

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
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Staff Report:

**Annual Report on AB 2766 Funds from Motor Vehicle Registration Fees
for FY 2011-12**

October 4, 2013

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Other Information Available on SCAQMD's Website or Upon Request

AB 2766 Motor Vehicle Fee Subvention Fund Program Resource Guide
CARB Criteria and Guidelines for the Use of Motor Vehicle Registration Fees
CARB Motor Vehicle Registration Fees Automated Report
AB 2766 Funds Report from Motor Vehicle Registration Fees – Past Reports

I. BACKGROUND

On-road motor vehicles, including cars, trucks and buses make up the most significant sources of air pollution in the South Coast Air Basin (SCAB). Vehicle emissions from exhaust contribute to unhealthful levels of ozone and toxic air contaminants such as benzene and particulate matter. To protect public health, Assembly Bill 2766 was signed into law in September 1990. Section 44223 of the 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 retirement and repair programs.

From the first \$4 of the funds, AB 2766 requires that fees collected by the Department of Motor Vehicles 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 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 addresses solely the local government subvention portion of AB 2766 monies by accounting for projects, financial expenditures, emissions reduced and cost-effectiveness of projects implemented through the AB 2766 Subvention Fund Program during FY 2011-12.

AB 2766 fees are collected by the Department of Motor Vehicles and subvended to the SCAQMD on a monthly basis. The SCAQMD Finance Division disburses the AB 2766 revenues to local governments quarterly. During FY 2011-12, the total number of local governments eligible to receive AB 2766 funds (Motor Vehicle Fees) was 162 (see Attachment A). Project implementation and reporting began during the FY 2011-12 reporting cycle for two new Riverside County AB 2766 recipients, Jurupa Valley and Eastvale. Pursuant to H&S Code 44243 (b)(1), newly incorporated cities may receive subvention funds, provided they adopt and transmit to the SCAQMD the specified ordinance within 90 days of official incorporation.

Cities and counties 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 year. Staff then reviews the data, which include project descriptions, funds expended, administrative costs, fund balances, emission reductions achieved and cost effectiveness. Local jurisdictions are encouraged to pre-designate (earmark) funds budgeted for specific projects that

may be implemented in the future. A summary of the information (see Attachment B) is forwarded to the California Air Resources Board (CARB) upon consent of the SCAQMD Governing Board.

Although SCAQMD staff reviews and evaluates the AB 2766 reports submitted, SCAQMD does not have the authority to “approve” or “disapprove” a local government’s use of AB 2766 funds for specific projects. Rather, staff is authorized to provide technical assistance and guidance according to AB 2766 criteria and guidelines established by CARB and “accept” the AB 2766 Annual Report submitted by each AB 2766 fund recipient.

III. PROGRAM GUIDANCE

Purpose

As directed by the Governing Board in 1998, the SCAQMD’s AB 2766 staff continues to serve as a resource to cities and counties by providing technical guidance for project development and implementation. SCAQMD places special emphasis on the selection of cost-effective, quantifiable mobile source emission reduction Subvention Fund projects that meet the needs of the local jurisdiction. SCAQMD staff assists local jurisdictions with emission reduction calculations and advises them in the preparation of their annual reports.

To provide guidance in identifying projects that are eligible for AB 2766 funding, an AB 2766 Subvention Fund Program Resource Guide was developed and was recently updated, providing program clarifications, policies and guidance and is available to local jurisdictions that receive AB 2766 funds. Project descriptions and examples outlined in the Resource Guide are consistent with CARB’s Criteria and Guidelines for the Use of Motor Vehicle Registration Fees, which focus on strategies that directly reduce mobile source emissions.

Activities

The AB 2766 staff continues to provide recommendations to CARB staff on ways to improve the automated software for local government staff to report their annually funded projects. SCAQMD staff conducted, as in prior years, technical training sessions for local government representatives and Council of Government (COG) staff to familiarize them with the updated electronic program, respond to inquiries related to the annual reporting software and to solicit feedback on its usefulness. Several AB 2766 technical training sessions were conducted by SCAQMD staff during the month of January 2013, to which 97 local government representatives attended. Those training sessions included detailed instructions on the OnBase AB 2766 Annual Report submittal process. This submittal process, with customized logins, automatically notifies the transmitting entity, via email, of the status of the annual program report transmission, review and acceptance. In addition to the direct uploading of annual reports, the OnBase system allows local jurisdictions an opportunity to monitor the status of the SCAQMD review process. The OnBase system also has a feature which provides local governments access to previously submitted/accepted historical AB 2766 annual reports and other program information at their convenience. Therefore, it should be noted that overall, implementation of the OnBase system, over the last two reporting cycles, has resulted in enhanced AB 2766 program efficiency, time savings as well as record retention and accessibility for SCAQMD staff and participating local jurisdictions.

SCAQMD staff provided technical assistance which consisted of meetings with local government staff to address program challenges unique to specific cities/counties, assisted with emissions calculations and provided hands-on instructions in the use of the automated reporting system. Staff will continue to offer enhanced AB 2766 outreach to local council members and boards of supervisors, city mayors, city managers and other decision making local government staff in order to educate and encourage implementation of quantifiable, SIP credible, more cost-effective projects that yield direct mobile source emission reductions.

SCAQMD staff has reviewed and evaluated the FY 2011-2012 annual program reports submitted by the 162 participating local jurisdictions. The results are summarized in the Program Data section of this staff report.

Local Government Coordination

Several local governments give a portion of their AB 2766 subvention funds to their respective Councils of Governments (COGs) in order to pool their resources to implement projects that reduce air pollution from motor vehicles. COGs must adhere to the same project eligibility requirements and guidelines as all local jurisdictions receiving AB 2766 funds when implementing air quality projects funded by the AB 2766 Program. Table 1 provides a summary of the projects and programs implemented, including a description of the activities conducted by COGs receiving AB 2766 funds from their member cities and is provided for informational purposes only. To monitor and track the cost effectiveness of subvention funds given by local governments to COGs, local governments have been asked to provide information on the use of the AB 2766 funds that they give to their COGs for mobile source emission reduction projects. COGs provide summary reports to their member cities and the SCAQMD identifying the funding amount and description of AB 2766 funded projects.

Table 1
Summary of COG Activities

COG Name	Expenditure Amount*	Project Description**
Coachella Valley	\$334,192	Regional PM ₁₀ Street Sweeping Program which uses alternative fuel equipment to sweep approximately 21,829 curb miles of regional arterials in the Coachella Valley.
San Gabriel Valley	\$24,900	Coordinated Congestion Pricing, Traffic Synchronization and Low Emission Fleet Vehicle workshops; ongoing corridor and rail extension planning activities.
Western Riverside	\$103,900	Ongoing Clean Cities Coalition outreach.
Gateway Cities	\$207,604	I-710 Corridor EIR/EIS; SR-91/I-605/I-405 Major Corridor Study; Air Quality Action Plan for Gateway Cities region and ITS initiative for freeway traffic flow improvements.

*Expenditure amounts as reported by COG member cities.

**Project descriptions as reported by the COG.

IV. PROGRAM DATA

Project Categories

Local governments are required, in accordance with AB 2766 legislation, to use the subvented funding dollars they receive to implement projects that reduce motor vehicle emissions. The AB 2766 Resource Guide summarizes CARB's fund usage criteria and identifies appropriate strategies that, through careful planning and design, will most cost effectively and efficiently reduce emissions from mobile sources. The following is the list of AB 2766 Project Categories (11) and examples of projects that meet the criteria and guidelines established by CARB for AB 2766 fund expenditures:

1. **Alternative Fuels/Electric Vehicles** - Promoting and encouraging the use of alternative fuels by purchasing or leasing vehicles powered by compressed natural gas, propane, full non-diesel hybrids that meet the specific CARB certification standards, fuel cell and electric vehicles; conversion or re-powering conventionally fueled vehicles to alternative fueled engines. Installation of alternative fuel infrastructure to support the use of alternative fueled vehicles and purchasing of the alternative fuel for up to three years after vehicle purchase; cost differential thereafter.
2. **Vehicle Emissions Abatement** - Use of cleaner diesel engines and ensuring that vehicles are properly tuned and maintained; retirement and replacement of dirty off-road engines with newer, cleaner diesel engines or installation of particulate trap retrofits for diesel engines. Participation in a certified Old Vehicle Scrapping Program.
3. **Land Use** - Implementation of Land Use strategies that make it easier for pedestrians to walk, bicycle or use public transit, thus reducing automobile trips and emissions; planning, designing and constructing/installing facilities that discourage and decrease the use of automobiles.
4. **Public Transportation** – Implementing projects that reduce single occupancy vehicle trips; new or extended transit service, providing fare subsidies, implementation of rail feeder operations and adequate marketing; purchase or lease of alternative fueled vans, buses or shuttles for shuttle service. Construction/installation and/or enhancement of public transportation facilities and providing supporting transit information. Support of public transit alternative fuel usage by developing, designing, coordinating and constructing alternative fuel infrastructure.
5. **Traffic Management and Signal Coordination** – Installation of corridor signal synchronization systems; design and installation of pedestrian islands, turning lanes, pedestrian traffic controls and/or changeable message signs. Mobilization of freeway tow truck services.
6. **Transportation Demand Management (TDM)** – Implementing projects that reduce single occupancy vehicle trips by encouraging carpooling, vanpooling, biking, walking, use of public transit, telecommuting, or implementation of compressed work week schedules. Developing programs that focus on reducing trips to special event centers or other attractions; creation and support of Park and Ride facilities.
7. **Market Based Strategies** – Developing and implementing 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** – Designing, developing and/or installing bikeways or establishing new bicycle corridors; making bicycle facility enhancements/improvements by installing bicycle

lockers, bus bike racks; providing assistance with bike loan programs (motorized and standard) for police officers, community members and the general public.

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 roads, shoulders and purchasing SCAQMD Rule 1186.1 compliant street sweepers.
10. **Public Education** – Sponsoring ongoing air quality outreach campaigns that educate the public about options that reduce single occupancy vehicle trips when launching new programs such as shuttle services, transit station openings, HOV/HOT facility openings, and providing information on rideshare incentive programs. Dissemination of updated printed material; developing and conducting group specific presentations; participation in or sponsorship of workshops, forums and conferences.
11. **Miscellaneous Projects** – Implementing projects that reduce mobile source emissions, but are not specifically listed or identified in the AB 2766 Program guidelines. Details on project description, emission reductions achieved, calculations/analysis on the reductions in vehicle miles travelled (VMT) and cost-effectiveness data must be provided for adequate project evaluation.

NOTE: *Research and Development projects are allowable AB 2766 expenditures, however, the expenditure(s) must not exceed 10% of the AB 2766 funds received for the reporting cycle.*

Project Funding & Quantification

A financial summary of how local governments in the four counties used their AB 2766 subvention funds during FY 2011-12 is provided in Table 2. Local governments spent less of the subvention funds, \$19 million, on mobile source emission reduction projects than they received, \$20.7 million, from motor vehicle fees. They spent 33% of their combined beginning balance and motor vehicle (MV) fees received, which is a slight increase to what occurred in FY 2010-11 when cities and counties spent 32% (\$17.6 million) of the total beginning balances and MV fees received.

Table 2 also shows that of the \$39.2 million ending balance that the local governments reported, approximately \$28.2 million or 72% of the ending balance was pre-designated (earmarked) for future projects. This is a decrease to what occurred in FY 2010-11, when 75% of the ending balance was pre-designated for future projects. Local governments have the ability to carryover pre-designated fund balances indefinitely, which provides the flexibility of saving for future large projects or to secure additional co-funding.

Table 2

FY 2011-12 Motor Vehicle 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	\$17,366,828	\$12,138,684	\$10,864,199	\$18,656,895	\$12,214,109	\$6,442,786
Orange	\$9,527,953	\$3,827,907	\$3,284,543	\$10,087,008	\$6,673,027	\$3,413,981
Riverside	\$5,222,689	\$2,790,460	\$2,935,577	\$5,073,274	\$4,707,893	\$365,381
San Bernardino	\$5,312,683	\$1,960,137	\$1,904,468	\$5,371,060	\$4,559,061	\$811,999
Totals*	\$37,430,153	\$20,717,189	\$18,988,787	\$39,188,237	\$28,154,090	\$11,034,147

*Totals may vary slightly due to rounding.

Table 3 shows the historical funding, project expenditure levels and funds pre-designated by local governments over the last seven fiscal years. Motor Vehicle funding subvented to local governments has increased this reporting cycle and local jurisdictions have spent more of their AB 2766 funds on eligible AB 2766 projects.

¹ The ending balance represents the beginning balance and MV Fees received, minus project spending. Interest earned and administrative costs are reflected, but not shown. Interest earned and Administrative costs are fully detailed in Appendix B.

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
2005-06	\$28,382,547	\$19,569,231	\$19,873,515	\$28,659,691	\$18,701,317	\$9,376,946
2006-07	\$31,800,719	\$20,307,032	\$20,112,062	\$33,232,203	\$23,051,795	\$8,943,894
2007-08	\$32,956,998	\$19,932,651	\$17,872,604	\$36,219,271	\$27,374,058	\$8,845,213
2008-09	\$36,049,695	\$19,217,553	\$19,880,762	\$36,261,851	\$31,740,900	\$4,520,951
2009-10	\$39,839,058	\$20,309,567	\$22,699,441	\$37,723,700	\$30,464,877	\$7,258,823
2010-11	\$36,393,268	\$18,896,623	\$17,597,011	\$37,774,893	\$28,477,255	\$9,297,638
2011-12	\$37,430,153	\$20,717,189	\$18,988,787	\$39,188,237	\$28,154,090	\$11,034,147

Table 4 identifies, by county, the number of projects funded by local governments and of those, the number and percentages of quantified emission reductions achieved during FY 2011-12. Los Angeles County has the majority of the cities in the South Coast Air Basin and therefore has funded the largest number of AB 2766 projects in the program (148). Orange County had the second highest number of projects funded (78), followed by Riverside County (50) and San Bernardino (42). Relative to quantified emission reductions, San Bernardino County yielded the highest percentage (81%) of quantified projects this reporting cycle.

Table 4
FY 2011-12 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	148	87	59%
Orange	35	78	43	55%
Riverside	28	50	30	60%
San Bernardino	17	42	34	81%
Totals	162	318	194	61%

Table 5 shows overall, that the total number of projects funded by local governments over the last five fiscal reporting cycles have resulted in project quantifications above 50% and continues to improve, reporting 61% for FY 2011-12. The percentage of expenditures quantified was 73% during the last reporting cycle, and increased to 74% for this reporting cycle. It should be noted that the number of quantified projects increased during this reporting cycle, from 187 to 194 and the percentage of quantified projects increased from 58% to 61%. CARB has provided methodologies for emission reduction quantifications with corresponding emission factors for some of the most widely implemented transportation related air quality projects. The annual emission reductions as well as the cost-effectiveness of the projects are estimated. Emission reductions from several of these projects are difficult to quantify or cannot be quantified, such as the purchasing of alternative fuel, electric vehicle infrastructure projects, public education and outreach programs, as well as projects that include research and development.

Table 5
Project Quantification History

Year	Number of Projects	Projects with Emission Reductions Quantified	Percent of Projects Quantified	Percent of Expenditures Quantified
FY 2007-08	340	175	51%	74%
FY 2008-09	356	191	54%	65%
FY 2009-10	392	198	51%	65%
FY 2010-11	324	187	58%	73%
FY 2011-12	318	194	61%	74%

The data in Table 6 shows the FY 2011-12 expenditures made in ten of the eleven AB 2766 project categories. There were no projects implemented in the Market Based Strategies project category for this reporting cycle. Table 6 shows expenditures beginning with the project category having the highest expenditures and ending with the project category that had the least amount of local government spending. The three project categories that continue to reflect the highest spending percentages are Transportation Demand Management (TDM) (30%), Alternative Fuels/Electric Vehicles (28%) and Traffic Management (12%). Projects funded in these three categories comprised 70% of the \$19 million expended on projects during FY 2011-12, or about \$13.2 million.

Staff would like to highlight the fact that the two highest spending categories are the Transportation Demand Management (TDM) and Alternative Fuels/Electric Vehicles categories and that they represent 58% or about \$11 of the \$19 million program expenditures. Much of these funds were spent towards SCAQMD rule compliance related activities, such as implementation of employee rideshare programs and compliance with SCAQMD Clean Fleet Rules.

Table 6
Expenditures by Project Category

Project Category	Project Spending*	Percent of Spending*	# of Projects
Transportation Demand Management	\$5,771,404	30%	82
Alternative Fuels/Electric Vehicles	\$5,239,686	28%	63
Traffic Management	\$2,233,781	12%	29
Public Transportation	\$1,993,982	11%	50
Land Use	\$1,201,435	6%	25
Bicycles	\$963,714	5%	23
PM Reduction Strategies	\$751,078	4%	15
Miscellaneous Projects	\$318,453	2%	19
Public Education	\$273,308	1%	5
Vehicle Emission Abatement	\$241,946	1%	7
Totals*	\$18,988,787	100%	318

*Numbers may vary slightly due to rounding.

Emission Reductions & Cost Effectiveness

Table 7 summarizes, by county, the number of projects funded, project spending and the amount of emission reductions achieved. Local governments in Los Angeles County reported the vast majority of project spending, \$11 million (57%) and also represented the majority of annual emission reductions, 5,412 tons (95%) for the year. During the FY 2011-12, a total of 5,714 tons of emissions were reduced by projects funded with AB 2766 Subvention Funds.

Table 7
FY 2011-12 AB 2766 Project Spending and Emissions Reduced

County	Number of Projects Funded	Project Spending	Emissions Reduced² (Tons/Year)
Los Angeles	148	\$10,864,199	5,412
Orange	78	\$3,284,543	140
Riverside	50	\$2,935,577	63
San Bernardino	42	\$1,904,468	99
Totals*	318	\$18,988,787	5,714

*Numbers may vary slightly due to rounding.

² Emissions reduced account for total reductions (VOC, NOx, PM₁₀ and CO/7) from Air Fund expenditures. Air Funds consist of the MV Fees and funding both from the state Carl Moyer Program and the AB 2766 Discretionary fund. See Attachment B: Average Cost Effectiveness by Project.

The 5,714 tons of emission reductions represent a slight decrease to what occurred during the reporting cycle of 2010-11 (see Figure 2). This decrease may be attributed to the decline in emission reductions reported in the Traffic Management project category which dropped from 5,550 tons per year to 5,218 tons per year in this reporting cycle.

Table 8 provides emission reduction and cost-effectiveness information within the AB 2766 project categories. In this reporting cycle, the Traffic Management category represented the bulk of the emissions reduced for FY 2011-12. This project category, which includes Traffic Calming and Traffic Signal Synchronization Projects, accounts for 5,218 tons of emissions reduced, or about 91% of the 5,714 tons per year of total emissions reduced from all AB 2766 project categories. However, only 12% (see Table 6) of the total funding was spent within this category. The cost effectiveness of this category was greatly skewed by one project, which claimed 5,077 tons of emissions reduced. The TDM category claimed 338 tons of emission reductions, accounting for approximately 6% of the total emissions reduced.

As a result of the AB 2766 Staff's continued efforts throughout the reporting year to maintain ongoing and increased technical support and program outreach, jurisdictions are continuing to implement more cost-effective, quantifiable emission reduction projects. Local governments are being encouraged to seek and to create opportunities to coordinate with neighboring cities, jurisdictions and COGs to implement projects that will result in shared, mutual emission reduction benefits, while potentially sharing costs and resources. AB 2766 staff provides local governments with information on potential local, state and federal funding opportunities as they become available. Pre-designating funds for projects that are planned for future implementation or that are in need of funding assistance has helped program administrators to better understand the importance of advanced financial planning and has encouraged them to research other sources and ways of obtaining and securing 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 ranges, as shown in Table 8, from \$0.14 - \$49.29 per pound of emissions reduced in FY 2011-12 reporting cycle. The overall total average cost-effectiveness was computed as \$0.80 per pound of emissions reduced. However, there is one project within the Traffic Management project category that continues to have a significant effect on the program's overall cost-effectiveness. If that project had been excluded from the total number of projects implemented, the average cost-effectiveness would have been \$6.09 per pound of emissions reduced instead of \$0.80 per pound. Taking that into consideration, the cost effectiveness continues to remain below the \$10 per pound cost-effectiveness threshold established by CARB. Various factors, such as funding amounts, project design, and trip and vehicle miles traveled reductions all help to determine how cost-effective one project is compared to another and determines the final project category cost effectiveness as shown in Table 8.

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	29	17	59%	10,436,654	5,218	\$0.14
Transportation Demand Management	82	71	87%	675,660	338	\$7.71
Public Transportation	50	38	76%	207,208	104	\$5.99
PM Reduction Strategies	15	13	87%	93,001	47	\$6.27
Alternative Fuels/ Electric Vehicles	63	39	62%	11,476	5	\$49.29
Vehicle Emissions Abatement	7	2	29%	2,925	1	\$2.60
Bicycles	23	14	61%	1,732	1	\$41.70
Public Education	5	-	0%	-	-	-
Land Use	25	-	0%	-	-	-
Miscellaneous Projects	19	-	0%	-	-	-
TOTALS*	318	194	61%	11,428,656	5,714	\$0.80⁶

*Totals may vary slightly due to rounding.

Motor Vehicle funding subvented to local governments has increased this fiscal reporting cycle. Figure 1 shows the historical funding and total project expenditure levels by local governments for the last seven fiscal reporting cycles. The project expenditures are expressed in both total project expenditures and quantifiable project expenditures. The quantifiable project expenditures represent 74% (\$14 million) of the total project expenditures (\$19 million) for FY 2011-12.

3 Emissions reduced account for total reductions (VOC, NOx, PM₁₀ and CO/7) from the state Carl Moyer Program and the AB 2766 Discretionary fund. See Attachment B: Average Cost-Effectiveness by Project.

