Margarita</i>	Speed Feedback Signs	\$20,470	\$2,056	95	\$21.75	
<i>San Juan Capistrano</i>	Neighbor Traffic Calming Project	\$17,911	\$6,332	202	\$31.41	
<i>Costa Mesa</i>	Construct Intersection Chockers/Medians - E. 19th St	\$1,013	\$1,043	33	\$31.48	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$39,394	\$9,432	329	\$28.64
(5b) Traffic Flow or Signalization (timing, surveillance)						
<i>Rancho Santa Margarita</i>	SMP Signal & Equipment Upgrade	\$256	\$56	1,391	\$0.04	
<i>Highland</i>	Signal Synchronization	\$3,105	\$678	3,646	\$0.19	
<i>Costa Mesa</i>	17th. St. Signal Synchronization Project	\$709	\$155	719	\$0.22	
<i>Costa Mesa</i>	Baker St./Placentia Ave. Traffic Signal Sync Project	\$2,533	\$553	1,742	\$0.32	
<i>Irwindale</i>	Left Turn Phasing Peck Rd and Longden Construction	\$1,750	\$382	1,050	\$0.36	
<i>Laguna Niguel</i>	Traffic Signal Coordination	\$26,677	\$5,825	14,358	\$0.41	
<i>Costa Mesa</i>	Sunflower Ave. Traffic Synchronization Project	\$2,499	\$546	1,298	\$0.42	
<i>Los Angeles (City)</i>	Automatic Traffic Surveillance and Control (ATSAC) Center	\$1,104,624	\$1,137,763	11,565,048	\$0.10	
<i>Costa Mesa</i>	Victoria St. Traffic Signal Synchronization Project	\$1,016	\$222	268	\$0.83	
<i>Costa Mesa</i>	Fairview Rd. Traffic Signal Synchronization Project	\$6,957	\$1,519	1,613	\$0.94	
<i>Placentia</i>	Rose Drive Traffic Signal Synchronization	\$12,200	\$12,566	10,802	\$1.16	
<i>Huntington Beach</i>	Traffic Signal Synchronization	\$178,750	\$39,031	26,206	\$1.49	
<i>Loma Linda</i>	Signal Coordination	\$7,195	\$1,571	724	\$2.17	
<i>Anaheim</i>	Traffic Signal Synchronization	\$124,072	\$27,092	11,686	\$2.32	
<i>Riverside (City)</i>	Riverside Traffic Management Center	\$28,590	\$3,352	750	\$4.47	
<i>Mission Viejo</i>	City of Mission Viejo Traffic Signal Synchronization: FY15-16	\$69,543	\$71,629	78,991	\$0.91	

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>Artesia</i>	Pre-Emption Replacement	\$3,259	\$712	132	\$5.38	
<i>Costa Mesa</i>	Adams Ave. Traffic Synchronization Project	\$36,504	\$7,971	1,160	\$6.87	
<i>Costa Mesa</i>	Victoria St. & Valley Rd. Improvements	\$3,041	\$664	91	\$7.26	
<i>Lake Forest</i>	Trabuco Road Traffic Signal Synchronization	\$29,944	\$30,842	3,934	\$7.84	
<i>Costa Mesa</i>	Newport Blvd. Traffic Synchronization Project	\$81,167	\$17,723	1,372	\$12.91	
<i>Costa Mesa</i>	Bristol St. Traffic Synchronization Project	\$125,396	\$27,381	1,468	\$18.66	
<i>Costa Mesa</i>	Sunflower Ave. & Anton Blvd. Signal Improvements	\$6,414	\$1,401	60	\$23.39	
<i>Rancho Santa Margarita</i>	Antonio Parkway Signal & Equipment Upgrade	\$62,317	\$13,607	503	\$27.03	
<i>Moreno Valley</i>	Traffic Signal Coordination Program	\$77,589	\$79,917	1,045	\$76.50	
<i>Eastvale</i>	Hammer Ave Traffic Signal Synchronization	\$32,031	\$32,992	222	\$148.29	
<i>Costa Mesa</i>	Harbor Blvd. Widening	\$84,193	\$18,384	93	\$198.26	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$2,112,330	\$1,534,532	11,730,372	\$0.13
		Category Summary	\$2,151,724	\$1,543,964	11,730,702	\$0.13
(6) Transportation Demand Management						
(6a) Employer-Based Trip Reduction						
<i>Riverside (City)</i>	Employee Rideshare Program	\$2,989	\$3,079	1,658	\$1.86	
<i>Los Angeles (City)</i>	Vanpool Program	\$723,753	\$745,466	381,593	\$1.95	
<i>County of LA</i>	Countywide Trip Reduction Services/Outreach	\$304,376	\$313,507	57,584	\$5.44	
<i>Bell Gardens</i>	Employee Rideshare Subsidies	\$197	\$203	28	\$7.34	
<i>County of Orange</i>	Employee Rideshare Program	\$35,000	\$36,050	18,648	\$1.93	
<i>Los Angeles (City)</i>	Carpool Program	\$145,540	\$149,906	10,816	\$13.86	
<i>Monrovia</i>	Employee Commute Reduction Program (ECRP)	\$6,082	\$6,265	398	\$15.75	
<i>Newport Beach</i>	Employee Rideshare Program	\$6,576	\$6,773	348	\$19.45	
<i>Santa Clarita</i>	Rideshare	\$2,305	\$2,374	107	\$22.11	
<i>Glendale</i>	Employer Based Trip Reduction Program	\$91,812	\$94,566	3,856	\$24.52	
<i>Anaheim</i>	Trip Reduction Program	\$69,717	\$71,808	2,810	\$25.55	
<i>Montebello</i>	Employee Commute Reduction Program	\$27,624	\$28,453	957	\$29.74	
<i>Torrance</i>	Employee Trip Reduction	\$146,821	\$151,226	4,774	\$31.68	
<i>Commerce</i>	Employer Based Trip Reduction	\$16,504	\$16,999	528	\$32.18	
<i>County of San Bernardino</i>	Employee Commute Reduction Program	\$185,331	\$190,891	5,684	\$33.58	
<i>Ontario</i>	Rideshare	\$29,606	\$30,494	757	\$40.28	
<i>South Gate</i>	Employee Rideshare Program	\$2,486	\$2,561	62	\$41.53	

