

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

**Annual Report on AB 2766 Funds from Motor Vehicle Registration Fees for
FY 2019 – 20**

November 2021

Executive Officer

Wayne Nastri

Deputy Executive Officer

Planning, Rule Development & Area Sources

Sarah Rees, Ph.D.

Assistant Deputy Executive Officer

Planning, Rule Development, and Area Sources

Ian MacMillan

Planning and Rules Manager

Vicki White

Program Supervisor

Lane Garcia

Author: Elliott Popel Air Quality Specialist

Contributors: Laurence Brown Air Quality Specialist

Table of Contents

Annual Report on AB 2766 Funds from Motor Vehicle Registration Fees for FY 2019-20

EXECUTIVE SUMMARY	EX-1
I. BACKGROUND	1
II. REPORTING	2
III. PROGRAM GUIDANCE	3
Purpose	3
Activities.....	3
Local Government Coordination	4
IV. PROGRAM DATA	5
Project Categories	5
Project Funding & Quantification.....	8
Emission Reductions & Cost-Effectiveness	11
V. PROGRAM OUTREACH	17
ATTACHMENT A: Eligible Cities and Counties (FY 2019-20)	20
ATTACHMENT B: FY 2019-20 AB 2766 Subvention Fund Program Reports.....	22
South Coast Cities and Counties Financial Summary of Motor Vehicle Funds.....	23
Local Government Administrative Costs.....	30
Local Government Projects Funded by Category	33
Percent of Project Expenditures by Project Category	41
Summary of Spending by Project Subcategory	42
Project Funding Sources	44
Range of Cost-Effectiveness by Subcategory for Fiscal Year 2019-20.....	61
Average Cost-Effectiveness by Project	62
Cost-Effectiveness of Funding by Project	72
Summary of Projects that Reported Cost-Effectiveness	80

TABLES

<u>Table 1</u> Summary of COG Activities.....	5
<u>Table 2</u> Motor Vehicle Funds (MV) Financial Summary (As Reported by Local Jurisdictions).....	9
<u>Table 3</u> History of MV Funds Financial Summary	9
<u>Table 4</u> Local Government Project Reporting & Emission Reduction Quantification.....	10
<u>Table 5</u> Project Quantification History	10
<u>Table 6</u> Expenditures by Project Category	11
<u>Table 7</u> Project Spending and Emissions Reduced.....	12
<u>Table 8</u> Emissions Reduced and Cost-Effectiveness By Project Category.....	14
<u>Table 9</u> History of Emissions Reduced and Cost-Effectiveness.....	15
<u>Table 10</u> Project Subcategories with More Than \$500,000 in Expenditure	16

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

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

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

EXECUTIVE SUMMARY

During Fiscal Year 2019-20, 162 local governments in the South Coast Air Quality Management District (South Coast AQMD) were eligible to receive AB 2766 Subvention Funds. These jurisdictions were subvented \$21.5 million to implement projects that reduce mobile source emissions. From their AB 2766 fund balances, local governments spent \$24.5 million, which includes funding from prior years. The two highest spending categories were Transportation Demand Management and Alternative Fuels/Electric Vehicles, which claimed a combined total of 65% of the \$24.5 million program expenditures. The two project categories yielding the highest portion of emission reductions for this fiscal reporting cycle were Transportation Demand Management and Traffic Management with 84% of the quantified emission reductions. In total, local governments implemented 371 projects of which 237 reported quantified emission reductions.

I. BACKGROUND

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

AB 2766 requires that the first \$4 of these fees be subvented to South Coast AQMD for the purpose of funding three programs with a prescribed allocation as follows:

- 40% to the Local Government Subvention Fund Program. These funds are distributed on a quarterly basis to South Coast Air Basin cities and counties based upon their prorated share of population to implement projects that reduce emissions from mobile sources.
- 30% to the South Coast AQMD Program Fund. This fund provides for agency planning, monitoring, research and other activities that reduce mobile source emissions.
- 30% to the Discretionary Fund Program. This fund 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 energy resources and reducing greenhouse gas emissions.

In March of 2017, the South Coast AQMD adopted the 2016 Air Quality Management Plan (AQMP) as the blueprint for attainment of federal ozone and PM 2.5 standards in the South Coast Air Basin by

2031. The 2016 AQMP brought renewed focus to the role that mobile source emissions play in attainment of these standards. Future mobile source control measures are identified in the AQMP as well as planning opportunities available for SCAB cities and counties to align transportation policy, infrastructure modernization, and emission control goals. The South Coast AQMD's AB 2766 staff actively works with local governments to align their planning efforts with policy objectives of the AB 2766 Subvention Fund Program and the AQMP blueprint designed to meet State and Federal Clean Air Act attainment standards.

II. REPORTING

This Annual Report solely addresses the AB 2766 funds subvended to local governments by accounting for financial expenditures, emissions reduced, and the cost-effectiveness of projects implemented through the AB 2766 Subvention Fund Program during FY 2019-20.

AB 2766 fees are collected by the DMV and subvended to the South Coast AQMD on a monthly basis. The South Coast AQMD Finance Division disburses the AB 2766 revenues to local governments quarterly. During FY 2019-20, 162 local governments were eligible to receive AB 2766 funds (see Attachment A). Pursuant to H&S Code 44243(b)(1), newly incorporated cities may receive subvention funds, provided they adopt and transmit to the South Coast AQMD the required ordinance within 90 days of official incorporation.

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

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

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

CARB and South Coast AQMD have a Memorandum of Understanding dated July 31, 2019 that enables South Coast AQMD to directly manage the reporting process and submit the relevant data to CARB in a timely fashion. South Coast AQMD's AB 2766 Annual Report is shared upon completion with CARB.

III. PROGRAM GUIDANCE

Purpose

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

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

Activities

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

Staff conducted fifteen (15) AB 2766 technical training sessions and held open office hours during the months of January and February 2021, at which 100 local government representatives participated on behalf of 73 subvention fund recipient jurisdictions. Due to the COVID-19 pandemic, these training sessions and open office hours were held remotely. Training included an overview of the program's authorizing legislation; prior year project reporting; emission reductions and financial summaries; and a detailed review of program guidelines developed by CARB and South Coast AQMD. Expenditure limitations, preferred projects that provide quantifiable, cost-effective emission reductions, common reporting errors, and administrative tips were of key focus during the trainings. Requirements related to the financial administration of AB 2766 dollars were reviewed in detail, with emphasis on fund accounting and auditing guidelines. The training sessions also included information from the Mobile Source Air Pollution Reduction Review Committee (MSRC) staff on potential future funding opportunities for jurisdictions to leverage with their received subvention funds.

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

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

South Coast AQMD staff has received and evaluated the FY 2019-20 Annual Reports submitted by the 162 participating local jurisdictions. The results are summarized in the Program Data section of this report.

Local Government Coordination

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

Table 1
Summary of COG Activities

COG Name	Expenditure Amount*	Project Description**
Coachella Valley	\$336,254	Regional PM Street Sweeping Program using alternative fuel equipment to sweep approximately 23,178 curb miles to remove roadway dust.
Western Riverside	\$82,703	Clean Cities Coalition activities/outreach promoting emission reductions from motor vehicles through alternative fuel and advanced technology vehicles; AQMP Outreach and Western Riverside County Active Transportation Plan development.
Gateway Cities	\$111,322	Development of the Air Quality/Active Transportation elements of the Gateway Cities Strategic Transportation Plan (STP).

*Expenditure amounts as reported by COG member cities.

**Project descriptions provided by COG to the COG member cities.

IV. PROGRAM DATA

Project Categories

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

1. Alternative Fuels/Electric Vehicles –

- Purchasing/leasing alternative fuel vehicles (automobiles, vans, shuttles or buses) powered by compressed natural gas, propane, full non-diesel hybrids that meet specific CARB certification standards, as well as fuel cell and electric vehicles.
- Projects that assist local jurisdictions with fleet conversions or repowering from conventional gas to an alternative fuel engine.
- Installation of alternative fuel and electric charging infrastructure that supports the use of alternative fuel and electric vehicles; and, purchasing alternative fuel or electricity for up to three years after vehicle purchase.

2. Vehicle Emissions Abatement –

- Purchasing/leasing cleaner diesel engines when alternative fuel engines are not available and/or repowering of heavy-duty trucks with cleaner engines.

- Installation of particulate trap retrofits for engines and/or retirement and replacement of dirty off-road engines with newer, cleaner engines.
- Participation in a certified Vehicle Scrapping Program.
- Purchasing/leasing of electric ride-on commercial lawn mowers.

3. **Land Use** –

- Planning, designing, and constructing/installing facilities that discourage and decrease the use of automobiles.
- Providing adequate or expanding existing pedestrian facilities that make it easier for people to walk, bicycle, or use public transit.
- Developing Air Quality Action Plans, Strategic Transportation Plans or an Air Quality Element of a General Plan.
- Funding CEQA related studies that will identify surplus mobile source mitigation measures or project alternatives resulting in reduced emissions or VMT as required by SB 743. However, funding is not to be used to replace funds otherwise available to perform CEQA related activities.

4. **Public Transportation** –

- Introducing, marketing or implementing new or extended transit services or rail feeder operations, and the operations thereof up to 3 years.
- Constructing, installing or enhancing public transportation facilities designed to provide new or extended services or to increase passenger safety.
- Installing equipment that contains public transit information and fare subsidies.
- Providing transit fare discounts and subsidies.

5. **Traffic Management and Signal Coordination** –

- Implementing projects/programs that monitor and control travel conditions.
- Installing corridor signal synchronization systems; design and installation of pedestrian islands, turning lanes, pedestrian traffic controls and/or changeable message signs that reduce idling and improve traffic flow, and/or mobilization of freeway tow truck services.

6. **Transportation Demand Management (TDM)** –

- Implementing projects that reduce the demand for automobile use by encouraging behavioral changes regarding travel modes, i.e., encourage carpooling, vanpooling, biking, walking, use of public transit, telecommuting, or implementation of compressed work week schedules.
- Designing, developing, and implementing programs that focus on reducing trips to special event centers or other attractions.
- Creation and enhancement of Park and Ride facilities.

7. Market Based Strategies –

- Developing and implementing incentives and disincentives that encourage behavioral changes resulting in emission reductions such as introduction of user fees or congestion charges to encourage behavioral changes for consumers to use less congesting or less polluting forms of transportation and/or implementation of parking strategies.

8. Bicycles –

- Implementing projects that encourage the use of bicycles by employees and residents; bike share and/or purchasing programs, bike loan programs (electric bikes and standard) for police officers, community members, and the general public.
- Designing, developing and/or installing bike lanes, paths and bikeways or establishing new bicycle corridors physically separated from motor vehicle traffic; making bicycle facility enhancements/improvements by installing bicycle lockers, bike signals or bus bike racks.

9. PM Reduction Strategies –

- Implementing measures that reduce or prevent deposits of dust and other materials from build-up on roadway surfaces such as paving of dirt roads and shoulders; purchasing/leasing South Coast AQMD Rule 1186.1 compliant street sweepers.

10. Public Education –

- Long-term/short-term, routine, regularly scheduled, intermittent or frequent information brochures, videos, printed materials that provide a focused message which targets behavioral changes resulting in mobile source emission reductions and reduced reliance on motor vehicles.
- Marketing of demonstration or pilot projects, coordinating promotional events or programs to educate schools or the public about transportation alternatives, and the relationship between motor vehicles and air pollution.

11. Miscellaneous Projects –

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

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

Project Funding & Quantification

A financial summary of funds spent by local governments in the SCAB region during FY 2019-20 is provided in Table 2, and the financial summary for the last five reporting cycles is shown in Table 3. Local governments can carry over fund balances indefinitely, which allows them the flexibility to accumulate funding for future projects or to secure additional co-funding. In FY 2019-20, local governments spent more subvention funds on mobile source emission reduction projects (\$24.5 million) than the amount received (\$21.5 million), and project spending increased compared to the last reporting cycle (\$19.0 million) as shown in Table 3. They spent 29% of their combined beginning balance and MV fees received (\$84.2 million) in FY 2019-20, which is an increase from what occurred in FY 2018-19, when cities and counties spent 23% of the total beginning balances and MV fees received (\$82.2 million). Cities are continuing to pre-designate a larger amount of funds than in previous years which indicates an increased interest in future programs and technology investments.

Tables 2 and 3 show that of the \$60.9 million ending balance reported by local governments in FY 2019-20, approximately \$54.5 million, or 89%, of the ending balance was pre-designated for future projects. This is slightly higher than the amounts pre-designated in FY 2018-19 (88%), and is higher than in FY 2017-18 (85%) and FY 2016-17 (85%) for the region.

Table 3 shows that as reported by recipient jurisdictions, the motor vehicle funds being subvented to local governments has decreased, from \$22.1 million in FY 2018-19 to \$21.5 million in this reporting cycle. Despite this, local governments spent a greater percentage (114% or \$24.5 million) of the funds received on AB 2766 projects compared to the prior reporting cycle (86% or \$19.0 million). This is the first time that project spending exceeded funding received since FY 2009-10. With guidance from South Coast AQMD's AB 2766 staff, local jurisdictions are continuing to plan and implement clean transportation programs that advance our regional air quality goals.

Table 2
Motor Vehicle (MV) Funds Financial Summary
(As Reported by All Local Jurisdictions in Each County)

County	Beginning Balance	MV Fees Received	Project Spending	Ending Balance¹	Pre-designated Funds	Funds Remaining
Los Angeles	\$32,623,802	\$12,270,626	\$15,421,397	\$29,911,777	\$27,915,007	\$1,996,770
Orange	\$14,256,842	\$4,068,828	\$3,545,289	\$15,088,768	\$12,381,312	\$2,707,456
Riverside	\$7,961,496	\$3,007,946	\$3,572,403	\$7,601,713	\$6,733,995	\$867,718
San Bernardino	\$7,900,085	\$2,158,065	\$1,932,275	\$8,296,056	\$7,421,538	\$874,518
Totals*	\$62,742,224	\$21,505,465	\$24,471,364	\$60,898,314	\$54,451,852	\$6,446,462

*Totals may vary due to rounding.

Table 3
History of Motor Vehicle Funds Financial Summary

Fiscal Year	Beginning Balance	MV Fees Received	Project Spending	Ending Balance	Pre-designated Funds	Funds Remaining
2015-16	\$45,783,106	\$22,099,037	\$19,163,200	\$48,821,026	\$33,967,602	\$14,853,424
2016-17	\$52,723,319	\$22,565,779	\$17,655,513	\$57,629,828	\$49,270,416	\$8,359,412
2017-18	\$57,581,172	\$21,773,549	\$18,970,439	\$60,424,838	\$51,324,794	\$9,100,043
2018-19	\$60,119,563	\$22,129,237	\$18,961,319	\$64,393,453	\$56,504,964	\$7,888,489
2019-20	\$62,742,224	\$21,505,465	\$24,471,364	\$60,898,314	\$54,451,852	\$6,446,462

Table 4 identifies, by county, the number of projects funded by local governments, as well as the number and percentages of projects with quantified emission reductions achieved during FY 2019-20. Los Angeles County has the majority of the cities in the South Coast Air Basin and therefore funded the largest number of AB 2766 projects in the program (196). Orange County had the second highest

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

number of projects funded (80), followed by Riverside County (63) and San Bernardino (32). For this reporting cycle, San Bernardino County has yielded the highest percentage (75%) of quantified projects.

Table 4
Local Government Project Reporting and Emission Reduction Quantification

County	Number of Local Governments Reporting	Number of Projects Funded	Number of Projects with Emission Reductions Quantified	Percent of Projects with Emission Reductions Quantified
Los Angeles	82	196	122	62%
Orange	35	80	57	71%
Riverside	28	63	34	54%
San Bernardino	17	32	24	75%
Totals	162	371	237	64%

Table 5 shows the number of projects with emission reduction quantified over the last five reporting cycles. The FY 2019-20 report shows 237 projects with emission reductions quantified, which is a decrease from the 259 projects quantified in FY 2018-19.

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

Table 5
Project Quantification History

Fiscal Year	Number of Projects	Projects with Emission Reductions Quantified	Percent of Projects Quantified	Percent of Expenditures Quantified
2015-16	395	261	66%	73%
2016-17	359	220	61%	66%
2017-18	358	234	66%	69%
2018-19	368	259	71%	78%
2019-20	371	237	64%	62%

Table 6 shows the FY 2019-20 expenditures made in ten of the eleven AB 2766 project categories. There were no projects reported in the Market Based Strategies project category, as has been the case since FY 2006-07. There was one project in the Vehicle Emission Abatement category for the first time since FY 2006-07. Table 6 displays expenditures by category, sorted from the highest to the least in local government spending. The two highest spending categories are the Alternative Fuels/Electric Vehicles and the Transportation Demand Management categories, which together represents 65% or about \$15.9 million of the \$24.5 million program expenditures. A significant amount of these funds were spent towards purchasing or leasing of alternative fuel/electric vehicles, installation of electric vehicle charging stations, and implementation of employer-based trip reduction programs.

Table 6
Expenditures by Project Category

Project Category	Project Spending*	Percent of Spending*	No. of Projects
Alternative Fuels/Electric Vehicles	\$8,456,557	35%	131
Transportation Demand Management	\$7,390,368	30%	69
Traffic Management	\$3,143,863	13%	50
Land Use	\$1,722,597	7%	14
Public Transportation (Transit & Rail)	\$1,633,451	7%	27
Bicycles	\$850,056	3%	21
PM Reduction Strategies	\$833,705	3%	16
Public Education	\$231,800	1%	18
Miscellaneous Projects	\$195,425	1%	24
Vehicle Emissions Abatement	\$13,543	0.1%	1
Totals*	\$24,471,364	100%	371

* Totals may vary due to rounding.

Emission Reductions & Cost-Effectiveness

Table 7 summarizes, by county, the number of projects funded, project spending, and the emission reductions achieved. Local governments in Los Angeles County reported the majority of project spending, \$15.4 million, and also achieved the majority of annual emission reductions, 70 tons. During FY 2019-20, a total of 132 tons of emissions were reduced in the SCAB cities and counties by projects funded with AB 2766 Subvention money.

Table 7
Project Spending and Emissions Reduced

County	No. of Projects Funded	Project Spending	Emissions Reduced ² (Tons/Year)				
			ROG	NOx	PM2.5	CO/7	Totals*
Los Angeles	196	\$15,421,397	15	22	9	24	70
Orange	80	\$3,545,289	6	13	4	9	32
Riverside	63	\$3,572,403	5	6	4	9	24
San Bernardino	32	\$1,932,275	2	2	1	2	6
Totals*	371	\$24,471,364	28	43	17	44	132

* Totals may vary due to rounding.

Table 8 provides emission reduction and cost-effectiveness information³ for AB 2766 project categories. The table is ranked by the category with the largest amount of emissions reduced; and displays the number of projects, number of projects with emission reduction quantified, and the percentage of projects quantified in each category. The last column in Table 8 identifies the total Air Funds cost-effectiveness (dollar per pound) of emissions reduced. The “Air Funds” consist of the Motor Vehicle Fees and, if applicable, funding from the state Carl Moyer Fund Program and the Mobile Source Air Pollution Reduction Review Committee (MSRC) funding pursuant to CARB’s methodology.

In this reporting cycle, the Transportation Demand Management project category represents 65% of all emissions reduced, for a total of 172,479 pounds. This is an increase for this category compared to FY 2018-19, which represented 46% of emission reductions (129,219 pounds). This category includes trip reduction subsidies for employees of reporting jurisdictions that receive AB 2766 funds, as well as subsidies for residents who meet their city program requirements. Telecommuting projects, including laptop purchases, VPN services, and other resources that would enable an employee to work from home, have been a longstanding eligible project within this category. Due to the COVID-19 Stay-At-Home executive order (N-33-20) issued on March 4th, 2020, staff fielded numerous queries from local governments regarding telecommuting projects, and expects that many local governments, like other sectors of the economy, are creating alternative work arrangements for their employees beyond the required Stay-At-Home period. The AB 2766 subvention funds are a readily available source of funding that enables this transition and staff expects that the emission reductions from this category will continue to be larger than it has been in the past.

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

³ Cost Effectiveness for AB 2766 projects are calculated by first amortizing the Air Funds (AB 2766, MSRC, and Moyer funding) then dividing by the total emission reduction of ROG, NOx, PM_{2.5}, and CO/7. Emission factors tables were provided by CARB in November 2020 and draw from EMFAC2017. This method differs from how the Moyer program assess cost effectiveness, and can be found in the “Methods to Find the Cost-Effectiveness of Funding Air Quality Projects” handbook published by CARB in May 2005: https://ww2.arb.ca.gov/sites/default/files/2020-06/Congestion_Mitigation_Air%20Quality_Improvement_Program_cost-effectiveness_methods_may2005.pdf

The Traffic Management category accounts for 18% of the emission reductions, for a total of 48,735 pounds. This category includes traffic signal synchronization, signal installation, and software updates.

Of the top three project categories in terms of emission reductions, the Alternative Fuels/Electric Vehicles category accounts for 5% of emission reductions, for a total of 13,870 pounds reduced. This category includes alternative fueled and electric vehicle purchases and leases as well as electric vehicle charging infrastructure. Despite having a smaller impact compared to the previous two categories, this category has the largest number of projects in the entire program. As federal and state rules governing tailpipe pollution continue to lead to a cleaner fleet of vehicles throughout the state, this project category will continue to represent smaller emission reductions compared to other project categories.

The cost-effectiveness of all project categories, as shown in Table 8, range from \$7.80- \$81.65 per pound of emissions reduced. The overall total average cost-effectiveness was computed as \$32.15 per pound of emissions reduced.

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

Table 8
Emissions Reduced and Cost-Effectiveness by Project Category

Project Category	Number of Projects	Number of Projects Quantified	Percent of Projects Quantified	Emissions Reduced⁴ (lbs. /yr.)	Emission Reduced⁵ (tons/yr.)	Air Funds Cost-Effectiveness⁶ (\$/lb.)
Transportation Demand Management	69	62	90%	172,479	86	\$31.67
Traffic Management	50	32	64%	48,735	24	\$8.58
Alternative Fuels/Electric Vehicles	131	82	63%	13,870	7	\$79.48
PM Reduction Strategies	16	16	100%	12,341	6	\$59.41
Public Transportation (Transit & Rail)	27	22	81%	10,380	5	\$62.10
Miscellaneous Projects	24	6	25%	4,592	2	\$10.01
Bicycles	21	15	71%	729	0.36	\$81.65
Land Use	14	1	7%	325	0.16	\$24.02
Vehicle Emission Abatement	1	1	100%	204	0.10	\$7.80
Public Education	18	0	0%	NA	NA	NA
Totals*:	371	237	64%	263,654	132	\$32.15

*Totals may vary due to rounding.

The history of the AB 2766 Program’s emission reductions and cost-effectiveness is shown in Table 9. The average cost-effectiveness figure is determined by dividing the Amortized Air Fund dollar amount, which is associated with quantified projects, by the total amount of emission reductions. Emissions calculations are based on the 2017 Emission Factor (EMFAC) modelling tool provided by CARB.

Previous annual reports described a higher level of emission reductions attained. This changed beginning in the FY 2016-17 report, when district staff reevaluated the longstanding emission reduction calculation methodology previously approved by CARB for calculating emission reductions from the Automatic Traffic Surveillance (ATSAC) project implemented by the City of Los Angeles. The ATSAC Project is a complex signal synchronization system in place throughout the city that automatically responds to changing traffic conditions and improves traffic flow. This project was believed to be responsible for approximately 91% of the total emissions reduced each year in the entire AB 2766 program. As reported in the FY 2016-17 annual report, the ATSAC Project was reassessed by the City of Los Angeles and District Staff to more accurately measure emission reductions, to account for cleaner

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

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

6 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.

vehicles currently on the road, and to minimize assumptions. ATSAC is now using the same methodology for traffic calming as other cities in the region.