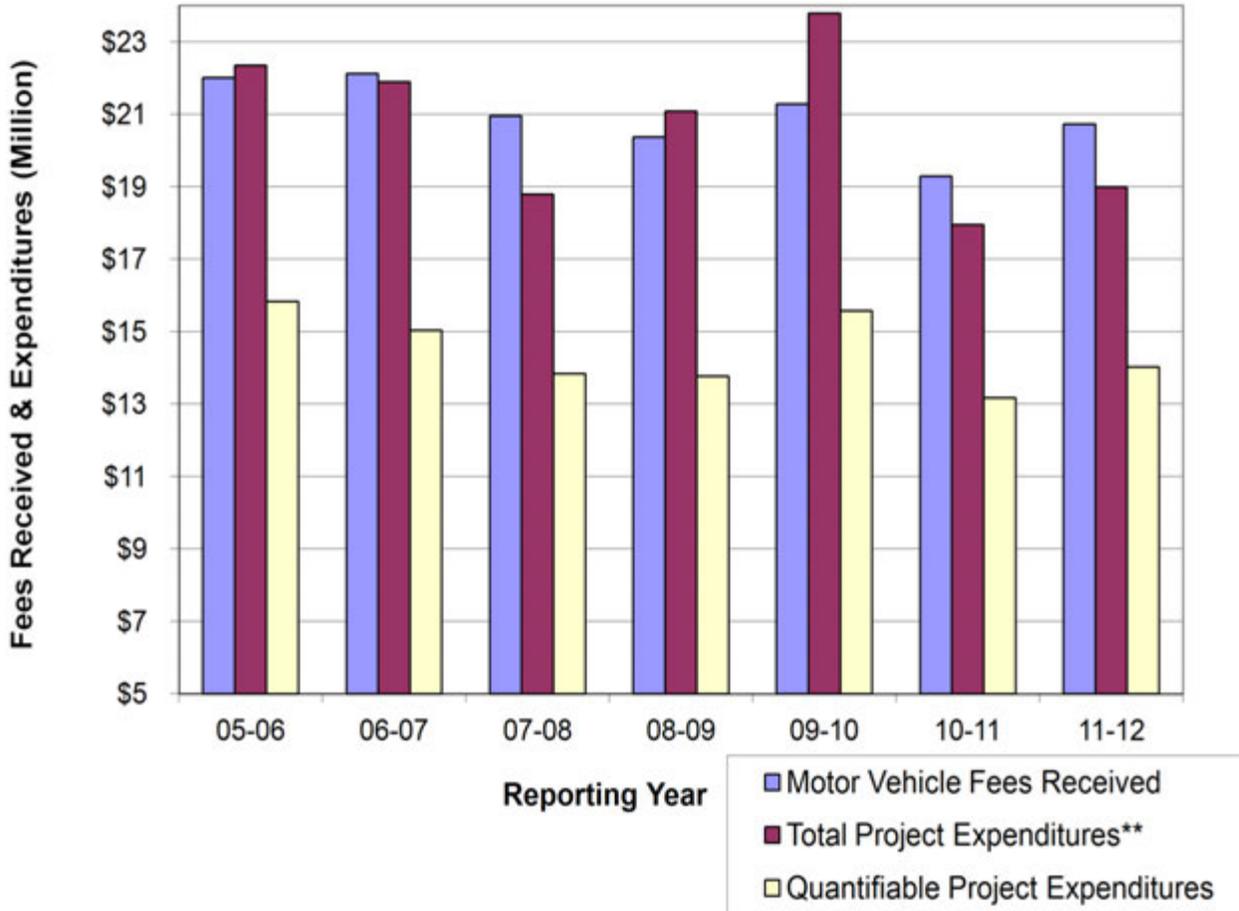
4 Emissions reduced (tons/year) is determined by dividing by 2,000 lbs/ton. Totals may vary slightly due to rounding.

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

6 The overall cost-effectiveness would be \$6.09 with the exclusion of one outlying project which skewed the cost-effectiveness down to \$0.80.

Figure 1

History of Motor Vehicle Fees Received and Expenditures*



*In current dollars.

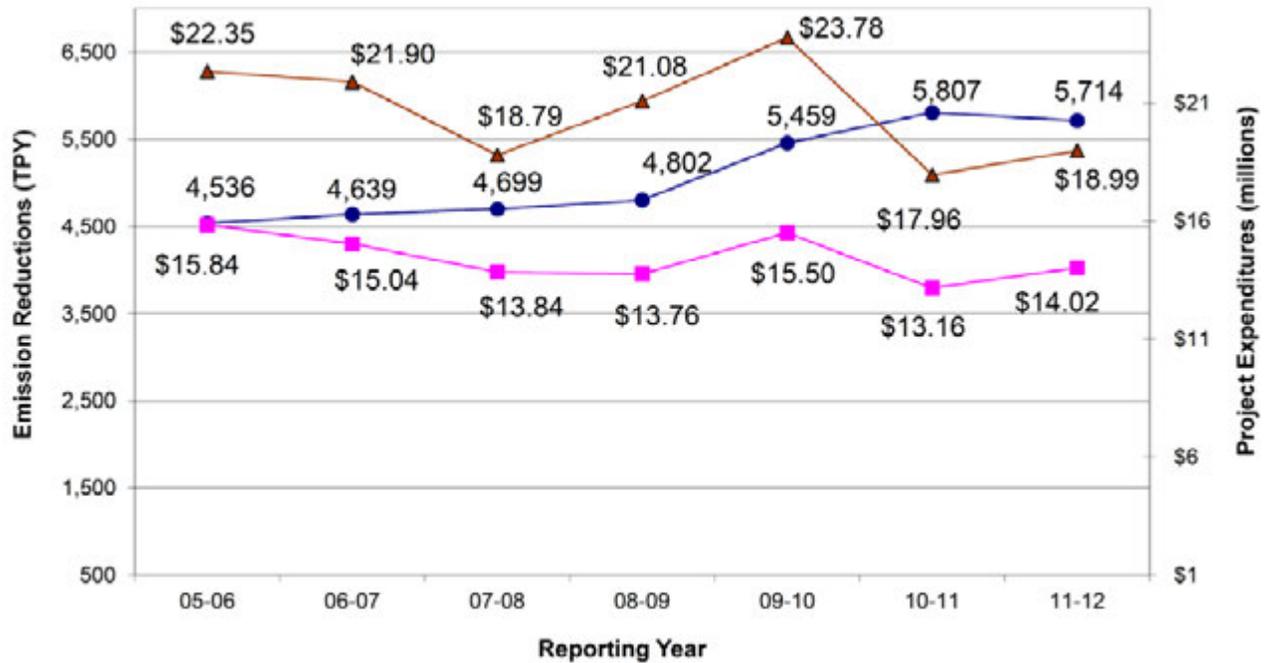
**In most instances, Total Project Expenditures are slightly more than Motor Vehicle Fees Received due to funds available from carryover balances.

In Figure 2, emission reductions as well as both total and quantifiable expenditures adjusted for inflation are shown. During the FY 2011-12 AB 2766 reporting cycle, there is a decrease in the emission reductions achieved and reported by local governments, which can be attributed to the decrease in emissions from Traffic Management projects. However, it should be noted that there was an increase in the emission reductions achieved in the Transportation Demand Management (TDM) and Public Transportation categories.

Approximately 5,714 tons (VOC, NO_x, PM₁₀ and CO/7) or about 16 tons per day of pollution was eliminated during FY 2011-12 from \$19 million expended by local governments compared to 5,807 tons of quantifiable reductions achieved in FY 2010-11 from \$17.6 million expended.

Figure 2

Emission Reductions and Project Expenditures*



*Emissions calculated based on EMFAC 2007 V2.3. Expenditures are in current (2012) dollars.

**FY 11-12 adjusted to correct previously under-reported emission reductions achieved.

- ▲— Total Expenditures
- Emission Reductions
- Project Expenditures w/Quantifiable Reductions

The history of emission reductions and cost-effectiveness is shown in Table 9. This table reflects the total amount of emissions reduced annually from projects funded. The average cost-effectiveness of projects funded during FY 2011-12 was approximately \$.80 per pound of emissions reduced. It should be noted that the cost effectiveness calculation was performed in current (nominal) dollars. The cost-effectiveness numbers would have been lower in real dollars.

The average cost-effectiveness figure is determined by dividing the amortized Air Fund dollar amount (\$9.1 million) which is associated with quantified projects, by the total amount of emission reductions (11.4 million lbs./yr.). Table 9 illustrates the progress that has been made since FY 2005-06 in reducing emissions. Emissions calculations are based on the most recently approved emission factors for the reporting cycle. As vehicles become cleaner and emission factors decrease from year to year, it would take more cost-effective projects to maintain the same level of emission reductions. Accordingly, slight decreases in emission reductions in subsequent years should not necessarily be perceived as diminished accomplishments by the AB 2766 program.

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 2005-06	9,072,033	4,536	\$0.99	\$1,980
FY 2006-07	9,279,778	4,640	\$0.98	\$1,960
FY 2007-08	9,399,442	4,700	\$0.98	\$1,960
FY 2008-09	9,603,749	4,802	\$0.89	\$1,780
FY 2009-10	10,918,000	5,459	\$0.88	\$1,760
FY 2010-11	11,613,570	5,807	\$0.77	\$1,540
FY 2011-12	11,428,656	5,714	\$0.80	\$1,600

*In current dollars.

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

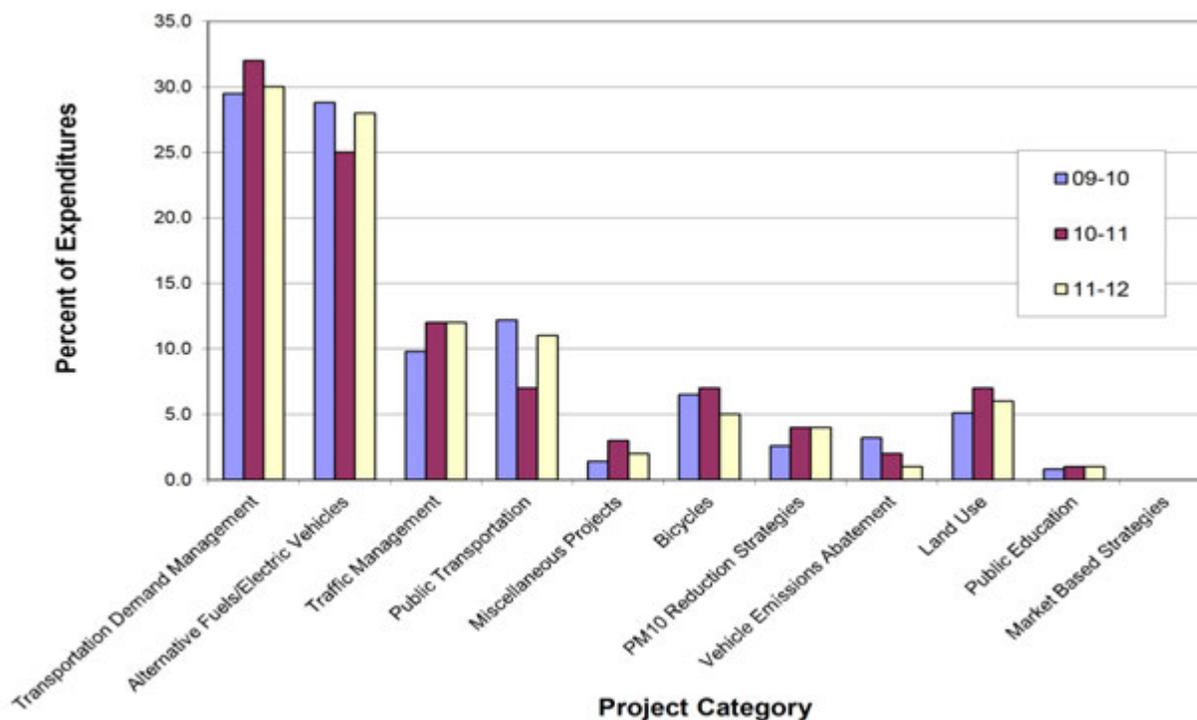
Table 10 shows the project subcategories with the highest Motor Vehicle Fee funding allocations within each project category. Each major category is comprised of subcategories for the purpose of emission reduction quantification. Historically, the three project subcategories with the highest expenditures are Employer Based Trip Reductions, Alternative Fuel Vehicle Purchases and Traffic Flow or Signalization. The total sum of expenditures in these three subcategories indicated that there was an increase in the percentage of funding dollars spent (70%), among the subcategories with the highest funding allocations compared to 69% reported in FY 2010-11, the previous annual reporting cycle. The combined total expenditures for the top three subcategories is approximately \$9.7 million. This amount represents more than half of the \$19 million MV Fees spent on mobile source projects during FY 2011-12.

Table 10
Project Subcategories with Highest Funding Allocations

Project Category (# of Projects)	Project Subcategory (# of Projects)	Project Subcategory Expenditures	Percent of Project Category Expenditures
Transportation Demand Management (82)	Employer-Based Trip Reduction (60)	\$4,425,663	73%
Alternative Fuels/Electric Vehicles (63)	Alternative Fuel Vehicle Purchases (32)	\$3,207,321	51%
Traffic Management (29)	Traffic Flow or Signalization (21)	\$2,073,424	72%
Bicycles (23)	Bicycle Lanes (10)	\$788,783	43%
Public Transportation (50)	Passenger Fare Subsidies (31)	\$1,077,206	62%
Land Use (25)	Plan Elements (8)	\$885,731	32%
PM Reduction Strategies (15)	Road Dust Control (15)	\$751,078	100%
Misc. Projects (19)	Misc. Projects (19)	\$318,453	100%
Vehicle Emissions Abatement (7)	On-road CARB verified Diesel Emission Control System (3)	\$117,097	43%
Public Education (5)	Short Term PE (promote transit, rideshare: conferences) (4)	\$263,308	80%

Figure 3 depicts a comparison by percentages of the expenditures made in all project categories during FYs 2009-10, 2010-11 and 2011-12. The Transportation Demand Management (TDM) project category showed a slight decrease from 32% to 30% of total Motor Vehicle Fee expenditures from FY 2010-11 to FY 2011-12 reporting cycle.

Figure 3
Project Expenditure Comparisons



Summary of Local Government Reports

The FY 2011-12 Subvention Fund local government reporting is summarized below:

- **Cost Effectiveness:**
The overall cost-effectiveness of projects quantified shows a slight decrease in the FY 2011-12 reporting cycle to \$0.80 from \$0.77 per pound as reported in FY 2010-11.
- **Emission Reductions:**
Emission reductions reported from all quantifiable projects implemented has shown a decrease from 5,807 tons reported in FY 2010-2011 to 5,714 tons of pollution eliminated for FY 2011-12.
- **Pre-designated (earmarked) Funds:**
The percentage of the ending balances pre-designated for future projects has remained consistent at 75% in both the FY 2010-11 and FY 2011-12 reporting cycles.
- **Project Quantification:**
The percentage of expenditures quantified remains relatively consistent with the last reporting cycle at 74%.

V. PROGRAM OUTREACH

Local Government Leadership

- SCAQMD Staff will encourage local government policy makers to provide leadership and establish partnerships in the program decision-making process.
- SCAQMD Staff will continue to educate and encourage cities to implement quantifiable SIP credible, 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 decision making local government staff.

Councils of Government

- SCAQMD Staff will continue to coordinate with COG Staff to ensure accurate reporting on the annual summaries submitted to SCAQMD of their project activities funded with AB 2766 funds received from member cities and counties. Emphasis will continue to be placed on the importance of ensuring that projects funded by the COG must adhere to the AB 2766 criteria.
- SCAQMD Staff will continue to encourage local governments to provide feedback to SCAQMD and to their respective COGs on various AB 2766 matters, including but not limited to the annual reporting process, subvention funds allocated towards COG sponsored projects, and the AB 2766 Resource Guide.

Local Government Staff

- SCAQMD Staff will encourage fund leveraging and pre-designation of funds for future project implementation.
- SCAQMD Staff will continue to maintain an outreach presence through meetings with local governments' AB 2766 Administrators 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) Explain and discuss the importance of pre-designating funds;
 - 5) Provide training on the automated reporting and submittal processes; and
 - 6) Respond to general questions about the AB 2766 Program.
- SCAQMD Staff will encourage all AB 2766 Administrators to attend the annual AB 2766 training sessions to learn about the current software submittal procedures and all other pertinent updates, changes and/or modifications to the AB 2766 Program.

ATTACHMENT A:
Eligible Cities and Counties (FY 2011-12)

Eligible Cities and Counties (FY 2011-12)

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

CITIES OF BRADBURY, INDUSTRY AND VERNON ARE NOT ELIGIBLE TO RECEIVE AB 2766 SUBVENTION FUNDS

ATTACHMENT B:
FY 2011-12 AB 2766 Subvention Fund Program Reports

South Coast Cities and Counties Financial Summary of Motor Vehicle Funds

Fiscal Year 2011--2012

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Ending Balance	Funds Pre-designated for Future Year
<i>Los Angeles Co</i>									
	Agoura Hills	\$42,361	\$25,585	\$361	\$68,307	\$16,506	\$1,200	\$50,601	\$50,000
	Alhambra	\$362,989	\$104,682	\$827	\$468,498	\$5,114	\$0	\$463,384	\$464,083
	Arcadia	\$298,691	\$70,926	\$2,560	\$372,177	\$127,289	\$0	\$244,888	\$200,000
	Artesia	\$51,569	\$79,851	\$266	\$131,686	\$28,282	\$0	\$103,404	\$0
	Azusa	\$164,923	\$58,203	\$1,717	\$224,843	\$20,552	\$2,350	\$201,941	\$164,923
	Baldwin Park	\$479,792	\$94,916	\$1,230	\$575,938	\$10,936	\$0	\$565,002	\$450,000
	Bell	\$123,744	\$33,613	\$187	\$157,544	\$2,600	\$0	\$154,944	\$0
	Bell Gardens	\$85,422	\$63,196	\$77	\$148,695	\$18,296	\$0	\$130,399	\$0
	Bellflower	\$68,811	\$96,378	\$1,022	\$166,211	\$7,630	\$0	\$158,581	\$158,581
	Beverly Hills	\$326,343	\$40,964	\$5,887	\$373,194	\$0	\$0	\$373,194	\$373,194
	Burbank	\$186,550	\$130,834	\$1,501	\$318,885	\$120,832	\$6,542	\$191,511	\$198,052
	Calabasas	\$118,994	\$21,854	\$2,788	\$143,637	\$36,107	\$0	\$107,529	\$107,529
	Carson	\$123,848	\$114,841	\$571	\$239,260	\$123,151	\$0	\$116,109	\$0
	Cerritos	\$293,568	\$59,354	\$2,973	\$355,895	\$41,905	\$2,968	\$311,022	\$304,979
	Claremont	\$123,251	\$43,972	\$48	\$167,271	\$60,193	\$0	\$107,078	\$105,000
	Commerce	\$0	\$16,130	\$0	\$16,130	\$16,130	\$0	\$0	\$0
	Compton	\$241,534	\$121,575	\$8	\$363,117	\$49,049	\$0	\$314,069	\$0
	County of LA	\$0	\$1,285,315	\$1,418	\$1,286,733	\$1,258,667	\$0	\$28,067	\$0
	Covina	\$270,465	\$60,122	\$1,380	\$331,967	\$19,563	\$3,006	\$309,397	\$309,398
	Cudahy	\$29,959	\$29,949	\$10	\$59,918	\$21,897	\$1,400	\$36,621	\$0
	Culver City	\$124,876	\$48,886	\$570	\$174,333	\$0	\$0	\$174,333	\$170,000
	Diamond Bar	\$161,040	\$69,956	\$1,187	\$232,183	\$67,316	\$0	\$164,867	\$160,000
	Downey	\$652,355	\$140,610	\$9,479	\$802,444	\$140,610	\$5,500	\$656,334	\$550,000
	Duarte	\$7,699	\$26,820	\$30	\$34,549	\$7,610	\$0	\$26,939	\$26,900
	El Monte	\$445,464	\$142,746	\$1,411	\$589,621	\$162,956	\$0	\$426,665	\$445,464
	El Segundo	\$44,811	\$19,777	(\$1,107)	\$63,481	\$0	\$0	\$63,481	\$0
	Gardena	\$139,972	\$104,019	\$766	\$244,757	\$112,852	\$5,200	\$126,705	\$144,851
	Glendale	\$214,000	\$241,447	\$3,000	\$458,447	\$241,447	\$0	\$217,000	\$70,000

County	Local Name	<i>Beginning Balance</i>	Motor Vehicle Fees Received	Interest	<i>Revenue</i>	Project Spending	Admin	<i>Ending Balance</i>	Funds Pre-designated for Future Year
<i>Los Angeles Co (cont'd)</i>									
	Glendora	\$291,162	\$63,045	\$1,278	\$355,484	\$151,760	\$3,152	\$200,572	\$215,000
	Hawaiian Gardens	\$182,483	\$147,213	\$527	\$330,223	\$17,933	\$0	\$312,290	\$150,000
	Hawthorne	\$198,667	\$106,441	\$320	\$305,428	\$103,840	\$840	\$200,748	\$0
	Hermosa Beach	\$85,648	\$24,529	\$1,044	\$111,221	\$390	\$0	\$110,831	\$0
	Hidden Hills	\$41,876	\$2,117	\$168	\$44,161	\$0	\$0	\$44,161	\$44,000
	Huntington Park	\$604,379	\$73,114	\$3,582	\$681,075	\$1,245	\$3,553	\$676,277	\$27,355
	Inglewood	\$276,771	\$138,025	\$2,176	\$416,972	\$0	\$0	\$416,972	\$250,000
	Irwindale	\$0	\$1,789	\$0	\$1,789	\$0	\$0	\$1,789	\$0
	La Canada Flintridge	\$163,690	\$30,424	\$4,526	\$198,640	\$0	\$0	\$198,640	\$138,800
	La Habra Heights	\$19,041	\$5,046	\$55	\$24,142	\$0	\$250	\$23,892	\$0
	La Mirada	\$350,760	\$61,034	\$2,057	\$413,851	\$45,600	\$8	\$368,243	\$0
	La Puente	\$242,061	\$50,091	\$768	\$292,919	\$0	\$0	\$292,919	\$292,919
	La Verne	\$284,635	\$39,081	\$2,237	\$325,953	\$9,268	\$264	\$316,421	\$150,000
	Lakewood	\$191,510	\$190,008	\$1,502	\$383,020	\$121,619	\$4,346	\$257,055	\$167,721
	Lawndale	\$69,511	\$41,217	\$226	\$110,954	\$0	\$0	\$110,954	\$104,000
	Lomita	\$65,946	\$22,666	\$188	\$88,800	\$15,000	\$721	\$73,080	\$28,000
	Long Beach	\$1,962,610	\$555,018	\$6,316	\$2,523,944	\$122,518	\$2,218	\$2,399,209	\$1,800,000
	Los Angeles (City)	\$1,849,504	\$4,779,512	\$73,322	\$6,702,338	\$5,752,788	\$68,608	\$880,942	\$445,000
	Lynwood	\$70,396	\$70,380	\$16	\$140,792	\$0	\$3,000	\$137,792	\$100,000
	Malibu	\$58,730	\$15,911	\$306	\$74,947	\$10,044	\$0	\$64,903	\$58,730
	Manhattan Beach	\$357,588	\$44,214	\$3,971	\$405,773	\$9,318	\$1,068	\$395,387	\$100,000
	Maywood	\$7,494	\$34,474	\$0	\$41,968	\$0	\$0	\$41,968	\$0
	Monrovia	\$189,376	\$46,021	\$249	\$235,646	\$9,461	\$0	\$226,185	\$60,000
	Montebello	\$228,594	\$59,321	\$1,002	\$288,917	\$37,249	\$2,966	\$248,702	\$251,667
	Monterey Park	\$172,101	\$72,842	\$395	\$245,338	\$50,037	\$3,304	\$191,997	\$34,412
	Norwalk	\$310,855	\$132,720	\$1,652	\$445,227	\$180,586	\$0	\$264,641	\$142,491
	Palos Verdes Estates	\$95,210	\$16,909	\$700	\$112,819	\$0	\$0	\$112,819	\$112,819
	Paramount	\$165,767	\$68,055	\$484	\$234,306	\$77,798	\$188	\$156,320	\$123,700
	Pasadena	\$13,911	\$174,263	\$0	\$188,174	\$174,263	\$0	\$13,911	\$180,000
	Pico Rivera	\$2,631	\$79,179	\$84	\$81,894	\$0	\$3,700	\$78,194	\$29,177
	Pomona	\$861,727	\$187,224	\$1,735	\$1,050,686	\$101,193	\$7,489	\$942,004	\$740,000