Project Category	Project Name	MV Fees	Air Funds*	Emission	Cost-	Amortized	Reductions Effectiveness ROG+NO _x +PM _{2.5} +CO/7 (lbs/year)	(\$/lb)	
(6a) Employer-Based Trip Reduction (cont'd)									
	<i>Redondo Beach</i>					\$39,652	\$40,842	957	\$42.67
	<i>Westminster</i>					\$17,476	\$18,000	393	\$45.77
	<i>Palm Desert</i>					\$1,475	\$1,519	33	\$45.84
	<i>Pasadena</i>					\$72,794	\$74,978	3,763	\$19.93
	<i>Azusa</i>					\$9,747	\$10,039	205	\$48.94
	<i>Fontana</i>					\$13,016	\$13,406	243	\$55.27
	<i>Carson</i>					\$18,940	\$19,508	351	\$55.62
	<i>Glendora</i>					\$6,976	\$7,185	110	\$65.47
	<i>West Hollywood</i>					\$41,080	\$42,313	642	\$65.90
	<i>Orange (City)</i>					\$118,665	\$122,225	1,723	\$70.94
	<i>Monterey Park</i>					\$13,638	\$14,047	197	\$71.39
	<i>Covina</i>					\$580	\$597	8	\$76.71
	<i>Hawthorne</i>					\$1,990	\$2,050	27	\$77.13
	<i>Garden Grove</i>					\$39,671	\$40,861	514	\$79.43
	<i>Los Angeles (City)</i>					\$12,832	\$13,217	500	\$26.46
	<i>Cerritos</i>					\$29,407	\$30,289	357	\$84.81
	<i>Stanton</i>					\$1,410	\$1,452	17	\$85.39
	<i>Hermosa Beach</i>					\$2,130	\$2,194	26	\$86.00
	<i>Huntington Beach</i>					\$11,150	\$11,485	133	\$86.44
	<i>El Monte</i>					\$34,600	\$35,638	394	\$90.35
	<i>Burbank</i>					\$38,895	\$40,062	443	\$90.38
	<i>La Verne</i>					\$12,982	\$13,371	120	\$111.22
	<i>San Bernardino (City)</i>					\$113,361	\$116,762	1,038	\$112.43
	<i>County of Riverside</i>					\$196,424	\$202,317	1,742	\$116.13
	<i>Manhattan Beach</i>					\$10,320	\$10,630	83	\$128.21
	<i>Los Angeles (City)</i>					\$16,381	\$16,872	116	\$145.59
	<i>Whittier</i>					\$5,862	\$6,038	41	\$147.19
	<i>Upland</i>					\$15,788	\$16,262	101	\$161.04
	<i>Rialto</i>					\$90,549	\$93,265	559	\$166.81
	<i>Arcadia</i>					\$13,473	\$13,877	80	\$174.53
	<i>Montclair</i>					\$23,343	\$24,043	111	\$216.58
	<i>Santa Ana</i>					\$149,372	\$153,854	650	\$236.70
	<i>Glendora</i>					\$1,234	\$1,271	5	\$237.74
	<i>Rancho Cucamonga</i>					\$24,077	\$24,799	89	\$277.49
	<i>Palm Springs</i>					\$7,269	\$7,487	27	\$281.75

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>Compton</i>	Employee Rideshare Incentives	\$65,000	\$66,950	218	\$307.25	
<i>Baldwin Park</i>	Employee Transportation Program - Monthly Gift Card Drawing	\$3,278	\$3,376	34	\$99.14	
<i>Glendora</i>	Alternative Commute Program - Walking Component	\$3,626	\$3,735	8	\$452.58	
<i>Downey</i>	Downey Employees "Thumbs Up" Commuting Program	\$141,194	\$145,430	252	\$577.30	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$3,216,377	\$3,312,869	506,920	\$6.54
(6b) Other Trip Reduction Incentive Programs						
<i>San Juan Capistrano</i>	Sr Nutritional Transportation Program	\$7,254	\$7,471	21	\$358.14	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$7,254	\$7,471	21	\$358.14
(6c) Vanpool Programs						
<i>Garden Grove</i>	Vanpool Program - Conventional Gasoline	\$50,745	\$52,268	453	\$115.40	
<i>Anaheim</i>	Citywide Vanpool Program	\$81,037	\$83,468	480	\$174.07	
<i>Garden Grove</i>	Vanpool Program - CNG	\$38,734	\$39,896	173	\$231.10	
<i>Westminster</i>	Employee Vanpool Program	\$22,515	\$23,190	59	\$394.04	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$193,031	\$198,822	1,164	\$170.82
		Category Summary	\$3,416,662	\$3,519,162	508,105	\$6.93
(8) Bicycles						
(8a) Bicycle Lanes and Trails (also bridges)						
<i>Yucaipa</i>	Avenue E Curb, Gutter Sidewalk	\$135	\$11	2	\$4.83	
<i>Yucaipa</i>	12th Street Curb, Gutter, Sidewalk	\$488	\$41	3	\$14.17	
<i>Yucaipa</i>	Avenue E Curb, Gutter, Sidewalk	\$1,587	\$133	6	\$20.45	
<i>Riverside (City)</i>	SAR Bike Trail Blind Curve Reconfiguration	\$6,092	\$510	13	\$38.18	
<i>Yorba Linda</i>	Bike lane enhancement program	\$34,000	\$4,571	79	\$57.92	
<i>Long Beach</i>	Class II Bike Lanes to LA River	\$114,829	\$9,619	147	\$65.36	
<i>Pasadena</i>	Class II Painted Bicycle Lanes	\$24,917	\$2,087	26	\$80.91	
<i>Riverside (City)</i>	Market Street Bike Lane Installation	\$50,000	\$3,361	39	\$85.88	
<i>Yucaipa</i>	12th and 13th Streets Curb, Gutter, Sidewalk	\$14,992	\$1,256	8	\$161.88	
<i>Yucaipa</i>	2nd Street Curb, Gutter, Sidewalk	\$18,000	\$1,508	5	\$319.97	
<i>Yucaipa</i>	Avenue D Curb, Gutter, Sidewalk	\$41,894	\$3,509	10	\$364.98	

