

State of California



California Environmental Protection Agency

AIR RESOURCES BOARD

Staff Report

**8-Hour Ozone State Implementation Plan
Emission Inventory Submittal**

Release Date: May 23, 2014

Meeting Date: June 26, 2014

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I. BACKGROUND

The federal Clean Air Act (Act) establishes planning requirements for those areas that exceed the health-based National Ambient Air Quality Standards (standards). Areas are designated as nonattainment based on monitored exceedances of these standards. These nonattainment areas must develop an emission inventory as the basis of a State Implementation Plan (SIP) that demonstrates how they will attain the standards by specified dates.

In 2008, the United States Environmental Protection Agency (U.S. EPA) strengthened the ambient air quality standard for 8-hour ozone from 0.08 to 0.075 parts per million (ppm). Effective July 20, 2012, U.S. EPA completed area designations for the 2008 8-hour ozone standard with sixteen areas in California classified as marginal, serious, severe, or extreme nonattainment (Figure 1).

The Act requires states and local governments to prepare baseline emission inventories for all areas exceeding the National Ambient Air Quality Standards within two years of designation. The Emission Inventory SIP Submittal has been compiled by Air Resources Board (ARB) staff and reflects the most up-to-date emission inventory for all areas. Since the Statewide attainment challenges for the national 8-hour standard occur in the summer months, this document includes the 2012 baseline summer season (May-October) planning emission inventories (tons/day) for nitrogen oxides (NO_x) and volatile organic compounds (VOCs), the two precursors to ozone formation, for the sixteen areas.

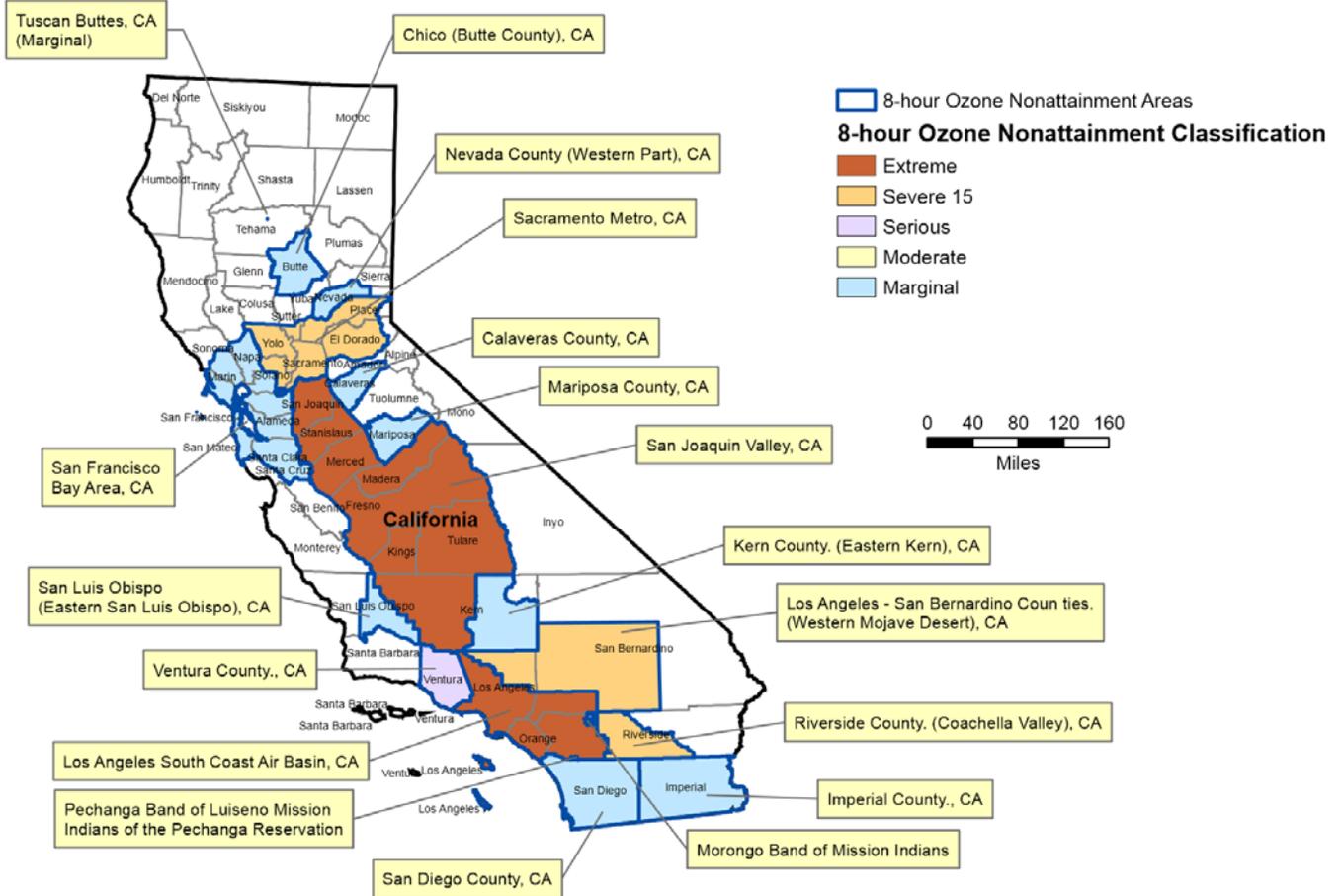
Emission inventory development is an ongoing process as new information becomes available and methodologies and models are improved. Inventories are frequently updated for SIPs to improve accuracy and ensure they reflect the best available data. Further improvements are currently under way and will be incorporated into additional SIP revisions required for the new 8-hour ozone standard for areas with the worst air quality. This includes attainment SIPs in 2016. Ultimately, the inventories are evaluated and approved by U.S. EPA.