Table 9 shows the history of the AB 2766 program after adjusting for the new ATSAC methodology. The 132 tons of emissions reduced in this reporting cycle is a 6% decrease from the 141 tons reported in FY 2018-19. Staff believes that the declining trend previous to FY 2018-19 is due to a general decrease in emissions from vehicles in the state inventory as a result of improving vehicle emission standards and fleet turnover, and that this trend is continuing in FY 2019-20. Staff continues to work closely with the jurisdictions to verify that accurate emissions quantifications are derived from each project.

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)
2015-16	814,000	407	\$13.04	\$26,087
2016-17	267,000	134	\$28.26	\$56,527
2017-18	195,000	98	\$36.07	\$72,132
2018-19	282,377	141	\$25.20	\$50,395
2019-20	263,654	132	\$32.15	\$53,705

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

**In 2020 dollars.

Table 10 shows the project subcategories with Motor Vehicles Fee expenditure greater than \$500,000. There are 11 subcategories that collectively represent \$20.6 million of the \$24.5 million in project spending for FY 2019-20. Employer-Based Trip Reduction, a subcategory of Transportation Demand Management, had the most amount of expenditures with \$4.9 million in project spending. Alternative Fuel Vehicle Purchases is next at \$4.4 million. Although Electric Vehicle Purchases ranks ninth in this table at \$816,971, Electric Vehicle Charging Infrastructure is the third most used subcategory with \$2.5 million in project spending. Many jurisdictions are accommodating the rapid rise in electric vehicles by building public charging stations at their city halls, public facilities, and shopping centers, as well as dedicated charging stations for their public works fleet.

Table 10
Project Subcategories with More Than \$500,000 in Expenditure

Category	Subcategory	Expenditure	No. of Projects
Transportation Demand Management	Employer-Based Trip Reduction	\$4,932,337	48
Alternative Fuels/Electric Vehicles	Alternative Fuel Vehicle Purchases	\$4,371,142	57
Alternative Fuels/Electric Vehicles	Electric Vehicle Charging Infrastructure	\$2,509,892	39
Traffic Management	Traffic Flow or Signalization	\$1,790,389	37
Land Use	Plan Elements	\$1,551,880	6
Transportation Demand Management	Transportation Management Agencies/Organizations	\$1,330,041	3
Public Transportation (Transit & Rail)	Public Transportation Facilities	\$857,746	4
PM Reduction Strategies	Road Dust Control	\$833,705	16
Alternative Fuels/Electric Vehicles	Electric Vehicle Purchases	\$816,971	24
Traffic Management	Traffic Calming	\$814,943	6
Bicycles	Bicycle Lanes and Trails	\$744,836	12
Totals*:		\$20,553,880	252

*Totals may vary due to rounding.

V. PROGRAM OUTREACH

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

Local Government Leadership

- Continue to provide written and electronic notification of fund balances and fund match/leverage opportunities to local government officials and staff.
- Encourage local government policy makers to provide leadership and establish partnerships in the program decision-making process.
- Work directly with cities to implement quantifiable, cost-effective mobile source emission reduction projects. Staff will meet with and maintain an open, ongoing dialogue with city mayors, city managers, and other local government staff, and will support their efforts to educate their elected officials on the value of the subvention fund program.
- Collaborate with District LPAM and MSRC staff to coordinate outreach activities, align project and policy goals, and maximize fund matching and leveraging opportunities for local governments.
- Lead and contribute to efforts and policy development that will continue to encourage telework practices and remote meeting attendance that have evolved from the COVID-19 pandemic.

Local Government Staff

- Develop new resources or enhance existing program tools that will assist local governments with identifying, monitoring and reporting eligible AB 2766 projects and programs, such as:
 - 1) Developing a web-based reporting process for local government annual report submissions
 - 2) Updating reporting instructions based on the new web-based reporting process
 - 3) Updating the Resource Guide to better align with the AQMP and CARB direction
 - 4) Enhancing Marketing Materials (pamphlets, fact sheets, etc.)
- Encourage fund leveraging and pre-designation of funds for future quantifiable project implementation.
- Act as an intermediary between District and city staffs, COG representatives and local government leadership to streamline project and policy development.
- Maintain an outreach presence through meetings with local governments' AB 2766 administrators as a means to:
 - 1) Provide technical guidance on program changes and legal constraints of AB 2766 spending;
 - 2) Provide technical hands-on assistance with calculating, tracking and reporting on projects that will yield quantifiable emission reductions;

- 3) Provide a list of eligible, preferred projects, as well as encourage pre-designating funds for future projects;
 - 4) Provide training on the automated reporting and submittal processes.
 - 5) Enhance virtual training to maintain safety during the COVID-19 pandemic and for travel reduction purposes.
- Encourage all AB 2766 administrators to virtually attend the annual AB 2766 training sessions to learn about AB 2766 software submittal procedures, as well as updates, changes and/or modifications to the AB 2766 Program.

Councils of Government

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

CARB Collaboration

- Create and manage the reporting process for South Coast Air District fund recipients with oversight from CARB as outlined in the July 31, 2019 Memorandum of Understanding for the collection of fund expenditures, project implementation, emission reductions, cost effectiveness, and other relevant data.
- Continue to collaborate with CARB to effectively communicate program and financial reports and receive updated emission factors and program direction.
- Continue to collaborate with CARB to align the program with statewide and local emission reduction goals.

COVID-19 Impacts

Throughout the training sessions for the FY 2019-20 report, Staff provided an informal survey to the local government contacts regarding impacts of COVID-19 on their organizations. 25 jurisdictions participated, representing 15% of the 162 local governments.

The survey had two sections. The first section asked the participant about their level of familiarity with the AB 2766 program's reporting process and if they had the required software for the report. Most participants had submitted at least one annual report before and had the necessary software.

The second section asked several questions about how COVID-19 was impacting their organization, ranked on a scale of 1 (No Impact) to 5 (High Impact). Most participants indicated that their cities were facing significant staffing shortages and budgetary constraints. They also reported that major infrastructure projects were either delayed or eliminated, but projects using AB 2766 funds were less likely to be impacted.

ATTACHMENT A
Eligible Cities and Counties (FY 2019-20)

Eligible Cities and Counties (FY 2019-20)

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

ATTACHMENT B

FY 2019-20 AB 2766 Subvention Fund Program Reports

South Coast Cities and Counties Financial Summary of Motor Vehicle Funds

Fiscal Year 2019 - 2020

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue ⁷	Project Spending	Admin	Ending Balance	Funds Pre-designated for Future Year
<i>Los Angeles</i>									
	Agoura Hills	\$66,132	\$19,759	\$1,270	\$87,161	\$7,466	\$1,194	\$78,501	\$70,000
	Alhambra	\$143,078	\$81,076	\$4,210	\$228,364	\$27,192	\$1,976	\$199,196	\$150,000
	Arcadia	\$125,629	\$74,551	\$491	\$200,671	\$67,285	\$0	\$133,386	\$130,000
	Artesia	\$126,827	\$14,529	\$0	\$141,355	\$51,082	\$0	\$90,273	\$50,000
	Azusa	\$215,461	\$48,879	\$3,772	\$268,112	\$28,157	\$0	\$239,955	\$217,142
	Baldwin Park	\$560,604	\$97,888	\$2,991	\$661,482	\$122,452	\$0	\$539,031	\$420,000
	Bell	\$98,779	\$34,776	\$1,223	\$134,778	\$0	\$641	\$134,137	\$134,000
	Bell Gardens	\$170,533	\$40,624	\$1,869	\$213,026	\$166,304	\$853	\$45,869	\$45,868
	Bellflower	\$424,935	\$99,184	\$6,686	\$530,805	\$0	\$0	\$530,805	\$258,324
	Beverly Hills	\$184,562	\$43,769	\$3,569	\$231,900	\$0	\$0	\$231,900	\$231,900
	Burbank	\$430,497	\$134,362	\$15,756	\$580,616	\$135,532	\$0	\$445,084	\$445,084
	Calabasas	\$78,282	\$30,591	\$1,375	\$110,249	\$25,106	\$0	\$85,143	\$78,282
	Carson	\$514,243	\$118,698	\$9,539	\$642,479	\$158,184	\$109	\$484,186	\$450,000
	Cerritos	\$546,158	\$63,706	\$9,693	\$619,557	\$33,355	\$3,981	\$582,221	\$582,221
	Claremont	\$224,309	\$46,160	\$4,577	\$275,045	\$1,333	\$0	\$273,712	\$273,713
	Commerce	\$4,394	\$12,285	\$0	\$16,679	\$12,285	\$0	\$4,394	\$4,394
	Compton	\$703,005	\$104,827	\$0	\$807,832	\$0	\$6,552	\$801,280	\$800,000
	County of LA	\$5,348,573	\$1,326,061	\$51,000	\$6,725,634	\$2,350,221	\$0	\$4,375,413	\$4,433,688
	Covina	\$105,699	\$61,846	\$1,290	\$168,835	\$73,107	\$2,270	\$93,458	\$93,458
	Cudahy	\$76,168	\$31,215	\$1,377	\$108,760	\$16,321	\$345	\$92,094	\$92,000
	Culver City	\$198,069	\$51,636	\$2,051	\$251,756	\$0	\$0	\$251,756	\$190,000
	Diamond Bar	\$101,857	\$72,780	\$2,066	\$176,703	\$30,000	\$0	\$146,703	\$110,000

⁷ Revenue is Beginning Balance, Motor Vehicle Fees Received and Interest combined.

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
Downey		\$347,658	\$144,841	\$8,071	\$500,570	\$132,298	\$5,007	\$363,265	\$350,000
Duarte		\$78,571	\$27,690	\$2,501	\$108,761	\$0	\$0	\$108,761	\$64,000
El Monte		\$239,262	\$138,758	\$2,457	\$380,477	\$146,988	\$379	\$233,110	\$233,110
El Segundo		\$103,656	\$21,492	\$555	\$125,702	\$28,797	\$0	\$96,905	\$30,000
Gardena		\$222,954	\$75,439	\$3,509	\$301,902	\$84,645	\$3,500	\$213,757	\$270,000
Glendale		\$635,091	\$196,976	\$7,458	\$839,524	\$135,301	\$0	\$704,223	\$654,257
Glendora		\$201,398	\$65,964	\$3,335	\$270,697	\$24,942	\$3,623	\$242,132	\$226,000
Hawaiian Gardens		\$26,550	\$18,477	\$348	\$45,375	\$23,913	\$0	\$21,462	\$21,462
Hawthorne		\$149,765	\$109,453	\$1,373	\$260,591	\$101,840	\$2,685	\$156,066	\$156,063
Hermosa Beach		\$18,245	\$25,020	\$703	\$43,968	\$3,690	\$0	\$40,278	\$40,278
Hidden Hills		\$1,188	\$2,233	\$0	\$3,421	\$0	\$0	\$3,421	\$3,421
Huntington Park		\$174,993	\$37,031	\$1,583	\$213,607	\$17,013	\$0	\$196,594	\$147,446
Inglewood		\$447,854	\$142,731	\$5,938	\$596,523	\$350,240	\$0	\$246,283	\$221,000
Irwindale		\$3,670	\$1,752	\$0	\$5,422	\$2,850	\$0	\$2,572	\$2,572
La Canada Flintridge		\$254,186	\$19,530	\$4,689	\$278,405	\$12,679	\$0	\$265,726	\$215,875
La Habra Heights		\$1,435	\$5,758	\$38	\$7,231	\$0	\$0	\$7,231	\$7,230
La Mirada		\$338,918	\$62,711	\$4,817	\$406,446	\$28,486	\$0	\$377,960	\$50,000
La Puente		\$266,362	\$51,595	\$2,789	\$320,746	\$196,685	\$157	\$123,905	\$123,905
La Verne		\$487,967	\$41,961	\$14,013	\$543,941	\$6,466	\$1,719	\$535,756	\$535,756
Lakewood		\$388,698	\$101,076	\$10,269	\$500,042	\$10,000	\$0	\$490,042	\$490,043
Lawndale		\$135,878	\$41,217	\$1,243	\$178,338	\$24,504	\$0	\$153,834	\$75,000
Lomita		\$68,498	\$24,567	\$1,547	\$94,612	\$33,056	\$0	\$61,556	\$61,556
Long Beach		\$2,480,999	\$599,630	\$38,310	\$3,118,939	\$1,380,131	\$66,362	\$1,672,446	\$1,672,440
Los Angeles (City)		\$6,425,866	\$5,125,259	\$199,706	\$11,750,831	\$7,209,802	\$59,246	\$4,481,783	\$4,481,783
Lynwood		\$221,588	\$57,781	\$6,139	\$285,508	\$0	\$0	\$285,508	\$285,508

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
	Malibu	\$95,843	\$15,123	\$2,320	\$113,286	\$813	\$0	\$112,473	\$112,473
	Manhattan Beach	\$44,857	\$64,294	\$0	\$109,151	\$10,500	\$2,100	\$96,551	\$74,730
	Maywood	\$61,594	\$34,284	\$0	\$95,878	\$0	\$0	\$95,878	\$80,000
	Monrovia	\$441,160	\$48,720	\$6,749	\$496,629	\$142,219	\$0	\$354,410	\$330,895
	Montebello	\$458,647	\$81,346	\$11,033	\$551,026	\$19,425	\$5,121	\$526,480	\$393,428
	Monterey Park	\$235,907	\$78,277	\$626	\$314,810	\$87,200	\$0	\$227,610	\$175,065
	Norwalk	\$99,985	\$135,367	\$1,919	\$237,271	\$100,364	\$0	\$136,907	\$87,564
	Palos Verdes Estates	\$123,056	\$17,024	\$2,125	\$142,204	\$0	\$0	\$142,204	\$142,204
	Paramount	\$318,634	\$69,973	\$5,281	\$393,888	\$42,117	\$3,498	\$348,273	\$348,273
	Pasadena	\$228,602	\$185,564	\$4,326	\$418,492	\$295,232	\$0	\$123,260	\$123,260
	Pico Rivera	\$356,686	\$80,938	\$7,395	\$445,019	\$53,591	\$148	\$391,280	\$391,427
	Pomona	\$258,314	\$195,710	\$5,952	\$459,976	\$185,606	\$12,225	\$262,145	\$245,900
	Rancho Palos Verdes	\$97,012	\$53,834	\$1,915	\$152,761	\$0	\$0	\$152,761	\$50,000
	Redondo Beach	\$248,330	\$88,371	\$12,779	\$349,480	\$51,556	\$5,124	\$292,800	\$248,330
	Rolling Hills Estates	\$97,271	\$10,304	\$1,589	\$109,164	\$0	\$0	\$109,164	\$109,164
	Rosemead	\$334,964	\$69,738	\$7,352	\$412,055	\$0	\$0	\$412,055	\$412,055
	San Dimas	\$249,340	\$43,715	\$4,028	\$297,083	\$113,859	\$2,185	\$181,039	\$150,000
	San Fernando	\$62,885	\$23,654	\$2,229	\$88,768	\$0	\$0	\$88,768	\$82,400
	San Gabriel	\$182,390	\$52,080	\$2,240	\$236,710	\$0	\$0	\$236,710	\$236,710
	San Marino	\$94,267	\$16,780	\$1,936	\$112,983	\$0	\$0	\$112,983	\$112,983
	Santa Clarita	\$646,797	\$276,639	\$21,639	\$945,075	\$331,890	\$3,916	\$609,269	\$609,269
	Santa Fe Springs	\$152,050	\$23,008	\$3,874	\$178,931	\$2,062	\$0	\$176,868	\$176,866
	Santa Monica	\$803,025	\$118,684	\$30,458	\$952,167	\$48,818	\$7,174	\$896,174	\$845,000
	Sierra Madre	\$15,350	\$13,967	\$515	\$29,832	\$0	\$0	\$29,832	\$29,832
	Signal Hill	\$75,550	\$14,805	\$1,988	\$92,343	\$1,300	\$0	\$91,043	\$91,042

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
	South El Monte	\$56,851	\$25,373	\$0	\$82,224	\$13,543	\$0	\$68,681	\$68,681
	South Gate	\$357,330	\$120,773	\$3,000	\$481,102	\$0	\$6,000	\$475,102	\$351,293
	South Pasadena	\$139,664	\$33,136	\$4,646	\$177,447	\$55,111	\$0	\$122,336	\$122,336
	Temple City	\$188,446	\$46,251	\$687	\$235,384	\$175,222	\$0	\$60,162	\$60,000
	Torrance	\$398,790	\$141,438	\$3,494	\$543,722	\$167,494	\$0	\$376,228	\$376,227
	Walnut	\$13,352	\$38,599	\$0	\$51,951	\$35,731	\$0	\$16,220	\$16,220
	West Covina	\$359,009	\$137,108	\$1,523	\$497,640	\$145,600	\$401	\$351,639	\$350,000
	West Hollywood	\$193,998	\$46,349	\$4,044	\$244,391	\$19,165	\$0	\$225,226	\$190,000
	Westlake Village	\$59,260	\$10,470	\$508	\$70,238	\$34,667	\$0	\$35,571	\$12,000
	Whittier	\$905,543	\$110,788	\$47,251	\$1,063,582	\$28,604	\$4,375	\$1,030,603	\$1,030,603
	County Total:	\$32,623,802	\$12,270,626	\$651,614	\$45,546,041	\$15,421,397	\$212,866	\$29,911,777	\$27,915,007
	Orange								
	Aliso Viejo	\$939,121	\$65,013	\$33,252	\$1,037,386	\$53,841	\$0	\$983,545	\$704,345
	Anaheim	\$215,070	\$453,863	\$2,235	\$671,168	\$415,207	\$10,170	\$245,791	\$230,000
	Brea	\$311,012	\$42,383	\$4,075	\$357,470	\$0	\$0	\$357,470	\$357,470
	Buena Park	\$684,897	\$103,782	\$8,043	\$796,722	\$348,221	\$0	\$448,501	\$438,456
	Costa Mesa	\$392,366	\$146,894	\$14,257	\$553,517	\$60,976	\$1,232	\$491,309	\$465,356
	County of Orange	\$243,742	\$162,350	\$4,880	\$410,972	\$35,000	\$3,205	\$372,767	\$315,000
	Cypress	\$0	\$63,060	\$0	\$63,060	\$63,060	\$0	\$0	\$0
	Dana Point	\$522,158	\$43,290	\$23,714	\$589,162	\$0	\$0	\$589,162	\$589,162
	Fountain Valley	\$419,497	\$71,711	\$7,386	\$498,594	\$71,209	\$0	\$427,385	\$285,964
	Fullerton	\$461,773	\$181,139	\$22,085	\$664,996	\$28,807	\$1,631	\$634,558	\$634,558
	Garden Grove	\$608,540	\$222,154	\$9,857	\$840,551	\$533,008	\$13,885	\$293,659	\$220,250
	Huntington Beach	\$1,070,664	\$258,442	\$34,998	\$1,364,104	\$101,031	\$1,118	\$1,261,955	\$1,000,000
	Irvine	\$530,257	\$355,419	\$22,967	\$908,643	\$331,412	\$16,416	\$560,815	\$560,815

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
	La Habra	\$35,202	\$80,452	\$568	\$116,222	\$81,020	\$0	\$35,202	\$30,000
	La Palma	\$159,205	\$19,911	\$6,023	\$185,140	\$0	\$0	\$185,140	\$185,140
	Laguna Beach	\$21,908	\$29,474	\$877	\$52,259	\$30,000	\$0	\$22,259	\$22,258
	Laguna Hills	\$224,205	\$39,894	\$5,124	\$269,223	\$0	\$0	\$269,223	\$269,223
	Laguna Niguel	\$565,152	\$84,519	\$16,569	\$666,240	\$57,809	\$0	\$608,431	\$608,431
	Laguna Woods	\$183,553	\$20,796	\$4,005	\$208,355	\$6,866	\$0	\$201,489	\$94,425
	Lake Forest	\$597,028	\$109,490	\$11,248	\$717,766	\$51,827	\$0	\$665,939	\$438,064
	Los Alamitos	\$99,565	\$13,669	\$1,935	\$115,169	\$0	\$0	\$115,169	\$106,210
	Mission Viejo	\$250,171	\$122,288	\$6,525	\$378,984	\$8,549	\$5,988	\$364,448	\$188,000
	Newport Beach	\$1,075,913	\$110,630	\$42,944	\$1,229,487	\$7,002	\$0	\$1,222,485	\$1,200,000
	Orange (City)	\$236,540	\$179,701	\$3,197	\$419,438	\$254,953	\$7,018	\$157,467	\$139,242
	Placentia	\$190,270	\$64,414	\$3,124	\$257,808	\$134,978	\$0	\$122,830	\$53,600
	Rancho Santa Margarita	\$257,140	\$61,953	\$5,055	\$324,148	\$131,464	\$0	\$192,684	\$192,683
	San Clemente	\$246,645	\$82,815	\$3,651	\$333,111	\$274,020	\$0	\$59,091	\$24,000
	San Juan Capistrano	\$336,454	\$46,553	\$9,711	\$392,718	\$37,526	\$0	\$355,192	\$266,394
	Santa Ana	\$1,086,119	\$436,428	\$21,835	\$1,544,382	\$113,327	\$20,734	\$1,410,321	\$1,400,245
	Seal Beach	\$0	\$31,649	\$76	\$31,725	\$31,725	\$0	\$0	\$0
	Stanton	\$239,434	\$49,707	\$4,625	\$293,765	\$61,777	\$2,100	\$229,888	\$229,000
	Tustin	\$429,882	\$103,176	\$15,999	\$549,057	\$0	\$203	\$548,854	\$548,854
	Villa Park	\$61,094	\$7,368	\$0	\$68,462	\$0	\$368	\$68,094	\$0
	Westminster	\$466,851	\$117,437	\$8,548	\$592,836	\$54,058	\$7,330	\$531,448	\$41,167
	Yorba Linda	\$1,095,414	\$87,002	\$40,397	\$1,222,813	\$166,615	\$0	\$1,056,198	\$543,000
	County Total:	\$14,256,842	\$4,068,828	\$399,785	\$18,725,455	\$3,545,289	\$91,397	\$15,088,768	\$12,381,312
Riverside									
	Banning	\$159,663	\$39,195	\$2,549	\$201,407	\$3,000	\$0	\$198,407	\$198,407