Project Category	Project Name	MV Fees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)	
(8a) Bicycle Lanes and Trails (also bridges) (cont'd)						
<i>Yucaipa</i>	Avenue E Curb, Gutter, Sidewalk	\$22,000	\$1,843	5	\$391.07	
<i>Yucaipa</i>	4th Street Curb, Gutter, Sidewalk	\$75,000	\$6,282	5	\$1,249.97	
<i>Yucaipa</i>	13th Street Curb, Gutter, Sidewalks	\$63,323	\$5,304	3	\$2,022.76	
<i>Yucaipa</i>	13th Street Curb, Gutter, Sidewalks	\$63,323	\$5,304	3	\$2,022.76	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$467,256	\$40,036	351	\$114.21
(8c) Bicycle Usage (electric bikes, purchases, loaner projects)						
<i>Orange (City)</i>	Bike Loan to Own Program	\$1,721	\$173	197	\$0.88	
<i>Orange (City)</i>	Orange Police Bike Team	\$4,791	\$481	64	\$7.53	
<i>Lomita</i>	Purchase of standard bicycle in lieu of gas powered vehicle	\$502	\$110	3	\$39.38	
<i>Culver City</i>	Purchase of 3 Police Patrol Bicycles	\$5,786	\$1,263	10	\$123.52	
<i>Santa Clarita</i>	Bike to Work/Santa Clarita	\$2,685	\$2,766	10	\$289.09	
<i>Garden Grove</i>	Bicycle Loan Program	\$2,642	\$2,722	4	\$704.50	
<i>West Hollywood</i>	Bike Share Program for Employees	\$22,245	\$22,912	28	\$813.64	
<i>Long Beach</i>	Bike Share Program	\$305,297	\$314,456	55	\$5,720.94	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$345,669	\$344,882	371	\$929.89
		Category Summary	\$812,925	\$384,918	721	\$533.54
(9) PM Reduction Strategies						
(9a) Road Dust Control (paving roads, shoulders, street sweeping)						
<i>El Monte</i>	Regional PM10 Street Sweepers Contract (2 Vehicles)	\$98,184	\$101,130	4,536	\$22.30	
<i>Desert Hot Springs</i>	Local Street Sweeping Operation - Pacific	\$8,148	\$955	40	\$23.89	
<i>Jurupa Valley</i>	Contract Street Sweeping	\$57,120	\$58,834	2,211	\$26.61	
<i>Loma Linda</i>	City Street Sweeping Program	\$19,200	\$2,251	61	\$36.95	
<i>Desert Hot Springs</i>	Local Street Sweeping Operation - Pacific	\$8,148	\$955	20	\$47.66	
<i>Hawthorne</i>	PM10 Reduction Street Sweeping project	\$100,000	\$103,000	2,106	\$48.90	
<i>Norwalk</i>	Cleaner Street Sweeping Contract	\$87,564	\$90,191	13,502	\$6.68	
<i>Walnut</i>	Street Sweeping with CNG Sweeper	\$50,860	\$52,386	947	\$55.35	
<i>Indian Wells</i>	Regional PM 10 Street Sweeping Program	\$3,707	\$3,818	58	\$65.78	
<i>Coachella</i>	Regional PM10 Street Sweeping Program	\$33,372	\$34,373	507	\$67.75	
<i>Desert Hot Springs</i>	Regional PM10 Street Sweeping Program	\$21,306	\$21,945	324	\$67.81	
<i>Palm Desert</i>	Regional PM10 Street Sweeping Program	\$38,827	\$39,992	589	\$67.86	
<i>Palm Springs</i>	Regional PM10 Street Sweeping Program	\$35,431	\$36,494	536	\$68.05	
<i>Indio</i>	Regional PM10 Street Sweeping Program	\$64,167	\$66,092	971	\$68.06	
<i>Cathedral City</i>	Regional PM10 Street Sweeping Program	\$40,242	\$41,449	609	\$68.08	

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)						
<i>La Quinta</i>	Regional PM10 Street Sweeping Program	\$30,143	\$31,048	454	\$68.37	
<i>Rancho Mirage</i>	Regional PM10 Street Sweeping Program	\$13,474	\$13,878	203	\$68.42	
<i>County of Riverside</i>	Regional PM10 Street Sweeping Program	\$38,554	\$39,711	580	\$68.50	
<i>Moreno Valley</i>	Street Sweeping Program	\$160,655	\$165,475	1,589	\$104.12	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$909,103	\$903,976	29,843	\$30.29
		Category Summary	\$909,103	\$903,976	29,843	\$30.29
(11) Miscellaneous Projects						
(11a) Miscellaneous (use with "Miscellaneous Projects" Category)						
<i>Irvine</i>	Purchase Rule 2202 Emission Credits	\$7,851	\$8,087	785	\$10.30	
<i>Riverside (City)</i>	AQMD Rule 2202 Compliance - Purchase Emission Credits	\$23,400	\$24,102	2,337	\$10.31	
<i>Whittier</i>	Rule 2202 Compliance - Emission Credits Purchased	\$7,136	\$7,350	646	\$11.39	
<i>Costa Mesa</i>	Rule 2202 Implementation - Purchase Emission Credits	\$6,887	\$7,094	593	\$11.96	
<i>Chino</i>	Vehicle Emissions Credits Purchased	\$5,930	\$6,108	505	\$12.09	
<i>Pomona</i>	Purchase of Emission Credits	\$4,500	\$4,635	342	\$13.55	
<i>County of Riverside</i>	Purchase of Mobile Source Emission Reduction Credits	\$218,935	\$225,503	15,698	\$14.37	
<i>Fullerton</i>	Rule 2202 Emission Credits	\$21,170	\$21,805	1,412	\$15.45	
<i>Long Beach</i>	Rule 2202 Emissions Credit Purchase	\$35,691	\$36,762	2,153	\$17.07	
<i>West Covina</i>	Air Quality Investment Program (AQIP)	\$5,555	\$5,722	256	\$22.31	
<i>Riverside (City)</i>	ProjectDox	\$38,226	\$4,481	38	\$118.88	
<i>Los Alamitos</i>	Reduce Traffic to/from City Hall by providing online srvc	\$4,000	\$4,120	63	\$65.72	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$379,282	\$355,769	24,828	\$14.33
		Category Summary	\$379,282	\$355,769	24,828	\$14.33
		Program Summary	\$14,096,046	\$9,163,137	12,380,133	\$0.74