County	Local Name	<i>Beginning Balance</i>	<i>Motor Vehicle Fees Received</i>	<i>Interest</i>	<i>Revenue</i>	<i>Project Spending</i>	<i>Admin</i>	<i>Ending Balance</i>	<i>Funds Pre-designated for Future Year</i>
<i>Los Angeles Co (cont'd)</i>									
	Rancho Palos Verdes	\$48,607	\$52,388	\$191	\$101,186	\$0	\$0	\$101,186	\$0
	Redondo Beach	\$168,375	\$84,000	\$2,255	\$254,630	\$61,316	\$0	\$193,314	\$0
	Rolling Hills Estates	\$20,110	\$10,151	\$47	\$30,308	\$6,685	\$0	\$23,623	\$30,010
	Rosemead	\$135,374	\$65,077	\$645	\$201,096	\$88,429	\$0	\$112,667	\$135,000
	San Dimas	\$161,733	\$40,192	\$207	\$202,132	\$15,672	\$2,010	\$184,450	\$100,000
	San Fernando	\$42,113	\$29,745	\$28	\$71,885	\$0	\$0	\$71,885	\$30,000
	San Gabriel	(\$2,747)	\$49,976	\$115	\$47,343	\$49,991	\$0	(\$2,648)	\$0
	San Marino	\$386	\$15,568	\$27	\$15,981	\$0	\$0	\$15,981	\$15,981
	Santa Clarita	\$50,298	\$214,858	\$350	\$265,506	\$216,302	\$6,406	\$42,798	\$3,229
	Santa Fe Springs	\$0	\$20,636	\$0	\$20,636	\$20,636	\$0	\$0	\$0
	Santa Monica	\$618,727	\$109,370	\$5,804	\$733,900	\$272,231	\$2,577	\$459,092	\$450,873
	Sierra Madre	\$46,375	\$29,266	\$85	\$75,726	\$0	\$0	\$75,726	\$60,000
	Signal Hill	\$78,329	\$10,460	\$1,278	\$90,067	\$2,488	\$0	\$87,579	\$0
	South El Monte	\$63,830	\$25,309	\$266	\$89,405	\$10,265	\$0	\$79,140	\$35,000
	South Gate	\$73,157	\$114,921	\$133	\$188,211	\$71,177	\$6,183	\$110,851	\$41,632
	South Pasadena	\$82,633	\$32,225	\$210	\$115,068	\$0	\$0	\$115,068	\$82,633
	Temple City	\$73,916	\$44,743	\$317	\$118,976	\$91,846	\$0	\$27,130	\$27,131
	Torrance	\$163,276	\$183,038	\$1,983	\$348,297	\$164,358	\$0	\$183,939	\$183,939
	Walnut	\$94,879	\$35,399	\$1,455	\$131,733	\$7,544	\$0	\$124,189	\$124,189
	West Covina	\$134,086	\$133,468	\$618	\$268,172	\$21,177	\$107	\$246,888	\$139,905
	West Hollywood	\$325,380	\$41,752	\$2,500	\$369,632	\$13,318	\$0	\$356,314	\$92,000
	Westlake Village	\$26,546	\$10,404	\$104	\$37,054	\$0	\$0	\$37,054	\$37,055
	Whittier	\$363,780	\$107,334	\$1,919	\$473,033	\$41,364	\$4,882	\$426,787	\$426,787
	County Total:	\$17,366,828	\$12,138,684	\$171,588	\$29,677,100	\$10,864,199	\$156,006	\$18,656,895	\$12,214,109
<i>Orange Co.</i>									
	Aliso Viejo	\$595,033	\$60,740	\$2,067	\$657,840	\$0	\$0	\$657,840	\$657,840
	Anaheim	\$3,331	\$427,764	\$173	\$431,267	\$364,579	\$13,210	\$53,479	\$50,000
	Brea	\$52,640	\$50,252	\$2,388	\$105,280	\$50,252	\$0	\$55,028	\$96,063
	Buena Park	\$145,612	\$101,435	\$3,907	\$250,954	\$0	\$0	\$250,954	\$250,954
	Costa Mesa	\$630,275	\$138,167	\$8,350	\$776,792	\$155,376	\$0	\$621,416	\$546,006

County	Local Name	<i>Beginning Balance</i>	<i>Motor Vehicle Fees Received</i>	<i>Interest</i>	<i>Revenue</i>	<i>Project Spending</i>	<i>Admin</i>	<i>Ending Balance</i>	<i>Funds Pre-designated for Future Year</i>
<i>Orange Co.</i>									
	County of Orange	\$504,752	\$142,174	\$6,096	\$653,022	\$35,000	\$3,487	\$614,535	\$85,000
	Cypress	\$219,399	\$60,000	\$838	\$280,237	\$85,000	\$0	\$195,237	\$219,399
	Dana Point	\$150,404	\$40,497	\$808	\$191,709	\$0	\$0	\$191,709	\$0
	Fountain Valley	\$273,066	\$69,522	\$2,896	\$345,484	\$150,877	\$1,098	\$193,509	\$100,000
	Fullerton	\$407,909	\$170,050	\$1,588	\$579,547	\$353,599	\$1,380	\$224,568	\$224,567
	Garden Grove	\$199,182	\$257,490	\$175	\$456,847	\$257,490	\$10,772	\$188,585	\$0
	Huntington Beach	\$703,330	\$238,812	\$5,642	\$947,784	\$305,830	\$0	\$641,954	\$697,430
	Irvine	\$699,853	\$274,863	\$8,957	\$983,673	\$190,592	\$7,360	\$785,721	\$785,721
	La Habra	\$59,043	\$75,803	\$1,139	\$135,985	\$75,803	\$0	\$60,182	\$0
	La Palma	\$22,183	\$19,563	\$99	\$41,844	\$0	\$0	\$41,844	\$0
	Laguna Beach	\$0	\$28,593	\$572	\$29,165	\$27,926	\$0	\$1,239	\$28,000
	Laguna Hills	\$0	\$38,150	\$69	\$38,219	\$38,219	\$0	\$0	\$0
	Laguna Niguel	\$296,113	\$79,314	\$3,662	\$379,089	\$83,676	\$0	\$295,413	\$295,413
	Laguna Woods	\$53,564	\$20,355	\$380	\$74,299	\$47,426	\$0	\$26,873	\$0
	Lake Forest	\$743,847	\$97,195	\$550	\$841,592	\$25,000	\$0	\$816,592	\$0
	Los Alamitos	\$66,900	\$14,393	\$133	\$81,426	\$0	\$0	\$81,426	\$81,426
	Mission Viejo	\$93,534	\$112,950	\$2,063	\$208,547	\$44,622	\$5,647	\$158,278	\$128,402
	Newport Beach	\$335,135	\$101,547	\$4,126	\$440,808	\$31,969	\$0	\$408,840	\$0
	Orange (City)	\$77,377	\$171,839	\$300	\$249,516	\$136,041	\$5,352	\$108,123	\$38,169
	Placentia	\$245,959	\$63,550	\$705	\$310,214	\$133,726	\$0	\$176,488	\$207,805
	Rancho Santa Margarita	\$247,985	\$60,142	\$1,691	\$309,818	\$52,906	\$0	\$256,912	\$256,822
	San Clemente	\$427,582	\$89,961	\$3,995	\$521,538	\$5,645	\$0	\$515,893	\$427,582
	San Juan Capistrano	\$315,444	\$46,527	\$1,390	\$363,362	\$139	\$0	\$363,223	\$363,222
	Santa Ana	\$546,756	\$409,810	\$2,468	\$959,034	\$311,700	\$13,089	\$634,245	\$527,500
	Seal Beach	\$29,455	\$29,045	\$410	\$58,910	\$32,228	\$0	\$26,682	\$44,190
	Stanton	\$129,177	\$36,198	\$1,183	\$166,558	\$62,870	\$127	\$103,561	\$0
	Tustin	\$90,632	\$95,047	\$756	\$186,435	\$2,802	\$0	\$183,633	\$172,685
	Villa Park	\$16,808	\$11,992	\$46	\$28,846	\$16,857	\$600	\$11,390	\$11,000
	Westminster	\$350,807	\$112,813	\$4,246	\$467,866	\$104,394	\$5,641	\$357,832	\$357,831
	Yorba Linda	\$794,866	\$81,354	\$9,585	\$885,805	\$102,000	\$0	\$783,805	\$20,000
	<i>County Total:</i>	\$9,527,953	\$3,827,907	\$83,453	\$13,439,314	\$3,284,543	\$67,763	\$10,087,008	\$6,673,027

County	Local Name	<i>Beginning Balance</i>	<i>Motor Vehicle Fees Received</i>	<i>Interest</i>	<i>Revenue</i>	<i>Project Spending</i>	<i>Admin</i>	<i>Ending Balance</i>	<i>Funds Pre-designated for Future Year</i>
<i>Riverside Co.</i>									
	Banning	\$137,891	\$37,429	\$426	\$175,746	\$3,000	\$0	\$172,746	\$172,746
	Beaumont	\$63,434	\$47,893	\$200	\$111,527	\$0	\$900	\$110,627	\$110,627
	Calimesa	\$7,931	\$9,959	\$36	\$17,926	\$750	\$498	\$16,678	\$16,678
	Canyon Lake	\$32,800	\$13,355	\$133	\$46,288	\$0	\$0	\$46,288	\$30,000
	Cathedral City	\$0	\$64,726	\$1,784	\$66,510	\$56,975	\$0	\$9,535	\$74,259
	Coachella	\$143,660	\$61,268	\$879	\$205,806	\$29,237	\$540	\$176,029	\$70,000
	Corona	\$291,550	\$199,051	\$4,994	\$495,595	\$167,848	\$1,133	\$326,614	\$325,250
	County of Riverside	\$686,813	\$507,196	\$3,120	\$1,197,129	\$716,805	\$23,162	\$457,162	\$686,813
	Desert Hot Springs	\$44,795	\$34,343	\$29	\$79,167	\$26,737	\$0	\$52,430	\$52,429
	Eastvale	\$0	\$67,940	\$26	\$67,966	\$0	\$0	\$67,966	\$50,000
	Hemet	\$248,669	\$99,835	\$2,044	\$350,549	\$168,820	\$4,000	\$177,729	\$177,729
	Indian Wells	\$0	\$6,284	\$21	\$6,305	\$4,887	\$0	\$1,418	\$5,000
	Indio	\$119,874	\$96,797	\$859	\$217,530	\$113,931	\$0	\$103,599	\$217,530
	Jurupa Valley	\$0	\$104,285	\$70	\$104,355	\$0	\$0	\$104,355	\$85,000
	La Quinta	\$78,758	\$47,471	\$161	\$126,390	\$28,482	\$0	\$97,908	\$78,758
	Lake Elsinore	\$177,804	\$68,819	\$2,971	\$249,594	\$29,463	\$3,500	\$216,631	\$150,000
	Menifee	\$213,743	\$99,615	\$961	\$314,319	\$0	\$0	\$314,319	\$79,000
	Moreno Valley	\$397,036	\$244,830	\$6,144	\$648,010	\$322,594	\$0	\$325,416	\$229,698
	Murrieta	\$499,078	\$131,010	\$5,419	\$635,507	\$172,450	\$5,011	\$458,046	\$448,435
	Norco	\$16,147	\$33,941	\$13	\$50,101	\$0	\$1,500	\$48,601	\$30,000
	Palm Desert	\$275,791	\$61,604	\$1,217	\$338,612	\$38,973	\$0	\$299,639	\$299,639
	Palm Springs	\$0	\$56,451	\$546	\$56,996	\$56,451	\$0	\$546	\$80,000
	Perris	\$244,307	\$87,486	\$1,738	\$333,531	\$92,121	\$0	\$241,410	\$241,410
	Rancho Mirage	\$139,697	\$21,902	\$3,231	\$164,830	\$13,141	\$0	\$151,689	\$151,689
	Riverside (City)	\$604,546	\$362,731	\$1,203	\$968,481	\$387,853	\$4,583	\$576,045	\$364,129
	San Jacinto	\$51,435	\$55,917	\$588	\$107,940	\$0	\$0	\$107,940	\$107,940
	Temecula	\$640,740	\$127,507	\$3,756	\$772,003	\$505,059	\$0	\$266,944	\$266,944
	Wildomar	\$106,190	\$40,815	\$0	\$147,005	\$0	\$2,041	\$144,964	\$106,190
	<i>County Total:</i>	\$5,222,689	\$2,790,460	\$42,568	\$8,055,718	\$2,935,577	\$46,867	\$5,073,274	\$4,707,893

County	Local Name	<i>Beginning Balance</i>	<i>Motor Vehicle Fees Received</i>	<i>Interest</i>	<i>Revenue</i>	<i>Project Spending</i>	<i>Admin</i>	<i>Ending Balance</i>	<i>Funds Pre-designated for Future Year</i>
<i>San Bernardino Co.</i>									
	Big Bear Lake	\$39,139	\$6,338	\$145	\$45,622	\$88	\$0	\$45,534	\$45,534
	Chino	\$508,280	\$98,519	\$9,640	\$616,440	\$381,583	\$0	\$234,857	\$50,000
	Chino Hills	\$534,845	\$94,510	\$2,866	\$632,221	\$59,879	\$202	\$572,140	\$559,900
	Colton	\$224,223	\$66,619	\$243	\$291,084	\$0	\$0	\$291,084	\$290,000
	County of San	\$156,448	\$205,068	\$3,416	\$364,932	\$172,070	\$10,253	\$182,608	\$182,608
	Fontana	\$496,642	\$248,893	\$1,741	\$747,276	\$207,736	\$12,400	\$527,140	\$428,629
	Grand Terrace	\$54,211	\$15,189	\$148	\$69,547	\$5,775	\$0	\$63,772	\$63,624
	Highland	\$427,698	\$26,481	\$904	\$455,083	\$31,660	\$0	\$423,423	\$137,000
	Loma Linda	\$55,169	\$29,342	\$181	\$84,692	\$16,980	\$1,467	\$66,245	\$26,300
	Montclair	\$82,240	\$46,446	\$92	\$128,778	\$25,858	\$0	\$102,920	\$30,000
	Ontario	\$984,032	\$207,464	\$13,508	\$1,205,004	\$123,629	\$10,373	\$1,071,002	\$984,032
	Rancho Cucamonga	\$637,046	\$279,694	\$8,701	\$925,441	\$278,330	\$1,500	\$645,611	\$315,000
	Redlands	\$503,147	\$86,840	\$5,927	\$595,914	\$15,000	\$46	\$580,868	\$540,000
	Rialto	\$98,313	\$125,452	\$635	\$224,400	\$127,610	\$5,650	\$91,140	\$156,705
	San Bernardino (City)	\$100,000	\$265,340	\$0	\$365,340	\$305,099	\$0	\$60,241	\$235,700
	Upland	\$8,315	\$93,077	\$29	\$101,421	\$60,738	\$4,654	\$36,029	\$36,029
	Yucaipa	\$402,935	\$64,866	\$1,078	\$468,879	\$92,434	\$0	\$376,445	\$478,000
	<i>County Total:</i>	\$5,312,683	\$1,960,137	\$49,253	\$7,322,073	\$1,904,468	\$46,545	\$5,371,060	\$4,559,061
	<i>GRAND TOTAL:</i>	\$37,430,153	\$20,717,189	\$346,862	\$58,494,204	\$18,988,787	\$317,181	\$39,188,237	\$28,154,090

Number of Local Governments: 162

Local Government Administrative Costs

Fiscal Year 2011-2012

Local Government	Administrative Costs	Motor Vehicle Revenues	Admin Costs as % of Revenues
Agoura Hills	\$1,200	\$25,585	5%
Alhambra	\$0	\$104,682	0%
Aliso Viejo	\$0	\$60,740	0%
Anaheim	\$13,210	\$427,764	3%
Arcadia	\$0	\$70,926	0%
Artesia	\$0	\$79,851	0%
Azusa	\$2,350	\$58,203	4%
Baldwin Park	\$0	\$94,916	0%
Banning	\$0	\$37,429	0%
Beaumont	\$900	\$47,893	2%
Bell	\$0	\$33,613	0%
Bell Gardens	\$0	\$63,196	0%
Bellflower	\$0	\$96,378	0%
Beverly Hills	\$0	\$40,964	0%
Big Bear Lake	\$0	\$6,338	0%
Brea	\$0	\$50,252	0%
Buena Park	\$0	\$101,435	0%
Burbank	\$6,542	\$130,834	5%
Calabasas	\$0	\$21,854	0%
Calimesa	\$498	\$9,959	5%
Canyon Lake	\$0	\$13,355	0%
Carson	\$0	\$114,841	0%
Cathedral City	\$0	\$64,726	0%
Cerritos	\$2,968	\$59,354	5%
Chino	\$0	\$98,519	0%
Chino Hills	\$202	\$94,510	0%
Claremont	\$0	\$43,972	0%
Coachella	\$540	\$61,268	1%
Colton	\$0	\$66,619	0%
Commerce	\$0	\$16,130	0%
Compton	\$0	\$121,575	0%
Corona	\$1,133	\$199,051	1%
Costa Mesa	\$0	\$138,167	0%
County of LA	\$0	\$1,285,315	0%
County of Orange	\$3,487	\$142,174	2%
County of Riverside	\$23,162	\$507,196	5%
County of San Bernardino	\$10,253	\$205,068	5%
Covina	\$3,006	\$60,122	5%
Cudahy	\$1,400	\$29,949	5%
Culver City	\$0	\$48,886	0%
Cypress	\$0	\$60,000	0%
Dana Point	\$0	\$40,497	0%
Desert Hot Springs	\$0	\$34,343	0%
Diamond Bar	\$0	\$69,956	0%
Downey	\$5,500	\$140,610	4%
Duarte	\$0	\$26,820	0%
Eastvale	\$0	\$67,940	0%
El Monte	\$0	\$142,746	0%
El Segundo	\$0	\$19,777	0%
Fontana	\$12,400	\$248,893	5%
Fountain Valley	\$1,098	\$69,522	2%
Fullerton	\$1,380	\$170,050	1%

Local Government	Administrative Costs	Motor Vehicle Revenues	Admin Costs as % of Revenues
Garden Grove	\$10,772	\$257,490	4%
Gardena	\$5,200	\$104,019	5%
Glendale	\$0	\$241,447	0%
Glendora	\$3,152	\$63,045	5%
Grand Terrace	\$0	\$15,189	0%
Hawaiian Gardens	\$0	\$147,213	0%
Hawthorne	\$840	\$106,441	1%
Hemet	\$4,000	\$99,835	4%
Hermosa Beach	\$0	\$24,529	0%
Hidden Hills	\$0	\$2,117	0%
Highland	\$0	\$26,481	0%
Huntington Beach	\$0	\$238,812	0%
Huntington Park	\$3,553	\$73,114	5%
Indian Wells	\$0	\$6,284	0%
Indio	\$0	\$96,797	0%
Inglewood	\$0	\$138,025	0%
Irvine	\$7,360	\$274,863	3%
Irwindale	\$0	\$1,789	0%
Jurupa Valley	\$0	\$104,285	0%
La Canada Flintridge	\$0	\$30,424	0%
La Habra	\$0	\$75,803	0%
La Habra Heights	\$250	\$5,046	5%
La Mirada	\$8	\$61,034	0%
La Palma	\$0	\$19,563	0%
La Puente	\$0	\$50,091	0%
La Quinta	\$0	\$47,471	0%
La Verne	\$264	\$39,081	1%
Laguna Beach	\$0	\$28,593	0%
Laguna Hills	\$0	\$38,150	0%
Laguna Niguel	\$0	\$79,314	0%
Laguna Woods	\$0	\$20,355	0%
Lake Elsinore	\$3,500	\$68,819	5%
Lake Forest	\$0	\$97,195	0%
Lakewood	\$4,346	\$190,008	2%
Lawndale	\$0	\$41,217	0%
Loma Linda	\$1,467	\$29,342	5%
Lomita	\$721	\$22,666	3%
Long Beach	\$2,218	\$555,018	0%
Los Alamitos	\$0	\$14,393	0%
Los Angeles (City)	\$68,608	\$4,779,512	1%
Lynwood	\$3,000	\$70,380	4%
Malibu	\$0	\$15,911	0%
Manhattan Beach	\$1,068	\$44,214	2%
Maywood	\$0	\$34,474	0%
Menifee	\$0	\$99,615	0%
Mission Viejo	\$5,647	\$112,950	5%
Monrovia	\$0	\$46,021	0%
Montclair	\$0	\$46,446	0%
Montebello	\$2,966	\$59,321	5%
Monterey Park	\$3,304	\$72,842	5%
Moreno Valley	\$0	\$244,830	0%
Murrieta	\$5,011	\$131,010	4%
Newport Beach	\$0	\$101,547	0%
Norco	\$1,500	\$33,941	4%
Norwalk	\$0	\$132,720	0%

Local Government	Administrative Costs	Motor Vehicle Revenues	Admin Costs as % of Revenues
Ontario	\$10,373	\$207,464	5%
Orange (City)	\$5,352	\$171,839	3%
Palm Desert	\$0	\$61,604	0%
Palm Springs	\$0	\$56,451	0%
Palos Verdes Estates	\$0	\$16,909	0%
Paramount	\$188	\$68,055	0%
Pasadena	\$0	\$174,263	0%
Perris	\$0	\$87,486	0%
Pico Rivera	\$3,700	\$79,179	5%
Placentia	\$0	\$63,550	0%
Pomona	\$7,489	\$187,224	4%
Rancho Cucamonga	\$1,500	\$279,694	1%
Rancho Mirage	\$0	\$21,902	0%
Rancho Palos Verdes	\$0	\$52,388	0%
Rancho Santa Margarita	\$0	\$60,142	0%
Redlands	\$46	\$86,840	0%
Redondo Beach	\$0	\$84,000	0%
Rialto	\$5,650	\$125,452	5%
Riverside (City)	\$4,583	\$362,731	1%
Rolling Hills Estates	\$0	\$10,151	0%
Rosemead	\$0	\$65,077	0%
San Bernardino (City)	\$0	\$265,340	0%
San Clemente	\$0	\$89,961	0%
San Dimas	\$2,010	\$40,192	5%
San Fernando	\$0	\$29,745	0%
San Gabriel	\$0	\$49,976	0%
San Jacinto	\$0	\$55,917	0%
San Juan Capistrano	\$0	\$46,527	0%
San Marino	\$0	\$15,568	0%
Santa Ana	\$13,089	\$409,810	3%
Santa Clarita	\$6,406	\$214,858	3%
Santa Fe Springs	\$0	\$20,636	0%
Santa Monica	\$2,577	\$109,370	2%
Seal Beach	\$0	\$29,045	0%
Sierra Madre	\$0	\$29,266	0%
Signal Hill	\$0	\$10,460	0%
South El Monte	\$0	\$25,309	0%
South Gate	\$6,183	\$114,921	5%
South Pasadena	\$0	\$32,225	0%
Stanton	\$127	\$36,198	0%
Temecula	\$0	\$127,507	0%
Temple City	\$0	\$44,743	0%
Torrance	\$0	\$183,038	0%
Tustin	\$0	\$95,047	0%
Upland	\$4,654	\$93,077	5%
Villa Park	\$600	\$11,992	5%
Walnut	\$0	\$35,399	0%
West Covina	\$107	\$133,468	0%
West Hollywood	\$0	\$41,752	0%
Westlake Village	\$0	\$10,404	0%
Westminster	\$5,641	\$112,813	5%
Whittier	\$4,882	\$107,334	5%
Wildomar	\$2,041	\$40,815	5%
Yorba Linda	\$0	\$81,354	0%
Yucaipa	\$0	\$64,866	0%