The following areas in California have been designated as non-attainment:

1. Chico (Butte County)
2. Imperial County
3. Kern County (Eastern Kern)
4. Los Angeles-San Bernardino Counties (Western Mojave Desert)
5. Los Angeles-South Coast Air Basin
6. Mariposa County
7. Nevada County (Western Nevada)
8. Riverside County (Coachella Valley)
9. Sacramento Metropolitan Area
10. San Diego County
11. San Joaquin Valley
12. San Luis Obispo County (Eastern San Luis Obispo)
13. Ventura County
14. Calaveras County
15. San Francisco Bay Area
16. Tuscan Buttes*

*The Tuscan Buttes non-attainment area is a small high elevation area containing no anthropogenic sources and therefore, no emissions.

Figure 1. Map of EPA's Ozone 8-Hour (2008 Standard) designations for California.



II. EMISSION INVENTORY BACKGROUND

An emission inventory is a systematic listing of air pollutant sources, along with an accounting of the amount of pollutants emitted by each source or category over a given period of time. This accounting is an estimate of emissions, not a direct measurement of ambient concentrations.

The emission inventory is an essential tool to support the evaluation, control, and mitigation of air pollutants. Inventory data are used as primary input for air quality modeling, for developing control strategies, and to provide a means to track progress in meeting emissions reduction commitments. More specifically, the inventories are used to assist in demonstrating attainment of the standards.

California's emission inventory represents emission estimates from many source types. Stationary sources include industrial point sources such as power plants and oil refineries. Area-wide sources include categories where emissions take place over a wide geographic area such as consumer products, cooking, and agricultural burning. Area-wide sources also include smaller point sources, such as gasoline dispensing facilities and residential water heaters, which are not inventoried individually but estimated as a group. On-road mobile sources include passenger vehicles and heavy-

duty trucks while off-road mobile sources include aircraft, trains, ships, and farm equipment. Natural (non-anthropogenic) sources include vegetation (biogenic), petroleum seeps and wildfires. Note that the emission inventories represented in this document include only anthropogenic sources.

The development and maintenance of California's emission inventory is a multi-agency effort involving ARB, 35 local air pollution control and air quality management districts, metropolitan planning organizations, councils of governments, and the California Department of Transportation. Districts work with facility operators to provide stationary point source emission estimates. ARB and the districts use the best available methodologies to estimate emissions from both stationary and area-wide sources. ARB also develops and maintains mobile source emission models such as EMFAC. Metropolitan planning organizations also provide some population and transportation activity forecasts. These detailed stationary, area-wide, and mobile emission estimates, developed and provided by a variety of sources, are compiled and maintained by ARB in a comprehensive database.