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
Beaumont		\$444,083	\$59,762	\$3,002	\$506,848	\$57,865	\$0	\$448,982	\$330,000
Calimesa		\$10,383	\$11,438	\$220	\$22,041	\$1,144	\$0	\$20,897	\$20,897
Canyon Lake		\$95,980	\$14,158	\$1,096	\$111,234	\$0	\$0	\$111,234	\$111,234
Cathedral City		\$134,745	\$52,863	\$10,767	\$198,375	\$51,933	\$0	\$146,442	\$146,442
Coachella		\$33,676	\$43,926	\$1,457	\$79,059	\$43,824	\$0	\$35,235	\$33,000
Corona		\$1,436,054	\$213,021	\$75,357	\$1,724,432	\$536,024	\$944	\$1,187,464	\$890,000
County of Riverside		\$434,202	\$499,553	\$11,092	\$944,847	\$236,547	\$0	\$708,300	\$570,000
Desert Hot Springs		\$35,905	\$36,815	\$53	\$72,773	\$27,611	\$0	\$45,162	\$45,162
Eastvale		\$347,549	\$83,484	\$7,789	\$438,822	\$9,820	\$0	\$429,002	\$429,002
Hemet		\$642,414	\$105,393	\$11,101	\$758,908	\$14,483	\$0	\$744,425	\$642,414
Indian Wells		\$9,883	\$6,724	\$289	\$16,896	\$6,449	\$0	\$10,447	\$10,000
Indio		\$190,296	\$112,964	\$7,616	\$310,876	\$84,723	\$1,854	\$224,299	\$190,296
Jurupa Valley		\$298,395	\$133,437	\$4,398	\$436,230	\$47,971	\$0	\$388,259	\$300,000
La Quinta		\$103,142	\$39,884	\$1,649	\$144,675	\$121,156	\$0	\$23,519	\$23,519
Lake Elsinore		\$329,165	\$79,515	\$13,830	\$422,510	\$10,000	\$0	\$412,510	\$412,510
Menifee		\$71,786	\$116,555	\$1,385	\$189,726	\$135,354	\$0	\$54,372	\$54,372
Moreno Valley		\$323,692	\$261,787	\$4,665	\$590,144	\$279,893	\$9,103	\$301,148	\$229,650
Murrieta		\$514,209	\$143,001	\$6,259	\$663,469	\$288,200	\$1,095	\$374,174	\$362,621
Norco		\$103,513	\$33,315	\$2,097	\$138,925	\$46,667	\$1,500	\$90,758	\$90,000
Palm Desert		\$137,642	\$67,634	\$459	\$205,735	\$180,710	\$0	\$25,025	\$25,000
Palm Springs		\$55,993	\$61,444	\$2,404	\$119,841	\$52,657	\$0	\$67,184	\$65,000
Perris		\$219,692	\$97,488	\$4,095	\$321,275	\$223,205	\$114	\$97,956	\$97,956
Rancho Mirage		\$75,025	\$23,212	\$419	\$98,657	\$17,409	\$0	\$81,248	\$81,247
Riverside (City)		\$1,254,171	\$422,883	\$42,036	\$1,719,090	\$667,398	\$1,549	\$1,050,143	\$1,050,142
San Jacinto		\$149,954	\$60,807	\$3,270	\$214,031	\$77,536	\$3,000	\$133,496	\$133,496

County	Local Name	Beginning Balance	Motor Vehicle Fees Received	Interest	Revenue	Project Spending	Admin	Funds	
								Ending Balance	Pre-designated for Future Year
	Temecula	\$225,540	\$142,094	\$4,778	\$372,412	\$346,264	\$0	\$26,148	\$26,148
	Wildomar	\$124,743	\$45,595	\$159	\$170,497	\$4,559	\$459	\$165,479	\$165,479
	County Total:	\$7,961,496	\$3,007,946	\$224,292	\$11,193,733	\$3,572,403	\$19,617	\$7,601,713	\$6,733,995
San Bernardino									
	Big Bear Lake	\$71,988	\$5,060	\$1,576	\$78,625	\$0	\$0	\$78,625	\$78,625
	Chino	\$790,417	\$112,519	\$14,559	\$917,494	\$299,259	\$0	\$618,234	\$600,000
	Chino Hills	\$548,545	\$106,867	\$31,652	\$687,064	\$7,167	\$4,643	\$675,254	\$528,522
	Colton	\$260,628	\$68,843	\$15,217	\$344,688	\$0	\$0	\$344,688	\$300,000
	County of San Bernardino	\$204,761	\$313,282	\$16,714	\$534,757	\$362,804	\$19,580	\$152,372	\$152,372
	Fontana	\$1,155,486	\$321,496	\$29,401	\$1,506,382	\$202,238	\$13,600	\$1,290,544	\$953,000
	Grand Terrace	\$42,233	\$11,934	\$257	\$54,424	\$54,353	\$0	\$71	\$0
	Highland	\$334,607	\$70,602	\$6,905	\$412,114	\$95,632	\$0	\$316,482	\$316,482
	Loma Linda	\$25,951	\$30,713	\$421	\$57,085	\$22,607	\$1,536	\$32,942	\$32,942
	Montclair	\$153,692	\$50,032	\$1,600	\$205,324	\$26,782	\$0	\$178,541	\$178,000
	Ontario	\$1,421,137	\$226,104	\$55,967	\$1,703,208	\$97,602	\$10,132	\$1,595,474	\$1,595,474
	Rancho Cucamonga	\$711,436	\$227,555	\$17,031	\$956,022	\$138,788	\$2,358	\$814,876	\$814,876
	Redlands	\$577,506	\$68,494	\$16,003	\$662,004	\$72,458	\$381	\$589,165	\$550,000
	Rialto	\$400,672	\$134,078	\$8,934	\$543,684	\$46,194	\$6,704	\$490,786	\$400,672
	San Bernardino (City)	\$882,846	\$242,708	\$12,984	\$1,138,538	\$246,861	\$325	\$891,352	\$699,045
	Upland	\$270,365	\$99,404	\$1,309	\$371,078	\$143,337	\$6,213	\$221,528	\$221,528
	Yucaipa	\$47,816	\$68,376	\$5,121	\$121,313	\$116,192	\$0	\$5,121	\$0
	County Total:	\$7,900,085	\$2,158,065	\$235,652	\$10,293,802	\$1,932,275	\$65,472	\$8,296,056	\$7,421,538
	GRAND TOTAL:	\$62,742,224	\$21,505,465	\$1,511,342	\$85,759,031	\$24,471,364	\$389,352	\$60,898,314	\$54,451,852

Number of Local Governments: 162

Local Government Administrative Costs

Fiscal Year 2019 - 2020

Local Government	Administrative Costs	Motor Vehicle Revenues	Admin Costs as % of Revenues
Agoura Hills	\$1,194	\$19,759	6%
Alhambra	\$1,976	\$81,076	2%
Aliso Viejo	\$0	\$65,013	0%
Anaheim	\$10,170	\$453,863	2%
Arcadia	\$0	\$74,551	0%
Artesia	\$0	\$14,529	0%
Azusa	\$0	\$48,879	0%
Baldwin Park	\$0	\$97,888	0%
Banning	\$0	\$39,195	0%
Beaumont	\$0	\$59,762	0%
Bell	\$641	\$34,776	2%
Bell Gardens	\$853	\$40,624	2%
Bellflower	\$0	\$99,184	0%
Beverly Hills	\$0	\$43,769	0%
Big Bear Lake	\$0	\$5,060	0%
Brea	\$0	\$42,383	0%
Buena Park	\$0	\$103,782	0%
Burbank	\$0	\$134,362	0%
Calabasas	\$0	\$30,591	0%
Calimesa	\$0	\$11,438	0%
Canyon Lake	\$0	\$14,158	0%
Carson	\$109	\$118,698	0%
Cathedral City	\$0	\$52,863	0%
Cerritos	\$3,981	\$63,706	6%
Chino	\$0	\$112,519	0%
Chino Hills	\$4,643	\$106,867	4%
Claremont	\$0	\$46,160	0%
Coachella	\$0	\$43,926	0%
Colton	\$0	\$68,843	0%
Commerce	\$0	\$12,285	0%
Compton	\$6,552	\$104,827	6%
Corona	\$944	\$213,021	0%
Costa Mesa	\$1,232	\$146,894	1%
County of LA	\$0	\$1,326,061	0%
County of Orange	\$3,205	\$162,350	2%
County of Riverside	\$0	\$499,553	0%
County of San Bernardino	\$19,580	\$313,282	6%
Covina	\$2,270	\$61,846	4%
Cudahy	\$345	\$31,215	1%
Culver City	\$0	\$51,636	0%
Cypress	\$0	\$63,060	0%
Dana Point	\$0	\$43,290	0%
Desert Hot Springs	\$0	\$36,815	0%
Diamond Bar	\$0	\$72,780	0%
Downey	\$5,007	\$144,841	3%
Duarte	\$0	\$27,690	0%
Eastvale	\$0	\$83,484	0%
El Monte	\$379	\$138,758	0%
El Segundo	\$0	\$21,492	0%
Fontana	\$13,600	\$321,496	4%
Fountain Valley	\$0	\$71,711	0%
Fullerton	\$1,631	\$181,139	1%
Garden Grove	\$13,885	\$222,154	6%
Gardena	\$3,500	\$75,439	5%
Glendale	\$0	\$196,976	0%
Glendora	\$3,623	\$65,964	5%

Local Government	Administrative Costs	Motor Vehicle Revenues	Admin Costs as % of Revenues
Grand Terrace	\$0	\$11,934	0%
Hawaiian Gardens	\$0	\$18,477	0%
Hawthorne	\$2,685	\$109,453	2%
Hemet	\$0	\$105,393	0%
Hermosa Beach	\$0	\$25,020	0%
Hidden Hills	\$0	\$2,233	0%
Highland	\$0	\$70,602	0%
Huntington Beach	\$1,118	\$258,442	0%
Huntington Park	\$0	\$37,031	0%
Indian Wells	\$0	\$6,724	0%
Indio	\$1,854	\$112,964	2%
Inglewood	\$0	\$142,731	0%
Irvine	\$16,416	\$355,419	5%
Irwindale	\$0	\$1,752	0%
Jurupa Valley	\$0	\$133,437	0%
La Canada Flintridge	\$0	\$19,530	0%
La Habra	\$0	\$80,452	0%
La Habra Heights	\$0	\$5,758	0%
La Mirada	\$0	\$62,711	0%
La Palma	\$0	\$19,911	0%
La Puente	\$157	\$51,595	0%
La Quinta	\$0	\$39,884	0%
La Verne	\$1,719	\$41,961	4%
Laguna Beach	\$0	\$29,474	0%
Laguna Hills	\$0	\$39,894	0%
Laguna Niguel	\$0	\$84,519	0%
Laguna Woods	\$0	\$20,796	0%
Lake Elsinore	\$0	\$79,515	0%
Lake Forest	\$0	\$109,490	0%
Lakewood	\$0	\$101,076	0%
Lawndale	\$0	\$41,217	0%
Loma Linda	\$1,536	\$30,713	5%
Lomita	\$0	\$24,567	0%
Long Beach	\$66,362	\$599,630	11%
Los Alamitos	\$0	\$13,669	0%
Los Angeles (City)	\$59,246	\$5,125,259	1%
Lynwood	\$0	\$57,781	0%
Malibu	\$0	\$15,123	0%
Manhattan Beach	\$2,100	\$64,294	3%
Maywood	\$0	\$34,284	0%
Menifee	\$0	\$116,555	0%
Mission Viejo	\$5,988	\$122,288	5%
Monrovia	\$0	\$48,720	0%
Montclair	\$0	\$50,032	0%
Montebello	\$5,121	\$81,346	6%
Monterey Park	\$0	\$78,277	0%
Moreno Valley	\$9,103	\$261,787	3%
Murrieta	\$1,095	\$143,001	1%
Newport Beach	\$0	\$110,630	0%
Norco	\$1,500	\$33,315	5%
Norwalk	\$0	\$135,367	0%
Ontario	\$10,132	\$226,104	4%
Orange (City)	\$7,018	\$179,701	4%
Palm Desert	\$0	\$67,634	0%
Palm Springs	\$0	\$61,444	0%
Palos Verdes Estates	\$0	\$17,024	0%
Paramount	\$3,498	\$69,973	5%
Pasadena	\$0	\$185,564	0%
Perris	\$114	\$97,488	0%
Pico Rivera	\$148	\$80,938	0%
Placentia	\$0	\$64,414	0%

Local Government	Administrative Costs	Motor Vehicle Revenues	Admin Costs as % of Revenues
Pomona	\$12,225	\$195,710	6%
Rancho Cucamonga	\$2,358	\$227,555	1%
Rancho Mirage	\$0	\$23,212	0%
Rancho Palos Verdes	\$0	\$53,834	0%
Rancho Santa Margarita	\$0	\$61,953	0%
Redlands	\$381	\$68,494	1%
Redondo Beach	\$5,124	\$88,371	6%
Rialto	\$6,704	\$134,078	5%
Riverside (City)	\$1,549	\$422,883	0%
Rolling Hills Estates	\$0	\$10,304	0%
Rosemead	\$0	\$69,738	0%
San Bernardino (City)	\$325	\$242,708	0%
San Clemente	\$0	\$82,815	0%
San Dimas	\$2,185	\$43,715	5%
San Fernando	\$0	\$23,654	0%
San Gabriel	\$0	\$52,080	0%
San Jacinto	\$3,000	\$60,807	5%
San Juan Capistrano	\$0	\$46,553	0%
San Marino	\$0	\$16,780	0%
Santa Ana	\$20,734	\$436,428	5%
Santa Clarita	\$3,916	\$276,639	1%
Santa Fe Springs	\$0	\$23,008	0%
Santa Monica	\$7,174	\$118,684	6%
Seal Beach	\$0	\$31,649	0%
Sierra Madre	\$0	\$13,967	0%
Signal Hill	\$0	\$14,805	0%
South El Monte	\$0	\$25,373	0%
South Gate	\$6,000	\$120,773	5%
South Pasadena	\$0	\$33,136	0%
Stanton	\$2,100	\$49,707	4%
Temecula	\$0	\$142,094	0%
Temple City	\$0	\$46,251	0%
Torrance	\$0	\$141,438	0%
Tustin	\$203	\$103,176	0%
Upland	\$6,213	\$99,404	6%
Villa Park	\$368	\$7,368	5%
Walnut	\$0	\$38,599	0%
West Covina	\$401	\$137,108	0%
West Hollywood	\$0	\$46,349	0%
Westlake Village	\$0	\$10,470	0%
Westminster	\$7,330	\$117,437	6%
Whittier	\$4,375	\$110,788	4%
Wildomar	\$459	\$45,595	1%
Yorba Linda	\$0	\$87,002	0%
Yucaipa	\$0	\$68,376	0%

Local Government Projects Funded by Category

Fiscal Year 2019 - 2020

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(1) Alternative Fuels/Electric Vehicles			
(1a) Alternative Fuel Vehicle Purchases			
Aliso Viejo		1 alternative fuel vehicle	\$35,011
Arcadia		Vehicle Replacement - Public Works Vehicle	\$25,000
Arcadia		Vehicle Replacement - Public Works Vehicle	\$25,000
Azusa		Alternative Fuel Sweeper Leases - Two	\$15,863
Azusa		Lease of Hybrid Pool Vehicles	\$3,904
Baldwin Park		Fleet Leasing Program	\$101,823
Baldwin Park		Fleet Leasing Program	\$9,893
Baldwin Park		Fleet Leasing Program	\$2,970
Beaumont		2020 Ford Fusion Plug In Hybrid	\$32,007
Buena Park		CNG Street Sweeper	\$294,627
Calabasas		Continued lease of City fleet	\$25,106
Corona		CNG Vactor Sewer Cleaning Truck	\$519,205
Covina		Purchase of 2 Mitsubishi Outlander Vehicles	\$70,376
Covina		One Prius Lease	\$1,961
Cudahy		2018 Toyota Highlander	\$9,791
Cudahy		2018 Ford Fusion	\$6,530
Cypress		Compressed Natural Gas Sewer Cleaning Truck	\$63,060
Fontana		AFV Rebate Program	\$1,000
Fullerton		Lease of Pool Cars	\$8,076
Gardena		Lease payments for (2) 2016 Ford Fusion Hybrid	\$13,656
Gardena		Lease payments for (1) 2018 Toyota Avalon Hybrid	\$10,936
Gardena		Lease payments for (1) 2019 Hyundai Ioniq	\$6,675
Huntington Park		Hybrid Leased Vehicles	\$17,013
Inglewood		Purchase of 11 hybrid vehicles	\$311,282
Jurupa Valley		Hybrid vehicle purchase 2019-20	\$47,971
La Mirada		Purchase Ford Fusion	\$28,486
La Puente		2020 FORD FUSION SPECIAL SERVICE PLUG-IN HYBRID (QTY 2)	\$77,010
La Puente		2019 FORD FUSION SPECIAL SERVICE PLUG-IN HYBRID (QTY 2)	\$75,517
La Puente		2020 FORD FUSION ENERGI	\$37,044
Laguna Niguel		Hybrid Lease Vehicles	\$24,733
Lawndale		Municipal Services - 2020 Toyota Prius	\$24,504
Long Beach		Differential Cost for Purchase of CNG vehicles	\$49,100
Long Beach		Differential Cost to purchase CNG vehicle	\$40,000
Long Beach		Differential Cost for Purchase of CNG Vehicles	\$31,815
Los Angeles (City)		Alt Fuel Veh Purch: 7 CNG Solid Resources Collection Veh	\$179,910
Los Angeles (City)		Alt Fuel Veh Purch: 8 New CNG Street Sweepers	\$179,910
Menifee		FY19-20 Alternative Fuel Vehicle Purchase	\$135,354
Norwalk		Cleaner Street Sweeping Contract	\$87,564
Orange (City)		Public Works Fleet Services Vehicle Replacement	\$80,000
Perris		Purchase of Six New Toyota Hybrid Vehicles	\$223,205
Pico Rivera		Two - 2014 Toyota Prius C	\$23,553
Pico Rivera		Lease payments (4) Hybrid Vehicles (2019 Toyota Prius L Eco)	\$17,315
Placentia		Replacement of City's Aging Aerial Buck Truck	\$76,000
Pomona		CNG Trash Trucks Lease Payment (22)	\$85,000
Pomona		CNG Ford F250	\$51,530
Riverside (City)		Vactor Truck Purchase	\$542,480
Riverside (City)		Electric Vehicle Rebate Program	\$2,500
San Jacinto		2020 GapVax Vactor Truck Purchase	\$71,536
Stanton		Purchase of 2 Plug-In Hybrids to replace aging pool cars	\$61,747
Temple City		5-year Contract lease of seven Alternative Fuel Vehicles	\$163,318
Temple City		Continued 1-year lease of seven Alternative Fuel Vehicles	\$11,904
Torrance		CNG Dump Truck Purchase	\$25,000
Upland		Vehicle Purchase	\$34,906
Upland		Vehicle Purchase	\$30,702
West Covina		Alternative-Fueled Vehicles Purchase (Continued)	\$144,040

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
Westlake Village		Lease of Alternative Fuel Vehicle	\$9,568
Yorba Linda		Alternative Fuel Vehicle Program	\$87,155
		Subcategory Total	\$4,371,142
	(1b) Alternative Fuel Vehicle Conversions		
Long Beach		Gas to CNG Conversion	\$250,287
		Subcategory Total	\$250,287
	(1c) Alternative Fuel Infrastructure (refueling, etc.)		
Alhambra		CNG Station Upgrade	\$6,000
Baldwin Park		Compressed Natural Gas Fueling Station	\$6,528
Los Angeles (City)		BOE Alt Fuel Infrastructure Eng Design & Tech Support	\$89,407
Monterey Park		CNG Station Compression Services Tariff (CST) Agreement	\$71,200
Newport Beach		CNG Station	\$7,002
Ontario		CNG Compressor Upgrade	\$76,330
San Bernardino (City)		Fuel Station Upgrade at City Yard	\$240,000
		Subcategory Total	\$496,467
	(1d) Electric Vehicle Purchases		
Aliso Viejo		2 (2020) electric vehicles	\$18,830
Carson		Acquisition of New Light Duty On-Road Electric Vehicles	\$140,000
El Monte		Public Works Electric Truck	\$52,946
El Segundo		Purchased 1 Nissan Leaf	\$28,797
Fontana		AFV Rebate Program	\$1,000
Fountain Valley		Purchased Two Electric Vehicle	\$71,209
Garden Grove		Alternative Fuel Vehicle Rebate Program	\$15,000
Gardena		Lease payment for (1) 2019 Tesla Model 3	\$1,345
Gardena		Lease payments for (1) 2020 Tesla Model 3	\$1,131
Highland		2020 Chevy Bolt EV	\$26,927
Irwindale		John Deere Electronic Utility Vehicles	\$2,850
La Puente		2019 GEM EM1400LSV ELECTRIC VEHICLE	\$7,114
Lomita		Lease of E Nissan Leaf vehicle to replace gas vehicle	\$3,943
Lomita		Lease of Volkswagen e-Golf vehicle to replace gas vehicle	\$3,303
Monrovia		Purchased five 2020 Chevrolet Bolt Electric Vehicles	\$136,669
Orange (City)		Electric Motor Vehicle Replacement	\$37,758
Orange (City)		Public Works Fleet Replacement	\$26,195
Paramount		Electric Gold Carts	\$11,969
Paramount		Purchase of Electric Gator	\$11,394
Placentia		Purchase of 10 Chevy EV Sparks	\$50,851
Redlands		Partially fund 1 Zeus 305 Electric Utility Shuttle	\$72,458
San Juan Capistrano		Purchase Club Car CA500 Model 104030201, C	\$11,593
Santa Monica		EV Purchases - 4 Motorcycles for Police Dept.	\$43,818
Westminster		WOW Van	\$39,872
		Subcategory Total	\$816,971
	(1e) Electric Vehicle Conversions		
Long Beach		Gas to Electric Conversion	\$5,700
		Subcategory Total	\$5,700
	(1f) Electric Veh Infrastructure		
Agoura Hills		Charging Station Installation	\$7,466
Alhambra		Design and Installation of EV Charging Stations	\$21,056
Artesia		Electric Vehicle and Bus Charging Facility Project	\$50,000
Buena Park		EV Charging Stations	\$42,329
Chino		Electric Vehicle Charging Station	\$294,008
Costa Mesa		City Hall EV Charging Station	\$24,051
Downey		Electric Vehicle Charging Station	\$2,871
Eastvale		EV Charging Stations	\$1,472
El Monte		Municipal Parking Lot Electric Vehicle Charging Stations	\$20,670
Gardena		Electric Vehicle Charging Station	\$5,595
Glendora		Installation of Electric Vehicle Charger	\$24,942
Grand Terrace		Charging Station Improvements	\$49,353
Hawaiian Gardens		Electric Charging Stations	\$2,820
Hemet		Electric Vehicle Charging Stations (2)	\$9,483
Highland		Electric Vehicle Charging Stations EVC19001	\$17,291
Irvine		Electric Vehicle Infrastructure	\$9,787