Summary of Spending by Project SubCategory

Fiscal Year 2011-2012

Subcategory	Category	Expenditures	Number of Projects
(1) Alternative Fuels/Electric Vehicles			
(1a)	Alternative Fuel Vehicle Purchases	\$3,207,321	32
(1b)	Alternative Fuel Vehicle Conversions	\$29,800	2
(1c)	Alternative Fuel Infrastructure (refueling, etc.)	\$1,548,581	16
(1d)	Electric Vehicle Purchases	\$376,554	8
(1f)	Electric Veh Infrastructure	\$69,025	3
(1g)	Mechanic Training, Veh Oper (Non-transit fuel subsidies)	\$775	1
(1h)	Alternative Fuel Vehicle Research & Development	\$7,630	1
(2) Vehicle Emissions Abatement			
(2a)	Off Road Veh Cleaner Diesel Purchases, Repowers	\$51,104	2
(2b)	Improved Maintenance (I&M, smoking veh enforce)	\$73,745	2
(2d)	On-road CARB-verified Diesel Emission Control Systems	\$117,097	3
(3) Land Use			
(3a)	Plan Elements	\$885,731	8
(3b)	Development Guidelines	\$204,675	10
(3c)	Facilities (Pedestrian, mixed use, etc.)	\$30,093	2
(3d)	Land Use Research	\$80,937	5
(4) Public Transportation (Transit & Rail)			
(4a)	Public Transportation Facilities (multi-modal, shelters)	\$146,546	5
(4c)	Transit Operations (new service, shuttles, fuel subsidies)	\$770,231	14
(4d)	Passenger Fare Subsidies	\$1,077,206	31
(5) Traffic Management			
(5a)	Traffic Calming	\$73,066	5
(5b)	Traffic Flow or Signalization (timing, surveillance)	\$2,073,424	21
(5c)	Alternate Mode Signalization (transit/bike pre-emption)	\$10,000	1
(5d)	Traffic Management Research and Dev	\$77,292	2
(6) Transportation Demand Management			
(6a)	Employer-Based Trip Reduction	\$4,425,663	60
(6b)	Other Trip Reduction Incentive Programs	\$56,769	7
(6c)	Vanpool Programs	\$582,992	4
(6d)	Park and Ride Lots (for carpools, transit)	\$157,925	1
(6e)	Telecommunication	\$548,055	10
(8) Bicycles			
(8a)	Bicycle Lanes and Trails (also bridges)	\$788,783	10
(8b)	Other Bicycle Facilities (racks, lockers, loop detectors)	\$30,585	4
(8c)	Bicycle Usage (electric bikes, purchases, loaner projects)	\$114,347	7
(8d)	Bicycle Research and Dev (engineering studies)	\$29,999	2

Subcategory	Category	Expenditures	Number of Projects
(9) PM10 Reduction Strategies			
(9a)	Road Dust Control (paving roads, shoulders, street sweeping)	\$751,078	15
(10) Public Education			
(10a)	Short Term PE (promote transit, rideshare; conferences)	\$263,308	4
(10b)	Long Term PE (curriculum, video, brochures, bilingual)	\$10,000	1
(11) Miscellaneous Projects			
(11a)	Miscellaneous (use with "Miscellaneous Projects")	\$318,453	19
Grand Total		\$18,988,787	318

Local Government Projects Funded by Category

Fiscal Year 2011-2012

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(1) Alternative Fuels/Electric Vehicles			
(1a) Alternative Fuel Vehicle Purchases			
	Arcadia	Purchase of One CNG Fuel Powered Street Sweeper	\$100,000
	Artesia	Purchase Hybrid Vehicle	\$28,282
	Calabasas	Alternative Fuel Fleet lease of 9 vehicles	\$36,107
	Corona	Alternative Fuel Vehicle Rebate Program (34 rebates)	\$65,940
	Cudahy	Hybrid Vehicle	\$21,897
	Cypress	Purchase of Hybrid Vehicle	\$85,000
	Fountain Valley	Replacement of 4 City vehicles with hybrid vehicles	\$150,877
	Fullerton	Lease of 3 Alternative Fuel Vehicles	\$14,216
	Hawthorne	Street Sweeping	\$100,000
	Hemet	Purchase of new Freightliner natural gas patch truck	\$26,938
	Indian Wells	Purchase of one CNG Ford Crown Vic for use by City personnel	\$985
	Lakewood	Purchase 2 Honda CNG	\$56,482
	Lakewood	Purchase CNG Truck	\$49,337
	Lomita	CNG Street Sweeping Services	\$15,000
	Los Angeles (City)	#2 Purchase 40 Alt Fuel Collection Vehicles & Support	\$1,200,000
	Los Angeles (City)	Alt Fuel Purchase #3 13 Elgin 2011 CNG Broombear Sweepers	\$325,000
	Los Angeles (City)	#1 Alt Fuel Purchase of 5 new 2012 Sewer Truck CNG vehicles	\$125,000
	Monterey Park	T3 Motion Vehicles	\$26,095
	Norwalk	Cleaner Fuel Street Sweeping Contract	\$87,564
	Norwalk	Purchase of Hybrid Vehicle	\$28,648
	Paramount	Purchase of Hybrid Vehicles (passenger vehicle)	\$41,187
	Paramount	Purchase of Hybrid Vehicles (pick-up truck)	\$36,611
	Perris	Hybrid Vehicles	\$86,461
	Pomona	Purchase of Alternative Fuel Vehicle	\$43,618
	Rancho Cucamonga	Alternative Fuel Vehicle Purchase	\$61,954
	Rancho Cucamonga	Alternative Fuel Vehicle Purchase	\$51,321
	Riverside (City)	Alternative Fuel Vehicle Rebate Program	\$66,000
	Rosemead	Purchase of one 2009 Ford Escape Hybrid SUV	\$24,170
	San Gabriel	Purchase of Alternative Fuel Vehicles	\$40,000
	Temple City	Purchase of three hybrid vehicles and accessories	\$91,846
	Upland	Street Sweeper	\$18,785
	Yorba Linda	Fleet Vehicle Replacement Program	\$102,000
		Subcategory Total	\$3,207,321
(1b) Alternative Fuel Vehicle Conversions			
	Irvine	Flatbed CNG Conversion	\$15,000
	Irvine	Pickup CNG Conversion	\$14,800
		Subcategory Total	\$29,800
(1c) Alternative Fuel Infrastructure (refueling, etc.)			
	Alhambra	Capital Improvements to CNG Fueling Station	\$5,114
	Cathedral City	CNG Refueling Station	\$18,140
	Chino	CNG Fueling Station Upgrade	\$348,993
	Chino Hills	Design and Upgrade to CNG Station	\$558
	El Monte	Alternative Fuels/Electric Vehicles	\$5,121
	Hawaiian Gardens	CNG Fueling Station	\$17,933
	Hemet	CNG Fill Station	\$141,882

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(1c) Alternative Fuel Infrastructure (refueling, etc.) (cont'd)			
Los Angeles (City)	Alt Fuel Dev.	Emissions Reductions, Infrastructure Support	\$616,664
Los Angeles (City)	BOE Alternative Fuel Infrastructure and Support		\$152,070
Malibu	CNG Fueling Station		\$10,044
Newport Beach	Corporate Yard Fleet Shop CNG Modification		\$25,781
Ontario	Upgrade CNG Fueling Station		\$69,623
San Bernardino (City)	Alternative Fuel Purchase		\$30,000
Santa Monica	CNG Station Upgrade		\$102,973
South Gate	Propane Fuel Infrastructure		\$2,869
Villa Park	Public Works Fueling Station		\$816
Subcategory Total			\$1,548,581
(1d) Electric Vehicle Purchases			
Gardena	Purchase 2 "Leaf" Nissan electric car, and charging stations		\$87,750
Rancho Cucamonga	Electric Vehicle Purchase		\$33,420
San Dimas	Rav 4 Vehicle Leases (3 Electric Vehicles)		\$15,672
San Gabriel	Electric Cart Purchase		\$9,991
Santa Monica	Electric Vehicle Leases		\$90,873
Santa Monica	Electric Vehicle Purchases		\$60,000
South Gate	Electric Vehicle Lease		\$22,582
Stanton	Purchase of Electric City Vehicle		\$56,265
Subcategory Total			\$376,554
(1f) Electric Veh Infrastructure			
Riverside (City)	Electric Vehicle Charging Infrastructure		\$60,369
Santa Monica	Electric Vehicle Chargers		\$8,385
West Covina	Electric Vehicle Charging Station		\$271
Subcategory Total			\$69,025
(1g) Mechanic Training, Veh Oper (Non-transit fuel subsidies)			
El Monte	Miscellaneous		\$775
Subcategory Total			\$775
(1h) Alternative Fuel Vehicle Research & Development			
Bellflower	EV Charging Stations Research		\$7,630
Subcategory Total			\$7,630
Category Total			\$5,239,686
(2) Vehicle Emissions Abatement			
(2a) Off Road Veh Cleaner Diesel Purchases, Repowers, & Retrofits			
Chino	Off Road Engine Retrofits for City Fleet Vehicles		\$13,711
Huntington Beach	Loader Engine Repower		\$37,393
Subcategory Total			\$51,104
(2b) Improved Maintenance (I&M, smoking veh enforce)			
Los Angeles (City)	Maint of Particulate Traps for On-Road CNG/LNG Vehicles		\$61,017
South Gate	Vehicle Modification or reduce emission		\$12,728
Subcategory Total			\$73,745
(2d) On-road CARB-verified Diesel Emission Control Systems--VDECS			
Huntington Beach	Diesel Particulate Filter Installations		\$47,770
Pomona	Purchase of Particulate Matter Reduction Devices		\$40,473
South Gate	Vehicle Modification of Reduce Emission		\$28,854
Subcategory Total			\$117,097
Category Total			\$241,946

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(3) Land Use			
(3a) Plan Elements			
Carson		Geographical Information System	\$25,422
Los Angeles (City)		Land Use, Development and Other Air Quality Strategies	\$696,028
Mission Viejo		City of Mission Viejo Air Quality Planning: FY11-12	\$37,722
Placentia		General Plan Update	\$25,130
Santa Ana		General Plan Circulation Element Update	\$38,605
Santa Ana		Harbor Boulevard Transit Corridor	\$37,653
Santa Ana		Climate Action Plan	\$14,025
Santa Ana		Go Local / Fixed Guideway Plan	\$11,145
Subcategory Total			\$885,731
(3b) Development Guidelines			
County of LA		Air Quality Coordination	\$2,815
La Mirada		I-5 Capacity Enhancement Innovation Project	\$45,600
Lakewood		91/605 COG Corridor Study	\$11,000
Long Beach		COG Sponsored Project	\$16,881
Long Beach		COG Sponsored Project	\$15,899
Los Angeles (City)		Climate Change and Sustainability	\$36,718
Norwalk		I-5 Consortium Cities JPA	\$13,284
Norwalk		COG Sponsored Project	\$6,500
Santa Ana		Transit Zoning Code	\$18,353
Santa Clarita		Climate Action Plan	\$37,625
Subcategory Total			\$204,675
(3c) Facilities (Pedestrian, mixed use, etc.)			
Long Beach		COG Sponsored Project	\$28,140
Long Beach		Bike and Pedestrian Project Improvements	\$1,953
Subcategory Total			\$30,093
(3d) Land Use Research			
Big Bear Lake		Big Bear Valley Master Plan of Trails Planning	\$88
Cerritos		Orangeline Development	\$4,700
County of LA		Clean Air Plan Implementation	\$17,185
Long Beach		COG Sponsored Project	\$57,500
South Gate		Air Quality Research, Planning and Development	\$1,464
Subcategory Total			\$80,937
Category Total			\$1,201,435
(4) Public Transportation (Transit & Rail)			
(4a) Public Transportation Facilities (multi-modal, shelters)			
Anaheim		Canyon Metrolink Station Improvements	\$4,965
Laguna Niguel		Laguna Niguel/Mission Viejo Metrolink Station	\$40,505
Placentia		Kraemer Bus Pad	\$34,015
Rosemead		Parking Lot Renovation and Expansion	\$64,259
Tustin		Rail Station Parking Structure Maintenance	\$2,802
Subcategory Total			\$146,546
(4c) Transit Operations (new service, shuttles, fuel subsidies)			
Anaheim		Canyon Downtown Program	\$83,022
Anaheim		Project S Shuttle System Improvements	\$6,599
Brea		Brea Transportation Program	\$50,252
Carson		Public Transit Operations & Maintenance	\$31,894
Duarte		Shuttle Services	\$7,610
Glendora		Purchase of one 22-26 passenger CNG fueled bus	\$135,260
Huntington Beach		Shuttle Service	\$83,034
La Habra		Shuttle Program	\$75,803
Placentia		Transit Services	\$10,911

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(4c) Transit Operations (new service, shuttles, fuel subsidies) (cont'd)			
Rialto	Go Smart Pilot Program		\$51,375
Santa Clarita	New Bus Purchase		\$165,247
Santa Fe Springs	Norwalk/Santa Fe Springs Transportation Center Shuttle		\$20,636
Seal Beach	Transportation Program #44		\$32,228
Temecula	Route 55 Temecula Trolley Service		\$16,361
Subcategory Total			\$770,231
(4d) Passenger Fare Subsidies			
Anaheim	Metrolink OCTA		\$136,474
Azusa	Metrolink Subsidy Program		\$1,897
Chino	College Free Pass Program		\$18,375
Chino Hills	College Free Pass Program		\$8,175
Claremont	City Employee Trip Reduction Program		\$2,400
Corona	Corona Cruiser Bus Passenger Fare Subsidy		\$10,512
County of San Bernardino	Go Smart College Student Free Ride Pilot Program		\$8,000
Covina	Commuter Choice Reimbursement Program		\$6,665
El Monte	Rio Hondo Bus Passes		\$2,500
Fontana	Omnitrans Pilot Program		\$93,165
Grand Terrace	Omnitrans - College Pass Pilot Program		\$5,775
Highland	Go Smart College Student Free Ride Pilot Program		\$12,000
Laguna Beach	Main Line Service during the Summer		\$14,051
Laguna Beach	Ride to Work Bus Pass Program		\$13,875
Loma Linda	College Pass Pilot Program		\$12,180
Los Angeles (City)	Commuter Options (Transit-Rail or Bus)		\$239,486
Monrovia	Discount Bus Passes		\$4,526
Montclair	College Free Pass Pilot Program with Omnitrans		\$7,350
Montclair	Metrolink Passes		\$1,080
Ontario	Omnitrans College Pass Program		\$40,830
Rancho Cucamonga	College Pass Program		\$91,545
Redlands	College Bus Pass Pilot Program 2011-12		\$15,000
Riverside (City)	Riverside Go Transit Program		\$105,873
Riverside (City)	Riverside City Pass Program		\$14,880
San Bernardino (City)	Go Smart College Student Free Ride Pilot Program		\$141,765
Santa Clarita	Rideshare		\$7,025
South El Monte	Bus Pass Program		\$8,765
South El Monte	Go Rio Transportation Program		\$1,500
Walnut	E-Z Pass bus and Metro Link fare subsidies		\$7,544
Whittier	Go Rio Bus Pass Program		\$9,268
Yucaipa	College Free Pass		\$34,725
Subcategory Total			\$1,077,206
Category Total			\$1,993,982
(5) Traffic Management			
(5a) Traffic Calming			
Costa Mesa	Broadway Traffic Calming		\$1,355
Rancho Santa Margarita	Crosswalk Bulb-Out Installation		\$33,125
Rancho Santa Margarita	Robinson Ranch Traffic Calming		\$16,900
San Clemente	Bike and Pedestrian Master Plan		\$5,645
Villa Park	School Site Traffic Calming		\$16,041
Subcategory Total			\$73,066

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(5b) Traffic Flow or Signalization (timing, surveillance)			
Agoura Hills		Internet Connection for Signal Synchronization	\$16,506
Costa Mesa		Signal/CCTV Improvement Project	\$87,366
Diamond Bar		Diamond Bar Intelligent Transportation System (DBITS)	\$51,885
Highland		Signal Synchronization	\$19,660
Laguna Hills		La Paz at I-5 Improvements, CIP 159	\$38,219
Laguna Niguel		Traffic Signal Coordination	\$43,171
Lake Elsinore		Traffic Signal Upgrade	\$18,743
Lake Elsinore		Traffic Signal Coordination Program	\$10,720
Lake Forest		Central Traffic Control Server (Centracs)	\$25,000
Lakewood		Truck-impacted intersection project	\$4,800
Loma Linda		Signal Coordination	\$4,800
Los Angeles (City)		ATSAC Control Center	\$1,351,477
Mission Viejo		City of Mission Viejo Traffic Signal Coordination: FY 11-12	\$6,900
Moreno Valley		Moval / Riverside Intertie	\$51,284
Moreno Valley		Moreno Valley Transportation Management Center	\$39,206
Moreno Valley		Traffic Signal Coordination Program	\$25,311
Murrieta		City Fiber Communication Backbone Plans	\$172,450
Placentia		Traffic Model & Fee Program	\$38,045
Rancho Santa Margarita		Traffic Signal Synchronization	\$2,881
Riverside (City)		Traffic Timing and Coordination	\$25,000
San Bernardino (City)		Misc Traffic Engineering	\$40,000
Subcategory Total			\$2,073,424
(5c) Alternate Mode Signalization (transit/bike pre-emption)			
Costa Mesa		Gisler Avenue In-pavement Flashing X-walk	\$10,000
Subcategory Total			\$10,000
(5d) Traffic Management Research and Dev			
Huntington Beach		Traffic Signal Master Plan and Circulation Element	\$77,153
San Juan Capistrano		Traffic Studies and Engineering	\$139
Subcategory Total			\$77,292
Category Total			\$2,233,781
(6) Transportation Demand Management			
(6a) Employer-Based Trip Reduction			
Anaheim		Trip Reduction Program	\$52,272
Arcadia		Rideshare Plus Program	\$20,889
Baldwin Park		Employee Transportation Program	\$9,304
Bell Gardens		Alternative Transportation Program	\$296
Burbank		Burbank Commuter Program	\$120,832
Carson		Breathe-Employee Ride Share Program	\$65,835
Cerritos		Employee Rideshare Trip Rebate Program	\$37,205
Commerce		Employer Based Trip Reduction	\$16,130
Compton		Rideshare	\$49,049
Corona		City of Corona Carpool Program	\$85,397
Costa Mesa		Rule 2202 Implementation	\$4,332
County of LA		Trip Reduction Plan Incentive-Civic Center	\$932,267
County of LA		Trip Reduction Plan Incentive; Countywide-No Civic Center	\$306,400
County of Orange		Employee Rideshare Program	\$35,000
County of Riverside		Rideshare	\$511,675
County of San Bernardino		Employee Commute Reduction Program	\$164,070

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(6a) Employer-Based Trip Reduction (cont'd)			
Covina		Commuter Rideshare Program	\$1,821
Downey		Downey Employees "Thumbs Up" Commuting Program	\$140,610
El Monte		Transportation Demand Management	\$54,561
Fullerton		Rule 2202 Compliance	\$4,804
Garden Grove		Employee Based Trip Reduction Program	\$257,490
Gardena		Gardena Employee Rideshare - Rule 2202 Compliance	\$25,102
Glendale		Employer Based Trip Reduction Program	\$241,447
Glendora		ALTCOM-Rideshare Program	\$16,500
Hermosa Beach		AQMD Incentives to reduce auto trips	\$390
Huntington Beach		Employee Rideshare/Alternate Commute	\$30,717
Huntington Beach		Rule 2202 Costs	\$1,156
Irvine		Rule 2202 Compliance	\$504
La Verne		Bike, Carpool, Walk Incentive Program	\$9,268
Long Beach		Rule 2202 Compliance	\$754
Los Angeles (City)		Commute Services Office (Carpool)	\$47,471
Manhattan Beach		Employee Rideshare Program	\$9,318
Monrovia		Clean Air Program (FY 11-12)	\$4,935
Montclair		Gas & Car Wash carpool	\$17,428
Montebello		Employee Commute Reduction Program	\$37,249
Monterey Park		Employee Transportation Program	\$23,942
Newport Beach		Employee Rideshare Program	\$6,188
Norwalk		City Employee Commuter Program	\$30,000
Ontario		Rideshare	\$13,176
Orange (City)		Trip Reduction Program	\$131,530
Palm Desert		Ride Share Program	\$2,011
Palm Springs		Employer Based Trip Reduction	\$22,580
Pasadena		Prideshare	\$167,731
Perris		Employee Carpool Reimbursement	\$209
Pomona		On Road Motor Vehicle Mitigation	\$3,602
Rancho Cucamonga		Employer Ride Share Program	\$40,088
Redondo Beach		Employee Rideshare	\$61,316
Rialto		Rideshare	\$76,235
Riverside (City)		Rule 2202 On-Road Motor Vehicle Mitigation Compliance	\$1,200
San Bernardino (City)		Employee Rideshare Program	\$93,334
Santa Ana		Employer Based Trip Reduction Program	\$191,918
South Gate		Employer Rideshare Program	\$2,680
Stanton		Alternative Commute Incentive	\$2,005
Torrance		Employee Trip Reduction Program	\$164,358
Upland		RideShare	\$41,953
West Covina		Employee Rideshare Program	\$14,370
West Covina		Air Quality Investment Program (AQIP)	\$6,536
West Hollywood		Employee Alternative Mode Incentive Program	\$6,020
Whittier		Employee Rideshare	\$9,701
Whittier		Air Quality Investment Program	\$504
Subcategory Total			\$4,425,663
(6b) Other Trip Reduction Incentive Programs			
Anaheim		Rail Feeder Pool Vehicles	\$1,357
Azusa		Rideshare	\$18,655
Chino		Vehicle Registration Rule 2202	\$504
Hawthorne		Rideshare Incentives	\$3,840
Irvine		Irvine Spectrum Transportation Management Association	\$2,363
Los Angeles (City)		Commute Services Office (Bicycle/Walk Subsidy)	\$9,979
Westminster		Rideshare Program	\$20,071
Subcategory Total			\$56,769