A base year inventory contains the latest available data for a given calendar year and is used as a starting point for understanding current emission levels. Future-year inventories are developed by applying category-specific growth and control factors to the base year inventory to estimate projected emissions in future years. Growth and control factors represent the anticipated changes from the base year to the future years based on trends in economic and other human related activity as well as the effects of adopted emission control measures. Comparing base and future year inventories allows progress from emission reduction strategies to be measured. This submittal represents a base year inventory for 2012, chosen because it is the most recent year for which comprehensive emissions estimates are available.

III. UPDATES TO THE EMISSION INVENTORY

The following improvements were made to the 2012 emission inventory since the last comprehensive update conducted for the 2012 24-hour PM_{2.5} SIPs:

Stationary Sources:

Emission estimates from stationary point sources are updated on an annual basis or as needed by the districts. Updates provided by districts for inventory year 2012 are included in this inventory.

Area-wide Sources:

The Bay Area Air Quality Management District updated the 2011 area source inventory which was projected to 2012 for all area source categories.

Pesticide emissions were updated to reflect actual emissions reported by the Department of Pesticide Regulation for the 2012 inventory year. ARB staff created a merged statewide VOC emission inventory for 2012 from a mixed dataset which included emissions statewide and by ozone nonattainment areas.

On-Road Mobile:

On-road mobile emissions reflect recent draft updates to the EMFAC 2011 model. Updates to EMFAC include vehicle population and activity updates using Department of Motor Vehicles data, vehicle sales and survival rate estimates, fuel sales from Board of Equalization, and updates to mileage accrual rates using Smog Check data. Vehicle model year specific emission rates have been updated for medium-heavy and heavy-heavy duty diesel trucks. Rule compliance assumptions for the Truck and Bus regulation have also

been updated. Lastly, the default vehicle miles traveled (VMT) regional allocations have been adjusted using the 2012 National Transportation Atlas Database.

Off-road:

Off-road mobile emissions were updated with draft off-road data models. The following categories have been updated: ocean going vessels, recreational boats, recreational vehicles, off-road equipment and farm equipment.

The ocean going vessel inventory was updated to account for new information related to goods movement activity. The updates were based on growth projections from the Federal Highway Administrations Freight Analysis Framework model and supported by other forecasts done for the San Pedro Bay Ports.

Other off-road mobile categories such as cargo handling equipment, which use growth factors consistent with ocean going vessels, were also updated.

Off-road farm equipment emissions were updated as part of the in-use regulation development process. The updated inventory relies on newly available information from statewide surveys, economic assessments and a fuel analysis. The survey analysis resulted in an update to the age distribution of the statewide fleet. The agricultural equipment inventory (principally tractors, but also including a wide variety of farm equipment such as harvesters, loaders, cotton pickers, etc.) was completely revised based on a 2008 survey of California farmers, first processors, and equipment rental facilities. The detailed data on California farm practices was combined with statewide data on agricultural fuel use from the Board of Equalization, and United States Department of Agriculture data on farm equipment, to build a new inventory with revised equipment populations, activity, load factors, turnover practices and more.

IV. EMISSION INVENTORY – SPLIT REGIONS

Of the sixteen ozone non-attainment areas, five were split into regions not defined by ARB's county, air basin, and district boundaries. These five regions include: Western Nevada County, Sutter County (Sacramento Metropolitan Area), Eastern Kern County, Los Angeles-San Bernardino (Western Mojave Desert) and Eastern San Luis Obispo County. For these areas, the portion of emissions in the nonattainment area was estimated using category-specific factors based on the spatial distribution of population, employment, VMT and other activity parameters within the non-attainment region. These fractions were developed by ARB and the local air districts.

V. STAFF RECOMMENDATION

ARB staff has developed the 2012 emission inventory for ozone precursors in consultation with district staff and finds that the Emission Inventory SIP Submittal meets all applicable Clean Air Act requirements. Therefore, staff recommends that the Board adopt the 8-Hour Ozone State Implementation Plan Emission Inventory Submittal and recommends that the Executive Officer transmit this submittal to U.S. EPA.