*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 2015 - 2016

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 of 1 CNG Ford Crown Victoria	\$253.41	\$253.41	\$148.30	\$148.30
<i>Alhambra</i>	Purchase of 1 Hyundai Sonata Plug-In Hybrid	\$251.57	\$251.57	\$139.50	\$139.50
<i>Alhambra</i>	Purchase of 1 Ford Fusion Energi Hybrid	\$276.77	\$276.77	\$153.48	\$153.48
<i>Alhambra</i>	Purchase 1 Toyota Rav4 Hybrid	\$242.07	\$242.07	\$134.24	\$134.24
<i>Alhambra</i>	Purchase of 4 CNG Honda Civic	\$190.62	\$190.62	\$105.71	\$105.71
<i>Azusa</i>	Propane Fuel Street Sweeper Lease Payments	\$17,202.05	\$22,968.46	\$17,164.34	\$22,918.11
<i>Baldwin Park</i>	Alternative Fuel Vehicle Purchase (Prius)	\$348.28	\$348.28	\$193.13	\$193.13
<i>Banning</i>	Purchased one (1) brand new CNG Street	\$108.83	\$108.83	\$107.32	\$107.32
<i>Bellflower</i>	One Brand New Ford F-250 CNG	\$370.81	\$370.81	\$376.24	\$376.24
<i>Bellflower</i>	One Brand New Ford F-550 XL CNG	\$283.92	\$283.92	\$280.16	\$280.16
<i>Buena Park</i>	Honda CNG Sedans - 2	\$302.71	\$302.71	\$167.86	\$167.86
<i>Calabasas</i>	Continued lease of 7 vehicles	\$40.89	\$40.89	\$23.93	\$23.93
<i>Calabasas</i>	Lease of (1) 2016 Toyota Prius	\$35.25	\$35.25	\$19.55	\$19.55
<i>Chino</i>	Purchase of Freightliner	\$1.30	\$1.30	\$1.25	\$1.25
<i>Chino</i>	Purchase of Freightliner Vactor	\$1.11	\$1.11	\$1.07	\$1.07
<i>Claremont</i>	Purchase of 3 CNG Trash Trucks	\$165.21	\$891.89	\$135.85	\$733.37
<i>Coachella</i>	Electric Car Purchase (1)	\$767.46	\$767.46	\$400.54	\$400.54
<i>Colton</i>	Lease of a CNG Street Sweeper	\$60.22	\$60.22	\$60.22	\$60.22
<i>County of Orange</i>	Electric Forklift Replacement Program,	\$490.17	\$490.17	\$453.75	\$453.75
<i>County of Orange</i>	Electric Forklift Replacement Program,	\$400.73	\$400.73	\$370.96	\$370.96
<i>County of Orange</i>	EV Charging Station Purchase-9 units	\$27,099.15	\$27,099.15	\$27,099.15	\$27,099.15
<i>Cudahy</i>	Hybrid Vehicle Lease	\$255.38	\$255.38	\$141.62	\$141.62
<i>Downey</i>	Purchase of (3) Hybrid Vehicles	\$177.44	\$177.44	\$98.40	\$98.40
<i>Duarte</i>	Alt Fuel Vehicle Purchase	\$86.59	\$86.59	\$48.02	\$48.02
<i>Eastvale</i>	Purchase City Electrical Vehicle	\$186.27	\$186.27	\$103.29	\$103.29
<i>El Segundo</i>	Public Works Pool Vehicle Replacement	\$446.27	\$446.27	\$248.78	\$248.78
<i>Fontana</i>	AFV Rebate Program	\$872.81	\$872.81	\$510.78	\$510.78
<i>Fullerton</i>	Alt-fuel Fords (purchase) - SULEV	\$5,092.58	\$5,092.58	\$2,824.02	\$2,824.02
<i>Fullerton</i>	Alt-fuel Fords (purchase) - ZEV	\$4,934.84	\$4,934.84	\$2,564.23	\$2,564.23
<i>Fullerton</i>	Lease of 3 CNG vehicles	\$439.29	\$439.29	\$258.32	\$258.32
<i>Fullerton</i>	Purchase of CNG Street Sweeper	\$79.51	\$79.51	\$78.27	\$78.27

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>Garden Grove</i>	Clean Vehicle Rebate program	\$21.13	\$21.13	\$11.72	\$11.72
<i>Glendora</i>	Purchased (2) CNG Shuttles	\$741.73	\$801.24	\$474.80	\$512.90
<i>Hemet</i>	Purchased Vactor Jetter CNG Truck	\$468.69	\$10,994.11	\$452.57	\$10,615.91
<i>Huntington Beach</i>	Purchase CNG Truck	\$636.87	\$636.87	\$574.09	\$574.09
<i>Huntington Park</i>	Lease of (1) Electric Vehicle	\$22.22	\$22.22	\$12.32	\$12.32
<i>Huntington Park</i>	Purchase of Gator Electric Vehicle	\$368,719.11	\$368,719.11	\$173,362.67	\$173,362.67
<i>Huntington Park</i>	Lease of Toyota Hylander Hybrid	\$25.61	\$25.61	\$14.20	\$14.20
<i>Indio</i>	Alternative Vehicle Vactor Truck	\$94.81	\$94.81	\$94.30	\$94.30
<i>Inglewood</i>	Purchase of 17 Vehicles	\$153.11	\$153.11	\$84.91	\$84.91
<i>Irvine</i>	CNG Patcher Conversion	\$6.42	\$6.42	\$6.42	\$6.42
<i>Irvine</i>	CNG Vehicles Conversion	\$610.99	\$610.99	\$610.99	\$610.99
<i>Irvine</i>	CNG Vehicles Conversion	\$12,065.89	\$12,065.89	\$11,650.83	\$11,650.83
<i>Jurupa Valley</i>	Purchase of 8 CNG Light Duty Trucks	\$751.82	\$751.82	\$459.02	\$459.02
<i>Jurupa Valley</i>	Purchase of 6 Hybrid AT-PZEV Vehicles for	\$605.55	\$605.55	\$354.46	\$354.46
<i>La Canada Flintridge</i>	Purchase one Hybrid Chevy Volt	\$795.19	\$795.19	\$440.96	\$440.96
<i>Lakewood</i>	Purchase New Honda Civic CNG Vehicle	\$218.51	\$218.51	\$127.88	\$127.88
<i>Loma Linda</i>	Fuel efficient carpool vehicle	\$813.99	\$813.99	\$451.38	\$451.38
<i>Lomita</i>	Leasing alternative fuel street sweepers	\$59.45	\$59.45	\$59.44	\$59.44
<i>Long Beach</i>	Purchase of light duty electric vehicles (4)	\$759.35	\$889.84	\$396.30	\$464.41
<i>Long Beach</i>	Purchase/Conversion of Medium-duty Truck	\$791.02	\$791.02	\$502.37	\$502.37
<i>Long Beach</i>	Purchase of Plug-In Hybrid (2)	\$272.05	\$489.24	\$150.86	\$271.30
<i>Los Angeles (City)</i>	#7 Alt Fuel Purch-16 CNG Solid Waste	\$9.69	\$9.69	\$9.64	\$9.64
<i>Los Angeles (City)</i>	#6 Alt Fuel Veh Purch-3 CNG Sewer Cleaner	\$25.99	\$25.99	\$25.85	\$25.85
<i>Los Angeles (City)</i>	#5 Alt Fuel Veh Purch-Three 2015 CNG	\$14.13	\$14.13	\$13.94	\$13.94
<i>Los Angeles (City)</i>	#3 Alt Fuel Veh Purch-One 2016 CNG 4X4	\$44.24	\$44.24	\$44.00	\$44.00
<i>Los Angeles (City)</i>	#1 Purchase-Two (2) CNG Traffic Paint	\$214.45	\$214.45	\$211.61	\$211.61
<i>Los Angeles (City)</i>	#4 Alt Fuel Veh Purch-Three CNG	\$35.73	\$35.73	\$35.54	\$35.54
<i>Los Angeles (City)</i>	#2 Alt Fuel Veh Purch-One CNG 4X4 Lube	\$44.24	\$44.24	\$44.00	\$44.00
<i>Manhattan Beach</i>	CNG Bus Purchase	\$910.05	\$910.05	\$884.82	\$884.82
<i>Menifee</i>	Hybrid Vehicle Purchase	\$671.52	\$671.52	\$372.38	\$372.38
<i>Murrieta</i>	Purchase and install of electric vehicle	\$19,575.97	\$19,575.97	\$10,216.69	\$10,216.69