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(6c) Vanpool Programs			
Anaheim	Citywide Vanpool Program		\$53,193
Los Angeles (City)	Commuter Options Office (Vanpool)		\$459,894
Stanton	Van Transportation		\$4,600
Westminster	Vanpool Program		\$65,305
Subcategory Total			\$582,992
(6d) Park and Ride Lots (for carpools, transit)			
Irvine	Irvine Station		\$157,925
Subcategory Total			\$157,925
(6e) Telecommunication			
County of Riverside	Video Conferencing		\$127,089
Covina	Telecommuting Program - Materials and Software		\$6,078
Diamond Bar	Transit Pass System		\$15,431
Fullerton	Project Dox		\$326,750
Fullerton	Telecommunications Project		\$5,474
Norwalk	City Mass Notification System and Online Billing		\$12,590
Placentia	Redesign City Website		\$19,025
Placentia	Web Hosting Update		\$6,600
Westminster	Online Document Submission Website Upgrade		\$19,018
Whittier	Website		\$10,000
Subcategory Total			\$548,055
Category Total			\$5,771,404
(8) Bicycles			
(8a) Bicycle Lanes and Trails (also bridges)			
Claremont	Citrus Regional Bikeway		\$57,793
Costa Mesa	Joann Street Bike Trail		\$52,323
Fontana	Pacific Electric Trail Segments 3B & 4		\$114,571
Riverside (City)	Bicycle Program		\$27,295
Temecula	Pedestrian Bicycle Bridge Over Santa Gertrudis Creek to CHS		\$478,698
Whittier	Greenway Bicycle Trail		\$394
Yucaipa	12th Street Curb, Gutter, Sidewalk		\$36,945
Yucaipa	6th Street Curb, Gutter, Sidewalk		\$10,407
Yucaipa	13th Street Curb, Gutter, Sidewalk		\$8,332
Yucaipa	12th and 13th Streets Curb, Gutter, Sidewalk		\$2,025
Subcategory Total			\$788,783
(8b) Other Bicycle Facilities (racks, lockers, loop detectors)			
Fullerton	Bike Racks		\$2,355
Riverside (City)	Bicycle Program		\$17,236
Santa Clarita	Bike Rack		\$3,696
West Hollywood	Bicycle Parking Facilities		\$7,298
Subcategory Total			\$30,585
(8c) Bicycle Usage (electric bikes, purchases, loaner projects)			
Baldwin Park	Police Department Bicycle Patrol Program		\$1,632
Huntington Park	Bicycle Supplies		\$1,245
Los Angeles (City)	LAPD Purchase of 80 Bicycles for Bike Patrol Program		\$97,718
Orange (City)	Orange Police Bike Team		\$4,131
Orange (City)	Bike Loan to Own		\$380
Pasadena	FoldNGo		\$6,532
Santa Clarita	Bike To Work		\$2,709
Subcategory Total			\$114,347

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(8d) Bicycle Research and Dev (engineering studies)			
Huntington Beach	Bicycle Master Plan		\$28,607
Long Beach	Bike Master Plan		\$1,392
Subcategory Total			\$29,999
Category Total			\$963,714
(9) PM10 Reduction Strategies			
(9a) Road Dust Control (paving roads, shoulders, street sweeping)			
Cathedral City	Regional PM10 Street Sweeping Program		\$38,835
Chino Hills	Pave Fairway Drive (S10008)		\$51,146
Coachella	CVAG Regional PM10 Street Sweeping Program		\$29,237
County of Riverside	CVAG Regional PM 10 Street Sweeping		\$38,041
Desert Hot Springs	Regional PM10 Street Sweeping Program		\$26,737
El Monte	Regional PM10 Street Sweepers Contract (2 Vehicles)		\$100,000
Indian Wells	Regional PM10 Street Sweeping Program		\$3,902
Indio	Regional PM10 Street Sweeping Program		\$58,078
Indio	City Street Sweeping Program		\$55,853
La Quinta	Regional PM10 Street Sweeping Program		\$28,482
Moreno Valley	Street Sweeping Program - PM10 and PM2.5 Reduction		\$191,793
Palm Desert	Regional PM10 Street Sweeping Program		\$36,962
Palm Springs	Regional PM10 Street Sweeping Program		\$33,870
Rancho Mirage	Regional PM10 Street Sweeping Program		\$13,141
Riverside (City)	PM Paving Projects		\$45,000
Subcategory Total			\$751,078
Category Total			\$751,078
(10) Public Education			
(10a) Short Term PE (promote transit, rideshare; conferences)			
Anaheim	Rideshare Outreach		\$26,698
Los Angeles (City)	CicLAvia		\$196,610
Moreno Valley	WRCOG - Clean Cities Coalition		\$15,000
Riverside (City)	WRCOG Clean Cities Coalition		\$25,000
Subcategory Total			\$263,308
(10b) Long Term PE (curriculum, video, brochures, bilingual)			
Santa Monica	Public Education: AltCar Expo		\$10,000
Subcategory Total			\$10,000
Category Total			\$273,308
(11) Miscellaneous Projects			
(11a) Miscellaneous (use with "Miscellaneous Projects" Category)			
Arcadia	San Gabriel Valley Council of Government (SGVCOG)		\$6,400
Banning	WRCOG Clean Cities		\$3,000
Bell	COG Sponsored Projects		\$2,600
Bell Gardens	I-710 Corridor Project		\$10,000
Bell Gardens	Gateway Cities COG		\$8,000
Calimesa	Clean Cities Coalition Dues 2011-12		\$750
Corona	Western Riverside Council of Gov Clean Cities Coalition		\$6,000
County of Riverside	Clean Cities Coalition		\$40,000
Covina	SGVCOG Annual Membership		\$5,000
Laguna Woods	Santa Maria Multimodal Trail		\$47,426
Los Angeles (City)	Air Quality Coordination, Proj Mgmt & Green Taxi Program		\$110,756
Los Angeles (City)	Annual Audit Mobile Source Air Pollution Reduction Fund		\$26,900
Norwalk	Audit fees		\$2,000
Perris	Mounted Posse		\$5,451
Pomona	COG Sponsored Projects		\$13,500

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(11a) Miscellaneous (use with "Miscellaneous Projects" Category) (cont'd)			
Rolling Hills Estates	Neighborhood electric vehicle, signal sync		\$6,685
Signal Hill	Gateway Cities Trans Assessment		\$2,488
Temecula	WRCOG Clean Cities Coalition Air Quality		\$10,000
Whittier	Gateway Cities COG Sponsored Projects		\$11,497
		Subcategory Total	\$318,453
		Category Total	\$318,453
GRAND TOTAL:			\$18,988,787

Range of Cost-Effectiveness by Subcategory for Fiscal Year 2011-2012

	Lowest (\$/lb)	Highest (\$/lb)	Lowest (\$/lb)	Highest (\$/lb)
	(ROG + NO _x + PM _{2.5})		(ROG + NO _x + PM _{2.5} + CO/7)	
(1a) Alternative Fuel Vehicle Purchases	\$1.97	\$24,055.98	\$1.96	\$4,566.73
(1b) Alternative Fuel Vehicle Conversions	\$202.28	\$872.69	\$73.27	\$872.69
(1c) Alternative Fuel Infrastructure (refueling, etc.)	\$40.82	\$2,468.26	\$40.47	\$2,411.73
(1d) Electric Vehicle Purchases	\$37.04	\$199,638.16	\$36.82	\$19,499.54
(2a) Off Road Veh Cleaner Diesel Purchases, Repowers	\$1.46	\$7.29	\$1.38	\$7.29
(4c) Transit Operations (new service, shuttles, fuel)	(\$1,276.14)	\$5,061.10	(\$720.37)	\$3,040.00
(4d) Passenger Fare Subsidies	\$0.32	\$1,265.76	\$0.19	\$757.73
(5a) Traffic Calming	\$7.02	\$4,507.72	\$4.03	\$2,497.37
(5b) Traffic Flow or Signalization (timing, surveillance)	\$0.02	\$60.60	\$0.02	\$36.42
(5c) Alternate Mode Signalization (transit/bike)	\$77.28	\$77.28	\$47.84	\$47.84
(6a) Employer-Based Trip Reductions	\$0.05	\$4,685.17	\$0.05	\$994.63
(6b) Other Trip Reduction Incentive Programs	\$3.66	\$327.11	\$2.18	\$197.08
(6c) Vanpool Programs	\$38.41	\$461.88	\$23.16	\$303.04
(6e) Telecommunication	\$7.10	\$1,617.08	\$4.21	\$959.77
(8a) Bicycle Lanes and Trails (also bridges)	\$0.07	\$1,177.64	\$0.04	\$712.35

	Lowest	Highest	Lowest	Highest
	(\$/lb)	(\$/lb)	(\$/lb)	(\$/lb)
	(ROG + NO_x + PM_{2.5})		(ROG + NO_x + PM_{2.5} + CO/7)	
(8c) Bicycle Usage (electric bikes, purchases, loaner)	\$4.20	\$25,695.48	\$1.03	\$9,541.15
(9a) Road Dust Control (paving roads, shoulders, street)	\$2.22	\$207.53	\$2.22	\$207.53