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
La Canada Flintridge		Installation of electric vehicle charging stations	\$5,285
La Canada Flintridge		Ongoing software support/ network plan	\$3,114
La Quinta		2019 - 12 ELECTRIC VEHICLE CHARGING STATIONS	\$88,444
La Quinta		2019 - ELECTRIC VEHICLE CHARGING STATIONS - Utilities	\$2,799
Long Beach		Electric Vehicle Charging Stations	\$152,052
Los Angeles (City)		LADOT / St Lamp Post Installation of EV Chargers Citywide	\$854,275
Manhattan Beach		EV Chargers	\$10,500
Murrieta		CIP10036 Electric Vehicle Charging Stations	\$288,200
Norco		EV Charging Stations	\$46,667
Palm Desert		Installation of three EV Charging Stations	\$122,425
Palm Desert		SCE Meter and Service	\$2,483
Paramount		Electric Vehicle Charging Stations	\$17,587
Pico Rivera		City Hall Electric Vehicle Charging Stations (EVCS)	\$148
Rancho Cucamonga		ELECTRIC VEHICLE FAST CHARGE	\$19,872
San Dimas		Electrical Charging Station	\$113,859
Santa Ana		EV Charging Station	\$52,100
Santa Clarita		Electric Veh Infrastructure (R0022)	\$24,680
Santa Clarita		SCV Sheriff Station EV Charging Station (F3023)	\$18,623
Santa Clarita		Santa Clara River Trail EV Charging Station	\$4,929
Upland		SCIP EV Charging Station	\$64,427
Westlake Village		Electric Vehicle Charging Station Software	\$24,496
Westlake Village		Electric Vehicle Charging Station Installations	\$603
Westminster		Electric Vehicle Charging Station	\$9,129
		Subcategory Total	\$2,509,892
	(1h) Alternative Fuel Vehicle Research & Development		
Laguna Woods		City Hall Refurbish Safety: Ph3/Electric Vehicle	\$5,285
Malibu		Electric Vehicle Charging Stations (Design)	\$813
		Subcategory Total	\$6,098
		Category Total	\$8,456,557
(2) Vehicle Emissions Abatement			
	(2a) Off Road Veh Cleaner Diesel Purchases, Repowers, & Retrofits		
South El Monte		Electric 60" Riding Mower	\$13,543
		Subcategory Total	\$13,543
		Category Total	\$13,543
(3) Land Use			
	(3a) Plan Elements		
Los Angeles (City)		Land Use–LADOT Complete Streets	\$1,299,705
Moreno Valley		Dracaea Greenway Master Plan	\$20,847
Santa Ana		General Plan Update & Land Use	\$41,341
Santa Ana		General Plan Circulation Element	\$5,834
Temecula		Bikeway Master Plan - Continued	\$168,656
Whittier		Dev. Gateway COG strategic transportation plan	\$15,497
		Subcategory Total	\$1,551,880
	(3b) Development Guidelines		
Hawaiian Gardens		Regional Transportation Plan	\$7,150
Pico Rivera		Development of Strategic Transportation Plans	\$12,575
San Juan Capistrano		Consultant for SB 743 Implementation	\$4,500
		Subcategory Total	\$24,225
	(3c) Facilities (Pedestrian, mixed use, etc.)		
Yucaipa		Street sidewalks - Ave E, Adams St, Yucaipa Blvd	\$116,192
		Subcategory Total	\$116,192
	(3d) Land Use Research		
Bell Gardens		FY19/20 Gateway Cities COG-I-710 Major Corridor Study	\$10,000
Bell Gardens		FY 20/21 Gateway Cities COG-I-710 Major Corridor study	\$10,000
Lakewood		91/605/405 COG Major Corridor Study	\$10,000
Signal Hill		2019 LOCAL STREETS AND ROADS NEEDS ASSESSMENT	\$300
		Subcategory Total	\$30,300
		Category Total	\$1,722,597

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(4) Public Transportation (Transit & Rail)			
(4a) Public Transportation Facilities (multi-modal, shelters)			
Anaheim		PROJECT STATION IMPROVEMENTS	\$47,949
Bell Gardens		Bus Shelter	\$99,356
Los Angeles (City)		Mobility Hubs	\$533,213
Santa Clarita		Vista Canyon Regional Center (T3021)	\$177,228
Subcategory Total	\$857,746	(4c) Transit Operations (new service, shuttles, fuel subsidies)	
Grand Terrace		Senior Transportation Program	\$5,000
Huntington Beach		4th of July/U.S Open/Air Show Shuttle	\$31,829
La Habra		Shuttle to Transport Seniors	\$81,020
Laguna Beach		Free Main Line Service During the Summer.	\$29,850
Placentia		Senior Mobility Program	\$8,128
Riverside (City)		Festival of Lights Shuttle Service	\$3,611
San Clemente		San Clemente Summer Trolley	\$274,020
San Juan Capistrano		Trolley Program	\$11,741
Seal Beach		Senior Transportation Nutrition Shuttle	\$31,725
		Subcategory Total	\$476,923
(4d) Passenger Fare Subsidies			
Anaheim		Metrolink OCTA Subsidies	\$123,976
Azusa		Transit Pass Subsidy	\$1,461
Claremont		Public Transportation Reimbursement	\$1,333
Corona		Corona Cruiser Fare Subsidy	\$8,666
Covina		Commuter Choice	\$770
Garden Grove		Transit Subsidy (Metrolink & Bus)	\$3,671
Glendale		Transit Fare Subsidy	\$42,400
Norwalk		Transit Subsidy	\$9,990
Riverside (City)		Riverside Go Transit Bus Pass Subsidy Program	\$68,485
Riverside (City)		City Pass Program	\$15,290
Santa Fe Springs		GO RIO (2019-2020)	\$2,062
South Pasadena		Free Ride to Work Bus Pass Program	\$73
Walnut		Bus Pass Subsidies	\$5,731
		Subcategory Total	\$283,908
(4e) Public Transportation Research and Dev			
Anaheim		PROJECT V GRANT APPLICATION	\$14,873
		Subcategory Total	\$14,873
		Category Total	\$1,633,451
(5) Traffic Management			
(5a) Traffic Calming			
Diamond Bar		Neighborhood Traffic Management Program	\$30,000
Hawaiian Gardens		Replace Speed Radar Signs	\$13,943
Long Beach		15th Street Traffic Calming	\$653,785
Long Beach		Citywide 8 to 80 Connections	\$45,192
Long Beach		Delta Ave Bike Blvd	\$42,023
Rancho Santa Margarita		Traffic Calming at Aveinida de los Fundadores	\$30,000
		Subcategory Total	\$814,943
(5b) Traffic Flow or Signalization (timing, surveillance)			
Bell Gardens		FY 19/20 SR-91/I-604/I-405 "Hot Spots" Gateway Project	\$22,600
Bell Gardens		FY 20/21 SR-91/I-604/I-405 "Hot Spots" Gateway Project	\$22,500
Chino Hills		Initial work on signal synchronization	\$7,167
Costa Mesa		Sunflower Avenue Traffic Signal Synchronization Project	\$18,220
Costa Mesa		Bear Street Traffic Signal Synchronization Project	\$15,845
Fontana		San Bernardino Valley Coordinated Traffic Signal System	\$187,954
Highland		Traffic Signal Synchronization	\$51,414
Huntington Beach		Edinger signal synchronization	\$25,166
Huntington Beach		Adams signal synchronization	\$24,589
Irvine		Irvine Traffic Research and Control Center Signal Timing	\$45,299
Laguna Niguel		Traffic Signal Coordination	\$33,076
Lake Forest		El Toro Road Traffic Signal Synchronization	\$5,808

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
Lake Forest		Los Alisos Traffic Signal Synchronization	\$1,557
Los Angeles (City)		Glenoaks Boulevard	\$208,410
Los Angeles (City)		Woodley Avenue	\$175,487
Los Angeles (City)		West Slauson Avenue	\$86,151
Los Angeles (City)		Western Avenue	\$84,451
Los Angeles (City)		East Olympic Boulevard	\$74,071
Los Angeles (City)		North Broadway	\$61,166
Los Angeles (City)		Glendale Boulevard	\$60,911
Los Angeles (City)		Jefferson Boulevard	\$58,938
Los Angeles (City)		Cesar E Chavez Avenue	\$52,062
Los Angeles (City)		Beverly Glen Boulevard	\$36,409
Los Angeles (City)		Fairfax Avenue	\$31,347
Los Angeles (City)		South Beverly Glen Boulevard	\$29,526
Los Angeles (City)		Virgil Avenue	\$29,124
Los Angeles (City)		East Mission Road	\$11,949
Mission Viejo		Alicia Parkway TSS	\$8,549
Moreno Valley		Traffic Signal Coordination Program	\$15,668
Pomona		Traffic Operations Communication Upgrade	\$33,288
Pomona		Traffic Signal and Street Light Program	\$5,000
Rancho Cucamonga		FWY/Arterial Synchronization Project	\$63,050
Rancho Santa Margarita		Traffic Signal battery Backup System (Carryover)	\$90,276
Rancho Santa Margarita		SMP Signal & Equipment Upgrade	\$6,058
Rancho Santa Margarita		Los Alisos/Melinda Road Signal Equipment Update	\$5,130
Riverside (City)		Riverside Traffic Management Center	\$1,443
Santa Clarita		Signal Synchronization Phase V (C0048)	\$100,732
		Subcategory Total	\$1,790,389
	(5c) Alternate Mode Signalization (transit/bike pre-emption)		
Cerritos		Installation of Audible Push Buttons at Traffic Signal	\$13,300
Yorba Linda		Parking Structure Wayfinding System	\$79,460
		Subcategory Total	\$92,760
	(5d) Traffic Management Research and Dev		
Huntington Beach		Traffic Counts	\$400
Lake Forest		Prof Serv-Traffic Engineer for Traffic Signal Monitoring	\$38,468
Lake Forest		Signal Maintenance Centracs Software	\$5,994
Los Angeles (City)		Traffic Calming Studies and Implementation	\$399,909
Signal Hill		I-710 CORRIDOR EIR/EIS REPORT	\$1,000
		Subcategory Total	\$445,771
		Category Total	\$3,143,863
(6) Transportation Demand Management			
	(6a) Employer-Based Trip Reduction		
Anaheim		TRIP REDUCTION	\$80,376
Arcadia		Rideshare Plus Program	\$17,285
Azusa		Rideshare Financial Incentives	\$6,929
Baldwin Park		Employer Trip Reduction Incentive Programs	\$1,238
Bell Gardens		Employees Rideshare Subsidies	\$1,820
Buena Park		Employer Trip Reduction Program	\$11,265
Burbank		Employee Transit Subsidies	\$71,694
Burbank		Employee Rideshare Subsidies	\$63,838
Carson		Employee Carpool Program	\$18,184
Cerritos		City Employee Rideshare Trip Rebate Program	\$20,055
Commerce		Employer Based Trip Reduction	\$12,285
County of LA		Countywide Rideshare Program	\$2,350,221
County of Orange		Employee Rideshare program	\$35,000
County of Riverside		Commuter Service Rideshare Program	\$100,584
County of San Bernardino		Employee Commute Reduction Program	\$318,754
Downey		Downey Employee "Thumbs Up" Commuting Program	\$127,517
El Monte		Monthly Rideshare Incentive	\$44,907
Fontana		Employee Rideshare Program	\$11,833
Garden Grove		TDM Services	\$42,713
Glendale		Employer Based Trip Reduction Program	\$84,790

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
Hawthorne		Financial Incentive for Rideshare	\$1,840
Hermosa Beach		Auto Trip Reduction	\$3,690
Huntington Beach		Employee Rideshare Program	\$19,048
La Verne		Bike, Carpool, Walk, Incentive Program	\$6,466
Los Angeles (City)		Employer's Transit Subsidy Program	\$716,844
Los Angeles (City)		Employer's Carpool Transit Incentive Program	\$152,284
Los Angeles (City)		Bicycle/Walk Incentive Program	\$24,106
Monrovia		Rideshare Incentive	\$5,550
Montclair		Ride Share Program	\$26,782
Montebello		Employee Commute Reduction Program	\$19,425
Ontario		Rideshare	\$21,272
Orange (City)		Trip Reduction Program	\$102,630
Palm Desert		City Rideshare Program	\$597
Palm Springs		Rideshare and Alternative Vehicle Incentives	\$6,574
Pasadena		Rideshare program	\$84,975
Rancho Cucamonga		RIDESHARE PROGRAM	\$14,362
Redondo Beach		Employee Rideshare	\$51,556
Rialto		Employee Rideshare Program	\$46,194
Riverside (City)		Employee Rideshare Program	\$900
San Bernardino (City)		Rideshare Program	\$6,861
Santa Ana		Blue Skies Rideshare	\$14,052
Santa Clarita		Rideshare passes	\$1,763
Stanton		Commute Incentive Program	\$30
Torrance		Employee Rideshare	\$142,494
Upland		Rideshare Activities	\$13,302
West Hollywood		Alternative Transportation Mode Incentive	\$19,165
Westminster		Employee Rideshare Program	\$5,057
Whittier		Employee Based Trip Reduction	\$3,230
		Subcategory Total	\$4,932,337
(6b) Other Trip Reduction Incentive Programs			
Laguna Beach		Free Ride to Work Program	\$150
Los Angeles (City)		Carshare and Bikeshare Professional Services	\$323,269
Monterey Park		Employee Rideshare Program	\$16,000
San Juan Capistrano		Senior Nutritional Transportation Program	\$9,692
Whittier		GO RIO Rio Hondo College bus pass program	\$9,268
		Subcategory Total	\$358,379
(6c) Vanpool Programs			
Anaheim		Vanpool	\$120,136
County of San Bernardino		Vanpool Subsidy Program	\$44,050
Garden Grove		Vanpool Program Conventional Gas	\$57,676
Los Angeles (City)		Employer's Vanpool Program	\$52,168
		Subcategory Total	\$274,030
(6d) Park and Ride Lots (for carpools, transit)			
Irvine		Security Service Provided by Irvine PS at Train Station	\$160,527
		Subcategory Total	\$160,527
(6e) Telecommunication			
Beaumont		Computer and Computer Supplies	\$22,190
Beaumont		Software	\$3,668
Bell Gardens		Purchased a webcam with microphone	\$28
Corona		Microsoft Surface Pros (two) Telecommuting Tablets	\$2,153
County of Riverside		Purchase of Video Conference System for COB/BOS	\$40,140
Laguna Woods		Telecommuting	\$1,580
Pasadena		Telecommuting	\$210,257
South Pasadena		Teleworking	\$55,038
		Subcategory Total	\$335,054
(6f) Transportation Management Agencies/Organizations			
Glendale		Transportation Management Agency Services	\$8,111
Irvine		Irvine Spectrum TMA	\$4,163
Los Angeles (City)		LADOT Trip Reduction Program Implementation	\$1,317,767
		Subcategory Total	\$1,330,041
		Category Total	\$7,390,368

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
(8) Bicycles			
(8a) Bicycle Lanes and Trails (also bridges)			
Artesia		Historic District Recreational Trails	\$1,082
Fontana		Alder-Locust-Ramona SRTS	\$452
Fullerton		East Wilshire Bike Boulevard	\$9,502
Garden Grove		Active Transportation Program	\$400,000
Irvine		Infrastructure and Amenity Improvements for Bike Lanes	\$103,368
Lomita		Installation of bicycle lanes	\$10,810
Long Beach		Pier J Bicycle Path	\$34,426
Long Beach		3rd & Broadway Cycle Track	\$25,722
Long Beach		Willow Bike Path Gap Closure	\$124
Rancho Cucamonga		PE TRAIL ENHANCEMENTS	\$41,504
Temecula		Bike Lane and Trail Program Temecula Creek South Side Trail	\$67,845
Temecula		Citywide Buffered Bike Lane Striping	\$50,000
		Subcategory Total	\$744,836
(8b) Other Bicycle Facilities (racks, lockers, loop detectors)			
Costa Mesa		Citywide Bicycle Rack Improvements	\$2,860
La Canada Flintridge		Purchase and installation of bicycle racks	\$4,280
Long Beach		Citywide Bikeway Signage/Wayfinding	\$1,080
Riverside (City)		BikeRiverside	\$394
Temecula		Bike Lane and Trail Program Citywide Implementation	\$49,763
		Subcategory Total	\$58,377
(8c) Bicycle Usage (electric bikes, purchases, loaner projects)			
Inglewood		Purchase of 8 electric bikes	\$23,358
Orange (City)		Police Bike Team	\$8,370
Paramount		Purchase of Bicycle	\$1,167
		Subcategory Total	\$32,895
(8d) Bicycle Research and Dev (engineering studies)			
Garden Grove		Bicycle Corridor Improvement Project	\$13,948
		Subcategory Total	\$13,948
		Category Total	\$850,056
(9) PM Reduction Strategies			
(9a) Road Dust Control (paving roads, shoulders, street sweeping)			
Cathedral City		Regional PM10 Street Sweeping Program Using 2 Sweepers	\$51,933
Coachella		Regional PM10 Street Sweeping Program Using 2 Sweepers	\$43,824
County of Riverside		Regional PM10 Street Sweeping Program Using 2 Sweepers	\$51,278
Desert Hot Springs		Regional PM10 Street Sweeping Program Using 2 Sweepers	\$27,611
El Monte		Regional PM10 Street Sweeper Contract (2 Vehicles)	\$27,771
Hawthorne		RM 10 reduction street sweeping project	\$100,000
Indian Wells		Regional PM10 Street Sweeping Program Using 2 Sweepers	\$6,449
Indio		Regional PM10 Street Sweeping Program Using 2 Sweepers	\$84,723
La Quinta		Regional PM10 Street Sweeping Program Using 2 Sweepers	\$29,913
Loma Linda		City Street Sweeping	\$22,607
Lomita		Leasing alternative fuel street sweepers	\$15,000
Moreno Valley		Street Sweeping Program	\$228,378
Palm Desert		Regional PM10 Street Sweeping Program Using Two Sweepers	\$50,725
Palm Springs		Regional PM Street Sweeping Program Using 2 Sweepers	\$46,083
Rancho Mirage		Regional PM10 Street Sweeping Program Using 2 Sweepers	\$17,409
Walnut		Street Sweeping with CNG Sweeper	\$30,000
		Subcategory Total	\$833,705
		Category Total	\$833,705
(10) Public Education			
(10a) Short Term PE (promote transit, rideshare; conferences)			
Anaheim		RIDESHARE OUTREACH	\$27,897
Banning		WRCOG Clean Cities Coalition program	\$3,000
Calimesa		Clean Cities Coalition	\$1,144
Corona		Western Riverside Council of Gov. Clean Cities Coalition	\$6,000
County of Riverside		WRCOG Clean Cities Coalition Program	\$25,000

Project Category	Project Subcategory	Project Name	Motor Vehicle Expenditures
Eastvale		WRCOG FY19-20 Clean Cities Coalition	\$8,348
Hemet		WRCOG Clean Cities Coalition	\$5,000
Lake Elsinore		Clean Cities Coalition (WRCOG)	\$10,000
Moreno Valley		WRCOG - Clean Cities Coalition	\$15,000
Riverside (City)		Clean Cities Coalition	\$25,000
San Jacinto		WRCOG Clean Cities Coalition	\$6,000
Santa Clarita		Promotion & advertising (bike to work)	\$1,499
Santa Clarita		Rideshare (bike to work)	\$686
Santa Monica		Public Education	\$5,000
Temecula		Clean Cities Coalition	\$10,000
Wildomar		Clean Cities Coalition	\$4,559
		Subcategory Total	\$154,133
	(10b) Long Term PE (curriculum, video, brochures, bilingual)		
Long Beach		Livability Initiative	\$3,374
Los Angeles (City)		Sustainability Transportation Outreach and Pilots	\$74,293
		Subcategory Total	\$77,667
		Category Total	\$231,800
(11) Miscellaneous Projects			
	(11a) Miscellaneous (use with "Miscellaneous Projects" Category)		
Alhambra		South Coast Air Quality MGT	\$136
Chino		Vehicle Emission Credits Purchased	\$5,251
County of Riverside		Rule 2202 Multisite Cluster Registration	\$13,546
County of Riverside		Audit of AB2766 Revenue and Expense	\$6,000
Downey		2020 Audit	\$1,910
El Monte		Rule 2202 Filing Fees	\$694
Fullerton		Rule 2202 Emission Credits	\$11,229
Gardena		Gardena Rule 2202 Compliance	\$45,307
Inglewood		Rule 2202 MSERC's	\$9,600
Inglewood		AQMD Audit Fees	\$6,000
Irvine		Purchase Rule 2202 Credits	\$8,268
Long Beach		E-Scooter Pilot Program	\$42,462
Long Beach		Rule 2202 Compliance	\$1,908
Long Beach		Bike Share Pilot/Ops/Marketing	\$1,080
Los Angeles (City)		Annual AB2766 Audit	\$12,742
Norwalk		AB 2766 Audit Expenses	\$2,810
Palm Desert		ChargePoint Network Service	\$4,480
Pomona		Compliance Rule 2202	\$4,449
Pomona		AB2766 Audit Expenses	\$3,344
Pomona		Purchase of Emission Credits	\$2,995
Riverside (City)		AQMD Rule 2202 Compliance	\$7,296
Santa Clarita		Audit Expenses	\$1,750
West Covina		AQMD 2766 Annual Audit Fee	\$1,560
Whittier		Rule 2202 Filing fee	\$609
		Subcategory Total	\$195,425
		Category Total	\$195,425
		GRAND TOTAL:	\$24,471,364

Percent of Project Expenditures by Project Category

Fiscal Year 2019 - 2020

Project Category	Project Expenditures	Percent of Total Project Expenditures	Number of Projects
(1) Alternative Fuels/Electric Vehicles	\$8,456,557	35%	131
(6) Transportation Demand Management	\$7,390,368	30%	69
(5) Traffic Management	\$3,143,863	13%	50
(3) Land Use	\$1,722,597	7%	14
(4) Public Transportation (Transit & Rail)	\$1,633,451	7%	27
(8) Bicycles	\$850,056	3%	21
(9) PM Reduction Strategies	\$833,705	3%	16
(10) Public Education	\$231,800	1%	18
(11) Miscellaneous Projects	\$195,425	1%	24
(2) Vehicle Emissions Abatement	\$13,543	0%	1
	\$24,471,364	100%	371

Summary of Spending by Project SubCategory

Fiscal Year 2019 - 2020

Subcategory	Category	Expenditures by Subcategory	Number of Projects
(1) Alternative Fuels/Electric Vehicles			
(1a)	Alternative Fuel Vehicle Purchases	\$4,371,142	57
(1b)	Alternative Fuel Vehicle Conversions	\$250,287	1
(1c)	Alternative Fuel Infrastructure (refueling, etc.)	\$496,467	7
(1d)	Electric Vehicle Purchases	\$816,971	24
(1e)	Electric Vehicle Conversions	\$5,700	1
(1f)	Electric Veh Infrastructure	\$2,509,892	39
(1h)	Alternative Fuel Vehicle Research & Development	\$6,098	2
(2) Vehicle Emissions Abatement			
(2a)	Off Road Veh Cleaner Diesel Purchases, Repowers, &	\$13,543	1
(3) Land Use			
(3a)	Plan Elements	\$1,551,880	6
(3b)	Development Guidelines	\$24,225	3
(3c)	Facilities (Pedestrian, mixed use, etc.)	\$116,192	1
(3d)	Land Use Research	\$30,300	4
(4) Public Transportation (Transit & Rail)			
(4a)	Public Transportation Facilities (multi-modal, shelters)	\$857,746	4
(4c)	Transit Operations (new service, shuttles, fuel subsidies)	\$476,923	9
(4d)	Passenger Fare Subsidies	\$283,908	13
(4e)	Public Transportation Research and Dev	\$14,873	1
(5) Traffic Management			
(5a)	Traffic Calming	\$814,943	6
(5b)	Traffic Flow or Signalization (timing, surveillance)	\$1,790,389	37
(5c)	Alternate Mode Signalization (transit/bike pre-emption)	\$92,760	2
(5d)	Traffic Management Research and Dev	\$445,771	5
(6) Transportation Demand Management			
(6a)	Employer-Based Trip Reduction	\$4,932,337	48
(6b)	Other Trip Reduction Incentive Programs	\$358,379	5
(6c)	Vanpool Programs	\$274,030	4
(6d)	Park and Ride Lots (for carpools, transit)	\$160,527	1
(6e)	Telecommunication	\$335,054	8
(6f)	Transportation Management Agencies/Organizations	\$1,330,041	3
(8) Bicycles			
(8a)	Bicycle Lanes and Trails (also bridges)	\$744,836	12
(8b)	Other Bicycle Facilities (racks, lockers, loop detectors)	\$58,377	5
(8c)	Bicycle Usage (electric bikes, purchases, loaner projects)	\$32,895	3
(8d)	Bicycle Research and Dev (engineering studies)	\$13,948	1
(9) PM Reduction Strategies			
(9a)	Road Dust Control (paving roads, shoulders, street sweeping)	\$833,705	16

Subcategory	Category	Expenditures by Subcategory	Number of Projects
(10) Public Education			
(10a)	Short Term PE (promote transit, rideshare; conferences)	\$154,133	16
(10b)	Long Term PE (curriculum, video, brochures, bilingual)	\$77,667	2
(11) Miscellaneous Projects			
(11a)	Miscellaneous (use with "Miscellaneous Projects" Category)	\$195,425	24
Grand Total		\$24,471,364	371

Project Funding Sources

Fiscal Year 2019 - 2020

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding ⁸
Agoura Hills					
Charging Station Installation	\$7,466	\$0	\$0	\$0	\$0
Alhambra					
CNG Station Upgrade	\$6,000	\$0	\$0	\$0	\$0
Design and Installation of EV Charging Stations	\$21,056	\$0	\$0	\$0	\$0
South Coast Air Quality MGT	\$136	\$0	\$0	\$0	\$0
Aliso Viejo					
1 alternative fuel vehicle	\$35,011	\$0	\$0	\$0	\$0
2 (2020) electric vehicles	\$18,830	\$18,829	\$0	\$0	\$0
Anaheim					
Metrolink OCTA Subsidies	\$123,976	\$0	\$0	\$0	\$17,297
PROJECT STATION IMPROVEMENTS	\$47,949	\$0	\$0	\$0	\$4,527
PROJECT V GRANT APPLICATION	\$14,873	\$0	\$0	\$0	\$1,404
RIDESHARE OUTREACH	\$27,897	\$0	\$0	\$0	\$2,790
TRIP REDUCTION	\$80,376	\$0	\$0	\$0	\$7,648
Vanpool	\$120,136	\$0	\$0	\$0	\$16,073
Arcadia					
Rideshare Plus Program	\$17,285	\$0	\$0	\$0	\$0
Vehicle Replacement - Public Works Vehicle	\$25,000	\$0	\$0	\$0	\$0
Vehicle Replacement - Public Works Vehicle	\$25,000	\$0	\$0	\$0	\$0
Artesia					
Electric Vehicle and Bus Charging Facility Project	\$50,000	\$50,000	\$0	\$0	\$157,573
Historic District Recreational Trails	\$1,082	\$0	\$0	\$0	\$15,438
Azusa					
Alternative Fuel Sweeper Leases - Two	\$15,863	\$0	\$0	\$0	\$5,288
Lease of Hybrid Pool Vehicles	\$3,904	\$0	\$0	\$0	\$0
Rideshare Financial Incentives	\$6,929	\$0	\$0	\$0	\$0
Transit Pass Subsidy	\$1,461	\$0	\$0	\$0	\$0

⁸ Jurisdiction or other funds that are not MSRC, CMAQ or Moyer funds.