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>Murrieta</i>	Purchase of Two (2) Chevy Volt fleet	\$196.35	\$196.35	\$108.88	\$108.88
<i>Norwalk</i>	Purchase of Two CNG Vehicles	\$3,239.53	\$3,239.53	\$2,198.44	\$2,198.44
<i>Paramount</i>	Purchase of (2) Hybrid Vehicles	\$265.86	\$265.86	\$148.14	\$148.14
<i>Pico Rivera</i>	Lease payments of (6) Hybrid Vehicles	\$370.43	\$370.43	\$206.41	\$206.41
<i>Placentia</i>	Purchase of 10 Chevy Spark electric vehicles	\$28.79	\$28.79	\$14.30	\$14.30
<i>Riverside (City)</i>	Electric Vehicle Rebate Program	\$2.56	\$2.56	\$1.34	\$1.34
<i>Rosemead</i>	Convert 5 Transit buses from Gas to Propane	\$153.29	\$153.29	\$153.29	\$153.29
<i>San Gabriel</i>	Gator Electric Utility Vehicle	\$33.41	\$33.41	\$31.89	\$31.89
<i>Santa Ana</i>	Electric Vehicle Lease (2)	\$543.71	\$543.71	\$283.76	\$283.76
<i>Santa Monica</i>	Hydrogen Powered Vehicle Lease	\$2,479.21	\$4,958.42	\$1,293.90	\$2,587.80
<i>Santa Monica</i>	Electric Vehicle Purchases	\$121.83	\$2,181.23	\$63.59	\$1,138.38
<i>South El Monte</i>	Hybrid (1) Vehicle Lease	\$7.87	\$7.87	\$4.36	\$4.36
<i>South Gate</i>	Alternative Fuel Vehicle Lease	\$27.56	\$27.56	\$27.24	\$27.24
<i>Stanton</i>	Purchased (1) RAV4 Hybrid Code	\$737.30	\$737.30	\$408.86	\$408.86
<i>Temple City</i>	Lease of 7 Hybrid Vehicles	\$90.69	\$90.69	\$50.29	\$50.29
<i>Upland</i>	Vehicle Purchase	\$143.32	\$143.32	\$79.48	\$79.48
<i>Walnut</i>	Purchase of Hybrid Vehicle	\$70.52	\$259.30	\$39.11	\$143.79
<i>West Covina</i>	West Covina PD - Parking Enforcement	\$408.13	\$408.13	\$226.32	\$226.32
<i>Yorba Linda</i>	Fleet Vehicle Replacement Program	\$158.64	\$158.64	\$87.97	\$87.97
(2) Vehicle Emissions Abatement					
<i>Indio</i>	Diesel Emission Control Device	\$123.95	\$123.95	\$122.55	\$122.55
(4) Public Transportation (Transit & Rail)					
<i>Anaheim</i>	Metrolink OCTA	\$137.86	\$162.80	\$85.10	\$100.49
<i>Anaheim</i>	ART Shuttle - Route 17	\$425.26	\$467.31	\$319.76	\$351.38
<i>Arcadia</i>	Passenger Fare Subsidies	\$38.71	\$38.71	\$23.89	\$23.89
<i>Azusa</i>	Transit Pass Subsidy	\$106.63	\$106.63	\$65.82	\$65.82
<i>Burbank</i>	Employee Transit Subsidies	\$290.88	\$290.88	\$179.56	\$179.56
<i>Carson</i>	Public Transportation Services with two (2)	\$53.10	\$170.31	\$41.54	\$133.23
<i>Claremont</i>	Employees Using Public Transportation (2)	\$415.42	\$415.42	\$255.20	\$255.20
<i>Compton</i>	Transit Subsidies	\$488.61	\$488.61	\$303.95	\$303.95
<i>Corona</i>	Corona Cruiser Passenger Fare Subsidy	\$82.12	\$82.12	\$50.92	\$50.92
<i>Covina</i>	Commuter Choice Reimbursement Program	\$158.23	\$158.23	\$97.96	\$97.96
<i>Duarte</i>	Senior Shuttle Service	\$2,490.46	\$2,490.46	\$1,538.95	\$1,538.95
<i>El Monte</i>	Transit Subsidies	\$156.98	\$156.98	\$96.90	\$96.90

Project Category	Project Name	Cost-Effectiveness (\$/lb) *Based on ROG+NOx+PM2.5		Cost-Effectiveness (\$/lb) Based on ROG+NOx+PM2.5+CO/7	
		Air Funds	ALL Funds	Air Funds	ALL Funds
(4) Public Transportation (Transit & Rail) (cont'd)					
<i>El Monte</i>	Transit Subsidies	\$156.98	\$156.98	\$96.90	\$96.98
<i>Garden Grove</i>	Transit Subsidy Program (Metrolink & Bus)	\$127.98	\$127.98	\$79.00	\$79.00
<i>Glendale</i>	Transit Fare Subsidy	\$236.70	\$236.70	\$147.24	\$147.24
<i>Glendora</i>	Alternative Commute Program - Public	\$235.29	\$235.29	\$145.24	\$145.24
<i>Grand Terrace</i>	Senior Transportation Program	\$15,723.24	\$166,632.33	\$23,044.48	\$244,221.71
<i>Huntington Beach</i>	4th of July/U.S. Open Shuttle Service	\$881.44	\$1,139.86	\$548.40	\$709.18
<i>La Habra</i>	Shuttles to transport Seniors	\$2,107.47	\$4,228.23	\$1,559.32	\$3,128.47
<i>Laguna Beach</i>	Ride to Work Bus Pass Program	\$109.55	\$109.55	\$65.69	\$65.69
<i>Laguna Beach</i>	Main Line Transit Service	\$90.08	\$90.08	\$55.70	\$55.70
<i>Los Angeles (City)</i>	Commute Options-Rail and Bus Transit	\$22.28	\$130.17	\$13.70	\$80.07
<i>Monrovia</i>	Discount Bus Pass Program	\$478.62	\$478.62	\$298.87	\$298.87
<i>Monterey Park</i>	Transit Subsidies	\$60.57	\$60.57	\$37.39	\$37.39
<i>Norwalk</i>	Transit Subsidy	\$185.52	\$185.52	\$114.52	\$114.52
<i>Pasadena</i>	Go Verdugo Transit Subsidy Program	\$0.81	\$0.81	\$0.50	\$0.50
<i>Pasadena</i>	Employee Transit Pass Subsidies	\$383.61	\$905.65	\$236.80	\$559.05
<i>Rancho Palos Verdes</i>	Public Transit/Fixed Route Shuttle Service	\$277.19	\$277.19	\$577.24	\$577.24
<i>Rancho Palos Verdes</i>	Public Transit/Fixed Route Shuttle Service	\$102.56	\$102.56	\$43.32	\$43.32
<i>Riverside (City)</i>	City Pass Program	\$103.85	\$103.85	\$64.10	\$64.10
<i>Riverside (City)</i>	Riverside Go Transit Bus Pass Subsidy Program	\$14.19	\$14.19	\$8.76	\$8.76
<i>San Juan Capistrano</i>	Trolley Program	\$216.46	\$216.46	\$134.80	\$134.80
<i>Santa Fe Springs</i>	GO RIO	\$1.86	\$1.86	\$1.15	\$1.15
<i>Seal Beach</i>	Senior Transportation Nutrition Shuttle	\$1,213.57	\$1,213.57	\$895.46	\$895.46
<i>South El Monte</i>	Bus Pass Subsidy Program	\$216.25	\$216.25	\$134.51	\$134.51
<i>Temecula</i>	Route 55 Temecula Trolley Services	\$105.99	\$105.99	\$92.85	\$92.85
<i>Walnut</i>	Bus Pass Subsidies	\$66.66	\$66.66	\$41.46	\$41.46
<i>West Hollywood</i>	Employee Transit Subsidies	\$1.88	\$1.88	\$1.16	\$1.16
(5) Traffic Management					
<i>Anaheim</i>	Traffic Signal Synchronization	\$3.06	\$3.37	\$2.32	\$2.55
<i>Artesia</i>	Pre-Emption Replacement	\$6.71	\$6.71	\$5.38	\$5.38
<i>Costa Mesa</i>	Bristol St. Traffic Synchronization Project	\$26.65	\$26.65	\$18.66	\$18.66