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

Project Funding Sources

Fiscal Year 2011-2012

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Agoura Hills					
Internet Connection for Signal Synchronization	\$16,506	\$0	\$0	\$0	\$0
Alhambra					
Capital Improvements to CNG Fueling Station	\$5,114	\$0	\$0	\$0	\$0
Aliso Viejo					
	\$0	\$0	\$0	\$0	\$0
Anaheim					
Canyon Downtown Program	\$83,022	\$0	\$0	\$0	\$34,590
Canyon Metrolink Station Improvements	\$4,965	\$0	\$0	\$0	\$572
Citywide Vanpool Program	\$53,193	\$0	\$0	\$0	\$15,095
Metrolink OCTA	\$136,474	\$0	\$0	\$0	\$29,699
Project S Shuttle System Improvements	\$6,599	\$0	\$0	\$0	\$760
Rail Feeder Pool Vehicles	\$1,357	\$0	\$0	\$0	\$156
Rideshare Outreach	\$26,698	\$0	\$0	\$0	\$3,074
Trip Reduction Program	\$52,272	\$0	\$0	\$0	\$6,018
Arcadia					
Purchase of One CNG Fuel Powered Street Sweeper	\$100,000	\$0	\$0	\$0	\$150,000
Rideshare Plus Program	\$20,889	\$0	\$0	\$0	\$0
San Gabriel Valley Council of Government (SGVCOG)	\$6,400	\$0	\$0	\$0	\$0
Artesia					
Purchase Hybrid Vehicle	\$28,282	\$0	\$0	\$0	\$0
Azusa					
Metrolink Subsidy Program	\$1,897	\$0	\$0	\$0	\$0
Rideshare	\$18,655	\$0	\$0	\$0	\$0
Baldwin Park					
Employee Transportation Program	\$9,304	\$0	\$0	\$0	\$0
Police Department Bicycle Patrol Program	\$1,632	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Banning					
WRCOG Clean Cities	\$3,000	\$0	\$0	\$0	\$0
Beaumont					
	\$0	\$0	\$0	\$0	\$0
Bell					
COG Sponsored Projects	\$2,600	\$0	\$0	\$0	\$0
Bell Gardens					
Alternative Transportation Program	\$296	\$0	\$0	\$0	\$0
Gateway Cities COG	\$8,000	\$0	\$0	\$0	\$0
I-710 Corridor Project	\$10,000	\$0	\$0	\$0	\$0
Bellflower					
EV Charging Stations Research	\$7,630	\$0	\$0	\$0	\$0
Beverly Hills					
	\$0	\$0	\$0	\$0	\$0
Big Bear Lake					
Big Bear Valley Master Plan of Trails Planning	\$88	\$0	\$0	\$0	\$0
Brea					
Brea Transportation Program	\$50,252	\$0	\$0	\$0	\$0
Buena Park					
	\$0	\$0	\$0	\$0	\$0
Burbank					
Burbank Commuter Program	\$120,832	\$0	\$0	\$0	\$0
Calabasas					
Alternative Fuel Fleet lease of 9 vehicles	\$36,107	\$0	\$0	\$0	\$0
Calimesa					
Clean Cities Coalition Dues 2011-12	\$750	\$0	\$0	\$0	\$0
Canyon Lake					
	\$0	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Carson					
Breathe-Employee Ride Share Program	\$65,835	\$0	\$0	\$0	\$0
Geographical Information System	\$25,422	\$0	\$0	\$0	\$0
Public Transit Operations & Maintenance	\$31,894	\$0	\$0	\$0	\$0
Cathedral City					
CNG Refueling Station	\$18,140	\$0	\$0	\$0	\$0
Regional PM10 Street Sweeping Program	\$38,835	\$0	\$0	\$0	\$0
Cerritos					
Employee Rideshare Trip Rebate Program	\$37,205	\$0	\$0	\$0	\$0
Orangeline Development	\$4,700	\$0	\$0	\$0	\$0
Chino					
CNG Fueling Station Upgrade	\$348,993	\$250,000	\$0	\$0	\$0
College Free Pass Program	\$18,375	\$0	\$0	\$0	\$0
Off Road Engine Retrofits for City Fleet Vehicles	\$13,711	\$0	\$0	\$13,711	\$17,189
Vehicle Registration Rule 2202	\$504	\$0	\$0	\$0	\$0
Chino Hills					
College Free Pass Program	\$8,175	\$0	\$0	\$0	\$0
Design and Upgrade to CNG Station	\$558	\$0	\$0	\$0	\$0
Pave Fairway Drive (S10008)	\$51,146	\$0	\$0	\$0	\$0
Claremont					
Citrus Regional Bikeway	\$57,793	\$0	\$0	\$0	\$0
City Employee Trip Reduction Program	\$2,400	\$0	\$0	\$0	\$0
Coachella					
CVAG Regional PM10 Street Sweeping Program	\$29,237	\$0	\$0	\$0	\$0
Colton					
	\$0	\$0	\$0	\$0	\$0
Commerce					
Employer Based Trip Reduction	\$16,130	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Compton					
Rideshare	\$49,049	\$0	\$0	\$0	\$0
Corona					
Alternative Fuel Vehicle Rebate Program (34 rebates)	\$65,940	\$0	\$0	\$0	\$0
City of Corona Carpool Program	\$85,397	\$0	\$0	\$0	\$0
Corona Cruiser Bus Passenger Fare Subsidy	\$10,512	\$0	\$0	\$0	\$0
Western Riverside Council of Gov Clean Cities Coalition	\$6,000	\$0	\$0	\$0	\$0
Costa Mesa					
Broadway Traffic Calming	\$1,355	\$0	\$0	\$0	\$0
Gisler Avenue In-pavement Flashing X-walk	\$10,000	\$0	\$0	\$0	\$0
Joann Street Bike Trail	\$52,323	\$0	\$0	\$0	\$0
Rule 2202 Implementation	\$4,332	\$0	\$0	\$0	\$0
Signal/CCTV Improvement Project	\$87,366	\$0	\$0	\$0	\$0
County of LA					
Air Quality Coordination	\$2,815	\$0	\$0	\$0	\$0
Clean Air Plan Implementation	\$17,185	\$0	\$0	\$0	\$0
Trip Reduction Plan Incentive; Countywide-No Civic Center	\$306,400	\$0	\$0	\$0	\$0
Trip Reduction Plan Incentive-Civic Center	\$932,267	\$0	\$0	\$0	\$0
County of Orange					
Employee Rideshare Program	\$35,000	\$0	\$0	\$0	\$206,333
County of Riverside					
Clean Cities Coalition	\$40,000	\$0	\$0	\$0	\$0
CVAG Regional PM 10 Street Sweeping	\$38,041	\$0	\$0	\$0	\$150,000
Rideshare	\$511,675	\$0	\$0	\$0	\$0
Video Conferencing	\$127,089	\$0	\$0	\$0	\$0
County of San Bernardino					
Employee Commute Reduction Program	\$164,070	\$0	\$0	\$0	\$0
Go Smart College Student Free Ride Pilot Program	\$8,000	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Covina					
Commuter Choice Reimbursement Program	\$6,665	\$0	\$0	\$0	\$0
Commuter Rideshare Program	\$1,821	\$0	\$0	\$0	\$0
SGVCOG Annual Membership	\$5,000	\$0	\$0	\$0	\$0
Telecommuting Program - Materials and Software	\$6,078	\$0	\$0	\$0	\$0
Cudahy					
Hybrid Vehicle	\$21,897	\$0	\$0	\$0	\$0
Culver City					
	\$0	\$0	\$0	\$0	\$0
Cypress					
Purchase of Hybrid Vehicle	\$85,000	\$0	\$0	\$0	\$0
Dana Point					
	\$0	\$0	\$0	\$0	\$0
Desert Hot Springs					
Regional PM10 Street Sweeping Program	\$26,737	\$0	\$0	\$0	\$0
Diamond Bar					
Diamond Bar Intelligent Transportation System (DBITS)	\$51,885	\$0	\$0	\$0	\$0
Transit Pass System	\$15,431	\$0	\$0	\$0	\$0
Downey					
Downey Employees "Thumbs Up" Commuting Program	\$140,610	\$0	\$0	\$0	\$0
Duarte					
Shuttle Services	\$7,610	\$0	\$0	\$0	\$0
Eastvale					
	\$0	\$0	\$0	\$0	\$0
El Monte					
Alternative Fuels/Electric Vehicles	\$5,121	\$0	\$0	\$0	\$0
Miscellaneous	\$775	\$0	\$0	\$0	\$0
Regional PM10 Street Sweepers Contract (2 Vehicles)	\$100,000	\$0	\$0	\$0	\$0
Rio Hondo Bus Passes	\$2,500	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
El Monte (cont'd)					
Transportation Demand Management	\$54,561	\$0	\$0	\$0	\$0
El Segundo					
	\$0	\$0	\$0	\$0	\$0
Fontana					
Omnitrans Pilot Program	\$93,165	\$0	\$0	\$0	\$0
Pacific Electric Trail Segments 3B & 4	\$114,571	\$0	\$0	\$0	\$0
Fountain Valley					
Replacement of 4 City vehicles with hybrid vehicles	\$150,877	\$0	\$0	\$0	\$0
Fullerton					
Bike Racks	\$2,355	\$0	\$0	\$0	\$0
Lease of 3 Alternative Fuel Vehicles	\$14,216	\$0	\$0	\$0	\$0
Project Dox	\$326,750	\$0	\$0	\$0	\$0
Rule 2202 Compliance	\$4,804	\$0	\$0	\$0	\$0
Telecommunications Project	\$5,474	\$0	\$0	\$0	\$0
Garden Grove					
Employee Based Trip Reduction Program	\$257,490	\$0	\$0	\$0	\$0
Gardena					
Gardena Employee Rideshare - Rule 2202 Compliance	\$25,102	\$0	\$0	\$0	\$0
Purchase 2 "Leaf" Nissan electric car, and charging stations	\$87,750	\$0	\$0	\$0	\$0
Glendale					
Employer Based Trip Reduction Program	\$241,447	\$0	\$0	\$0	\$0
Glendora					
ALTCOM-Rideshare Program	\$16,500	\$0	\$0	\$0	\$0
Purchase of one 22-26 passenger CNG fueled bus	\$135,260	\$0	\$0	\$0	\$0
Grand Terrace					
Omnitrans College Pass Pilot Program	\$5,775	\$0	\$0	\$0	\$0
Hawaiian Gardens					
CNG Fueling Station	\$17,933	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Hawthorne					
Rideshare Incentives	\$3,840	\$0	\$0	\$0	\$0
Street Sweeping	\$100,000	\$0	\$0	\$0	\$0
Hemet					
CNG Fill Station	\$141,882	\$0	\$0	\$0	\$207,685
Purchase of new Freightliner natural gas patch truck	\$26,938	\$0	\$0	\$0	\$0
Hermosa Beach					
AQMD Incentives to reduce auto trips	\$390	\$0	\$0	\$0	\$0
Hidden Hills					
	\$0	\$0	\$0	\$0	\$0
Highland					
Go Smart College Student Free Ride Pilot Program	\$12,000	\$0	\$0	\$0	\$0
Signal Synchronization	\$19,660	\$0	\$0	\$0	\$0
Huntington Beach					
Bicycle Master Plan	\$28,607	\$0	\$0	\$0	\$0
Diesel Particulate Filter Installations	\$47,770	\$0	\$0	\$0	\$0
Employee Rideshare/Alternate Commute	\$30,717	\$0	\$0	\$0	\$0
Loader Engine Repower	\$37,393	\$0	\$0	\$0	\$0
Rule 2202 Costs	\$1,156	\$0	\$0	\$0	\$0
Shuttle Service	\$83,034	\$0	\$0	\$0	\$0
Traffic Signal Master Plan and Circulation Element	\$77,153	\$0	\$0	\$0	\$0
Huntington Park					
Bicycle Supplies	\$1,245	\$0	\$0	\$0	\$0
Indian Wells					
Purchase of one CNG Ford Crown Vic for use by City personnel	\$985	\$0	\$0	\$0	\$0
Regional PM10 Street Sweeping Program	\$3,902	\$0	\$0	\$0	\$0
Indio					
City Street Sweeping Program	\$55,853	\$0	\$0	\$0	\$0
Regional PM10 Street Sweeping Program	\$58,078	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Inglewood					
	\$0	\$0	\$0	\$0	\$0
Irvine					
Flatbed CNG Conversion	\$15,000	\$0	\$0	\$0	\$0
Irvine Spectrum Transportation Management Association	\$2,363	\$0	\$0	\$0	\$0
Irvine Station	\$157,925	\$0	\$0	\$0	\$0
Pickup CNG Conversion	\$14,800	\$0	\$0	\$0	\$0
Rule 2202 Compliance	\$504	\$0	\$0	\$0	\$0
Irwindale					
	\$0	\$0	\$0	\$0	\$0
Jurupa Valley					
	\$0	\$0	\$0	\$0	\$0
La Canada Flintridge					
	\$0	\$0	\$0	\$0	\$0
La Habra					
Shuttle Program	\$75,803	\$0	\$0	\$0	\$0
La Habra Heights					
	\$0	\$0	\$0	\$0	\$0
La Mirada					
I-5 Capacity Enhancement Innovation Project	\$45,600	\$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	\$28,482	\$0	\$0	\$0	\$0
La Verne					
Bike, Carpool, Walk Incentive Program	\$9,268	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Laguna Beach					
Main Line Service during the Summer	\$14,051	\$0	\$0	\$0	\$0
Ride to Work Bus Pass Program	\$13,875	\$0	\$0	\$0	\$0
Laguna Hills					
La Paz at I-5 Improvements, CIP 159	\$38,219	\$0	\$0	\$0	\$0
Laguna Niguel					
Laguna Niguel/Mission Viejo Metrolink Station	\$40,505	\$0	\$0	\$0	\$0
Traffic Signal Coordination	\$43,171	\$0	\$0	\$0	\$0
Laguna Woods					
Santa Maria Multimodal Trail	\$47,426	\$0	\$0	\$0	\$100,608
Lake Elsinore					
Traffic Signal Coordination Program	\$10,720	\$0	\$0	\$0	\$0
Traffic Signal Upgrade	\$18,743	\$0	\$0	\$0	\$0
Lake Forest					
Central Traffic Control Server (Centracs)	\$25,000	\$0	\$0	\$0	\$224,300
Lakewood					
91/605 COG Corridor Study	\$11,000	\$0	\$0	\$0	\$0
Purchase 2 Honda CNG	\$56,482	\$0	\$0	\$0	\$0
Purchase CNG Truck	\$49,337	\$0	\$0	\$0	\$0
Truck-impacted intersection project	\$4,800	\$0	\$0	\$0	\$0
Lawndale					
	\$0	\$0	\$0	\$0	\$0
Loma Linda					
College Pass Pilot Program	\$12,180	\$0	\$0	\$0	\$0
Signal Coordination	\$4,800	\$0	\$0	\$0	\$0
Lomita					
CNG Street Sweeping Services	\$15,000	\$0	\$0	\$0	\$0
Long Beach					
Bike and Pedestrian Project Improvements	\$1,953	\$0	\$0	\$0	\$0
Bike Master Plan	\$1,392	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Long Beach (cont'd)					
COG Sponsored Project	\$16,881	\$0	\$0	\$0	\$0
COG Sponsored Project	\$15,899	\$0	\$0	\$0	\$0
COG Sponsored Project	\$28,140	\$0	\$0	\$0	\$0
COG Sponsored Project	\$57,500	\$0	\$0	\$0	\$0
Rule 2202 Compliance	\$754	\$0	\$0	\$0	\$0
Los Alamitos					
	\$0	\$0	\$0	\$0	\$0
Los Angeles (City)					
#1 Alt Fuel Purchase of 5 new 2012 Sewer Truck CNG vehicles	\$125,000	\$0	\$0	\$0	\$2,423,515
#2 Purchase 40 Alt Fuel Collection Vehicles & Support	\$1,200,000	\$0	\$0	\$0	\$11,252,343
Air Quality Coordination, Proj Mgmt & Green Taxi Program	\$110,756	\$0	\$0	\$0	\$0
Alt Fuel Dev Emissions Reductions, Infrastructure Support	\$616,664	\$0	\$0	\$0	\$0
Alt Fuel Purchase #3 13 Elgin 2011 CNG Broombear Sweepers	\$325,000	\$0	\$0	\$0	\$3,915,119
Annual Audit Mobile Source Air Pollution Reduction Fund	\$26,900	\$0	\$0	\$0	\$0
ATSAC Control Center	\$1,351,477	\$0	\$0	\$0	\$5,239,977
BOE Alternative Fuel Infrastructure and Support	\$152,070	\$0	\$0	\$0	\$0
CicLAvia	\$196,610	\$0	\$0	\$0	\$300,000
Climate Change and Sustainability	\$36,718	\$0	\$0	\$0	\$0
Commute Options (Transit-Rail or Bus)	\$239,486	\$0	\$0	\$0	\$1,409,528
Commute Options Office (Vanpool)	\$459,894	\$0	\$0	\$0	\$1,022,169
Commute Services Office (Bicycle/Walk Subsidy)	\$9,979	\$0	\$0	\$0	\$58,853
Commute Services Office (Carpool)	\$47,471	\$0	\$0	\$0	\$183,284
Land Use, Development and Other Air Quality Strategies	\$696,028	\$0	\$0	\$0	\$0
LAPD Purchase of 80 Bicycles for Bike Patrol Program	\$97,718	\$0	\$0	\$0	\$185,000
Maint. of Particulate Traps for On-Road CNG/LNG Vehicles	\$61,017	\$0	\$0	\$0	\$0
Lynwood					
	\$0	\$0	\$0	\$0	\$0
Malibu					
CNG Fueling Station	\$10,044	\$0	\$0	\$0	\$0
Manhattan Beach					
Employee Rideshare Program	\$9,318	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Maywood					
	\$0	\$0	\$0	\$0	\$0
Menifee					
	\$0	\$0	\$0	\$0	\$0
Mission Viejo					
City of Mission Viejo Air Quality Planning: FY 11-12	\$37,722	\$0	\$0	\$0	\$0
City of Mission Viejo Traffic Signal Coordination: FY 11-12	\$6,900	\$0	\$0	\$0	\$0
Monrovia					
Clean Air Program (FY 11-12)	\$4,935	\$0	\$0	\$0	\$0
Discount Bus Passes	\$4,526	\$0	\$0	\$0	\$0
Montclair					
College Free Pass Pilot Program with Omnitrans	\$7,350	\$0	\$0	\$0	\$0
Gas & Car Wash carpool	\$17,428	\$0	\$0	\$0	\$0
Metrolink Passes	\$1,080	\$0	\$0	\$0	\$0
Montebello					
Employee Commute Reduction Program	\$37,249	\$0	\$0	\$0	\$0
Monterey Park					
Employee Transportation Program	\$23,942	\$0	\$0	\$0	\$0
T3 Motion Vehicles	\$26,095	\$0	\$0	\$0	\$0
Moreno Valley					
Moreno Valley Transportation Management Center	\$39,206	\$0	\$0	\$0	\$0
Moval / Riverside Intertie	\$51,284	\$0	\$0	\$0	\$0
Street Sweeping Program - PM10 and PM2.5 Reduction	\$191,793	\$0	\$0	\$0	\$0
Traffic Signal Coordination Program	\$25,311	\$0	\$0	\$0	\$0
WRCOG - Clean Cities Coalition	\$15,000	\$0	\$0	\$0	\$0
Murrieta					
City Fiber Communication Backbone Plans	\$172,450	\$0	\$0	\$0	\$0
Newport Beach					
Corporate Yard Fleet Shop CNG Modification	\$25,781	\$0	\$0	\$0	\$6,052
Employee Rideshare Program	\$6,188	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Norco					
	\$0	\$0	\$0	\$0	\$0
Norwalk					
Audit fees	\$2,000	\$0	\$0	\$0	\$0
City Employee Commuter Program	\$30,000	\$0	\$0	\$0	\$0
City Mass Notification System and Online Billing	\$12,590	\$0	\$0	\$0	\$0
Cleaner Fuel Street Sweeping Contract	\$87,564	\$0	\$0	\$0	\$547,936
COG Sponsored Project	\$6,500	\$0	\$0	\$0	\$5,517
I-5 Consortium Cities JPA	\$13,284	\$0	\$0	\$0	\$23,316
Purchase of Hybrid Vehicle	\$28,648	\$0	\$0	\$0	\$0
Ontario					
Omnitrans College Pass Program	\$40,830	\$0	\$0	\$0	\$0
Rideshare	\$13,176	\$0	\$0	\$0	\$0
Upgrade CNG Fueling Station	\$69,623	\$0	\$0	\$0	\$0
Orange (City)					
Bike Loan to Own	\$380	\$0	\$0	\$0	\$0
Orange Police Bike Team	\$4,131	\$0	\$0	\$0	\$0
Trip Reduction Program	\$131,530	\$0	\$0	\$0	\$0
Palm Desert					
Regional PM10 Street Sweeping Program	\$36,962	\$0	\$0	\$0	\$0
Ride Share Program	\$2,011	\$0	\$0	\$0	\$0
Palm Springs					
Employer Based Trip Reduction	\$22,580	\$0	\$0	\$0	\$0
Regional PM10 Street Sweeping Program	\$33,870	\$0	\$0	\$0	\$0
Palos Verdes Estates					
	\$0	\$0	\$0	\$0	\$0
Paramount					
Purchase of Hybrid Vehicles (passenger vehicle)	\$41,187	\$0	\$0	\$0	\$0
Purchase of Hybrid Vehicles (pick-up truck)	\$36,611	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Pasadena					
FoldNGo	\$6,532	\$0	\$0	\$0	\$26,130
Prideshare	\$167,731	\$0	\$0	\$0	\$277,993
Perris					
Employee Carpool Reimbursement	\$209	\$0	\$0	\$0	\$0
Hybrid Vehicles	\$86,461	\$0	\$0	\$0	\$0
Mounted Posse	\$5,451	\$0	\$0	\$0	\$0
Pico Rivera					
	\$0	\$0	\$0	\$0	\$0
Placentia					
General Plan Update	\$25,130	\$0	\$0	\$0	\$0
Kraemer Bus Pad	\$34,015	\$0	\$0	\$0	\$0
Redesign City Website	\$19,025	\$0	\$0	\$0	\$0
Traffic Model & Fee Program	\$38,045	\$0	\$0	\$0	\$0
Transit Services	\$10,911	\$0	\$0	\$0	\$0
Web Hosting Update	\$6,600	\$0	\$0	\$0	\$0
Pomona					
COG Sponsored Projects	\$13,500	\$0	\$0	\$0	\$0
On Road Motor Vehicle Mitigation	\$3,602	\$0	\$0	\$0	\$0
Purchase of Alternative Fuel Vehicle	\$43,618	\$0	\$0	\$0	\$0
Purchase of Particulate Matter Reduction Devices	\$40,473	\$0	\$0	\$0	\$0
Rancho Cucamonga					
Alternative Fuel Vehicle Purchase	\$51,321	\$0	\$0	\$0	\$0
Alternative Fuel Vehicle Purchase	\$61,954	\$0	\$0	\$0	\$0
College Pass Program	\$91,545	\$0	\$0	\$0	\$0
Electric Vehicle Purchase	\$33,420	\$0	\$0	\$0	\$0
Employer Ride Share Program	\$40,088	\$0	\$0	\$0	\$0
Rancho Mirage					
Regional PM10 Street Sweeping Program	\$13,141	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Rancho Palos Verdes					
	\$0	\$0	\$0	\$0	\$0
Rancho Santa Margarita					
Crosswalk Bulb-Out Installation	\$33,125	\$0	\$0	\$0	\$0
Robinson Ranch Traffic Calming	\$16,900	\$0	\$0	\$0	\$0
Traffic Signal Synchronization	\$2,881	\$0	\$0	\$0	\$0
Redlands					
College Bus Pass Pilot Program 2011-12	\$15,000	\$0	\$0	\$0	\$0
Redondo Beach					
Employee Rideshare	\$61,316	\$0	\$0	\$0	\$0
Rialto					
Go Smart Pilot Program	\$51,375	\$0	\$0	\$0	\$0
Rideshare	\$76,235	\$0	\$0	\$0	\$0
Riverside (City)					
Alternative Fuel Vehicle Rebate Program	\$66,000	\$0	\$0	\$0	\$0
Bicycle Program	\$17,236	\$0	\$0	\$0	\$0
Bicycle Program	\$27,295	\$0	\$0	\$0	\$0
Electric Vehicle Charging Infrastructure	\$60,369	\$0	\$0	\$0	\$0
PM Paving Projects	\$45,000	\$0	\$0	\$0	\$0
Riverside City Pass Program	\$14,880	\$0	\$0	\$0	\$0
Riverside Go Transit Program	\$105,873	\$0	\$0	\$0	\$0
Rule 2202 On-Road Motor Vehicle Mitigation Compliance	\$1,200	\$0	\$0	\$0	\$0
Traffic Timing and Coordination	\$25,000	\$0	\$0	\$0	\$0
WRCOG Clean Cities Coalition	\$25,000	\$0	\$0	\$0	\$0
Rolling Hills Estates					
Councils of Governments Annual Dues	\$6,685	\$0	\$0	\$0	\$0
Rosemead					
Parking Lot Renovation and Expansion	\$64,259	\$0	\$0	\$0	\$0
Purchase of one 2009 Ford Escape Hybrid SUV	\$24,170	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
San Bernardino (City)					
Alternative Fuel Purchase	\$30,000	\$0	\$0	\$0	\$0
Employee Rideshare Program	\$93,334	\$0	\$0	\$0	\$5,200
Go Smart College Student Free Ride Pilot Program	\$141,765	\$0	\$0	\$0	\$0
Misc Traffic Engineering	\$40,000	\$0	\$0	\$0	\$0
San Clemente					
Bike and Pedestrian Master Plan	\$5,645	\$0	\$0	\$0	\$0
San Dimas					
Rav 4 Vehicle Leases (3 Electric Vehicles)	\$15,672	\$0	\$0	\$0	\$0
San Fernando					
	\$0	\$0	\$0	\$0	\$0
San Gabriel					
Electric Cart Purchase	\$9,991	\$0	\$0	\$0	\$0
Purchase of Alternative Fuel Vehicles	\$40,000	\$0	\$0	\$0	\$0
San Jacinto					
	\$0	\$0	\$0	\$0	\$0
San Juan Capistrano					
Traffic Studies and Engineering	\$139	\$0	\$0	\$0	\$0
San Marino					
	\$0	\$0	\$0	\$0	\$0
Santa Ana					
Climate Action Plan	\$14,025	\$0	\$0	\$0	\$0
Employer Based Trip Reduction Program	\$191,918	\$0	\$0	\$0	\$0
General Plan Circulation Element Update	\$38,605	\$0	\$0	\$0	\$0
Go Local / Fixed Guideway Plan	\$11,145	\$0	\$0	\$0	\$0
Harbor Boulevard Transit Corridor	\$37,653	\$0	\$0	\$0	\$0
Transit Zoning Code	\$18,353	\$0	\$0	\$0	\$0
Santa Clarita					
Bike Rack	\$3,696	\$0	\$0	\$0	\$0
Bike To Work	\$2,709	\$0	\$0	\$0	\$0
Climate Action Plan	\$37,625	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Santa Clarita (cont'd)					
New Bus Purchase	\$165,247	\$0	\$0	\$0	\$0
RIDESHARE	\$7,025	\$0	\$0	\$0	\$0
Santa Fe Springs					
Norwalk/Santa Fe Springs Transportation Center Shuttle	\$20,636	\$0	\$0	\$0	\$86,887
Santa Monica					
CNG Station Upgrade	\$102,973	\$0	\$0	\$0	\$0
Electric Vehicle Chargers	\$8,385	\$0	\$0	\$0	\$0
Electric Vehicle Leases	\$90,873	\$0	\$0	\$0	\$0
Electric Vehicle Purchases	\$60,000	\$0	\$0	\$0	\$0
Public Education: AltCar Expo	\$10,000	\$0	\$0	\$0	\$0
Seal Beach					
Transportation Program-#44	\$32,228	\$0	\$0	\$0	\$0
Sierra Madre					
	\$0	\$0	\$0	\$0	\$0
Signal Hill					
Gateway Cities Trans Assessment	\$2,488	\$0	\$0	\$0	\$0
South El Monte					
Bus Pass Program	\$8,765	\$0	\$0	\$0	\$0
Go Rio Transportation Program	\$1,500	\$0	\$0	\$0	\$0
South Gate					
Air Quality Research, Planning and Development	\$1,464	\$0	\$0	\$0	\$0
Electric Vehicle Lease	\$22,582	\$0	\$0	\$0	\$0
Employer Rideshare Program	\$2,680	\$0	\$0	\$0	\$0
Propane Fuel Infrastructure	\$2,869	\$0	\$0	\$0	\$0
Vehicle Modification of Reduce Emission	\$28,854	\$0	\$0	\$0	\$0
Vehicle Modification or reduce emission	\$12,728	\$0	\$0	\$0	\$0
South Pasadena					
	\$0	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Stanton					
Alternative Commute Incentive	\$2,005	\$0	\$0	\$0	\$0
Purchase of Electric City Vehicle	\$56,265	\$0	\$0	\$0	\$0
Van Transportation	\$4,600	\$0	\$0	\$0	\$0
Temecula					
Pedestrian Bicycle Bridge Over Santa Gertrudis Creek to CHS	\$478,698	\$0	\$0	\$0	\$0
Route 55 Temecula Trolley Service	\$16,361	\$0	\$0	\$0	\$0
WRCOG Clean Cities Coalition Air Quality	\$10,000	\$0	\$0	\$0	\$0
Temple City					
Purchase of three hybrid vehicles and accessories	\$91,846	\$0	\$0	\$0	\$0
Torrance					
Employee Trip Reduction Program	\$164,358	\$0	\$0	\$0	\$0
Tustin					
Rail Station Parking Structure Maintenance	\$2,802	\$0	\$0	\$0	\$0
Upland					
RideShare	\$41,953	\$0	\$0	\$0	\$0
Street Sweeper	\$18,785	\$0	\$0	\$0	\$0
Villa Park					
Public Works Fueling Station	\$816	\$0	\$0	\$0	\$0
School Site Traffic Calming	\$16,041	\$0	\$0	\$0	\$0
Walnut					
E-Z Pass bus and Metro Link fare subsidies	\$7,544	\$0	\$0	\$0	\$0
West Covina					
Air Quality Investment Program (AQIP)	\$6,536	\$0	\$0	\$0	\$0
Electric Vehicle Charging Station	\$271	\$0	\$0	\$0	\$0
Employee Rideshare Program	\$14,370	\$0	\$0	\$0	\$0
West Hollywood					
Bicycle Parking Facilities	\$7,298	\$0	\$0	\$0	\$0
Employee Alternative Mode Incentive Program	\$6,020	\$0	\$0	\$0	\$0
Westlake Village					
	\$0	\$0	\$0	\$0	\$0

Project Name	MV Fees	MSRC	CMAQ	Moyer	CoFunding
Westminster					
Online Document Submission Website Upgrade	\$19,018	\$0	\$0	\$0	\$0
Rideshare Program	\$20,071	\$0	\$0	\$0	\$0
Vanpool Program	\$65,305	\$0	\$0	\$0	\$0
Whittier					
Air Quality Investment Program	\$504	\$0	\$0	\$0	\$0
Employee Rideshare	\$9,701	\$0	\$0	\$0	\$0
Gateway Cities COG Sponsored Projects	\$11,497	\$0	\$0	\$0	\$0
Go Rio Bus Pass Program	\$9,268	\$0	\$0	\$0	\$0
Greenway Bicycle Trail	\$394	\$0	\$0	\$0	\$0
Website	\$10,000	\$0	\$0	\$0	\$0
Wildomar					
	\$0	\$0	\$0	\$0	\$0
Yorba Linda					
Fleet Vehicle Replacement Program	\$102,000	\$0	\$0	\$0	\$0
Yucaipa					
12th and 13th Streets Curb, Gutter, Sidewalk	\$2,025	\$0	\$0	\$0	\$0
12th Street Curb, Gutter, Sidewalk	\$36,945	\$0	\$0	\$0	\$0
13th Street Curb, Gutter, Sidewalk	\$8,332	\$0	\$0	\$0	\$0
6th Street Curb, Gutter, Sidewalk	\$10,407	\$0	\$0	\$0	\$0
College Free Pass	\$34,725	\$0	\$0	\$0	\$0
Totals	\$18,988,787	\$250,000	\$0	\$13,711	\$28,114,898

Percent of Project Expenditures by Project Category

Fiscal Year 2011-2012

Project Category	Project Expenditures	Percent of Total Project Expenditures	Number of Projects
(6) Transportation Demand Management	\$5,771,404	30%	82
(1) Alternative Fuels/Electric Vehicles	\$5,239,686	28%	63
(5) Traffic Management	\$2,233,781	12%	29
(4) Public Transportation (Transit & Rail)	\$1,993,982	11%	50
(3) Land Use	\$1,201,435	6%	25
(8) Bicycles	\$963,714	5%	23
(9) PM10 Reduction Strategies	\$751,078	4%	15
(11) Miscellaneous Projects	\$318,453	2%	19
(10) Public Education	\$273,308	1%	5
(2) Vehicle Emissions Abatement	\$241,946	1%	7
	\$18,988,787	100%	318

Average Cost-Effectiveness by Project

Fiscal Year 2011-2012

Project Category	Project Name	MV Fee	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5+CO/7	Cost- Effectiveness (\$/lb)	
(1) Alternative Fuels/Electric Vehicles						
(1a) Alternative Fuel Vehicle Purchases						
<i>Upland</i>	Street Sweeper	\$18,785	\$2,202	1,124	\$1.96	
<i>Hawthorne</i>	Street Sweeping	\$100,000	\$10,046	3,425	\$2.93	
<i>Arcadia</i>	Purchase of One CNG Fuel Powered Street Sweeper	\$100,000	\$11,723	1,150	\$10.19	
<i>Artesia</i>	Purchase Hybrid Vehicle	\$28,282	\$2,841	85	\$33.27	
<i>Indian Wells</i>	Purchase of one CNG Ford Crown Vic for use by City	\$985	\$140	2	\$67.28	
<i>Corona</i>	Alternative Fuel Vehicle Rebate Program (34 rebates)	\$65,940	\$67,918	887	\$76.55	
<i>Calabasas</i>	Alternative Fuel Fleet lease of 9 vehicles	\$36,107	\$5,144	55	\$93.63	
<i>Lomita</i>	CNG Street Sweeping Services	\$15,000	\$1,507	16	\$96.84	
<i>Fullerton</i>	Lease of 3 Alternative Fuel Vehicles	\$14,216	\$2,025	16	\$124.73	
<i>Temple City</i>	Purchase of three hybrid vehicles and accessories	\$91,846	\$13,084	52	\$249.92	
<i>Los Angeles (City)</i>	#1 Alt Fuel Purchase of 5 new 2012 Sewer Truck CNG	\$125,000	\$13,510	624	\$21.64	
<i>Rancho Cucamonga</i>	Alternative Fuel Vehicle Purchase	\$61,954	\$7,263	14	\$536.78	
<i>Los Angeles (City)</i>	#2 Purchase 40 Alt Fuel Collection Vehicles & Support	\$1,200,000	\$140,677	2,179	\$64.55	
<i>San Gabriel</i>	Purchase of Alternative Fuel Vehicles	\$40,000	\$4,018	6	\$701.45	
<i>Lakewood</i>	Purchase 2 Honda CNG	\$56,482	\$8,046	11	\$702.49	
<i>Yorba Linda</i>	Fleet Vehicle Replacement Program	\$102,000	\$16,372	23	\$714.69	
<i>Norwalk</i>	Purchase of Hybrid Vehicle	\$28,648	\$4,081	6	\$723.33	
<i>Rancho Cucamonga</i>	Alternative Fuel Vehicle Purchase	\$51,321	\$6,016	8	\$741.09	
<i>Fountain Valley</i>	Replacement of 4 City vehicles with hybrid vehicles	\$150,877	\$21,493	23	\$938.27	
<i>Los Angeles (City)</i>	Alt Fuel Purchase #3 13 Elgin 2011 CNG Broombear	\$325,000	\$46,298	625	\$74.03	
<i>Paramount</i>	Purchase of Hybrid Vehicles (passenger vehicle)	\$41,187	\$5,867	6	\$966.54	
<i>Cypress</i>	Purchase of Hybrid Vehicle	\$85,000	\$8,539	7	\$1,182.86	
<i>Rosemead</i>	Purchase of one 2009 Ford Escape Hybrid SUV	\$24,170	\$3,443	2	\$1,486.85	
<i>Norwalk</i>	Cleaner Fuel Street Sweeping Contract	\$87,564	\$10,265	32	\$322.85	
<i>Paramount</i>	Purchase of Hybrid Vehicles (pick-up truck)	\$36,611	\$4,292	2	\$2,349.65	
<i>Monterey Park</i>	T3 Motion Vehicles	\$26,095	\$2,622	1	\$2,975.26	
<i>Pomona</i>	Purchase of Alternative Fuel Vehicle	\$43,618	\$4,382	1	\$3,459.84	
<i>Lakewood</i>	Purchase CNG Truck	\$49,337	\$5,784	1	\$4,566.73	
Subcategory Totals and Average cost-effectiveness:		Subcategory Summary	\$3,006,026	\$429,600	10,385	\$41.37