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Baldwin Park					
Compressed Natural Gas Fueling Station	\$6,528	\$0	\$0	\$0	\$0
Employer Trip Reduction Incentive Programs	\$1,238	\$0	\$0	\$0	\$0
Fleet Leasing Program	\$101,823	\$0	\$0	\$0	\$0
Fleet Leasing Program	\$9,893	\$0	\$0	\$0	\$0
Fleet Leasing Program	\$2,970	\$0	\$0	\$0	\$0
Banning					
WRCOG Clean Cities Coalition program	\$3,000	\$0	\$0	\$0	\$0
Beaumont					
2020 Ford Fusion Plug In Hybrid	\$32,007	\$0	\$0	\$0	\$0
Computer and Computer Supplies	\$22,190	\$0	\$0	\$0	\$0
Software	\$3,668	\$0	\$0	\$0	\$0
Bell Gardens					
Bus Shelter	\$99,356	\$0	\$0	\$0	\$0
Employees Rideshare Subsidies	\$1,820	\$0	\$0	\$0	\$0
FY 19/20 SR-91/I-604/I-405 "Hot Spots" Gateway Project	\$22,600	\$0	\$0	\$0	\$0
FY 20/21 Gateway Cities COG-I-710 Major Corridor study	\$10,000	\$0	\$0	\$0	\$0
FY 20/21 SR-91/I-604/I-405 "Hot Spots" Gateway Project	\$22,500	\$0	\$0	\$0	\$0
FY19/20 Gateway Cities COG-I-710 Major Corridor Study	\$10,000	\$0	\$0	\$0	\$0
Purchased a webcam with microphone	\$28	\$0	\$0	\$0	\$0
Buena Park					
CNG Street Sweeper	\$294,627	\$0	\$0	\$0	\$0
Employer Trip Reduction Program	\$11,265	\$0	\$0	\$0	\$0
EV Charging Stations	\$42,329	\$107,960	\$0	\$0	\$88,148
Burbank					
Employee Rideshare Subsidies	\$63,838	\$0	\$0	\$0	\$0
Employee Transit Subsidies	\$71,694	\$0	\$0	\$0	\$0
Calabasas					
Continued lease of City fleet	\$25,106	\$0	\$0	\$0	\$0
Calimesa					
Clean Cities Coalition	\$1,144	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Carson					
Acquisition of New Light Duty On-Road Electric Vehicles	\$140,000	\$0	\$0	\$0	\$24,668
Employee Carpool Program	\$18,184	\$0	\$0	\$0	\$0
Cathedral City					
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$51,933	\$0	\$0	\$0	\$0
Cerritos					
City Employee Rideshare Trip Rebate Program	\$20,055	\$0	\$0	\$0	\$0
Installation of Audible Push Buttons at Traffic Signal	\$13,300	\$0	\$0	\$0	\$0
Chino					
Electric Vehicle Charging Station	\$294,008	\$103,868	\$0	\$0	\$0
Vehicle Emission Credits Purchased	\$5,251	\$0	\$0	\$0	\$0
Chino Hills					
Initial work on signal synchronization	\$7,167	\$0	\$0	\$0	\$0
Claremont					
Public Transportation Reimbursement	\$1,333	\$0	\$0	\$0	\$0
Coachella					
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$43,824	\$0	\$0	\$0	\$0
Commerce					
Employer Based Trip Reduction	\$12,285	\$0	\$0	\$0	\$0
Corona					
CNG Vactor Sewer Cleaning Truck	\$519,205	\$0	\$0	\$0	\$0
Corona Cruiser Fare Subsidy	\$8,666	\$0	\$0	\$0	\$0
Microsoft Surface Pros (two) Telecommuting Tablets	\$2,153	\$0	\$0	\$0	\$0
Western Riverside Council of Gov. Clean Cities Coalition	\$6,000	\$0	\$0	\$0	\$0
Costa Mesa					
Bear Street Traffic Signal Synchronization Project	\$15,845	\$0	\$0	\$0	\$0
City Hall EV Charging Station	\$24,051	\$0	\$0	\$0	\$0
Citywide Bicycle Rack Improvements	\$2,860	\$0	\$0	\$0	\$0
Sunflower Avenue Traffic Signal Synchronization Project	\$18,220	\$0	\$0	\$0	\$0
County of LA					
Countywide Rideshare Program	\$2,350,221	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
County of Orange					
Employee Rideshare program	\$35,000	\$0	\$0	\$0	\$256,349
County of Riverside					
Audit of AB2766 Revenue and Expense	\$6,000	\$0	\$0	\$0	\$0
Commuter Service Rideshare Program	\$100,584	\$0	\$0	\$0	\$0
Purchase of Video Conference System for COB/BOS	\$40,140	\$0	\$0	\$0	\$0
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$51,278	\$0	\$0	\$0	\$0
Rule 2202 Multisite Cluster Registration	\$13,546	\$0	\$0	\$0	\$0
WRCOG Clean Cities Coalition Program	\$25,000	\$0	\$0	\$0	\$0
County of San Bernardino					
Employee Commute Reduction Program	\$318,754	\$0	\$0	\$0	\$0
Vanpool Subsidy Program	\$44,050	\$0	\$0	\$0	\$0
Covina					
Commuter Choice	\$770	\$0	\$0	\$0	\$0
One Prius Lease	\$1,961	\$0	\$0	\$0	\$0
Purchase of 2 Mitsubishi Outlander Vehicles	\$70,376	\$0	\$0	\$0	\$0
Cudahy					
2018 Ford Fusion	\$6,530	\$0	\$0	\$0	\$0
2018 Toyota Highlander	\$9,791	\$0	\$0	\$0	\$0
Cypress					
Compressed Natural Gas Sewer Cleaning Truck	\$63,060	\$0	\$0	\$0	\$0
Desert Hot Springs					
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$27,611	\$0	\$0	\$0	\$0
Diamond Bar					
Neighborhood Traffic Management Program	\$30,000	\$0	\$0	\$0	\$0
Downey					
2020 Audit	\$1,910	\$0	\$0	\$0	\$0
Downey Employee "Thumbs Up" Commuting Program	\$127,517	\$0	\$0	\$0	\$0
Electric Vehicle Charging Station	\$2,871	\$0	\$0	\$0	\$0
Eastvale					
EV Charging Stations	\$1,472	\$0	\$0	\$0	\$0
WRCOG FY19-20 Clean Cities Coalition	\$8,348	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
El Monte					
Monthly Rideshare Incentive	\$44,907	\$0	\$0	\$0	\$0
Municipal Parking Lot Electric Vehicle Charging Stations	\$20,670	\$0	\$0	\$0	\$52,160
Public Works Electric Truck	\$52,946	\$49,052	\$0	\$0	\$0
Regional PM10 Street Sweeper Contract (2 Vehicles)	\$27,771	\$0	\$0	\$0	\$0
Rule 2202 Filing Fees	\$694	\$0	\$0	\$0	\$0
El Segundo					
Purchased 1 Nissan Leaf	\$28,797	\$0	\$0	\$0	\$0
Fontana					
AFV Rebate Program	\$1,000	\$0	\$0	\$0	\$0
AFV Rebate Program	\$1,000	\$0	\$0	\$0	\$0
Alder-Locust-Ramona SRTS	\$452	\$0	\$0	\$0	\$0
Employee Rideshare Program	\$11,833	\$0	\$0	\$0	\$0
San Bernardino Valley Coordinated Traffic Signal System	\$187,954	\$0	\$0	\$0	\$0
Fountain Valley					
Purchased Two Electric Vehicle	\$71,209	\$0	\$0	\$0	\$0
Fullerton					
East Wilshire Bike Boulevard	\$9,502	\$0	\$0	\$0	\$0
Lease of Pool Cars	\$8,076	\$0	\$0	\$0	\$0
Rule 2202 Emission Credits	\$11,229	\$0	\$0	\$0	\$0
Garden Grove					
Active Transportation Program	\$400,000	\$0	\$0	\$0	\$1,472,000
Alternative Fuel Vehicle Rebate Program	\$15,000	\$0	\$0	\$0	\$0
Bicycle Corridor Improvement Project	\$13,948	\$0	\$0	\$0	\$0
TDM Services	\$42,713	\$0	\$0	\$0	\$0
Transit Subsidy (Metrolink & Bus)	\$3,671	\$0	\$0	\$0	\$0
Vanpool Program Conventional Gas	\$57,676	\$0	\$0	\$0	\$0
Gardena					
Electric Vehicle Charging Station	\$5,595	\$0	\$0	\$0	\$0
Gardena Rule 2202 Compliance	\$45,307	\$0	\$0	\$0	\$0
Lease payment for (1) 2019 Tesla Model 3	\$1,345	\$0	\$0	\$0	\$0
Lease payments for (1) 2018 Toyota Avalon Hybrid	\$10,936	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Lease payments for (1) 2019 Hyundai Ioniq	\$6,675	\$0	\$0	\$0	\$0
Lease payments for (1) 2020 Tesla Model 3	\$1,131	\$0	\$0	\$0	\$0
Lease payments for (2) 2016 Ford Fusion Hybrid	\$13,656	\$0	\$0	\$0	\$0
Glendale					
Employer Based Trip Reduction Program	\$84,790	\$0	\$0	\$0	\$0
Transit Fare Subsidy	\$42,400	\$0	\$0	\$0	\$0
Transportation Management Agency Services	\$8,111	\$0	\$0	\$0	\$0
Glendora					
Installation of Electric Vehicle Charger	\$24,942	\$0	\$0	\$0	\$0
Grand Terrace					
Charging Station Improvements	\$49,353	\$0	\$0	\$0	\$0
Senior Transportation Program	\$5,000	\$0	\$0	\$0	\$10,000
Hawaiian Gardens					
Electric Charging Stations	\$2,820	\$0	\$0	\$0	\$0
Regional Transportation Plan	\$7,150	\$0	\$0	\$0	\$0
Replace Speed Radar Signs	\$13,943	\$0	\$0	\$0	\$0
Hawthorne					
Financial Incentive for Rideshare	\$1,840	\$0	\$0	\$0	\$0
RM 10 reduction street sweeping project	\$100,000	\$0	\$0	\$0	\$0
Hemet					
Electric Vehicle Charging Stations (2)	\$9,483	\$0	\$0	\$0	\$0
WRCOG Clean Cities Coalition	\$5,000	\$0	\$0	\$0	\$0
Hermosa Beach					
Auto Trip Reduction	\$3,690	\$0	\$0	\$0	\$0
Highland					
2020 Chevy Bolt EV	\$26,927	\$9,919	\$0	\$0	\$0
Electric Vehicle Charging Stations EVC19001	\$17,291	\$0	\$0	\$0	\$69,162
Traffic Signal Synchronization	\$51,414	\$0	\$0	\$0	\$2,000
Huntington Beach					
4th of July/U.S Open/Air Show Shuttle	\$31,829	\$0	\$0	\$0	\$0
Adams signal synchronization	\$24,589	\$0	\$0	\$0	\$0
Edinger signal synchronization	\$25,166	\$0	\$0	\$0	\$0
Employee Rideshare Program	\$19,048	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Traffic Counts	\$400	\$0	\$0	\$0	\$0
Huntington Park					
Hybrid Leased Vehicles	\$17,013	\$0	\$0	\$0	\$0
Indian Wells					
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$6,449	\$0	\$0	\$0	\$0
Indio					
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$84,723	\$0	\$0	\$0	\$0
Inglewood					
AQMD Audit Fees	\$6,000	\$0	\$0	\$0	\$0
Purchase of 11 hybrid vehicles	\$311,282	\$0	\$0	\$0	\$0
Purchase of 8 electric bikes	\$23,358	\$0	\$0	\$0	\$0
Rule 2202 MSERC's	\$9,600	\$0	\$0	\$0	\$0
Irvine					
Electric Vehicle Infrastructure	\$9,787	\$0	\$0	\$0	\$0
Infrastructure and Amenity Improvements for Bike Lanes	\$103,368	\$0	\$0	\$0	\$0
Irvine Spectrum TMA	\$4,163	\$0	\$0	\$0	\$0
Irvine Traffic Research and Control Center Signal Timing	\$45,299	\$0	\$0	\$0	\$0
Purchase Rule 2202 Credits	\$8,268	\$0	\$0	\$0	\$0
Security Service Provided by Irvine PS at Train Station	\$160,527	\$0	\$0	\$0	\$0
Irwindale					
John Deere Electronic Utility Vehicles	\$2,850	\$0	\$0	\$0	\$28,525
Jurupa Valley					
Hybrid vehicle purchase 2019-20	\$47,971	\$0	\$0	\$0	\$0
La Canada Flintridge					
Installation of electric vehicle charging stations	\$5,285	\$15,856	\$0	\$0	\$0
Ongoing software support/ network plan	\$3,114	\$2,952	\$0	\$0	\$0
Purchase and installation of bicycle racks	\$4,280	\$4,280	\$0	\$0	\$0
La Habra					
Shuttle to Transport Seniors	\$81,020	\$0	\$0	\$0	\$84,676
La Mirada					
Purchase Ford Fusion	\$28,486	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
La Puente					
2019 FORD FUSION SPECIAL SERVICE PLUG-IN HYBRID (QTY 2)	\$75,517	\$0	\$0	\$0	\$0
2019 GEM EM1400LSV ELECTRIC VEHICLE	\$7,114	\$7,114	\$0	\$0	\$0
2020 FORD FUSION ENERGI	\$37,044	\$0	\$0	\$0	\$0
2020 FORD FUSION SPECIAL SERVICE PLUG-IN HYBRID (QTY 2)	\$77,010	\$0	\$0	\$0	\$0
La Quinta					
2019 - 12 ELECTRIC VEHICLE CHARGING STATIONS	\$88,444	\$0	\$0	\$0	\$0
2019 - ELECTRIC VEHICLE CHARGING STATIONS - Utilities	\$2,799	\$0	\$0	\$0	\$0
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$29,913	\$0	\$0	\$0	\$0
La Verne					
Bike, Carpool, Walk, Incentive Program	\$6,466	\$0	\$0	\$0	\$0
Laguna Beach					
Free Main Line Service During the Summer.	\$29,850	\$0	\$0	\$0	\$0
Free Ride to Work Program	\$150	\$0	\$0	\$0	\$0
Laguna Niguel					
Hybrid Lease Vehicles	\$24,733	\$0	\$0	\$0	\$0
Traffic Signal Coordination	\$33,076	\$0	\$0	\$0	\$0
Laguna Woods					
City Hall Refurbish Safety: Ph3/Electric Vehicle	\$5,285	\$0	\$0	\$0	\$0
Telecommuting	\$1,580	\$0	\$0	\$0	\$0
Lake Elsinore					
Clean Cities Coalition (WRCOG)	\$10,000	\$0	\$0	\$0	\$0
Lake Forest					
El Toro Road Traffic Signal Synchronization	\$5,808	\$0	\$0	\$0	\$1,112,447
Los Alisos Traffic Signal Synchronization	\$1,557	\$0	\$0	\$0	\$1,816,470
Prof Serv-Traffic Engineer for Traffic Signal Monitoring	\$38,468	\$0	\$0	\$0	\$0
Signal Maintenance Centracs Software	\$5,994	\$0	\$0	\$0	\$0
Lakewood					
91/605/405 COG Major Corridor Study	\$10,000	\$0	\$0	\$0	\$0
Lawndale					
Municipal Services - 2020 Toyota Prius	\$24,504	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Loma Linda					
City Street Sweeping	\$22,607	\$0	\$0	\$0	\$0
Lomita					
Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Installation of bicycle lanes	\$10,810	\$10,810	\$0	\$0	\$0
Lease of E Nissan Leaf vehicle to replace gas vehicle	\$3,943	\$0	\$0	\$0	\$0
Lease of Volkswagen e-Golf vehicle to replace gas vehicle	\$3,303	\$0	\$0	\$0	\$0
Leasing alternative fuel street sweepers	\$15,000	\$0	\$0	\$0	\$0
Long Beach					
15th Street Traffic Calming	\$653,785	\$0	\$0	\$0	\$563,269
3rd & Broadway Cycle Track	\$25,722	\$0	\$0	\$0	\$224,679
Bike Share Pilot/Ops/Marketing	\$1,080	\$0	\$0	\$0	\$10
Citywide 8 to 80 Connections	\$45,192	\$0	\$0	\$0	\$0
Citywide Bikeway Signage/Wayfinding	\$1,080	\$0	\$0	\$0	\$0
Delta Ave Bike Blvd	\$42,023	\$0	\$0	\$0	\$43,089
Differential Cost for Purchase of CNG vehicles	\$49,100	\$10,000	\$0	\$0	\$420,982
Differential Cost for Purchase of CNG Vehicles	\$31,815	\$55,500	\$0	\$0	\$533,085
Differential Cost to purchase CNG vehicle	\$40,000	\$0	\$0	\$0	\$260,080
Electric Vehicle Charging Stations	\$152,052	\$0	\$0	\$0	\$0
E-Scooter Pilot Program	\$42,462	\$0	\$0	\$0	\$0
Gas to CNG Conversion	\$250,287	\$30,000	\$0	\$0	\$24,699
Gas to Electric Conversion	\$5,700	\$0	\$0	\$0	\$5,700
Livability Initiative	\$3,374	\$0	\$0	\$0	\$0
Pier J Bicycle Path	\$34,426	\$0	\$0	\$0	\$14,545
Rule 2202 Compliance	\$1,908	\$0	\$0	\$0	\$0
Willow Bike Path Gap Closure	\$124	\$0	\$0	\$0	\$2,618
Los Alamitos					
	\$0	\$0	\$0	\$0	\$0
Los Angeles (City)					
Alt Fuel Veh Purch: 7 CNG Solid Resources Collection Veh	\$179,910	\$0	\$0	\$0	\$2,399,229
Alt Fuel Veh Purch: 8 New CNG Street Sweepers	\$179,910	\$0	\$0	\$0	\$3,181,367
Annual AB2766 Audit	\$12,742	\$0	\$0	\$0	\$0
Beverly Glen Boulevard	\$36,409	\$0	\$0	\$0	\$0
Bicycle/Walk Incentive Program	\$24,106	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
BOE Alt Fuel Infrastructure Eng Design & Tech Support	\$89,407	\$0	\$0	\$0	\$197,718
Carshare and Bikeshare Professional Services	\$323,269	\$0	\$0	\$0	\$211,654
Cesar E Chavez Avenue	\$52,062	\$0	\$0	\$0	\$0
East Mission Road	\$11,949	\$0	\$0	\$0	\$0
East Olympic Boulevard	\$74,071	\$0	\$0	\$0	\$0
Employer's Carpool Transit Incentive Program	\$152,284	\$0	\$0	\$0	\$0
Employer's Transit Subsidy Program	\$716,844	\$0	\$0	\$0	\$0
Employer's Vanpool Program	\$52,168	\$0	\$0	\$0	\$691,308
Fairfax Avenue	\$31,347	\$0	\$0	\$0	\$0
Glendale Boulevard	\$60,911	\$0	\$0	\$0	\$0
Glenoaks Boulevard	\$208,410	\$0	\$0	\$0	\$0
Jefferson Boulevard	\$58,938	\$0	\$0	\$0	\$0
LADOT / St Lamp Post Installation of EV Chargers Citywide	\$854,275	\$0	\$0	\$0	\$278,455
LADOT Trip Reduction Program Implementation	\$1,317,767	\$0	\$0	\$0	\$432,302
Land Use–LADOT Complete Streets	\$1,299,705	\$0	\$0	\$0	\$334,921
Mobility Hubs	\$533,213	\$0	\$0	\$0	\$0
North Broadway	\$61,166	\$0	\$0	\$0	\$0
South Beverly Glen Boulevard	\$29,526	\$0	\$0	\$0	\$0
Sustainability Transportation Outreach and Pilots	\$74,293	\$0	\$0	\$0	\$0
Traffic Calming Studies and Implementation	\$399,909	\$0	\$0	\$0	\$221,322
Virgil Avenue	\$29,124	\$0	\$0	\$0	\$0
West Slauson Avenue	\$86,151	\$0	\$0	\$0	\$0
Western Avenue	\$84,451	\$0	\$0	\$0	\$0
Woodley Avenue	\$175,487	\$0	\$0	\$0	\$0
Malibu					
Electric Vehicle Charging Stations (Design)	\$813	\$0	\$0	\$0	\$0
Manhattan Beach					
EV Chargers	\$10,500	\$31,500	\$0	\$0	\$0
Menifee					
FY19-20 Alternative Fuel Vehicle Purchase	\$135,354	\$0	\$0	\$0	\$0
Mission Viejo					
Alicia Parkway TSS	\$8,549	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Monrovia					
Purchased five 2020 Chevrolet Bolt Electric Vehicles	\$136,669	\$0	\$0	\$0	\$0
Rideshare Incentive	\$5,550	\$0	\$0	\$0	\$0
Montclair					
Ride Share Program	\$26,782	\$0	\$0	\$0	\$0
Montebello					
Employee Commute Reduction Program	\$19,425	\$0	\$0	\$0	\$0
Monterey Park					
CNG Station Compression Services Tariff (CST) Agreement	\$71,200	\$0	\$0	\$0	\$104,228
Employee Rideshare Program	\$16,000	\$0	\$0	\$0	\$0
Moreno Valley					
Dracaea Greenway Master Plan	\$20,847	\$0	\$0	\$0	\$0
Street Sweeping Program	\$228,378	\$0	\$0	\$0	\$0
Traffic Signal Coordination Program	\$15,668	\$0	\$0	\$0	\$0
WRCOG - Clean Cities Coalition	\$15,000	\$0	\$0	\$0	\$0
Murrieta					
CIP10036 Electric Vehicle Charging Stations	\$288,200	\$143,520	\$0	\$0	\$280,000
Newport Beach					
CNG Station	\$7,002	\$0	\$0	\$0	\$0
Norco					
EV Charging Stations	\$46,667	\$0	\$0	\$0	\$0
Norwalk					
AB 2766 Audit Expenses	\$2,810	\$0	\$0	\$0	\$0
Cleaner Street Sweeping Contract	\$87,564	\$0	\$0	\$0	\$772,436
Transit Subsidy	\$9,990	\$0	\$0	\$0	\$0
Ontario					
CNG Compressor Upgrade	\$76,330	\$0	\$0	\$0	\$0
Rideshare	\$21,272	\$0	\$0	\$0	\$0
Orange (City)					
Electric Motor Vehicle Replacement	\$37,758	\$0	\$0	\$0	\$0
Police Bike Team	\$8,370	\$0	\$0	\$0	\$0
Public Works Fleet Replacement	\$26,195	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Public Works Fleet Services Vehicle Replacement	\$80,000	\$0	\$0	\$0	\$0
Trip Reduction Program	\$102,630	\$0	\$0	\$0	\$0
Palm Desert					
ChargePoint Network Service	\$4,480	\$0	\$0	\$0	\$0
City Rideshare Program	\$597	\$0	\$0	\$0	\$0
Installation of three EV Charging Stations	\$122,425	\$0	\$0	\$0	\$140,000
Regional PM10 Street Sweeping Program Using Two Sweepers	\$50,725	\$0	\$0	\$0	\$0
SCE Meter and Service	\$2,483	\$0	\$0	\$0	\$0
Palm Springs					
Regional PM Street Sweeping Program Using 2 Sweepers	\$46,083	\$0	\$0	\$0	\$0
Rideshare and Alternative Vehicle Incentives	\$6,574	\$0	\$0	\$0	\$0
Paramount					
Electric Gold Carts	\$11,969	\$0	\$0	\$0	\$0
Electric Vehicle Charging Stations	\$17,587	\$0	\$0	\$0	\$0
Purchase of Bicycle	\$1,167	\$0	\$0	\$0	\$0
Purchase of Electric Gator	\$11,394	\$0	\$0	\$0	\$0
Pasadena					
Rideshare program	\$84,975	\$0	\$0	\$0	\$0
Telecommuting	\$210,257	\$0	\$0	\$0	\$0
Perris					
Purchase of Six New Toyota Hybrid Vehicles	\$223,205	\$0	\$0	\$0	\$0
Pico Rivera					
City Hall Electric Vehicle Charging Stations (EVCS)	\$148	\$0	\$0	\$0	\$0
Development of Strategic Transportation Plans	\$12,575	\$0	\$0	\$0	\$0
Lease payments (4) Hybrid Vehicles (2019 Toyota Prius L Eco)	\$17,315	\$0	\$0	\$0	\$0
Two - 2014 Toyota Prius C	\$23,553	\$0	\$0	\$0	\$0
Placentia					
Purchase of 10 Chevy EV Sparks	\$50,851	\$0	\$0	\$0	\$0
Replacement of City's Aging Aerial Buck Truck	\$76,000	\$0	\$0	\$0	\$0
Senior Mobility Program	\$8,128	\$0	\$0	\$0	\$31,824