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
(5) Traffic Management (cont'd)					
<i>Costa Mesa</i>	Newport Blvd. Traffic Synchronization Project	\$20.29	\$20.29	\$12.91	\$12.91
<i>Costa Mesa</i>	Adams Ave. Traffic Synchronization Project	\$9.82	\$9.82	\$6.87	\$6.87
<i>Costa Mesa</i>	Baker St./Placentia Ave. Traffic Signal Sync	\$0.45	\$0.45	\$0.32	\$0.32
<i>Costa Mesa</i>	Construct Intersection Chockers/Medians -	\$52.17	\$52.17	\$31.48	\$31.48
<i>Costa Mesa</i>	Sunflower Ave. Traffic Synchronization	\$0.60	\$0.60	\$0.42	\$0.42
<i>Costa Mesa</i>	Fairview Rd. Traffic Signal Synchronization	\$1.21	\$1.21	\$0.94	\$0.94
<i>Costa Mesa</i>	Victoria St. & Valley Rd. Improvements	\$9.33	\$9.33	\$7.26	\$7.26
<i>Costa Mesa</i>	Victoria St. Traffic Signal Synchronization	\$1.66	\$1.66	\$0.83	\$0.83
<i>Costa Mesa</i>	Harbor Blvd. Widening	\$290.31	\$290.31	\$198.26	\$198.26
<i>Costa Mesa</i>	17th. St. Signal Synchronization Project	\$0.32	\$0.32	\$0.22	\$0.22
<i>Costa Mesa</i>	Sunflower Ave. & Anton Blvd. Signal	\$32.30	\$32.30	\$23.39	\$23.39
<i>Eastvale</i>	Hamner Ave Traffic Signal Synchronization	\$148.29	\$148.29	\$148.29	\$148.29
<i>Highland</i>	Signal Synchronization	\$0.25	\$0.25	\$0.19	\$0.19
<i>Huntington Beach</i>	Traffic Signal Synchronization	\$1.91	\$1.91	\$1.49	\$1.49
<i>Irwindale</i>	Left Turn Phasing Peck Rd and Longden	\$0.44	\$0.44	\$0.36	\$0.36
<i>Laguna Niguel</i>	Traffic Signal Coordination	\$0.46	\$0.46	\$0.41	\$0.41
<i>Lake Forest</i>	Trabuco Road Traffic Signal Synchronization	\$13.62	\$13.62	\$7.84	\$7.84
<i>Loma Linda</i>	Signal Coordination	\$2.94	\$2.94	\$2.17	\$2.17
<i>Los Angeles (City)</i>	Automatic Traffic Surveillance and Control	\$0.13	\$1.00	\$0.10	\$0.73
<i>Mission Viejo</i>	City of Mission Viejo Traffic Signal	\$1.34	\$7.70	\$0.91	\$5.21
<i>Moreno Valley</i>	Traffic Signal Coordination Program	\$109.28	\$109.28	\$76.50	\$76.50
<i>Placentia</i>	Rose Drive Traffic Signal Synchronization	\$1.96	\$1.96	\$1.16	\$1.16
<i>Rancho Santa Margarita</i>	SMP Signal & Equipment Upgrade	\$0.05	\$0.05	\$0.04	\$0.04
<i>Rancho Santa Margarita</i>	Antonio Parkway Signal & Equipment	\$42.47	\$42.47	\$27.03	\$27.03
<i>Rancho Santa Margarita</i>	Speed Feedback Signs	\$26.36	\$26.36	\$21.75	\$21.75
<i>Riverside (City)</i>	Riverside Traffic Management Center	\$5.73	\$5.73	\$4.47	\$4.47
<i>San Juan Capistrano</i>	Neighbor Traffic Calming Project	\$40.08	\$40.08	\$31.41	\$31.41
(6) Transportation Demand Management					
<i>Anaheim</i>	Citywide Vanpool Program	\$174.27	\$210.86	\$174.07	\$210.62
<i>Anaheim</i>	Trip Reduction Program	\$41.39	\$45.48	\$25.55	\$28.08
<i>Arcadia</i>	Employer Based Trip Reduction Program	\$280.57	\$280.57	\$174.53	\$174.53
<i>Azusa</i>	Rideshare Financial Incentives	\$79.28	\$79.28	\$48.94	\$48.94
<i>Baldwin Park</i>	Employee Transportation Program	\$160.15	\$533.37	\$99.14	\$330.20