Project Category	Project Name	MV Fee	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5+CO/7	Cost- Effectiveness (\$/lb)	
(1b) Alternative Fuel Vehicle Conversions						
<i>Irvine</i>	Pickup CNG Conversion	\$14,800	\$1,735	24	\$73.27	
<i>Irvine</i>	Flatbed CNG Conversion	\$15,000	\$1,758	2	\$872.69	
Subcategory Totals and Average cost-effectiveness:		Subcategory Summary	\$29,800	\$3,493	26	\$135.95
(1c) Alternative Fuel Infrastructure (refueling, etc.)						
<i>San Bernardino (City)</i>	Alternative Fuel Purchase	\$30,000	\$30,900	764	\$40.47	
<i>Chino</i>	CNG Fueling Station Upgrade	\$348,993	\$60,176	25	\$2,411.73	
Subcategory Totals and Average cost-effectiveness:		Subcategory Summary	\$378,993	\$91,076	789	\$115.50
(1d) Electric Vehicle Purchases						
<i>San Gabriel</i>	Electric Cart Purchase	\$9,991	\$1,171	32	\$36.82	
<i>Santa Monica</i>	Electric Vehicle Leases	\$90,873	\$10,653	185	\$57.62	
<i>San Dimas</i>	Rav 4 Vehicle Leases (3 Electric Vehicles)	\$15,672	\$1,837	18	\$100.90	
<i>Rancho Cucamonga</i>	Electric Vehicle Purchase	\$33,420	\$3,918	19	\$211.19	
<i>Gardena</i>	Purchase 2 "Leaf" Nissan electric car, and charging	\$87,750	\$10,287	17	\$608.51	
<i>Santa Monica</i>	Electric Vehicle Purchases	\$60,000	\$7,034	6	\$1,254.10	
<i>Stanton</i>	Purchase of Electric City Vehicle	\$56,265	\$6,596	0	\$19,499.5	
Subcategory Totals and Average cost-effectiveness:		Subcategory Summary	\$353,972	\$41,496	276	\$150.18
		Category Summary	\$3,768,790	\$565,665	11,476	\$49.29
(2) Vehicle Emissions Abatement						
(2a) Off Road Veh Cleaner Diesel Purchases, Repowers, & Retrofits						
<i>Chino</i>	Off Road Engine Retrofits for City Fleet Vehicles	\$13,711	\$3,215	2,323	\$1.38	
<i>Huntington Beach</i>	Loader Engine Repower	\$37,393	\$4,384	602	\$7.29	
Subcategory Totals and Average cost-effectiveness:		Subcategory Summary	\$51,104	\$7,598	2,925	\$2.60
		Category Summary	\$51,104	\$7,598	2,925	\$2.60

Project Category	Project Name	MV Fee	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5+CO/7	Cost- Effectiveness (\$/lb)
(4) Public Transportation (Transit & Rail)					
(4c) Transit Operations (new service, shuttles, fuel subsidies)					
Anaheim	Canyon Downtown Program	\$83,022	\$85,512	6,404	\$13.35
Huntington Beach	Shuttle Service	\$83,034	\$9,734	322	\$30.20
Temecula	Route 55 Temecula Trolley Service	\$16,361	\$1,371	13	\$104.11
Santa Fe Springs	Norwalk/Santa Fe Springs Transportation Center Shuttle	\$20,636	\$21,255	447	\$47.51
Seal Beach	Transportation Program-#44	\$32,228	\$33,195	68	\$490.15
La Habra	Shuttle Program	\$75,803	\$78,077	44	\$1,764.34
Glendora	Purchase of one 22-26 passenger CNG fueled bus	\$135,260	\$13,589	7	\$1,994.33
Duarte	Shuttle Services	\$7,610	\$7,838	3	\$3,040.00
Subcategory Totals and Average cost-effectiveness: Subcategory Summary		\$453,953	\$250,570	7,308	\$34.29
(4d) Passenger Fare Subsidies					
Montclair	College Free Pass Pilot Program with Omnitrans	\$7,350	\$7,570	40,062	\$0.19
County of San Bernardino	Go Smart College Student Free Ride Pilot Program	\$8,000	\$8,240	15,080	\$0.55
El Monte	Rio Hondo Bus Passes	\$2,500	\$2,575	1,445	\$1.78
Monrovia	Discount Bus Passes	\$4,526	\$4,662	2,560	\$1.82
Grand Terrace	Omnitrans - College Pass Pilot Program	\$5,775	\$388	206	\$1.89
Highland	Go Smart College Student Free Ride Pilot Program	\$12,000	\$12,360	6,489	\$1.90
San Bernardino (City)	Go Smart College Student Free Ride Pilot Program	\$141,765	\$146,018	64,430	\$2.27
Fontana	Omnitrans Pilot Program	\$93,165	\$95,960	30,663	\$3.13
Azusa	Metrolink Subsidy Program	\$1,897	\$1,954	568	\$3.44
Yucaipa	College Free Pass	\$34,725	\$35,767	4,504	\$7.94
Ontario	Omnitrans College Pass Program	\$40,830	\$42,055	3,759	\$11.19
Loma Linda	College Pass Pilot Program	\$12,180	\$12,545	1,100	\$11.40
Whittier	Go Rio Bus Pass Program	\$9,268	\$9,546	825	\$11.57
Corona	Corona Cruiser Bus Passenger Fare Subsidy	\$10,512	\$10,827	415	\$26.12
Riverside (City)	Riverside Go Transit Program	\$105,873	\$12,412	418	\$29.70
Chino	College Free Pass Program	\$18,375	\$18,926	434	\$43.61
Montclair	Metrolink Passes	\$1,080	\$1,112	24	\$46.03
Laguna Beach	Main Line Service during the Summer	\$14,051	\$14,473	266	\$54.43
Covina	Commuter Choice Reimbursement Program	\$6,665	\$6,865	124	\$55.46

Project Category	Project Name	MV Fee	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5+CO/7	Cost- Effectiveness (\$/lb)	
(4d) Passenger Fare Subsidies (cont'd)						
Claremont	City Employee Trip Reduction Program	\$2,400	\$2,472	40	\$61.78	
Anaheim	Metrolink OCTA	\$136,474	\$140,568	2,614	\$53.77	
Laguna Beach	Ride to Work Bus Pass Program	\$13,875	\$14,291	208	\$68.57	
Redlands	College Bus Pass Pilot Program 2011-12	\$15,000	\$15,450	223	\$69.43	
Rancho Cucamonga	College Pass Program	\$91,545	\$94,291	1,289	\$73.17	
Los Angeles (City)	Commute Options (Transit-Rail or Bus)	\$239,486	\$246,671	21,970	\$11.23	
Riverside (City)	Riverside City Pass Program	\$14,880	\$15,326	148	\$103.43	
South El Monte	Go Rio Transportation Program	\$1,500	\$1,545	6	\$266.33	
South El Monte	Bus Pass Program	\$8,765	\$9,028	22	\$407.70	
Santa Clarita	RIDESHARE	\$7,025	\$7,236	10	\$757.73	
Subcategory Totals and Average cost-effectiveness:		Subcategory Summary	\$1,061,487	\$991,133	199,900	\$4.96
		Category Summary	\$1,515,439	\$1,241,704	207,208	\$5.99
(5) Traffic Management						
(5a) Traffic Calming						
Costa Mesa	Broadway Traffic Calming	\$1,355	\$136	34	\$4.03	
Rancho Santa Margarita	Crosswalk Bulb-Out Installation	\$33,125	\$2,227	2	\$1,117.17	
Rancho Santa Margarita	Robinson Ranch Traffic Calming	\$16,900	\$1,136	0	\$2,497.37	
Subcategory Totals and Average cost-effectiveness:		Subcategory Summary	\$51,380	\$3,499	36	\$96.67
(5b) Traffic Flow or Signalization (timing, surveillance)						
Laguna Niguel	Traffic Signal Coordination	\$43,171	\$2,902	181,271	\$0.02	
Lake Elsinore	Traffic Signal Coordination Program	\$10,720	\$2,341	21,447	\$0.11	
Diamond Bar	Diamond Bar Intelligent Transportation System (DBITS)	\$51,885	\$11,329	62,056	\$0.18	
Loma Linda	Signal Coordination	\$4,800	\$1,048	3,184	\$0.33	
Los Angeles (City)	ATSAC Control Center	\$1,351,477	\$1,392,021	10,155,429	\$0.14	
Highland	Signal Synchronization	\$19,660	\$4,293	3,313	\$1.30	
Agoura Hills	Internet Connection for Signal Synchronization	\$16,506	\$3,604	1,433	\$2.51	
Moreno Valley	Traffic Signal Coordination Program	\$25,311	\$5,527	1,833	\$3.02	
Lake Elsinore	Traffic Signal Upgrade	\$18,743	\$4,093	1,077	\$3.80	
Murrieta	City Fiber Communication Backbone Plans	\$172,450	\$11,591	2,371	\$4.89	
Costa Mesa	Signal/CCTV Improvement Project	\$87,366	\$19,077	1,617	\$11.79	

Project Category	Project Name	MV Fee	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5+CO/7	Cost- Effectiveness (\$/lb)	
(5b) Traffic Flow or Signalization (timing, surveillance) (cont'd)						
Claremont	City Employee Trip Reduction Program	\$2,400	\$2,472	40	\$61.78	
Anaheim	Metrolink OCTA	\$136,474	\$140,568	2,614	\$53.77	
Laguna Beach	Ride to Work Bus Pass Program	\$13,875	\$14,291	208	\$68.57	
Redlands	College Bus Pass Pilot Program 2011-12	\$15,000	\$15,450	223	\$69.43	
(5c) Alternate Mode Signalization (transit/bike pre-emption)						
Costa Mesa	Gisler Avenue In-pavement Flashing X-walk	\$10,000	\$1,005	21	\$47.84	
Subcategory Totals and Average cost-effectiveness:		Subcategory Summary	\$10,000	\$1,005	21	\$47.84
		Category Summary	\$1,927,675	\$1,471,727	10,436,654	\$0.14
(6) Transportation Demand Management						
(6a) Employer-Based Trip Reduction						
Long Beach	Rule 2202 Compliance	\$754	\$76	1,634	\$0.05	
County of LA	Trip Reduction Plan Incentive; Countywide-No Civic	\$306,400	\$315,592	392,161	\$0.80	
La Verne	Bike, Carpool, Walk Incentive Program	\$9,268	\$9,546	4,435	\$2.15	
Pomona	On Road Motor Vehicle Mitigation	\$3,602	\$3,710	1,481	\$2.51	
County of Orange	Employee Rideshare Program	\$35,000	\$36,050	69,783	\$0.52	
Bell Gardens	Alternative Transportation Program	\$296	\$305	77	\$3.94	
Whittier	Air Quality Investment Program	\$504	\$519	114	\$4.55	
Monrovia	Clean Air Program (FY 11-12)	\$4,935	\$5,083	875	\$5.81	
Newport Beach	Employee Rideshare Program	\$6,188	\$6,373	975	\$6.54	
Irvine	Rule 2202 Compliance	\$504	\$519	76	\$6.79	
West Covina	Air Quality Investment Program (AQIP)	\$6,536	\$6,732	601	\$11.20	
County of LA	Trip Reduction Plan Incentive-Civic Center	\$932,267	\$960,235	84,905	\$11.31	
Anaheim	Trip Reduction Program	\$52,272	\$53,840	5,120	\$10.52	
Los Angeles (City)	Commute Services Office (Carpool)	\$47,471	\$48,895	19,802	\$2.47	
Covina	Commuter Rideshare Program	\$1,821	\$1,875	149	\$12.58	
Ontario	Rideshare	\$13,176	\$13,571	985	\$13.78	
Gardena	Gardena Employee Rideshare - Rule 2202 Compliance	\$25,102	\$25,855	1,493	\$17.32	
County of San Bernardino	Employee Commute Reduction Program	\$164,070	\$168,993	9,497	\$17.79	
San Bernardino (City)	Employee Rideshare Program	\$93,334	\$96,134	5,631	\$17.07	
Huntington Beach	Employee Rideshare/Alternate Commute	\$30,717	\$3,601	187	\$19.21	
Torrance	Employee Trip Reduction Program	\$164,358	\$169,289	8,284	\$20.44	
Glendora	ALTCOM-Rideshare Program	\$16,500	\$16,995	727	\$23.37	

Project Category	Project Name	MV Fee	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5+CO/7	Cost- Effectiveness (\$/lb)
(6a) Employer-Based Trip Reduction (cont'd)					
<i>Whittier</i>	Employee Rideshare	\$9,701	\$9,992	425	\$23.50
<i>Glendale</i>	Employer Based Trip Reduction Program	\$241,447	\$248,691	10,273	\$24.21
<i>West Hollywood</i>	Employee Alternative Mode Incentive Program	\$6,020	\$6,201	235	\$26.43
<i>West Covina</i>	Employee Rideshare Program	\$14,370	\$14,801	471	\$31.45
<i>Montebello</i>	Employee Commute Reduction Program	\$37,249	\$38,366	1,134	\$33.83
<i>Baldwin Park</i>	Employee Transportation Program	\$9,304	\$9,583	268	\$35.73
<i>Monterey Park</i>	Employee Transportation Program	\$23,942	\$24,661	689	\$35.80
<i>Compton</i>	Rideshare	\$49,049	\$50,520	1,303	\$38.78
<i>Burbank</i>	Burbank Commuter Program	\$120,832	\$124,457	3,194	\$38.97
<i>Rancho Cucamonga</i>	Employer Ride Share Program	\$40,088	\$41,291	971	\$42.54
<i>Orange (City)</i>	Trip Reduction Program	\$131,530	\$135,476	3,006	\$45.06
<i>Redondo Beach</i>	Employee Rideshare	\$61,316	\$63,155	1,333	\$47.39
<i>Norwalk</i>	City Employee Commuter Program	\$30,000	\$30,900	648	\$47.70
<i>Cerritos</i>	Employee Rideshare Trip Rebate Program	\$37,205	\$38,321	738	\$51.93
<i>Palm Springs</i>	Employer Based Trip Reduction	\$22,580	\$23,258	319	\$72.82
<i>Pasadena</i>	Prideshare	\$167,731	\$172,763	6,290	\$27.47
<i>Hermosa Beach</i>	AQMD Incentives to reduce auto trips	\$390	\$402	5	\$85.27
<i>Arcadia</i>	Rideshare Plus Program	\$20,889	\$21,516	231	\$93.17
<i>El Monte</i>	Transportation Demand Management	\$54,561	\$56,197	583	\$96.43
<i>Montclair</i>	Gas & Car Wash carpool	\$17,428	\$17,951	179	\$100.30
<i>County of Riverside</i>	Rideshare	\$511,675	\$527,025	5,068	\$103.99
<i>Manhattan Beach</i>	Employee Rideshare Program	\$9,318	\$9,598	81	\$118.01
<i>Santa Ana</i>	Employer Based Trip Reduction Program	\$191,918	\$197,676	1,637	\$120.74
<i>Stanton</i>	Alternative Commute Incentive	\$2,005	\$2,065	15	\$136.29
<i>Carson</i>	Breathe-Employee Ride Share Program	\$65,835	\$67,810	486	\$139.59
<i>Corona</i>	City of Corona Carpool Program	\$85,397	\$87,959	609	\$144.36
<i>Rialto</i>	Rideshare	\$76,235	\$78,522	476	\$165.12
<i>Downey</i>	Downey Employees "Thumbs Up" Commuting Program	\$140,610	\$144,828	575	\$252.01
<i>Garden Grove</i>	Employee Based Trip Reduction Program	\$257,490	\$265,215	983	\$269.88
<i>Upland</i>	RideShare	\$41,953	\$43,212	153	\$282.82
<i>Palm Desert</i>	Ride Share Program	\$2,011	\$2,071	5	\$409.02
<i>Perris</i>	Employee Carpool Reimbursement	\$209	\$215	0	\$994.63
Subcategory Totals and Average cost-effectiveness: Subcategory Summary		\$4,395,361	\$4,498,484	651,373	\$6.91

Project Category	Project Name	MV Fee	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5+CO/7	Cost- Effectiveness (\$/lb)
(6b) Other Trip Reduction Incentive Programs					
Anaheim	Rail Feeder Pool Vehicles	\$1,357	\$1,398	232	\$6.02
Los Angeles (City)	Commute Services Office (Bicycle/Walk Subsidy)	\$9,979	\$671	307	\$2.18
Westminster	Rideshare Program	\$20,071	\$20,673	951	\$21.74
Hawthorne	Rideshare Incentives	\$3,840	\$3,955	159	\$24.90
Azusa	Rideshare	\$18,655	\$19,215	349	\$55.13
Irvine	Irvine Spectrum Transportation Management Association	\$2,363	\$2,433	12	\$197.08
Subcategory Totals and Average cost-effectiveness: Subcategory Summary		\$56,265	\$48,345	2,010	\$24.05
(6c) Vanpool Programs					
Stanton	Van Transportation	\$4,600	\$4,738	192	\$24.68
Los Angeles (City)	Commute Options Office (Vanpool)	\$459,894	\$473,691	20,449	\$23.16
Anaheim	Citywide Vanpool Program	\$53,193	\$54,789	611	\$89.69
Westminster	Vanpool Program	\$65,305	\$67,264	222	\$303.04
Subcategory Totals and Average cost-effectiveness: Subcategory Summary		\$582,992	\$600,482	21,474	\$27.96
(6e) Telecommunication					
Whittier	Website	\$10,000	\$1,172	278	\$4.21
Westminster	Online Document Submission Website Upgrade	\$19,018	\$4,153	115	\$36.08
Fullerton	Telecommunications Project	\$5,474	\$1,195	33	\$36.11
County of Riverside	Video Conferencing	\$127,089	\$27,750	340	\$81.67
Covina	Telecommuting Program - Materials and Software	\$6,078	\$6,260	15	\$419.55
Norwalk	City Mass Notification System and Online Billing	\$12,590	\$2,749	5	\$542.25
Diamond Bar	Transit Pass System	\$15,431	\$15,894	17	\$959.77
Subcategory Totals and Average cost-effectiveness: Subcategory Summary		\$195,680	\$59,174	803	\$73.71
		Category Summary	\$5,230,298	\$5,206,486	675,660
(8) Bicycles					
(8a) Bicycle Lanes and Trails (also bridges)					
Whittier	Greenway Bicycle Trail	\$394	\$26	601	\$0.04
Yucaipa	12th and 13th Streets Curb, Gutter, Sidewalk	\$2,025	\$170	10	\$17.60
Fontana	Pacific Electric Trail Segments 3B & 4	\$114,571	\$9,597	116	\$82.99
Yucaipa	6th Street Curb, Gutter, Sidewalk	\$10,407	\$872	8	\$110.70

Project Category	Project Name	MV Fee	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5+CO/7	Cost- Effectiveness (\$/lb)
(8a) Bicycle Lanes and Trails (also bridges) (cont'd)					
Claremont	Citrus Regional Bikeway	\$57,793	\$4,841	38	\$126.01
Yucaipa	13th Street Curb, Gutter, Sidewalk	\$8,332	\$698	5	\$131.81
Costa Mesa	Joann Street Bike Trail	\$52,323	\$4,383	29	\$149.60
Temecula	Pedestrian Bicycle Bridge Over Santa Gertrudis Creek to	\$478,698	\$32,176	130	\$247.30
Yucaipa	12th Street Curb, Gutter, Sidewalk	\$36,945	\$3,095	4	\$712.35
Subcategory Totals and Average cost-effectiveness: Subcategory Summary		\$761,488	\$55,858	942	\$59.32
(8c) Bicycle Usage (electric bikes, purchases, loaner projects)					
Orange (City)	Bike Loan to Own	\$380	\$38	37	\$1.03
Orange (City)	Orange Police Bike Team	\$4,131	\$415	39	\$10.73
Los Angeles (City)	LAPD Purchase of 80 Bicycles for Bike Patrol Program	\$97,718	\$11,456	706	\$16.22
Santa Clarita	Bike To Work	\$2,709	\$2,790	9	\$321.42
Baldwin Park	Police Department Bicycle Patrol Program	\$1,632	\$1,681	0	\$9,541.15
Subcategory Totals and Average cost-effectiveness: Subcategory Summary		\$106,570	\$16,380	791	\$20.71
Category Summary		\$868,058	\$72,238	1,732	\$41.70
(9) PM10 Reduction Strategies					
(9a) Road Dust Control (paving roads, shoulders, street sweeping)					
Moreno Valley	Street Sweeping Program - PM10 and PM2.5 Reduction	\$191,793	\$197,547	89,154	\$2.22
El Monte	Regional PM10 Street Sweepers Contract (2 Vehicles)	\$100,000	\$11,723	825	\$14.21
Indio	City Street Sweeping Program	\$55,853	\$57,528	612	\$94.00
Coachella	CVAG Regional PM10 Street Sweeping Program	\$29,237	\$30,114	201	\$149.75
Indio	Regional PM10 Street Sweeping Program	\$58,078	\$59,821	374	\$159.95
La Quinta	Regional PM10 Street Sweeping Program	\$28,482	\$29,336	183	\$159.96
Palm Desert	Regional PM10 Street Sweeping Program	\$36,962	\$38,071	238	\$159.96
Rancho Mirage	Regional PM10 Street Sweeping Program	\$13,141	\$13,536	85	\$160.00
Cathedral City	Regional PM10 Street Sweeping Program	\$38,835	\$40,000	250	\$160.00
Palm Springs	Regional PM10 Street Sweeping Program	\$33,870	\$34,886	218	\$160.03
Indian Wells	Regional PM10 Street Sweeping Program	\$3,902	\$4,019	24	\$165.39
Desert Hot Springs	Regional PM10 Street Sweeping Program	\$26,737	\$27,539	133	\$207.53

Project Category	Project Name	MV Fee	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5+CO/7	Cost- Effectiveness (\$/lb)
(9a) Road Dust Control (paving roads, shoulders, street sweeping) (cont'd)					
<i>County of Riverside</i>	CVAG Regional PM 10 Street Sweeping	\$38,041	\$39,182	704	\$55.66
Subcategory Totals and Average cost-effectiveness:					
	Subcategory Summary	\$654,932	\$583,303	93,001	\$6.27
	Category Summary	\$654,932	\$583,303	93,001	\$6.27
	Program Summary	\$14,016,296	\$9,148,720	11,428,656	\$0.80

*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 + PM10 + CO/7.
 Only those projects with cost-effectiveness greater than zero are included in this report.