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Pomona					
AB2766 Audit Expenses	\$3,344	\$0	\$0	\$0	\$0
CNG Ford F250	\$51,530	\$10,000	\$0	\$0	\$0
CNG Trash Trucks Lease Payment (22)	\$85,000	\$0	\$0	\$0	\$555,400
Compliance Rule 2202	\$4,449	\$0	\$0	\$0	\$0
Purchase of Emission Credits	\$2,995	\$0	\$0	\$0	\$0
Traffic Operations Communication Upgrade	\$33,288	\$0	\$0	\$0	\$0
Traffic Signal and Street Light Program	\$5,000	\$0	\$0	\$0	\$0
Rancho Cucamonga					
ELECTRIC VEHICLE FAST CHARGE	\$19,872	\$0	\$0	\$0	\$0
FWY/Arterial Synchronization Project	\$63,050	\$0	\$0	\$0	\$0
PE TRAIL ENHANCEMENTS	\$41,504	\$0	\$0	\$0	\$0
RIDESHARE PROGRAM	\$14,362	\$0	\$0	\$0	\$0
Rancho Mirage					
Regional PM10 Street Sweeping Program Using 2 Sweepers	\$17,409	\$0	\$0	\$0	\$0
Rancho Santa Margarita					
Los Alisos/Melinda Road Signal Equipment Update	\$5,130	\$0	\$0	\$0	\$288,870
SMP Signal & Equipment Upgrade	\$6,058	\$0	\$0	\$0	\$0
Traffic Calming at Aveinida de los Fundadores	\$30,000	\$0	\$0	\$0	\$6,469
Traffic Signal battery Backup System (Carryover)	\$90,276	\$0	\$0	\$0	\$0
Redlands					
Partially fund 1 Zeus 305 Electric Utility Shuttle	\$72,458	\$72,458	\$0	\$0	\$0
Redondo Beach					
Employee Rideshare	\$51,556	\$0	\$0	\$0	\$0
Rialto					
Employee Rideshare Program	\$46,194	\$0	\$0	\$0	\$0
Riverside (City)					
AQMD Rule 2202 Compliance	\$7,296	\$0	\$0	\$0	\$0
Bike Riverside	\$394	\$0	\$0	\$0	\$0
City Pass Program	\$15,290	\$0	\$0	\$0	\$0
Clean Cities Coalition	\$25,000	\$0	\$0	\$0	\$0
Electric Vehicle Rebate Program	\$2,500	\$0	\$0	\$0	\$0
Employee Rideshare Program	\$900	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Festival of Lights Shuttle Service	\$3,611	\$0	\$0	\$0	\$0
Riverside Go Transit Bus Pass Subsidy Program	\$68,485	\$0	\$0	\$0	\$0
Riverside Traffic Management Center	\$1,443	\$0	\$0	\$0	\$0
Vactor Truck Purchase	\$542,480	\$0	\$0	\$0	\$0
San Bernardino (City)					
Fuel Station Upgrade at City Yard	\$240,000	\$0	\$0	\$0	\$0
Rideshare Program	\$6,861	\$0	\$0	\$0	\$0
San Clemente					
San Clemente Summer Trolley	\$274,020	\$0	\$0	\$0	\$0
San Dimas					
Electrical Charging Station	\$113,859	\$0	\$0	\$0	\$0
San Jacinto					
2020 GapVax Vactor Truck Purchase	\$71,536	\$0	\$0	\$0	\$0
WRCOG Clean Cities Coalition	\$6,000	\$0	\$0	\$0	\$0
San Juan Capistrano					
Consultant for SB 743 Implementation	\$4,500	\$0	\$0	\$0	\$32,560
Purchase Club Car CA500 Model 104030201, C	\$11,593	\$0	\$0	\$0	\$0
Senior Nutritional Transportation Program	\$9,692	\$0	\$0	\$0	\$39,752
Trolley Program	\$11,741	\$0	\$0	\$0	\$106,958
Santa Ana					
Blue Skies Rideshare	\$14,052	\$0	\$0	\$0	\$0
EV Charging Station	\$52,100	\$34,000	\$0	\$0	\$0
General Plan Circulation Element	\$5,834	\$0	\$0	\$0	\$0
General Plan Update & Land Use	\$41,341	\$0	\$0	\$0	\$0
Santa Clarita					
Audit Expenses	\$1,750	\$0	\$0	\$0	\$0
Electric Veh Infrastructure (R0022)	\$24,680	\$0	\$0	\$0	\$0
Promotion & advertising (bike to work)	\$1,499	\$0	\$0	\$0	\$0
Rideshare (bike to work)	\$686	\$0	\$0	\$0	\$0
Rideshare passes	\$1,763	\$0	\$0	\$0	\$0
Santa Clara River Trail EV Charging Station	\$4,929	\$0	\$0	\$0	\$0
SCV Sheriff Station EV Charging Station (F3023)	\$18,623	\$0	\$0	\$0	\$0
Signal Synchronization Phase V (C0048)	\$100,732	\$0	\$0	\$0	\$0
Vista Canyon Regional Center (T3021)	\$177,228	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Santa Fe Springs					
GO RIO (2019-2020)	\$2,062	\$0	\$0	\$0	\$0
Santa Monica					
EV Purchases - 4 Motorcycles for Police Dept.	\$43,818	\$0	\$0	\$0	\$43,818
Public Education	\$5,000	\$0	\$0	\$0	\$7,500
Seal Beach					
Senior Transportation Nutrition Shuttle	\$31,725	\$0	\$0	\$0	\$880
Signal Hill					
2019 LOCAL STREETS AND ROADS NEEDS ASSESSMENT	\$300	\$0	\$0	\$0	\$0
I-710 CORRIDOR EIR/EIS REPORT	\$1,000	\$0	\$0	\$0	\$0
South El Monte					
Electric 60" Riding Mower	\$13,543	\$0	\$0	\$0	\$0
South Pasadena					
Free Ride to Work Bus Pass Program	\$73	\$0	\$0	\$0	\$0
Teleworking	\$55,038	\$0	\$0	\$0	\$0
Stanton					
Commuter Incentive Program	\$30	\$0	\$0	\$0	\$0
Purchase of 2 Plug-In Hybrids to replace aging pool cars	\$61,747	\$0	\$0	\$0	\$0
Temecula					
Bike Lane and Trail Program Citywide Implementation	\$49,763	\$0	\$0	\$0	\$0
Bike Lane and Trail Program Temecula Creek South Side Trail	\$67,845	\$0	\$0	\$0	\$732,155
Bikeway Master Plan - Continued	\$168,656	\$0	\$0	\$0	\$0
Citywide Buffered Bike Lane Striping	\$50,000	\$0	\$0	\$0	\$139,000
Clean Cities Coalition	\$10,000	\$0	\$0	\$0	\$0
Temple City					
5-year Contract lease of seven Alternative Fuel Vehicles	\$163,318	\$0	\$0	\$0	\$0
Continued 1-year lease of seven Alternative Fuel Vehicles	\$11,904	\$0	\$0	\$0	\$0
Torrance					
CNG Dump Truck Purchase	\$25,000	\$100,000	\$0	\$0	\$1,378,218
Employee Rideshare	\$142,494	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Upland					
Rideshare Activities	\$13,302	\$0	\$0	\$0	\$0
SCIP EV Charging Station	\$64,427	\$160,000	\$0	\$0	\$0
Vehicle Purchase	\$34,906	\$0	\$0	\$0	\$0
Vehicle Purchase	\$30,702	\$0	\$0	\$0	\$0
Walnut					
Bus Pass Subsidies	\$5,731	\$0	\$0	\$0	\$0
Street Sweeping with CNG Sweeper	\$30,000	\$0	\$0	\$0	\$0
West Covina					
Alternative-Fueled Vehicles Purchase (Continued)	\$144,040	\$0	\$0	\$0	\$0
AQMD 2766 Annual Audit Fee	\$1,560	\$0	\$0	\$0	\$0
West Hollywood					
Alternative Transportation Mode Incentive	\$19,165	\$0	\$0	\$0	\$0
Westlake Village					
Electric Vehicle Charging Station Installations	\$603	\$50,000	\$0	\$0	\$0
Electric Vehicle Charging Station Software	\$24,496	\$0	\$0	\$0	\$0
Lease of Alternative Fuel Vehicle	\$9,568	\$0	\$0	\$0	\$0
Westminster					
Electric Vehicle Charging Station	\$9,129	\$0	\$0	\$0	\$0
Employee Rideshare Program	\$5,057	\$0	\$0	\$0	\$0
WOW Van	\$39,872	\$120,900	\$0	\$0	\$0
Whittier					
Dev. Gateway COG strategic transportation plan	\$15,497	\$0	\$0	\$0	\$0
Employee Based Trip Reduction	\$3,230	\$0	\$0	\$0	\$0
GO RIO Rio Hondo College bus pass program	\$9,268	\$0	\$0	\$0	\$0
Rule 2202 Filing fee	\$609	\$0	\$0	\$0	\$0
Wildomar					
Clean Cities Coalition	\$4,559	\$0	\$0	\$0	\$0
Yorba Linda					
Alternative Fuel Vehicle Program	\$87,155	\$0	\$0	\$0	\$0
Parking Structure Wayfinding System	\$79,460	\$0	\$0	\$0	\$0

Project Name	MVFees	MSRC	CMAQ	Moyer	CoFunding
Yucaipa					
Street sidewalks - Ave E, Adams St, Yucaipa Blvd	\$116,192	\$0	\$0	\$0	\$0
Totals	\$24,471,364	\$1,198,517	\$0	\$0	\$19,945,742

Range of Cost-Effectiveness by Subcategory for Fiscal Year 2019 - 2020

	Lowest	Highest	Lowest	Highest
	(ROG + NOx + PM2.5)		(ROG + NOx + PM2.5 + CO/7)	
(1a) Alternative Fuel Vehicle Purchases	\$9.83	\$134,471.52	\$4.00	\$44,222.18
(1b) Alternative Fuel Vehicle Conversions	\$689.77	\$689.77	\$467.27	\$467.27
(1d) Electric Vehicle Purchases	\$30.80	\$101,985.68	\$5.96	\$29,311.80
(1e) Electric Vehicle Conversions	\$424.08	\$424.08	\$121.89	\$121.89
(2a) Off Road Veh Cleaner Diesel Purchases, Repowers, & Retrofits	\$7.80	\$7.80	\$7.80	\$7.80
(3c) Facilities (Pedestrian, mixed use, etc.)	\$38.82	\$38.82	\$24.02	\$24.02
(4c) Transit Operations (new service, shuttles, fuel subsidies)	\$35.64	\$28,803.82	\$21.88	\$18,949.97
(4d) Passenger Fare Subsidies	\$13.73	\$343.68	\$7.92	\$198.42
(5b) Traffic Flow or Signalization (timing, surveillance)	\$0.68	\$532.72	\$0.51	\$423.76
(6a) Employer-Based Trip Reduction	\$3.78	\$1,164.44	\$2.18	\$672.28
(6b) Other Trip Reduction Incentive Programs	\$12.67	\$875.90	\$7.23	\$529.51
(6c) Vanpool Programs	\$13.53	\$1,028.41	\$9.65	\$989.25
(6e) Telecommunication	\$15.57	\$198.12	\$9.00	\$114.24
(8a) Bicycle Lanes and Trails (also bridges)	\$0.80	\$44,604.81	\$0.49	\$28,386.99
(8c) Bicycle Usage (electric bikes, purchases, loaner projects)	\$93.05	\$956.10	\$33.28	\$274.79
(9a) Road Dust Control (paving roads, shoulders, street sweeping)	\$5.29	\$185.55	\$5.21	\$185.53
(11a) Miscellaneous (use with "Miscellaneous Projects" Category)	\$5.41	\$22.77	\$3.21	\$20.88

Cost-effectiveness is based on MVFees + MSRC + Moyer funding.

Average Cost-Effectiveness by Project

Fiscal Year 2019 - 2020

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)
(I) Alternative Fuels/Electric Vehicles					
(1a) Alternative Fuel Vehicle Purchases					
Riverside (City)	Electric Vehicle Rebate Program	\$2,500	\$293	73	\$4.00
Arcadia	Vehicle Replacement - Public Works Vehicle	\$25,000	\$2,931	237	\$12.36
Arcadia	Vehicle Replacement - Public Works Vehicle	\$25,000	\$2,931	136	\$21.56
Fontana	AFV Rebate Program	\$1,000	\$142	3	\$42.20
San Jacinto	2020 GapVax Vactor Truck Purchase	\$71,536	\$10,191	116	\$87.89
Orange (City)	Public Works Fleet Services Vehicle Replacement	\$80,000	\$9,378	73	\$129.35
Los Angeles (City)	Alt Fuel Veh Purch: 7 CNG Solid Resources Collection Veh	\$179,910	\$21,091	2,166	\$9.74
Norwalk	Cleaner Street Sweeping Contract	\$87,564	\$90,191	5,050	\$17.86
Los Angeles (City)	Alt Fuel Veh Purch: 8 New CNG Street Sweepers	\$179,910	\$21,091	1,997	\$10.56
Huntington Park	Hybrid Leased Vehicles	\$17,013	\$1,994	9	\$228.71
Upland	Vehicle Purchase	\$34,906	\$4,973	19	\$265.03
Buena Park	CNG Street Sweeper	\$294,627	\$34,539	129	\$267.32
Pomona	CNG Trash Trucks Lease Payment (22)	\$85,000	\$87,550	2,335	\$37.50
Placentia	Replacement of City's Aging Aerial Buck Truck	\$76,000	\$8,910	30	\$297.42
Cypress	Compressed Natural Gas Sewer Cleaning Truck	\$63,060	\$7,393	25	\$301.20
Riverside (City)	Vactor Truck Purchase	\$542,480	\$63,595	211	\$301.80
Torrance	CNG Dump Truck Purchase	\$25,000	\$16,054	464	\$34.57
Corona	CNG Vactor Sewer Cleaning Truck	\$519,205	\$60,867	124	\$491.35
Laguna Niguel	Hybrid Lease Vehicles	\$24,733	\$2,485	5	\$539.41
Baldwin Park	Fleet Leasing Program	\$2,970	\$3,059	6	\$540.82
Westlake Village	Lease of Alternative Fuel Vehicle	\$9,568	\$1,363	2	\$625.56
Baldwin Park	Fleet Leasing Program	\$9,893	\$10,190	12	\$870.51
Gardena	Lease payments for (1) 2018 Toyota Avalon Hybrid	\$10,936	\$1,755	2	\$902.42
Fullerton	Lease of Pool Cars	\$8,076	\$1,150	1	\$982.99
Gardena	Lease payments for (1) 2019 Hyundai Ioniq	\$6,675	\$1,071	1	\$1,057.64
Calabasas	Continued lease of City fleet	\$25,106	\$3,576	3	\$1,182.67
West Covina	Alternative-Fueled Vehicles Purchase (Continued)	\$144,040	\$16,886	14	\$1,194.11
Pomona	CNG Ford F250	\$51,530	\$7,213	5	\$1,509.12
Upland	Vehicle Purchase	\$30,702	\$4,374	2	\$2,073.03
Inglewood	Purchase of 11 hybrid vehicles	\$311,282	\$44,344	19	\$2,388.41

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)
Lawndale	Municipal Services - 2020 Toyota Prius	\$24,504	\$3,491	1	\$2,481.82
Temple City	Continued 1-year lease of seven Alternative Fuel Vehicles	\$11,904	\$12,261	5	\$2,490.66
Yorba Linda	Alternative Fuel Vehicle Program	\$87,155	\$12,416	5	\$2,674.89
Long Beach	Differential Cost for Purchase of CNG vehicles	\$49,100	\$6,928	19	\$356.78
Gardena	Lease payments for (2) 2016 Ford Fusion Hybrid	\$13,656	\$2,192	1	\$3,065.73
Menifee	FY19-20 Alternative Fuel Vehicle Purchase	\$135,354	\$19,282	6	\$3,427.20
La Puente	2020 FORD FUSION ENERGI	\$37,044	\$5,277	1	\$3,751.85
La Puente	2019 FORD FUSION SPECIAL SERVICE PLUG-IN HYBRID	\$75,517	\$10,758	3	\$3,824.21
La Puente	2020 FORD FUSION SPECIAL SERVICE PLUG-IN HYBRID	\$77,010	\$10,971	3	\$3,899.84
Covina	Purchase of 2 Mitsubishi Outlander Vehicles	\$70,376	\$10,026	2	\$4,908.25
Baldwin Park	Fleet Leasing Program	\$101,823	\$104,878	20	\$5,178.06
Azusa	Lease of Hybrid Pool Vehicles	\$3,904	\$4,021	1	\$5,497.81
Beaumont	2020 Ford Fusion Plug In Hybrid	\$32,007	\$4,560	1	\$6,483.46
Temple City	5-year Contract lease of seven Alternative Fuel Vehicles	\$163,318	\$35,661	5	\$7,243.93
Perris	Purchase of Six New Toyota Hybrid Vehicles	\$223,205	\$31,797	4	\$7,387.73
Stanton	Purchase of 2 Plug-In Hybrids to replace aging pool cars	\$61,747	\$8,796	1	\$11,147.68
Pico Rivera	Two - 2014 Toyota Prius C	\$23,553	\$8,327	1	\$11,839.93
Pico Rivera	Lease payments (4) Hybrid Vehicles (2019 Toyota Prius L Eco)	\$17,315	\$17,835	1	\$14,557.91
Aliso Viejo	1 alternative fuel vehicle	\$35,011	\$4,104	0	\$14,590.35
Jurupa Valley	Hybrid vehicle purchase 2019-20	\$47,971	\$6,834	0	\$15,672.76
Cudahy	2018 Ford Fusion	\$6,530	\$6,726	0	\$15,939.53
Cudahy	2018 Toyota Highlander	\$9,791	\$10,085	1	\$17,924.65
Covina	One Prius Lease	\$1,961	\$2,019	0	\$20,509.79
Long Beach	Differential Cost for Purchase of CNG Vehicles	\$31,815	\$10,236	3	\$4,038.49
Long Beach	Differential Cost to purchase CNG vehicle	\$40,000	\$4,689	1	\$5,567.20
La Mirada	Purchase Ford Fusion	\$28,486	\$6,220	0	\$44,222.18
Subcategory Totals and Average cost-effectiveness**:		\$4,355,279	\$901,970	13,353	\$67.55
(1b) Alternative Fuel Vehicle Conversions					
Long Beach	Gas to CNG Conversion	\$250,287	\$32,858	70	\$467.27
Subcategory Totals and Average cost-effectiveness**:		\$250,287	\$32,858	70	\$467.27
(1d) Electric Vehicle Purchases					
Fontana	AFV Rebate Program	\$1,000	\$117	20	\$5.96
Garden Grove	Alternative Fuel Vehicle Rebate Program	\$15,000	\$1,758	74	\$23.62
Paramount	Purchase of Electric Gator	\$11,394	\$1,336	14	\$92.33
Gardena	Lease payment for (1) 2019 Tesla Model 3	\$1,345	\$216	2	\$93.11