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>Bell Gardens</i>	Employee Rideshare Subsidies	\$11.89	\$11.89	\$7.34	\$7.34
<i>Burbank</i>	Employee Rideshare Subsidies	\$146.42	\$146.42	\$90.38	\$90.38
<i>Carson</i>	Breathe - Employee Rideshare Program	\$90.10	\$90.10	\$55.62	\$55.62
<i>Cerritos</i>	Employee Rideshare Trip Rebate Program	\$137.39	\$137.39	\$84.81	\$84.81
<i>Commerce</i>	Employer Based Trip Reduction	\$52.13	\$52.13	\$32.18	\$32.18
<i>Compton</i>	Employee Rideshare Incentives	\$497.74	\$497.74	\$307.25	\$307.25
<i>County of LA</i>	Countywide Trip Reduction	\$8.82	\$8.82	\$5.44	\$5.44
<i>County of Orange</i>	Employee Rideshare Program	\$3.12	\$17.62	\$1.93	\$10.93
<i>County of Riverside</i>	Commuter Services Program	\$188.13	\$188.13	\$116.13	\$116.13
<i>County of San Bernardino</i>	Vanpool Subsidy Program	(\$33.14)	(\$33.14)	(\$17.67)	(\$17.67)
<i>County of San Bernardino</i>	Employee Commute Reduction Program	\$54.40	\$54.40	\$33.58	\$33.58
<i>Covina</i>	Commuter Rideshare Program	\$123.84	\$123.84	\$76.71	\$76.71
<i>Downey</i>	Downey Employees "Thumbs Up"	\$935.22	\$935.22	\$577.30	\$577.30
<i>El Monte</i>	Monthly Rideshare Incentives	\$140.47	\$140.47	\$90.35	\$90.35
<i>Fontana</i>	Rule 2022 Rideshare Subsidies & Activities	\$89.59	\$89.59	\$55.27	\$55.27
<i>Garden Grove</i>	Vanpool Program - CNG	\$354.60	\$354.60	\$231.10	\$231.10
<i>Garden Grove</i>	TDM Services	\$128.67	\$128.67	\$79.43	\$79.43
<i>Garden Grove</i>	Vanpool Program - Conventional Gasoline	\$180.93	\$180.93	\$115.40	\$115.40
<i>Glendale</i>	Employer Based Trip Reduction Program	\$39.73	\$39.73	\$24.52	\$24.52
<i>Glendora</i>	Alternative Commute Program - Walking	\$782.81	\$782.81	\$452.58	\$452.58
<i>Glendora</i>	Alternative Commute Program - Bicycle	\$399.27	\$399.27	\$237.74	\$237.74
<i>Glendora</i>	Alternative Commute Program - Carpool	\$106.07	\$106.07	\$65.47	\$65.47
<i>Hawthorne</i>	Financial Incentives for rideshare	\$124.96	\$124.96	\$77.13	\$77.13
<i>Hermosa Beach</i>	AQMD Incentives to reduce auto trips	\$139.32	\$139.32	\$86.00	\$86.00
<i>Huntington Beach</i>	Employee Rideshare Program	\$140.03	\$140.03	\$86.44	\$86.44
<i>La Verne</i>	Ride Share Program	\$180.84	\$180.84	\$111.22	\$111.22
<i>Los Angeles (City)</i>	Vanpool Program	\$3.16	\$7.11	\$1.95	\$4.39
<i>Los Angeles (City)</i>	Bicycle Transit Incentive Program	\$42.86	\$137.21	\$26.46	\$84.70
<i>Los Angeles (City)</i>	Carpool Program	\$22.45	\$22.45	\$13.86	\$13.86
<i>Los Angeles (City)</i>	Walk Subsidy	\$251.81	\$251.81	\$145.59	\$145.59
<i>Manhattan Beach</i>	Employee Rideshare Program	\$207.70	\$207.70	\$128.21	\$128.21
<i>Monrovia</i>	Employee Commute Reduction	\$25.20	\$25.20	\$15.75	\$15.75
<i>Montclair</i>	Employer Rideshare Program	\$349.54	\$349.54	\$216.58	\$216.58
<i>Montebello</i>	Employee Commute Reduction Program	\$48.18	\$48.18	\$29.74	\$29.74
<i>Monterey Park</i>	Employer Transportation Program	\$115.65	\$115.65	\$71.39	\$71.39

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
(6) Transportation Demand Management (cont'd)					
<i>Newport Beach</i>	Employee Rideshare Program	\$31.51	\$31.51	\$19.45	\$19.45
<i>Ontario</i>	Rideshare	\$72.07	\$72.07	\$40.28	\$40.28
<i>Orange (City)</i>	Trip Reduction Program	\$114.73	\$114.73	\$70.94	\$70.94
<i>Palm Desert</i>	City Rideshare Program	\$74.37	\$74.37	\$45.84	\$45.84
<i>Palm Springs</i>	Rideshare Subsidy	\$456.44	\$456.44	\$281.75	\$281.75
<i>Pasadena</i>	Prideshare	\$32.28	\$76.21	\$19.93	\$47.04
<i>Rancho Cucamonga</i>	Employer Ride Share Program	\$449.53	\$449.53	\$277.49	\$277.49
<i>Redondo Beach</i>	Employee Rideshare	\$69.00	\$69.00	\$42.67	\$42.67
<i>Rialto</i>	Rideshare Program	\$270.24	\$270.24	\$166.81	\$166.81
<i>Riverside (City)</i>	Employee Rideshare Program	\$3.01	\$3.01	\$1.86	\$1.86
<i>San Bernardino (City)</i>	Employee Rideshare Program	\$182.14	\$182.14	\$112.43	\$112.43
<i>San Juan Capistrano</i>	Sr. Nutritional Transportation Program	\$577.84	\$3,467.06	\$358.14	\$2,148.87
<i>Santa Ana</i>	Blue Skies Ride share Program	\$383.45	\$383.45	\$236.70	\$236.70
<i>Santa Clarita</i>	Rideshare	\$35.83	\$35.83	\$22.11	\$22.11
<i>South Gate</i>	Employee Rideshare Program	\$67.28	\$67.28	\$41.53	\$41.53
<i>Stanton</i>	Employee Commute Incentive Program	\$138.34	\$138.34	\$85.39	\$85.39
<i>Torrance</i>	Employee Trip Reduction	\$51.14	\$51.14	\$31.68	\$31.68
<i>Upland</i>	Rideshare Activities	\$260.88	\$260.88	\$161.04	\$161.04
<i>West Hollywood</i>	Alternative Transportation Program	\$107.82	\$107.82	\$65.90	\$65.90
<i>Westminster</i>	Employee Vanpool Program	\$447.95	\$447.95	\$394.04	\$394.04
<i>Westminster</i>	Employee Rideshare Program	\$74.15	\$74.15	\$45.77	\$45.77
<i>Whittier</i>	Employee Rideshare	\$239.11	\$239.11	\$147.19	\$147.19
(8) Bicycles					
<i>Culver City</i>	Purchase of 3 Police Patrol Bicycles	\$232.27	\$232.27	\$123.52	\$123.52
<i>Garden Grove</i>	Bicycle Loan Program	\$1,218.54	\$1,218.54	\$704.50	\$704.50
<i>Lomita</i>	Purchase of standard bicycle in lieu of gas	\$74.05	\$74.05	\$39.38	\$39.38
<i>Long Beach</i>	Bike Share Program	\$9,996.30	\$9,996.30	\$5,720.94	\$5,720.94
<i>Long Beach</i>	Class II Bike Lanes to LA River	\$104.24	\$104.24	\$65.36	\$65.36
<i>Orange (City)</i>	Bike Loan to Own Program	\$1.64	\$1.64	\$0.88	\$0.88
<i>Orange (City)</i>	Orange Police Bike Team	\$14.16	\$14.16	\$7.53	\$7.53
<i>Pasadena</i>	Class II Painted Bicycle Lanes	\$135.81	\$135.81	\$80.91	\$80.91
<i>Riverside (City)</i>	Market Street Bike Lane Installation	\$143.97	\$143.97	\$85.88	\$85.88
<i>Riverside (City)</i>	SAR Bike Trail Blind Curve Reconfiguration	\$61.00	\$61.00	\$38.18	\$38.18
<i>Santa Clarita</i>	Bike to Work/Santa Clarita	\$468.32	\$468.32	\$289.09	\$289.09