Cost-Effectiveness of Funding by Project

Fiscal Year 2011-2012

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	Air Funds	ALL
(1) Alternative Fuels/Electric Vehicles					
<i>Arcadia</i>	Purchase of One CNG Fuel Powered	\$10.19	\$25.49	\$10.19	\$25.49
<i>Artesia</i>	Purchase Hybrid Vehicle	\$36.54	\$36.54	\$33.27	\$33.27
<i>Calabasas</i>	Alternative Fuel Fleet lease of 9 vehicles	\$442.61	\$442.61	\$93.63	\$93.63
<i>Chino</i>	CNG Fueling Station Upgrade	\$2,468.26	\$2,468.26	\$2,411.73	\$2,411.73
<i>Corona</i>	Alternative Fuel Vehicle Rebate	\$289.80	\$289.80	\$76.55	\$76.55
<i>Cypress</i>	Purchase of Hybrid Vehicle	\$1,182.86	\$1,182.86	\$1,182.86	\$1,182.86
<i>Fountain Valley</i>	Replacement of 4 City vehicles with	\$4,435.45	\$4,435.45	\$938.27	\$938.27
<i>Fullerton</i>	Lease of 3 Alternative Fuel Vehicles	\$1,276.98	\$1,276.98	\$124.73	\$124.73
<i>Gardena</i>	Purchase 2 "Leaf" Nissan electric car,	\$2,487.94	\$2,487.94	\$608.51	\$608.51
<i>Hawthorne</i>	Street Sweeping	\$4.36	\$4.36	\$2.93	\$2.93
<i>Indian Wells</i>	Purchase of one CNG Ford Crown Vic	\$668.73	\$668.73	\$67.28	\$67.28
<i>Irvine</i>	Pickup CNG Conversion	\$202.28	\$202.28	\$73.27	\$73.27
<i>Irvine</i>	Flatbed CNG Conversion	\$872.69	\$872.69	\$872.69	\$872.69
<i>Lakewood</i>	Purchase 2 Honda CNG	\$3,320.88	\$3,320.88	\$702.49	\$702.49
<i>Lakewood</i>	Purchase CNG Truck	\$4,566.73	\$4,566.73	\$4,566.73	\$4,566.73
<i>Lomita</i>	CNG Street Sweeping Services	\$179.01	\$179.01	\$96.84	\$96.84
<i>Los Angeles (City)</i>	#2 Purchase 40 Alt Fuel Collection	\$64.55	\$669.81	\$64.55	\$669.81
<i>Los Angeles (City)</i>	Alt Fuel Purchase #3 13 Elgin 2011	\$74.03	\$965.87	\$74.03	\$965.87
<i>Los Angeles (City)</i>	#1 Alt Fuel Purchase of 5 new 2012	\$21.64	\$441.23	\$21.64	\$441.23
<i>Monterey Park</i>	T3 Motion Vehicles	\$4,814.67	\$4,814.67	\$2,975.26	\$2,975.26
<i>Norwalk</i>	Purchase of Hybrid Vehicle	\$3,419.36	\$3,419.36	\$723.33	\$723.33
<i>Norwalk</i>	Cleaner Fuel Street Sweeping Contract	\$322.85	\$2,343.09	\$322.85	\$2,343.09
<i>Paramount</i>	Purchase of Hybrid Vehicles (passenger	\$4,569.09	\$4,569.09	\$966.54	\$966.54
<i>Paramount</i>	Purchase of Hybrid Vehicles (pick-up	\$24,055.98	\$24,055.98	\$2,349.65	\$2,349.65
<i>Pomona</i>	Purchase of Alternative Fuel Vehicle	\$3,459.84	\$3,459.84	\$3,459.84	\$3,459.84
<i>Rancho Cucamonga</i>	Alternative Fuel Vehicle Purchase	\$7,587.39	\$7,587.39	\$741.09	\$741.09
<i>Rancho Cucamonga</i>	Alternative Fuel Vehicle Purchase	\$5,495.63	\$5,495.63	\$536.78	\$536.78
<i>Rancho Cucamonga</i>	Electric Vehicle Purchase	\$994.81	\$994.81	\$211.19	\$211.19
<i>Rosemead</i>	Purchase of one 2009 Ford Escape	\$15,222.51	\$15,222.51	\$1,486.85	\$1,486.85

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	Air Funds	ALL
(1) Alternative Fuels/Electric Vehicles (cont'd)					
<i>San Bernardino (City)</i>	Alternative Fuel Purchase	\$40.82	\$40.82	\$40.47	\$40.47
<i>San Dimas</i>	Rav 4 Vehicle Leases (3 Electric	\$412.52	\$412.52	\$100.90	\$100.90
<i>San Gabriel</i>	Purchase of Alternative Fuel Vehicles	\$7,181.51	\$7,181.51	\$701.45	\$701.45
<i>San Gabriel</i>	Electric Cart Purchase	\$37.04	\$37.04	\$36.82	\$36.82
<i>Santa Monica</i>	Electric Vehicle Purchases	\$5,907.37	\$5,907.37	\$1,254.10	\$1,254.10
<i>Santa Monica</i>	Electric Vehicle Leases	\$271.40	\$271.40	\$57.62	\$57.62
<i>Stanton</i>	Purchase of Electric City Vehicle	\$199,638.1	\$199,638.1	\$19,499.54	\$19,499.54
<i>Temple City</i>	Purchase of three hybrid vehicles and	\$2,558.73	\$2,558.73	\$249.92	\$249.92
<i>Upland</i>	Street Sweeper	\$1.97	\$1.97	\$1.96	\$1.96
<i>Yorba Linda</i>	Fleet Vehicle Replacement Program	\$3,378.51	\$3,378.51	\$714.69	\$714.69
(2) Vehicle Emissions Abatement					
<i>Chino</i>	Off Road Engine Retrofits for City	\$1.46	\$2.38	\$1.38	\$2.25
<i>Huntington Beach</i>	Loader Engine Repower	\$7.29	\$7.29	\$7.29	\$7.29
(4) Public Transportation (Transit & Rail)					
<i>Anaheim</i>	Canyon Downtown Program	\$22.05	\$31.23	\$13.35	\$18.92
<i>Anaheim</i>	Metrolink OCTA	\$90.23	\$109.86	\$53.77	\$65.47
<i>Azusa</i>	Metrolink Subsidy Program	\$5.73	\$5.73	\$3.44	\$3.44
<i>Brea</i>	Brea Transportation Program	(\$1,276.14)	(\$1,276.14)	(\$720.37)	(\$720.37)
<i>Chino</i>	College Free Pass Program	\$71.51	\$71.51	\$43.61	\$43.61
<i>Claremont</i>	City Employee Trip Reduction Program	\$165.39	\$165.39	\$61.78	\$61.78
<i>Corona</i>	Corona Cruiser Bus Passenger Fare	\$42.50	\$42.50	\$26.12	\$26.12
<i>County of San</i>	Go Smart College Student Free Ride	\$0.96	\$0.96	\$0.55	\$0.55
<i>Covina</i>	Commuter Choice Reimbursement	\$91.74	\$91.74	\$55.46	\$55.46
<i>Duarte</i>	Shuttle Services	\$5,061.10	\$5,061.10	\$3,040.00	\$3,040.00
<i>El Monte</i>	Rio Hondo Bus Passes	\$2.98	\$2.98	\$1.78	\$1.78
<i>Fontana</i>	Omnitrans Pilot Program	\$5.84	\$5.84	\$3.13	\$3.13
<i>Glendora</i>	Purchase of one 22-26 passenger CNG	\$1,066.57	\$1,066.57	\$1,994.33	\$1,994.33
<i>Grand Terrace</i>	Omnitrans - College Pass Pilot Program	\$3.10	\$3.10	\$1.89	\$1.89
<i>Highland</i>	Go Smart College Student Free Ride	\$3.10	\$3.10	\$1.90	\$1.90
<i>Huntington Beach</i>	Shuttle Service	\$48.97	\$48.97	\$30.20	\$30.20
<i>La Habra</i>	Shuttle Program	\$1,762.94	\$1,762.94	\$1,764.34	\$1,764.34

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	Air Funds	ALL
(4) Public Transportation (Transit & Rail) (cont'd)					
<i>Laguna Beach</i>	Ride to Work Bus Pass Program	\$117.61	\$117.61	\$68.57	\$68.57
<i>Laguna Beach</i>	Main Line Service during the Summer	\$94.73	\$94.73	\$54.43	\$54.43
<i>Loma Linda</i>	College Pass Pilot Program	\$19.93	\$19.93	\$11.40	\$11.40
<i>Los Angeles (City)</i>	Commute Options (Transit-Rail or Bus)	\$18.64	\$128.37	\$11.23	\$77.31
<i>Monrovia</i>	Discount Bus Passes	\$3.05	\$3.05	\$1.82	\$1.82
<i>Montclair</i>	College Free Pass Pilot Program with	\$0.32	\$0.32	\$0.19	\$0.19
<i>Montclair</i>	Metrolink Passes	\$76.10	\$76.10	\$46.03	\$46.03
<i>Ontario</i>	Omnitrans College Pass Program	\$18.69	\$18.69	\$11.19	\$11.19
<i>Rancho Cucamonga</i>	College Pass Program	\$124.54	\$124.54	\$73.17	\$73.17
<i>Redlands</i>	College Bus Pass Pilot Program 2011-12	\$115.29	\$115.29	\$69.43	\$69.43
<i>Riverside (City)</i>	Riverside Go Transit Program	\$48.20	\$48.20	\$29.70	\$29.70
<i>Riverside (City)</i>	Riverside City Pass Program	\$167.89	\$167.89	\$103.43	\$103.43
<i>San Bernardino (City)</i>	Go Smart College Student Free Ride	\$4.23	\$4.23	\$2.27	\$2.27
<i>Santa Clarita</i>	RIDESHARE	\$1,265.76	\$1,265.76	\$757.73	\$757.73
<i>Santa Fe Springs</i>	Norwalk/Santa Fe Springs	\$75.93	\$395.65	\$47.51	\$247.57
<i>Seal Beach</i>	Transportation Program-#44	\$719.88	\$719.88	\$490.15	\$490.15
<i>South El Monte</i>	Bus Pass Program	\$669.56	\$669.56	\$407.70	\$407.70
<i>South El Monte</i>	Go Rio Transportation Program	\$451.81	\$451.81	\$266.33	\$266.33
<i>Temecula</i>	Route 55 Temecula Trolley Service	\$185.99	\$185.99	\$104.11	\$104.11
<i>Whittier</i>	Go Rio Bus Pass Program	\$19.45	\$19.45	\$11.57	\$11.57
<i>Yucaipa</i>	College Free Pass	\$14.84	\$14.84	\$7.94	\$7.94
(5) Traffic Management					
<i>Agoura Hills</i>	Internet Connection for Signal	\$4.07	\$4.07	\$2.51	\$2.51
<i>Costa Mesa</i>	Gisler Avenue In-pavement Flashing X-	\$77.28	\$77.28	\$47.84	\$47.84
<i>Costa Mesa</i>	Signal/CCTV Improvement Project	\$39.37	\$39.37	\$11.79	\$11.79
<i>Costa Mesa</i>	Broadway Traffic Calming	\$7.02	\$7.02	\$4.03	\$4.03
<i>Diamond Bar</i>	Diamond Bar Intelligent Transportation	\$0.33	\$0.33	\$0.18	\$0.18
<i>Highland</i>	Signal Synchronization	\$2.87	\$2.87	\$1.30	\$1.30
<i>Laguna Niguel</i>	Traffic Signal Coordination	\$0.02	\$0.02	\$0.02	\$0.02
<i>Lake Elsinore</i>	Traffic Signal Coordination Program	\$0.17	\$0.17	\$0.11	\$0.11
<i>Lake Elsinore</i>	Traffic Signal Upgrade	\$6.67	\$6.67	\$3.80	\$3.80
<i>Lake Forest</i>	Central Traffic Control Server (Centracs)	\$12.98	\$129.41	\$3.74	\$37.32
<i>Loma Linda</i>	Signal Coordination	\$0.53	\$0.53	\$0.33	\$0.33

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	Air Funds	ALL
(5) Traffic Management (cont'd)					
<i>Los Angeles (City)</i>	ATSAC Control Center	\$0.19	\$0.91	\$0.14	\$0.67
<i>Moreno Valley</i>	Moreno Valley Transportation	\$60.60	\$60.60	\$36.42	\$36.42
<i>Moreno Valley</i>	Traffic Signal Coordination Program	\$6.46	\$6.46	\$3.02	\$3.02
<i>Murrieta</i>	City Fiber Communication Backbone	\$15.68	\$15.68	\$4.89	\$4.89
<i>Rancho Santa Margarita</i>	Robinson Ranch Traffic Calming	\$4,507.72	\$4,507.72	\$2,497.37	\$2,497.37
<i>Rancho Santa Margarita</i>	Crosswalk Bulb-Out Installation	\$1,270.12	\$1,270.12	\$1,117.17	\$1,117.17
(6) Transportation Demand Management					
<i>Anaheim</i>	Rail Feeder Pool Vehicles	\$10.09	\$11.26	\$6.02	\$6.71
<i>Anaheim</i>	Trip Reduction Program	\$17.64	\$19.68	\$10.52	\$11.73
<i>Anaheim</i>	Citywide Vanpool Program	\$148.09	\$190.11	\$89.69	\$115.14
<i>Arcadia</i>	Rideshare Plus Program	\$155.64	\$155.64	\$93.17	\$93.17
<i>Azusa</i>	Rideshare	\$91.94	\$91.94	\$55.13	\$55.13
<i>Baldwin Park</i>	Employee Transportation Program	\$250.33	\$250.33	\$35.73	\$35.73
<i>Bell Gardens</i>	Alternative Transportation Program	\$6.60	\$6.60	\$3.94	\$3.94
<i>Burbank</i>	Burbank Commuter Program	\$65.38	\$65.38	\$38.97	\$38.97
<i>Carson</i>	Breathe-Employee Ride Share Program	\$231.66	\$231.66	\$139.59	\$139.59
<i>Cerritos</i>	Employee Rideshare Trip Rebate Program	\$86.75	\$86.75	\$51.93	\$51.93
<i>Compton</i>	Rideshare	\$65.07	\$65.07	\$38.78	\$38.78
<i>Corona</i>	City of Corona Carpool Program	\$240.89	\$240.89	\$144.36	\$144.36
<i>County of LA</i>	Trip Reduction Plan Incentive-Civic	\$17.42	\$17.42	\$11.31	\$11.31
<i>County of LA</i>	Trip Reduction Plan Incentive;	\$1.24	\$1.24	\$0.80	\$0.80
<i>County of Orange</i>	Employee Rideshare Program	\$1.45	\$9.99	\$0.52	\$3.56
<i>County of Riverside</i>	Rideshare	\$173.54	\$173.54	\$103.99	\$103.99
<i>County of Riverside</i>	Video Conferencing	\$134.34	\$134.34	\$81.67	\$81.67
<i>County of San</i>	Employee Commute Reduction Program	\$30.36	\$30.36	\$17.79	\$17.79
<i>Covina</i>	Telecommuting Program - Materials and	\$696.36	\$696.36	\$419.55	\$419.55
<i>Covina</i>	Commuter Rideshare Program	\$20.84	\$20.84	\$12.58	\$12.58
<i>Diamond Bar</i>	Transit Pass System	\$1,617.08	\$1,617.08	\$959.77	\$959.77
<i>Downey</i>	Downey Employees "Thumbs Up"	\$420.97	\$420.97	\$252.01	\$252.01
<i>El Monte</i>	Transportation Demand Management	\$161.08	\$161.08	\$96.43	\$96.43
<i>Fullerton</i>	Telecommunications Project	\$61.18	\$61.18	\$36.11	\$36.11
<i>Garden Grove</i>	Employee Based Trip Reduction	\$450.83	\$450.83	\$269.88	\$269.88
<i>Gardena</i>	Gardena Employee Rideshare - Rule	\$29.06	\$29.06	\$17.32	\$17.32

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	Air Funds	ALL
(6) Transportation Demand Management (cont'd)					
Glendale	Employer Based Trip Reduction	\$40.44	\$40.44	\$24.21	\$24.21
Glendora	ALTCOM-Rideshare Program	\$39.22	\$39.22	\$23.37	\$23.37
Hawthorne	Rideshare Incentives	\$42.63	\$42.63	\$24.90	\$24.90
Hermosa Beach	AQMD Incentives to reduce auto trips	\$137.68	\$137.68	\$85.27	\$85.27
Huntington Beach	Employee Rideshare/Alternate	\$31.18	\$31.18	\$19.21	\$19.21
Irvine	Rule 2202 Compliance	\$11.27	\$11.27	\$6.79	\$6.79
Irvine	Irvine Spectrum Transportation	\$327.11	\$327.11	\$197.08	\$197.08
La Verne	Bike, Carpool, Walk Incentive Program	\$3.55	\$3.55	\$2.15	\$2.15
Long Beach	Rule 2202 Compliance	\$0.05	\$0.05	\$0.05	\$0.05
Los Angeles (City)	Commute Services Office (Carpool)	\$4.10	\$19.92	\$2.47	\$12.00
Los Angeles (City)	Commute Options Office (Vanpool)	\$38.41	\$123.78	\$23.16	\$74.65
Los Angeles (City)	Commute Services Office	\$3.66	\$25.22	\$2.18	\$15.06
Manhattan Beach	Employee Rideshare Program	\$198.01	\$198.01	\$118.01	\$118.01
Monrovia	Clean Air Program (FY 11-12)	\$9.70	\$9.70	\$5.81	\$5.81
Montclair	Gas & Car Wash carpool	\$166.78	\$166.78	\$100.30	\$100.30
Montebello	Employee Commute Reduction Program	\$56.44	\$56.44	\$33.83	\$33.83
Monterey Park	Employee Transportation Program	\$59.42	\$59.42	\$35.80	\$35.80
Newport Beach	Employee Rideshare Program	\$10.92	\$10.92	\$6.54	\$6.54
Norwalk	City Mass Notification System and	\$894.68	\$894.68	\$542.25	\$542.25
Norwalk	City Employee Commuter Program	\$79.54	\$79.54	\$47.70	\$47.70
Ontario	Rideshare	\$23.03	\$23.03	\$13.78	\$13.78
Orange (City)	Trip Reduction Program	\$75.17	\$75.17	\$45.06	\$45.06
Palm Desert	Ride Share Program	\$738.56	\$738.56	\$409.02	\$409.02
Palm Springs	Employer Based Trip Reduction	\$122.18	\$122.18	\$72.82	\$72.82
Pasadena	Prideshare	\$60.51	\$160.79	\$27.47	\$72.99
Perris	Employee Carpool Reimbursement	\$4,685.17	\$4,685.17	\$994.63	\$994.63
Pomona	On Road Motor Vehicle Mitigation	\$4.16	\$4.16	\$2.51	\$2.51
Rancho Cucamonga	Employer Ride Share Program	\$71.07	\$71.07	\$42.54	\$42.54
Redondo Beach	Employee Rideshare	\$79.17	\$79.17	\$47.39	\$47.39
Rialto	Rideshare	\$274.06	\$274.06	\$165.12	\$165.12
San Bernardino (City)	Employee Rideshare Program	\$31.90	\$33.68	\$17.07	\$18.02
Santa Ana	Employer Based Trip Reduction	\$311.08	\$311.08	\$120.74	\$120.74
Stanton	Alternative Commute Incentive	\$227.27	\$227.27	\$136.29	\$136.29
Stanton	Van Transportation	\$40.81	\$40.81	\$24.68	\$24.68

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	Air Funds	ALL
(6) Transportation Demand Management (cont'd)					
<i>Torrance</i>	Employee Trip Reduction Program	\$34.05	\$34.05	\$20.44	\$20.44
<i>Upland</i>	RideShare	\$472.44	\$472.44	\$282.82	\$282.82
<i>West Covina</i>	Employee Rideshare Program	\$52.19	\$52.19	\$31.45	\$31.45
<i>West Covina</i>	Air Quality Investment Program (AQIP)	\$12.40	\$12.40	\$11.20	\$11.20
<i>West Hollywood</i>	Employee Alternative Mode Incentive	\$45.63	\$45.63	\$26.43	\$26.43
<i>Westminster</i>	Rideshare Program	\$36.08	\$36.08	\$21.74	\$21.74
<i>Westminster</i>	Vanpool Program	\$461.88	\$461.88	\$303.04	\$303.04
<i>Westminster</i>	Online Document Submission Website	\$59.24	\$59.24	\$36.08	\$36.08
<i>Whittier</i>	Website	\$7.10	\$7.10	\$4.21	\$4.21
<i>Whittier</i>	Employee Rideshare	\$39.23	\$39.23	\$23.50	\$23.50
<i>Whittier</i>	Air Quality Investment Program	\$7.65	\$7.65	\$4.55	\$4.55
(8) Bicycles					
<i>Baldwin Park</i>	Police Department Bicycle Patrol Program	\$25,695.48	\$25,695.48	\$9,541.15	\$9,541.15
<i>Claremont</i>	Citrus Regional Bikeway	\$216.64	\$216.64	\$126.01	\$126.01
<i>Costa Mesa</i>	Joann Street Bike Trail	\$236.32	\$236.32	\$149.60	\$149.60
<i>Fontana</i>	Pacific Electric Trail Segments 3B & 4	\$145.10	\$145.10	\$82.99	\$82.99
<i>Los Angeles (City)</i>	LAPD Purchase of 80 Bicycles for Bike	\$66.34	\$191.92	\$16.22	\$46.94
<i>Orange (City)</i>	Orange Police Bike Team	\$43.86	\$43.86	\$10.73	\$10.73
<i>Orange (City)</i>	Bike Loan to Own	\$4.20	\$4.20	\$1.03	\$1.03
<i>Santa Clarita</i>	Bike To Work	\$536.91	\$536.91	\$321.42	\$321.42
<i>Temecula</i>	Pedestrian Bicycle Bridge Over Santa	\$411.81	\$411.81	\$247.30	\$247.30
<i>Whittier</i>	Greenway Bicycle Trail	\$0.07	\$0.07	\$0.04	\$0.04
<i>Yucaipa</i>	12th Street Curb, Gutter, Sidewalk	\$1,177.64	\$1,177.64	\$712.35	\$712.35
<i>Yucaipa</i>	12th and 13th Streets Curb, Gutter,	\$29.09	\$29.09	\$17.60	\$17.60
<i>Yucaipa</i>	13th Street Curb, Gutter, Sidewalk	\$217.91	\$217.91	\$131.81	\$131.81
<i>Yucaipa</i>	6th Street Curb, Gutter, Sidewalk	\$183.01	\$183.01	\$110.70	\$110.70
(9) PM10 Reduction Strategies					
<i>Cathedral City</i>	Regional PM10 Street Sweeping	\$160.00	\$160.00	\$160.00	\$160.00
<i>Coachella</i>	CVAG Regional PM10 Street Sweeping	\$149.75	\$149.75	\$149.75	\$149.75
<i>County of Riverside</i>	CVAG Regional PM 10 Street Sweeping	\$55.66	\$275.12	\$55.66	\$275.12
<i>Desert Hot Springs</i>	Regional PM10 Street Sweeping	\$207.53	\$207.53	\$207.53	\$207.53
<i>El Monte</i>	Regional PM10 Street Sweepers	\$14.21	\$14.21	\$14.21	\$14.21

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	Air Funds	ALL
(9) PM10 Reduction Strategies (cont'd)					
<i>Indian Wells</i>	Regional PM10 Street Sweeping	\$165.39	\$165.39	\$165.39	\$165.39
<i>Indio</i>	City Street Sweeping Program	\$94.00	\$94.00	\$94.00	\$94.00
<i>Indio</i>	Regional PM10 Street Sweeping	\$159.95	\$159.95	\$159.95	\$159.95
<i>La Quinta</i>	Regional PM10 Street Sweeping	\$159.96	\$159.96	\$159.96	\$159.96
<i>Moreno Valley</i>	Street Sweeping Program - PM10 and	\$2.22	\$2.22	\$2.22	\$2.22
<i>Palm Desert</i>	Regional PM10 Street Sweeping	\$159.96	\$159.96	\$159.96	\$159.96
<i>Palm Springs</i>	Regional PM10 Street Sweeping	\$160.03	\$160.03	\$160.03	\$160.03
<i>Rancho Mirage</i>	Regional PM10 Street Sweeping	\$160.00	\$160.00	\$160.00	\$160.00

*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 2011-2012

Motor Vehicle Fees	\$14,016,296
Air Funds (MV Fees+MSRC+Moyer)	\$14,280,007
Amortized Air Funds	\$9,148,720
Emission Reductions (lbs per year) (ROG + NOx + PM2.5 + CO/7)	<u>11,428,656</u>
Average Cost-Effectiveness (dollars per lb)	\$0.80

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

Cost-effectiveness is equals amortized Air Funds (MV Fees + MSRC + Moyer dollars) divided by ROG + NOx + PM10 + CO/7.