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)	
<i>Paramount</i>	Electric Gold Carts	\$11,969	\$1,403	11	\$132.73	
<i>El Monte</i>	Public Works Electric Truck	\$52,946	\$10,247	76	\$135.13	
<i>La Puente</i>	2019 GEM EM1400LSV ELECTRIC VEHICLE	\$7,114	\$1,668	11	\$157.59	
<i>Gardena</i>	Lease payments for (1) 2020 Tesla Model 3	\$1,131	\$181	1	\$237.22	
<i>Orange (City)</i>	Electric Motor Vehicle Replacement	\$37,758	\$4,426	19	\$238.67	
<i>Monrovia</i>	Purchased five 2020 Chevrolet Bolt Electric Vehicles	\$136,669	\$16,022	46	\$345.55	
<i>Carson</i>	Acquisition of New Light Duty On-Road Electric Vehicles	\$140,000	\$16,412	56	\$294.98	
<i>El Segundo</i>	Purchased 1 Nissan Leaf	\$28,797	\$3,376	9	\$364.05	
<i>Irwindale</i>	John Deere Electronic Utility Vehicles	\$2,850	\$334	9	\$36.03	
<i>Orange (City)</i>	Public Works Fleet Replacement	\$26,195	\$3,732	9	\$402.42	
<i>Santa Monica</i>	EV Purchases - 4 Motorcycles for Police Dept.	\$43,818	\$5,137	15	\$346.22	
<i>Lomita</i>	Lease of E Nissan Leaf vehicle to replace gas vehicle	\$3,943	\$4,061	5	\$875.85	
<i>Westminster</i>	WOW Van	\$39,872	\$11,690	13	\$896.73	
<i>Highland</i>	2020 Chevy Bolt EV	\$26,927	\$4,319	5	\$931.61	
<i>Lomita</i>	Lease of Volkswagen e-Golf vehicle to replace gas vehicle	\$3,303	\$3,402	2	\$1,385.58	
<i>Redlands</i>	Partially fund 1 Zeus 305 Electric Utility Shuttle	\$72,458	\$10,537	7	\$1,406.36	
<i>Placentia</i>	Purchase of 10 Chevy EV Sparks	\$50,851	\$52,376	34	\$1,526.53	
<i>Fountain Valley</i>	Purchased Two Electric Vehicle	\$71,209	\$8,348	3	\$3,104.21	
<i>Aliso Viejo</i>	2 (2020) electric vehicles	\$18,830	\$4,415	0	\$11,902.09	
<i>San Juan Capistrano</i>	Purchase Club Car CA500 Model 104030201, C	\$11,593	\$1,359	0	\$29,311.80	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$816,971	\$166,872	442	\$377.95
(1e) Electric Vehicle Conversions						
<i>Long Beach</i>	Gas to Electric Conversion	\$5,700	\$668	5	\$121.89	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$5,700	\$668	5	\$121.89
		Category Summary	\$5,428,237	\$1,102,368	13,870	\$79.48
(2) Vehicle Emissions Abatement						
(2a) Off Road Veh Cleaner Diesel Purchases, Repowers, & Retrofits						
<i>South El Monte</i>	Electric 60" Riding Mower	\$13,543	\$1,588	204	\$7.80	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$13,543	\$1,588	204	\$7.80
		Category Summary	\$13,543	\$1,588	204	\$7.80

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)	
(3) Land Use						
(3c) Facilities (Pedestrian, mixed use, etc.)						
<i>Yucaipa</i>	Street sidewalks - Ave E, Adams St, Yucaipa Blvd	\$116,192	\$7,810	325	\$24.02	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$116,192	\$7,810	325	\$24.02
		Category Summary	\$116,192	\$7,810	325	\$24.02
(4) Public Transportation (Transit & Rail)						
(4c) Transit Operations (new service, shuttles, fuel subsidies)						
<i>Laguna Beach</i>	Free Main Line Service During the Summer.	\$29,850	\$30,746	1,405	\$21.88	
<i>San Clemente</i>	San Clemente Summer Trolley	\$274,020	\$143,206	713	\$200.88	
<i>Huntington Beach</i>	4th of July/U.S Open/Air Show Shuttle	\$31,829	\$32,784	80	\$410.11	
<i>Seal Beach</i>	Senior Transportation Nutrition Shuttle	\$31,725	\$32,677	51	\$644.79	
<i>Grand Terrace</i>	Senior Transportation Program	\$5,000	\$5,150	12	\$420.00	
<i>Placentia</i>	Senior Mobility Program	\$8,128	\$8,372	9	\$884.62	
<i>San Juan Capistrano</i>	Trolley Program	\$11,741	\$12,093	17	\$723.82	
<i>La Habra</i>	Shuttle to Transport Seniors	\$81,020	\$83,451	20	\$4,198.37	
<i>Riverside (City)</i>	Festival of Lights Shuttle Service	\$3,611	\$3,719	0	\$18,949.97	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$476,923	\$352,196	2,307	\$152.64
(4d) Passenger Fare Subsidies						
<i>South Pasadena</i>	Free Ride to Work Bus Pass Program	\$73	\$75	9	\$7.92	
<i>Riverside (City)</i>	Riverside Go Transit Bus Pass Subsidy Program	\$68,485	\$70,540	5,279	\$13.36	
<i>Santa Fe Springs</i>	GO RIO (2019-2020)	\$2,062	\$2,124	91	\$23.39	
<i>Corona</i>	Corona Cruiser Fare Subsidy	\$8,666	\$8,926	166	\$53.77	
<i>Walnut</i>	Bus Pass Subsidies	\$5,731	\$5,903	100	\$58.86	
<i>Azusa</i>	Transit Pass Subsidy	\$1,461	\$1,505	25	\$60.92	
<i>Norwalk</i>	Transit Subsidy	\$9,990	\$10,290	155	\$66.27	
<i>Anaheim</i>	Metrolink OCTA Subsidies	\$123,976	\$127,695	1,820	\$70.17	
<i>Covina</i>	Commuter Choice	\$770	\$793	6	\$128.57	
<i>Riverside (City)</i>	City Pass Program	\$15,290	\$15,749	113	\$139.47	
<i>Claremont</i>	Public Transportation Reimbursement	\$1,333	\$1,373	9	\$144.74	
<i>Glendale</i>	Transit Fare Subsidy	\$42,400	\$43,672	279	\$156.49	
<i>Garden Grove</i>	Transit Subsidy (Metrolink & Bus)	\$3,671	\$3,781	19	\$198.42	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$283,908	\$292,426	8,072	\$36.23
		Category Summary	\$760,832	\$644,622	10,380	\$62.10

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)
(5) Traffic Management					
(5b) Traffic Flow or Signalization (timing, surveillance)					
<i>Mission Viejo</i>	Alicia Parkway TSS	\$8,549	\$1,867	3,642	\$0.51
<i>Rancho Santa Margarita</i>	SMP Signal & Equipment Upgrade	\$6,058	\$1,323	1,031	\$1.28
<i>Laguna Niguel</i>	Traffic Signal Coordination	\$33,076	\$7,222	2,983	\$2.42
<i>Irvine</i>	Irvine Traffic Research and Control Center Signal Timing	\$45,299	\$46,658	14,486	\$3.22
<i>Costa Mesa</i>	Bear Street Traffic Signal Synchronization Project	\$15,845	\$3,460	803	\$4.31
<i>Costa Mesa</i>	Sunflower Avenue Traffic Signal Synchronization Project	\$18,220	\$3,978	831	\$4.79
<i>Santa Clarita</i>	Signal Synchronization Phase V (C0048)	\$100,732	\$21,995	3,665	\$6.00
<i>Los Angeles (City)</i>	Virgil Avenue	\$29,124	\$6,359	957	\$6.65
<i>Highland</i>	Traffic Signal Synchronization	\$51,414	\$11,226	1,335	\$8.41
<i>Los Angeles (City)</i>	Western Avenue	\$84,451	\$18,440	2,039	\$9.05
<i>Pomona</i>	Traffic Operations Communication Upgrade	\$33,288	\$7,269	734	\$9.90
<i>Los Angeles (City)</i>	Cesar E Chavez Avenue	\$52,062	\$11,368	1,040	\$10.93
<i>Los Angeles (City)</i>	West Slauson Avenue	\$86,151	\$18,811	1,522	\$12.36
<i>Rancho Santa Margarita</i>	Traffic Signal battery Backup System (Carryover)	\$90,276	\$19,712	1,375	\$14.34
<i>Los Angeles (City)</i>	North Broadway	\$61,166	\$13,356	909	\$14.70
<i>Los Angeles (City)</i>	Fairfax Avenue	\$31,347	\$6,845	411	\$16.64
<i>Moreno Valley</i>	Traffic Signal Coordination Program	\$15,668	\$1,053	62	\$17.00
<i>Los Angeles (City)</i>	East Olympic Boulevard	\$74,071	\$16,174	845	\$19.13
<i>Rancho Cucamonga</i>	FWY/Arterial Synchronization Project	\$63,050	\$13,767	675	\$20.41
<i>Huntington Beach</i>	Adams signal synchronization	\$24,589	\$5,369	247	\$21.75
<i>Los Angeles (City)</i>	Glenoaks Boulevard	\$208,410	\$45,507	1,678	\$27.12
<i>Los Angeles (City)</i>	Jefferson Boulevard	\$58,938	\$12,869	455	\$28.28
<i>Fontana</i>	San Bernardino Valley Coordinated Traffic Signal System	\$187,954	\$41,041	1,200	\$34.20
<i>Los Angeles (City)</i>	Glendale Boulevard	\$60,911	\$13,300	325	\$40.95
<i>Los Angeles (City)</i>	South Beverly Glen Boulevard	\$29,526	\$6,447	141	\$45.75
<i>Los Angeles (City)</i>	Beverly Glen Boulevard	\$36,409	\$7,950	143	\$55.74
<i>Los Angeles (City)</i>	East Mission Road	\$11,949	\$2,609	45	\$57.78
<i>Los Angeles (City)</i>	Woodley Avenue	\$175,487	\$38,318	541	\$70.88
<i>Huntington Beach</i>	Edinger signal synchronization	\$25,166	\$5,495	44	\$125.78
<i>Lake Forest</i>	El Toro Road Traffic Signal Synchronization	\$5,808	\$5,983	4,413	\$1.36

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)
Rancho Santa Margarita	Los Alisos/Melinda Road Signal Equipment Update	\$5,130	\$1,120	157	\$7.14
Riverside (City)	Riverside Traffic Management Center	\$1,443	\$1,487	4	\$423.76
Subcategory Totals and Average cost-effectiveness**:		\$1,731,565	\$418,380	48,735	\$8.58
	Subcategory Summary	\$1,731,565	\$418,380	48,735	\$8.58
	Category Summary	\$1,731,565	\$418,380	48,735	\$8.58
(6) Transportation Demand Management					
(6a) Employer-Based Trip Reduction					
County of Riverside	Commuter Service Rideshare Program	\$100,584	\$103,601	34,716	\$2.98
Huntington Beach	Employee Rideshare Program	\$19,048	\$19,619	6,380	\$3.08
Fontana	Employee Rideshare Program	\$11,833	\$12,188	703	\$17.34
County of Orange	Employee Rideshare program	\$35,000	\$36,050	16,530	\$2.18
Pasadena	Rideshare program	\$84,975	\$87,524	3,303	\$26.49
Glendale	Employer Based Trip Reduction Program	\$84,790	\$87,334	2,699	\$32.36
Westminster	Employee Rideshare Program	\$5,057	\$5,209	155	\$33.55
County of LA	Countywide Rideshare Program	\$2,350,221	\$2,420,728	68,131	\$35.53
Anaheim	TRIP REDUCTION	\$80,376	\$82,787	2,259	\$36.66
Torrance	Employee Rideshare	\$142,494	\$146,769	3,089	\$47.51
Santa Clarita	Rideshare passes	\$1,763	\$1,816	36	\$50.45
County of San Bernardino	Employee Commute Reduction Program	\$318,754	\$328,317	6,372	\$51.53
Los Angeles (City)	Employer's Transit Subsidy Program	\$716,844	\$738,349	13,109	\$56.33
Ontario	Rideshare	\$21,272	\$21,910	375	\$58.35
San Bernardino (City)	Rideshare Program	\$6,861	\$7,067	110	\$64.32
Los Angeles (City)	Employer's Carpool Transit Incentive Program	\$152,284	\$156,853	2,305	\$68.05
Commerce	Employer Based Trip Reduction	\$12,285	\$12,654	172	\$73.48
Redondo Beach	Employee Rideshare	\$51,556	\$53,103	694	\$76.52
Azusa	Rideshare Financial Incentives	\$6,929	\$7,137	83	\$86.43
Riverside (City)	Employee Rideshare Program	\$900	\$927	11	\$87.56
Palm Desert	City Rideshare Program	\$597	\$615	7	\$91.11
Montebello	Employee Commute Reduction Program	\$19,425	\$20,008	209	\$95.77
Monrovia	Rideshare Incentive	\$5,550	\$5,717	56	\$101.24
Whittier	Employee Based Trip Reduction	\$3,230	\$3,327	32	\$102.69
Orange (City)	Trip Reduction Program	\$102,630	\$105,709	993	\$106.45
Rancho Cucamonga	RIDESHARE PROGRAM	\$14,362	\$14,793	137	\$108.04
Stanton	Commute Incentive Program	\$30	\$31	0	\$109.45
Baldwin Park	Employer Trip Reduction Incentive Programs	\$1,238	\$1,275	11	\$112.87
Hawthorne	Financial Incentive for Rideshare	\$1,840	\$1,895	16	\$116.75

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)	
<i>Hermosa Beach</i>	Auto Trip Reduction	\$3,690	\$3,801	31	\$122.23	
<i>Cerritos</i>	City Employee Rideshare Trip Rebate Program	\$20,055	\$20,657	161	\$127.94	
<i>Buena Park</i>	Employer Trip Reduction Program	\$11,265	\$11,603	73	\$158.07	
<i>Rialto</i>	Employee Rideshare Program	\$46,194	\$47,580	278	\$171.10	
<i>La Verne</i>	Bike, Carpool, Walk, Incentive Program	\$6,466	\$6,660	35	\$188.73	
<i>Los Angeles (City)</i>	Bicycle/Walk Incentive Program	\$24,106	\$24,829	128	\$193.32	
<i>Burbank</i>	Employee Rideshare Subsidies	\$63,838	\$65,754	335	\$196.55	
<i>West Hollywood</i>	Alternative Transportation Mode Incentive	\$19,165	\$19,740	96	\$205.65	
<i>Bell Gardens</i>	Employees Rideshare Subsidies	\$1,820	\$1,875	8	\$221.34	
<i>Arcadia</i>	Rideshare Plus Program	\$17,285	\$17,804	75	\$237.97	
<i>Upland</i>	Rideshare Activities	\$13,302	\$13,701	56	\$242.66	
<i>Carson</i>	Employee Carpool Program	\$18,184	\$18,730	75	\$250.35	
<i>El Monte</i>	Monthly Rideshare Incentive	\$44,907	\$46,255	171	\$270.81	
<i>Santa Ana</i>	Blue Skies Rideshare	\$14,052	\$14,474	51	\$283.54	
<i>Downey</i>	Downey Employee "Thumbs Up" Commuting Program	\$127,517	\$131,343	455	\$288.97	
<i>Montclair</i>	Ride Share Program	\$26,782	\$27,586	93	\$297.60	
<i>Burbank</i>	Employee Transit Subsidies	\$71,694	\$73,845	157	\$471.63	
<i>Palm Springs</i>	Rideshare and Alternative Vehicle Incentives	\$6,574	\$6,771	11	\$619.45	
<i>Garden Grove</i>	TDM Services	\$42,713	\$43,994	65	\$672.28	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$4,932,337	\$5,080,307	165,048	\$30.78
(6b) Other Trip Reduction Incentive Programs						
<i>Laguna Beach</i>	Free Ride to Work Program	\$150	\$155	21	\$7.23	
<i>Monterey Park</i>	Employee Rideshare Program	\$16,000	\$16,480	127	\$129.72	
<i>Whittier</i>	GO RIO Rio Hondo College bus pass program	\$9,268	\$9,546	18	\$529.51	
<i>San Juan Capistrano</i>	Senior Nutritional Transportation Program	\$9,692	\$9,983	28	\$350.46	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$35,110	\$36,163	195	\$185.54
(6c) Vanpool Programs						
<i>Los Angeles (City)</i>	Employer's Vanpool Program	\$52,168	\$53,733	5,568	\$9.65	
<i>County of San Bernardino</i>	Vanpool Subsidy Program	\$44,050	\$45,372	137	\$332.23	
<i>Garden Grove</i>	Vanpool Program Conventional Gas	\$57,676	\$59,406	101	\$590.82	
<i>Anaheim</i>	Vanpool	\$120,136	\$123,740	125	\$989.25	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$274,030	\$282,251	5,930	\$47.60

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)	
(6e) Telecommunication						
<i>Laguna Woods</i>	Telecommuting	\$1,580	\$345	38	\$9.00	
<i>Bell Gardens</i>	Purchased a webcam with microphone	\$28	\$29	1	\$19.74	
<i>Pasadena</i>	Telecommuting	\$210,257	\$45,911	1,107	\$41.48	
<i>Corona</i>	Microsoft Surface Pros (two) Telecommuting Tablets	\$2,153	\$470	5	\$88.70	
<i>Beaumont</i>	Computer and Computer Supplies	\$22,190	\$4,845	49	\$99.00	
<i>South Pasadena</i>	Teleworking	\$55,038	\$12,018	105	\$114.24	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$291,247	\$63,618	1,306	\$48.71
		Category Summary	\$5,532,723	\$5,462,338	172,479	\$31.67
(8) Bicycles						
(8a) Bicycle Lanes and Trails (also bridges)						
<i>Fullerton</i>	East Wilshire Bike Boulevard	\$9,502	\$796	249	\$3.20	
<i>Long Beach</i>	Willow Bike Path Gap Closure	\$124	\$8	17	\$0.49	
<i>Fontana</i>	Alder-Locust-Ramona SRTS	\$452	\$465	22	\$21.18	
<i>Artesia</i>	Historic District Recreational Trails	\$1,082	\$73	28	\$2.64	
<i>Rancho Cucamonga</i>	PE TRAIL ENHANCEMENTS	\$41,504	\$3,477	81	\$42.73	
<i>Temecula</i>	Citywide Buffered Bike Lane Striping	\$50,000	\$4,188	64	\$65.07	
<i>Temecula</i>	Bike Lane and Trail Program Temecula Creek South Side Trail	\$67,845	\$4,560	99	\$46.15	
<i>Irvine</i>	Infrastructure and Amenity Improvements for Bike Lanes	\$103,368	\$8,659	8	\$1,118.78	
<i>Garden Grove</i>	Active Transportation Program	\$400,000	\$26,886	62	\$432.75	
<i>Lomita</i>	Installation of bicycle lanes	\$10,810	\$1,811	1	\$2,054.77	
<i>Long Beach</i>	3rd & Broadway Cycle Track	\$25,722	\$1,729	1	\$1,736.02	
<i>Long Beach</i>	Pier J Bicycle Path	\$34,426	\$2,884	0	\$28,386.99	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$744,836	\$55,536	632	\$87.91
(8c) Bicycle Usage (electric bikes, purchases, loaner projects)						
<i>Inglewood</i>	Purchase of 8 electric bikes	\$23,358	\$2,738	82	\$33.28	
<i>Orange (City)</i>	Police Bike Team	\$8,370	\$981	14	\$70.54	
<i>Paramount</i>	Purchase of Bicycle	\$1,167	\$255	1	\$274.79	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$32,895	\$3,974	97	\$40.92
		Category Summary	\$777,731	\$59,511	729	\$81.65

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)	
(9) PM Reduction Strategies						
(9a) Road Dust Control (paving roads, shoulders, street sweeping)						
Hawthorne	RM 10 reduction street sweeping project	\$100,000	\$11,723	2,251	\$5.21	
Lomita	Leasing alternative fuel street sweepers	\$15,000	\$1,758	283	\$6.22	
El Monte	Regional PM10 Street Sweeper Contract (2 Vehicles)	\$27,771	\$28,604	3,488	\$8.20	
Walnut	Street Sweeping with CNG Sweeper	\$30,000	\$30,900	913	\$33.83	
Loma Linda	City Street Sweeping	\$22,607	\$2,650	63	\$42.00	
Moreno Valley	Street Sweeping Program	\$228,378	\$235,229	2,358	\$99.74	
La Quinta	Regional PM10 Street Sweeping Program Using 2 Sweepers	\$29,913	\$30,810	283	\$108.71	
County of Riverside	Regional PM10 Street Sweeping Program Using 2 Sweepers	\$51,278	\$52,816	367	\$143.74	
Rancho Mirage	Regional PM10 Street Sweeping Program Using 2 Sweepers	\$17,409	\$17,931	125	\$144.01	
Coachella	Regional PM10 Street Sweeping Program Using 2 Sweepers	\$43,824	\$45,139	313	\$144.11	
Desert Hot Springs	Regional PM10 Street Sweeping Program Using 2 Sweepers	\$27,611	\$28,439	197	\$144.35	
Cathedral City	Regional PM10 Street Sweeping Program Using 2 Sweepers	\$51,933	\$53,491	370	\$144.40	
Palm Springs	Regional PM Street Sweeping Program Using 2 Sweepers	\$46,083	\$47,466	328	\$144.61	
Indio	Regional PM10 Street Sweeping Program Using 2 Sweepers	\$84,723	\$87,265	603	\$144.75	
Palm Desert	Regional PM10 Street Sweeping Program Using Two Sweepers	\$50,725	\$52,247	361	\$144.79	
Indian Wells	Regional PM10 Street Sweeping Program Using 2 Sweepers	\$6,449	\$6,643	36	\$185.53	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$833,705	\$733,113	12,341	\$59.41
		Category Summary	\$833,705	\$733,113	12,341	\$59.41
(11) Miscellaneous Projects						
(11a) Miscellaneous (use with "Miscellaneous Projects" Category)						
Pomona	Purchase of Emission Credits	\$2,995	\$3,085	962	\$3.21	
Inglewood	Rule 2202 MSERC's	\$9,600	\$9,888	1,061	\$9.32	
Fullerton	Rule 2202 Emission Credits	\$11,229	\$11,566	1,045	\$11.06	
Riverside (City)	AQMD Rule 2202 Compliance	\$7,296	\$7,514	634	\$11.85	
Irvine	Purchase Rule 2202 Credits	\$8,268	\$8,516	631	\$13.50	
Chino	Vehicle Emission Credits Purchased	\$5,251	\$5,409	259	\$20.88	
Subcategory Totals and Average cost-effectiveness**:		Subcategory Summary	\$44,639	\$45,978	4,592	\$10.01
		Category Summary	\$44,639	\$45,978	4,592	\$10.01

Project Category	Project Name	MVFees	Air Funds* Amortized	Emission Reductions ROG+NOx+PM2.5 +CO/7 (lbs/year)	Cost- Effectiveness (\$/lb)
Program Summary		\$15,239,165	\$8,475,707	263,654	\$32.15