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
(8) Bicycles (cont'd)					
<i>West Hollywood</i>	Bike Share Program for Employees	\$1,316.70	\$1,316.70	\$813.64	\$813.64
<i>Yorba Linda</i>	Bike lane enhancement program	\$92.38	\$92.38	\$57.92	\$57.92
<i>Yucaipa</i>	4th Street Curb, Gutter, Sidewalk	\$1,996.84	\$1,996.84	\$1,249.97	\$1,249.97
<i>Yucaipa</i>	12th Street Curb, Gutter, Sidewalk	\$22.83	\$22.83	\$14.17	\$14.17
<i>Yucaipa</i>	12th and 13th Streets Curb, Gutter, Sidewalk	\$258.60	\$258.60	\$161.88	\$161.88
<i>Yucaipa</i>	Avenue D Curb, Gutter, Sidewalk	\$583.05	\$583.05	\$364.98	\$364.98
<i>Yucaipa</i>	Avenue E Curb, Gutter Sidewalk	\$7.72	\$7.72	\$4.83	\$4.83
<i>Yucaipa</i>	Avenue E Curb, Gutter, Sidewalk	\$624.74	\$624.74	\$391.07	\$391.07
<i>Yucaipa</i>	13th Street Curb, Gutter, Sidewalks	\$3,231.40	\$3,231.40	\$2,022.76	\$2,022.76
<i>Yucaipa</i>	2nd Street Curb, Gutter, Sidewalk	\$511.15	\$511.15	\$319.97	\$319.97
<i>Yucaipa</i>	Avenue E Curb, Gutter, Sidewalk	\$32.67	\$32.67	\$20.45	\$20.45
(9) PM Reduction Strategies					
<i>Cathedral City</i>	Regional PM10 Street Sweeping Program	\$68.13	\$68.13	\$68.08	\$68.08
<i>Coachella</i>	Regional PM10 Street Sweeping Program	\$67.80	\$67.80	\$67.75	\$67.75
<i>County of Riverside</i>	Regional PM10 Street Sweeping Program	\$68.55	\$68.55	\$68.50	\$68.50
<i>Desert Hot Springs</i>	Local Street Sweeping Operation	\$46.96	\$46.96	\$47.66	\$47.66
<i>Desert Hot Springs</i>	Regional PM10 Street Sweeping Program	\$67.86	\$67.86	\$67.81	\$67.81
<i>Desert Hot Springs</i>	Local Street Sweeping Operation	\$23.62	\$23.62	\$23.89	\$23.89
<i>El Monte</i>	Regional PM10 Street Sweepers Contract	\$22.53	\$22.53	\$22.30	\$22.30
<i>Hawthorne</i>	PM10 Reduction Street Sweeping project	\$49.32	\$49.32	\$48.90	\$48.90
<i>Indian Wells</i>	Regional PM 10 Street Sweeping Program	\$65.83	\$65.83	\$65.78	\$65.78
<i>Indio</i>	Regional PM10 Street Sweeping Program	\$68.10	\$68.10	\$68.06	\$68.06
<i>Jurupa Valley</i>	Contract Street Sweeping	\$26.85	\$26.85	\$26.61	\$26.61
<i>La Quinta</i>	Regional PM10 Street Sweeping Program	\$68.42	\$68.42	\$68.37	\$68.37
<i>Loma Linda</i>	City Street Sweeping Program	\$36.96	\$36.96	\$36.95	\$36.95
<i>Moreno Valley</i>	Street Sweeping Program	\$104.93	\$104.93	\$104.12	\$104.12
<i>Norwalk</i>	Cleaner Street Sweeping Contract	\$6.69	\$52.70	\$6.68	\$52.65
<i>Palm Desert</i>	Regional PM10 Street Sweeping Program	\$67.91	\$67.91	\$67.86	\$67.86
<i>Palm Springs</i>	Regional PM10 Street Sweeping Program	\$68.10	\$68.10	\$68.05	\$68.05
<i>Rancho Mirage</i>	Regional PM10 Street Sweeping Program	\$68.47	\$68.47	\$68.42	\$68.42
<i>Walnut</i>	Street Sweeping with CNG Sweeper	\$55.78	\$55.78	\$55.35	\$55.35

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
(11) Miscellaneous Projects					
<i>Chino</i>	Vehicle Emission Credits Purchased	\$21.51	\$21.51	\$12.09	\$12.09
<i>Costa Mesa</i>	Rule 2202 Implementation - Purchase	\$21.30	\$21.30	\$11.96	\$11.96
<i>County of Riverside</i>	Purchase of Mobile Source Emission	\$14.37	\$14.37	\$14.37	\$14.37
<i>Fullerton</i>	Rule 2202 Emission Credits	\$27.50	\$27.50	\$15.45	\$15.45
<i>Irvine</i>	Purchase Rule 2202 Emission Credits	\$18.34	\$18.34	\$10.30	\$10.30
<i>Long Beach</i>	Rule 2202 Emissions Credit Purchase	\$38.53	\$38.53	\$17.07	\$17.07
<i>Los Alamitos</i>	Reduce Traffic to/from City Hall by	\$123.58	\$914.75	\$65.72	\$486.48
<i>Pomona</i>	Purchase of Emission Credits	\$24.14	\$24.14	\$13.55	\$13.55
<i>Riverside (City)</i>	AQMD Rule 2202 Compliance - Purchase	\$18.36	\$18.36	\$10.31	\$10.31
<i>Riverside (City)</i>	ProjectDox	\$187.19	\$187.19	\$118.88	\$118.88
<i>West Covina</i>	Air Quality Investment Program (AQIP)	\$39.73	\$39.73	\$22.31	\$22.31
<i>Whittier</i>	Rule 2202 Compliance - Emission Credits	\$20.25	\$20.25	\$11.39	\$11.39

*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 2015 - 2016

Motor Vehicle Fees	\$14,096,046
Air Funds (MV Fees+ MSRC + Moyer)	\$14,376,835
Amortized Air Funds	\$9,163,137
Emission Reductions (lbs per year) (ROG + NOx + PM2.5 + CO/7)	12,380,133
Average Cost-Effectiveness (dollars per lb)	\$0.74

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.