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

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

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

Cost-Effectiveness of Funding by Project

Fiscal Year 2019 - 2020

Project Category	Project Name	Cost-Effectiveness (\$/lb) *Based on ROG+NOx+PM2.5		Cost-Effectiveness (\$/lb) Based on ROG+NOx+PM2.5+CO/7	
		Air Funds	ALL Funds	Air Funds	ALL Funds
(1) Alternative Fuels/Electric Vehicles					
<i>Aliso Viejo</i>	1 alternative fuel vehicle	\$44,366.57	\$44,366.57	\$14,590.35	\$14,590.35
<i>Aliso Viejo</i>	2 (2020) electric vehicles	\$41,411.40	\$41,411.40	\$11,902.09	\$11,902.09
<i>Arcadia</i>	Vehicle Replacement - Public Works Vehicle	\$22.07	\$22.07	\$21.56	\$21.56
<i>Arcadia</i>	Vehicle Replacement - Public Works Vehicle	\$12.75	\$12.75	\$12.36	\$12.36
<i>Azusa</i>	Lease of Hybrid Pool Vehicles	\$16,717.84	\$16,717.84	\$5,497.81	\$5,497.81
<i>Baldwin Park</i>	Fleet Leasing Program	\$785.54	\$785.54	\$540.82	\$540.82
<i>Baldwin Park</i>	Fleet Leasing Program	\$1,285.05	\$1,285.05	\$870.51	\$870.51
<i>Baldwin Park</i>	Fleet Leasing Program	\$15,745.53	\$15,745.53	\$5,178.06	\$5,178.06
<i>Beaumont</i>	2020 Ford Fusion Plug In Hybrid	\$19,715.02	\$19,715.02	\$6,483.46	\$6,483.46
<i>Buena Park</i>	CNG Street Sweeper	\$267.72	\$267.72	\$267.32	\$267.32
<i>Calabasas</i>	Continued lease of City fleet	\$3,596.27	\$3,596.27	\$1,182.67	\$1,182.67
<i>Carson</i>	Acquisition of New Light Duty On-Road	\$1,026.33	\$1,207.17	\$294.98	\$346.95
<i>Corona</i>	CNG Vactor Sewer Cleaning Truck	\$502.24	\$502.24	\$491.35	\$491.35
<i>Covina</i>	One Prius Lease	\$62,366.51	\$62,366.51	\$20,509.79	\$20,509.79
<i>Covina</i>	Purchase of 2 Mitsubishi Outlander Vehicles	\$14,925.08	\$14,925.08	\$4,908.25	\$4,908.25
<i>Cudahy</i>	2018 Ford Fusion	\$48,469.18	\$48,469.18	\$15,939.53	\$15,939.53
<i>Cudahy</i>	2018 Toyota Highlander	\$54,505.56	\$54,505.56	\$17,924.65	\$17,924.65
<i>Cypress</i>	Compressed Natural Gas Sewer Cleaning	\$302.36	\$302.36	\$301.20	\$301.20
<i>El Monte</i>	Public Works Electric Truck	\$137.38	\$137.38	\$135.13	\$135.13
<i>El Segundo</i>	Purchased 1 Nissan Leaf	\$1,266.66	\$1,266.66	\$364.05	\$364.05
<i>Fontana</i>	AFV Rebate Program	\$30.80	\$30.80	\$5.96	\$5.96
<i>Fontana</i>	AFV Rebate Program	\$128.32	\$128.32	\$42.20	\$42.20
<i>Fountain Valley</i>	Purchased Two Electric Vehicle	\$10,800.60	\$10,800.60	\$3,104.21	\$3,104.21
<i>Fullerton</i>	Lease of Pool Cars	\$2,989.09	\$2,989.09	\$982.99	\$982.99
<i>Garden Grove</i>	Alternative Fuel Vehicle Rebate Program	\$82.19	\$82.19	\$23.62	\$23.62
<i>Gardena</i>	Lease payments for (1) 2018 Toyota Avalon	\$2,744.09	\$2,744.09	\$902.42	\$902.42
<i>Gardena</i>	Lease payments for (2) 2016 Ford Fusion	\$9,322.33	\$9,322.33	\$3,065.73	\$3,065.73
<i>Gardena</i>	Lease payments for (1) 2020 Tesla Model 3	\$825.38	\$825.38	\$237.22	\$237.22
<i>Gardena</i>	Lease payments for (1) 2019 Hyundai Ioniq	\$3,216.09	\$3,216.09	\$1,057.64	\$1,057.64
<i>Gardena</i>	Lease payment for (1) 2019 Tesla Model 3	\$323.98	\$323.98	\$93.11	\$93.11
<i>Highland</i>	2020 Chevy Bolt EV	\$3,241.39	\$3,241.39	\$931.61	\$931.61
<i>Huntington Park</i>	Hybrid Leased Vehicles	\$695.45	\$695.45	\$228.71	\$228.71

Project Category	Project Name	Cost-Effectiveness (\$/lb)		Cost-Effectiveness (\$/lb)	
		*Based on		Based on	
		ROG+NOx+PM2.5		ROG+NOx+PM2.5+CO/7	
		Air Funds	ALL Funds	Air Funds	ALL Funds
<i>Inglewood</i>	Purchase of 11 hybrid vehicles	\$7,262.71	\$7,262.71	\$2,388.41	\$2,388.41
<i>Irwindale</i>	John Deere Electronic Utility Vehicles	\$125.36	\$1,380.05	\$36.03	\$396.64
<i>Jurupa Valley</i>	Hybrid vehicle purchase 2019-20	\$47,657.97	\$47,657.97	\$15,672.76	\$15,672.76
<i>La Mirada</i>	Purchase Ford Fusion	\$134,471.52	\$134,471.52	\$44,222.18	\$44,222.18
<i>La Puente</i>	2019 FORD FUSION SPECIAL SERVICE	\$11,628.73	\$11,628.73	\$3,824.21	\$3,824.21
<i>La Puente</i>	2020 FORD FUSION SPECIAL SERVICE	\$11,858.71	\$11,858.71	\$3,899.84	\$3,899.84
<i>La Puente</i>	2019 GEM EM1400LSV ELECTRIC	\$229.11	\$229.11	\$157.59	\$157.59
<i>La Puente</i>	2020 FORD FUSION ENERGI	\$11,408.68	\$11,408.68	\$3,751.85	\$3,751.85
<i>Laguna Niguel</i>	Hybrid Lease Vehicles	\$1,640.23	\$1,640.23	\$539.41	\$539.41
<i>Lawndale</i>	Municipal Services - 2020 Toyota Prius	\$7,546.75	\$7,546.75	\$2,481.82	\$2,481.82
<i>Lomita</i>	Lease of E Nissan Leaf vehicle to replace gas	\$3,047.38	\$3,047.38	\$875.85	\$875.85
<i>Lomita</i>	Lease of Volkswagen e-Golf vehicle to replace	\$4,820.92	\$4,820.92	\$1,385.58	\$1,385.58
<i>Long Beach</i>	Differential Cost for Purchase of CNG Vehicles	\$4,038.49	\$28,694.76	\$4,038.49	\$28,694.76
<i>Long Beach</i>	Gas to CNG Conversion	\$689.77	\$750.56	\$467.27	\$508.44
<i>Long Beach</i>	Differential Cost to purchase CNG vehicle	\$5,567.20	\$41,765.32	\$5,567.20	\$41,765.32
<i>Long Beach</i>	Gas to Electric Conversion	\$424.08	\$848.17	\$121.89	\$243.77
<i>Long Beach</i>	Differential Cost for Purchase of CNG vehicles	\$518.22	\$4,209.59	\$356.78	\$2,898.19
<i>Los Angeles (City)</i>	Alt Fuel Veh Purch: 8 New CNG Street	\$10.57	\$197.49	\$10.56	\$197.27
<i>Los Angeles (City)</i>	Alt Fuel Veh Purch: 7 CNG Solid Resources	\$9.83	\$140.95	\$9.74	\$139.58
<i>Menifee</i>	FY19-20 Alternative Fuel Vehicle Purchase	\$10,421.48	\$10,421.48	\$3,427.20	\$3,427.20
<i>Monrovia</i>	Purchased five 2020 Chevrolet Bolt Electric	\$1,202.30	\$1,202.30	\$345.55	\$345.55
<i>Norwalk</i>	Cleaner Street Sweeping Contract	\$18.16	\$178.35	\$17.86	\$175.39
<i>Orange (City)</i>	Public Works Fleet Services Vehicle	\$133.36	\$133.36	\$129.35	\$129.35
<i>Orange (City)</i>	Electric Motor Vehicle Replacement	\$830.41	\$830.41	\$238.67	\$238.67
<i>Orange (City)</i>	Public Works Fleet Replacement	\$1,400.14	\$1,400.14	\$402.42	\$402.42
<i>Paramount</i>	Purchase of Electric Gator	\$321.26	\$321.26	\$92.33	\$92.33
<i>Paramount</i>	Electric Gold Carts	\$461.81	\$461.81	\$132.73	\$132.73
<i>Perris</i>	Purchase of Six New Toyota Hybrid Vehicles	\$22,464.74	\$22,464.74	\$7,387.73	\$7,387.73
<i>Pico Rivera</i>	Lease payments (4) Hybrid Vehicles (2019	\$44,267.92	\$44,267.92	\$14,557.91	\$14,557.91
<i>Pico Rivera</i>	Two - 2014 Toyota Prius C	\$36,003.07	\$36,003.07	\$11,839.93	\$11,839.93
<i>Placentia</i>	Replacement of City's Aging Aerial Buck	\$303.56	\$303.56	\$297.42	\$297.42
<i>Placentia</i>	Purchase of 10 Chevy EV Sparks	\$5,311.31	\$5,311.31	\$1,526.53	\$1,526.53
<i>Pomona</i>	CNG Ford F250	\$2,227.75	\$2,227.75	\$1,509.12	\$1,509.12
<i>Pomona</i>	CNG Trash Trucks Lease Payment (22)	\$38.04	\$286.57	\$37.50	\$282.53
<i>Redlands</i>	Partially fund 1 Zeus 305 Electric Utility Shuttle	\$1,424.88	\$1,424.88	\$1,406.36	\$1,406.36
<i>Riverside (City)</i>	Electric Vehicle Rebate Program	\$13.92	\$13.92	\$4.00	\$4.00

Project Category	Project Name	Cost-Effectiveness (\$/lb)		Cost-Effectiveness (\$/lb)	
		*Based on		Based on	
		ROG+NOx+PM2.5		ROG+NOx+PM2.5+CO/7	
		Air Funds	ALL Funds	Air Funds	ALL Funds
<i>Riverside (City)</i>	Vactor Truck Purchase	\$306.89	\$306.89	\$301.80	\$301.80
<i>San Jacinto</i>	2020 GapVax Vactor Truck Purchase	\$90.61	\$90.61	\$87.89	\$87.89
<i>San Juan Capistrano</i>	Purchase Club Car CA500 Model 104030201,	\$101,985.68	\$101,985.68	\$29,311.80	\$29,311.80
<i>Santa Monica</i>	EV Purchases - 4 Motorcycles for Police Dept.	\$1,204.61	\$2,409.22	\$346.22	\$692.44
<i>Stanton</i>	Purchase of 2 Plug-In Hybrids to replace aging	\$33,898.05	\$33,898.05	\$11,147.68	\$11,147.68
<i>Temple City</i>	Continued 1-year lease of seven Alternative	\$7,573.64	\$7,573.64	\$2,490.66	\$2,490.66
<i>Temple City</i>	5-year Contract lease of seven Alternative Fuel	\$22,027.46	\$22,027.46	\$7,243.93	\$7,243.93
<i>Torrance</i>	CNG Dump Truck Purchase	\$34.91	\$419.78	\$34.57	\$415.69
<i>Upland</i>	Vehicle Purchase	\$6,303.72	\$6,303.72	\$2,073.03	\$2,073.03
<i>Upland</i>	Vehicle Purchase	\$286.67	\$286.67	\$265.03	\$265.03
<i>West Covina</i>	Alternative-Fueled Vehicles Purchase	\$1,734.43	\$1,734.43	\$1,194.11	\$1,194.11
<i>Westlake Village</i>	Lease of Alternative Fuel Vehicle	\$1,902.22	\$1,902.22	\$625.56	\$625.56
<i>Westminster</i>	WOW Van	\$934.26	\$934.26	\$896.73	\$896.73
<i>Yorba Linda</i>	Alternative Fuel Vehicle Program	\$8,133.86	\$8,133.86	\$2,674.89	\$2,674.89
(2) Vehicle Emissions Abatement					
<i>South El Monte</i>	Electric 60" Riding Mower	\$7.80	\$7.80	\$7.80	\$7.80
(3) Land Use					
<i>Yucaipa</i>	Street sidewalks - Ave E, Adams St, Yucaipa	\$38.82	\$38.82	\$24.02	\$24.02
(4) Public Transportation (Transit & Rail)					
<i>Anaheim</i>	Metrolink OCTA Subsidies	\$82.31	\$93.79	\$70.17	\$79.96
<i>Azusa</i>	Transit Pass Subsidy	\$105.52	\$105.52	\$60.92	\$60.92
<i>Claremont</i>	Public Transportation Reimbursement	\$250.71	\$250.71	\$144.74	\$144.74
<i>Corona</i>	Corona Cruiser Fare Subsidy	\$87.01	\$87.01	\$53.77	\$53.77
<i>Covina</i>	Commuter Choice	\$222.92	\$222.92	\$128.57	\$128.57
<i>Garden Grove</i>	Transit Subsidy (Metrolink & Bus)	\$343.68	\$343.68	\$198.42	\$198.42
<i>Glendale</i>	Transit Fare Subsidy	\$271.39	\$271.39	\$156.49	\$156.49
<i>Grand Terrace</i>	Senior Transportation Program	\$563.41	\$1,690.22	\$420.00	\$1,259.99
<i>Huntington Beach</i>	4th of July/U.S Open/Air Show Shuttle	\$667.96	\$667.96	\$410.11	\$410.11
<i>La Habra</i>	Shuttle to Transport Seniors	\$7,137.93	\$14,597.95	\$4,198.37	\$8,586.19
<i>Laguna Beach</i>	Free Main Line Service During the Summer.	\$35.64	\$35.64	\$21.88	\$21.88
<i>Norwalk</i>	Transit Subsidy	\$114.78	\$114.78	\$66.27	\$66.27
<i>Placentia</i>	Senior Mobility Program	\$1,503.99	\$7,392.67	\$884.62	\$4,348.21
<i>Riverside (City)</i>	City Pass Program	\$241.57	\$241.57	\$139.47	\$139.47
<i>Riverside (City)</i>	Festival of Lights Shuttle Service	\$28,803.82	\$28,803.82	\$18,949.97	\$18,949.97
<i>Riverside (City)</i>	Riverside Go Transit Bus Pass Subsidy	\$22.47	\$22.47	\$13.36	\$13.36

Project Category	Project Name	Cost-Effectiveness (\$/lb)		Cost-Effectiveness (\$/lb)	
		*Based on		Based on	
		ROG+NOx+PM2.5		ROG+NOx+PM2.5+CO/7	
		Air Funds	ALL Funds	Air Funds	ALL Funds
Laguna Woods	Telecommuting	\$15.57	\$15.57	\$9.00	\$9.00
Los Angeles (City)	Bicycle/Walk Incentive Program	\$340.68	\$340.68	\$193.32	\$193.32
Los Angeles (City)	Employer's Carpool Transit Incentive Program	\$117.86	\$117.86	\$68.05	\$68.05
Los Angeles (City)	Employer's Vanpool Program	\$13.53	\$192.88	\$9.65	\$137.54
Los Angeles (City)	Employer's Transit Subsidy Program	\$97.68	\$97.68	\$56.33	\$56.33
Monrovia	Rideshare Incentive	\$175.36	\$175.36	\$101.24	\$101.24
Montclair	Ride Share Program	\$467.57	\$467.57	\$297.60	\$297.60
Montebello	Employee Commute Reduction Program	\$165.88	\$165.88	\$95.77	\$95.77
Monterey Park	Employee Rideshare Program	\$224.69	\$224.69	\$129.72	\$129.72
Ontario	Rideshare	\$101.07	\$101.07	\$58.35	\$58.35
Orange (City)	Trip Reduction Program	\$184.38	\$184.38	\$106.45	\$106.45
Palm Desert	City Rideshare Program	\$157.91	\$157.91	\$91.11	\$91.11
Palm Springs	Rideshare and Alternative Vehicle Incentives	\$1,078.60	\$1,078.60	\$619.45	\$619.45
Pasadena	Rideshare program	\$45.89	\$45.89	\$26.49	\$26.49
Pasadena	Telecommuting	\$71.94	\$71.94	\$41.48	\$41.48
Rancho Cucamonga	RIDESHARE PROGRAM	\$187.13	\$187.13	\$108.04	\$108.04
Redondo Beach	Employee Rideshare	\$132.45	\$132.45	\$76.52	\$76.52
Rialto	Employee Rideshare Program	\$296.36	\$296.36	\$171.10	\$171.10
Riverside (City)	Employee Rideshare Program	\$151.66	\$151.66	\$87.56	\$87.56
San Bernardino (City)	Rideshare Program	\$111.41	\$111.41	\$64.32	\$64.32
San Juan Capistrano	Senior Nutritional Transportation Program	\$576.36	\$2,940.30	\$350.46	\$1,787.87
Santa Ana	Blue Skies Rideshare	\$491.03	\$491.03	\$283.54	\$283.54
Santa Clarita	Rideshare passes	\$87.38	\$87.38	\$50.45	\$50.45
South Pasadena	Teleworking	\$198.12	\$198.12	\$114.24	\$114.24
Stanton	Commute Incentive Program	\$189.58	\$189.58	\$109.45	\$109.45
Torrance	Employee Rideshare	\$80.99	\$80.99	\$47.51	\$47.51
Upland	Rideshare Activities	\$420.30	\$420.30	\$242.66	\$242.66
West Hollywood	Alternative Transportation Mode Incentive	\$356.21	\$356.21	\$205.65	\$205.65
Westminster	Employee Rideshare Program	\$58.10	\$58.10	\$33.55	\$33.55
Whittier	Employee Based Trip Reduction	\$178.19	\$178.19	\$102.69	\$102.69
Whittier	GO RIO Rio Hondo College bus pass program	\$875.90	\$875.90	\$529.51	\$529.51

Project Category	Project Name	Cost-Effectiveness (\$/lb)		Cost-Effectiveness (\$/lb)	
		*Based on		Based on	
		Air Funds	ALL Funds	Air Funds	ALL Funds
(8) Bicycles					
<i>Artesia</i>	Historic District Recreational Trails	\$4.29	\$65.52	\$2.64	\$40.28
<i>Fontana</i>	Alder-Locust-Ramona SRTS	\$38.26	\$38.26	\$21.18	\$21.18
<i>Fullerton</i>	East Wilshire Bike Boulevard	\$5.14	\$5.14	\$3.20	\$3.20
<i>Garden Grove</i>	Active Transportation Program	\$699.49	\$3,273.61	\$432.75	\$2,025.27
<i>Inglewood</i>	Purchase of 8 electric bikes	\$93.05	\$93.05	\$33.28	\$33.28
<i>Irvine</i>	Infrastructure and Amenity Improvements for	\$1,797.07	\$1,797.07	\$1,118.78	\$1,118.78
<i>Lomita</i>	Installation of bicycle lanes	\$3,300.51	\$3,300.51	\$2,054.77	\$2,054.77
<i>Long Beach</i>	Pier J Bicycle Path	\$44,604.81	\$63,450.53	\$28,386.99	\$40,380.61
<i>Long Beach</i>	Willow Bike Path Gap Closure	\$0.80	\$17.73	\$0.49	\$10.90
<i>Long Beach</i>	3rd & Broadway Cycle Track	\$2,808.62	\$27,341.18	\$1,736.02	\$16,899.69
<i>Orange (City)</i>	Police Bike Team	\$245.44	\$245.44	\$70.54	\$70.54
<i>Paramount</i>	Purchase of Bicycle	\$956.10	\$956.10	\$274.79	\$274.79
<i>Rancho Cucamonga</i>	PE TRAIL ENHANCEMENTS	\$68.64	\$68.64	\$42.73	\$42.73
<i>Temecula</i>	Bike Lane and Trail Program Temecula Creek	\$74.33	\$876.45	\$46.15	\$544.13
<i>Temecula</i>	Citywide Buffered Bike Lane Striping	\$104.52	\$395.09	\$65.07	\$245.96
(9) PM Reduction Strategies					
<i>Cathedral City</i>	Regional PM10 Street Sweeping Program	\$144.41	\$144.41	\$144.40	\$144.40
<i>Coachella</i>	Regional PM10 Street Sweeping Program	\$144.12	\$144.12	\$144.11	\$144.11
<i>County of Riverside</i>	Regional PM10 Street Sweeping Program	\$143.76	\$143.76	\$143.74	\$143.74
<i>Desert Hot Springs</i>	Regional PM10 Street Sweeping Program	\$144.36	\$144.36	\$144.35	\$144.35
<i>El Monte</i>	Regional PM10 Street Sweeper Contract (2	\$8.26	\$8.26	\$8.20	\$8.20
<i>Hawthorne</i>	RM 10 reduction street sweeping project	\$5.29	\$5.29	\$5.21	\$5.21
<i>Indian Wells</i>	Regional PM10 Street Sweeping Program	\$185.55	\$185.55	\$185.53	\$185.53
<i>Indio</i>	Regional PM10 Street Sweeping Program	\$144.77	\$144.77	\$144.75	\$144.75
<i>La Quinta</i>	Regional PM10 Street Sweeping Program	\$108.72	\$108.72	\$108.71	\$108.71
<i>Loma Linda</i>	City Street Sweeping	\$42.02	\$42.02	\$42.00	\$42.00
<i>Lomita</i>	Leasing alternative fuel street sweepers	\$6.24	\$6.24	\$6.22	\$6.22
<i>Moreno Valley</i>	Street Sweeping Program	\$100.78	\$100.78	\$99.74	\$99.74
<i>Palm Desert</i>	Regional PM10 Street Sweeping Program	\$144.81	\$144.81	\$144.79	\$144.79
<i>Palm Springs</i>	Regional PM Street Sweeping Program Using 2	\$144.62	\$144.62	\$144.61	\$144.61
<i>Rancho Mirage</i>	Regional PM10 Street Sweeping Program	\$144.03	\$144.03	\$144.01	\$144.01
<i>Walnut</i>	Street Sweeping with CNG Sweeper	\$34.35	\$34.35	\$33.83	\$33.83

Project Category	Project Name	Cost-Effectiveness (\$/lb)		Cost-Effectiveness (\$/lb)	
		*Based on		Based on	
		ROG+NOx+PM2.5		ROG+NOx+PM2.5+CO/7	
		Air Funds	ALL Funds	Air Funds	ALL Funds
(11) Miscellaneous Projects					
<i>Chino</i>	Vehicle Emission Credits Purchased	\$20.88	\$20.88	\$20.88	\$20.88
<i>Fullerton</i>	Rule 2202 Emission Credits	\$19.47	\$19.47	\$11.06	\$11.06
<i>Inglewood</i>	Rule 2202 MSERC's	\$15.72	\$15.72	\$9.32	\$9.32
<i>Irvine</i>	Purchase Rule 2202 Credits	\$22.77	\$22.77	\$13.50	\$13.50
<i>Pomona</i>	Purchase of Emission Credits	\$5.41	\$5.41	\$3.21	\$3.21
<i>Riverside (City)</i>	AQMD Rule 2202 Compliance	\$20.76	\$20.76	\$11.85	\$11.85

*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 2019 - 2020

Motor Vehicle Fees	\$15,239,165
Air Funds (MV Fees+MSRC+Moyer)	\$15,733,746
Amortized Air Funds	\$8,475,707
Emission Reductions (lbs per year) (ROG + NOx + PM2.5 + CO/7)	263,654
Average Cost-Effectiveness (dollars per lb)	\$32.15

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 + PM2.5 + CO/7.