Chico (Butte County) - 2012 Average Summer Daily Emissions (tons/day)

Stationary Sources	NOX	VOC
Fuel Combustion - Electric Utilities	0.42	0.15
Fuel Combustion - Cogeneration	0.01	0.00
Fuel Combustion - Oil And Gas Production (Combustion)	0.00	0.00
Fuel Combustion - Manufacturing And Industrial	0.31	0.01
Fuel Combustion - Food And Agricultural Processing	0.92	0.10
Fuel Combustion - Service And Commercial	0.19	0.01
Fuel Combustion - Other (Fuel Combustion)	0.10	0.01
Waste Disposal - Sewage Treatment	0.01	0.01
Waste Disposal - Incinerators	0.01	0.00
Waste Disposal - Other (Waste Disposal)	0.00	0.18
Cleaning And Surface Coatings - Laundering	0.00	0.01
Cleaning And Surface Coatings - Degreasing	0.00	0.47
Cleaning And Surface Coatings - Coatings And Related Process Solvents	0.00	0.35
Cleaning And Surface Coatings - Printing	0.00	0.07
Cleaning And Surface Coatings - Adhesives And Sealants	0.00	0.09
Petroleum Production And Marketing - Oil And Gas Production	0.01	0.09
Petroleum Production And Marketing - Petroleum Marketing	0.00	0.36
Petroleum Production And Marketing - Other (Petroleum Production And Marketing)	0.00	0.11
Industrial Processes - Chemical	0.00	0.02
Industrial Processes - Food And Agriculture	0.03	0.00
Industrial Processes - Mineral Processes	0.03	0.01
Industrial Processes - Metal Processes	0.00	0.00
Industrial Processes - Wood And Paper	0.00	0.02
Industrial Processes - Other (Industrial Processes)	0.00	0.01
Stationary Total	2.03	2.08
Area-Wide Sources	NOX	VOC
Solvent Evaporation - Consumer Products	0.00	1.27
Solvent Evaporation - Architectural Coatings And Related Process Solvents	0.00	0.80
Solvent Evaporation - Pesticides/Fertilizers	0.00	1.10
Solvent Evaporation - Asphalt Paving / Roofing	0.00	0.21
Miscellaneous Processes - Residential Fuel Combustion	0.29	0.37
Miscellaneous Processes - Farming Operations	0.00	0.32
Miscellaneous Processes - Fires	0.00	0.01
Miscellaneous Processes - Managed Burning And Disposal	0.37	0.70
Miscellaneous Processes - Cooking	0.00	0.04
Area-Wide Total	0.67	4.81
Mobile Sources	NOX	VOC
On-Road Motor Vehicles - Light Duty Passenger (LDA)	0.52	0.93
On-Road Motor Vehicles - Light Duty Trucks - 1 (LDT1)	0.15	0.33
On-Road Motor Vehicles - Light Duty Trucks - 2 (LDT2)	0.59	0.74
On-Road Motor Vehicles - Medium Duty Trucks (MDV)	0.50	0.48
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 1 (LHDV1)	0.17	0.17
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 2 (LHDV2)	0.01	0.01
On-Road Motor Vehicles - Medium Heavy Duty Gas Trucks (MHDV)	0.03	0.04
On-Road Motor Vehicles - Heavy Heavy Duty Gas Trucks (HHDV)	0.01	0.01

Chico (Butte County) - 2012 Average Summer Daily Emissions (tons/day)

Mobile Sources (Continued)	NOX	VOC
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 1 (LHDV1)	1.00	0.04
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 2 (LHDV2)	0.14	0.01
On-Road Motor Vehicles - Medium Heavy Duty Diesel Trucks (MHDV)	0.64	0.06
On-Road Motor Vehicles - Heavy Heavy Duty Diesel Trucks (HHDV)	3.06	0.24
On-Road Motor Vehicles - Motorcycles (MCY)	0.03	0.22
On-Road Motor Vehicles - Heavy Duty Diesel Urban Buses (UB)	0.05	0.00
On-Road Motor Vehicles - Heavy Duty Gas Urban Buses (UB)	0.01	0.00
On-Road Motor Vehicles - School Buses - Gas (SBG)	0.00	0.00
On-Road Motor Vehicles - School Buses - Diesel (SBD)	0.05	0.00
On-Road Motor Vehicles - Other Buses - Gas (OBG)	0.02	0.01
On-Road Motor Vehicles - Other Buses - Motor Coach - Diesel (OBC)	0.03	0.00
On-Road Motor Vehicles - All Other Buses - Diesel (OBD)	0.03	0.00
On-Road Motor Vehicles - Motor Homes (MH)	0.03	0.01
Other Mobile Sources - Aircraft	0.28	0.62
Other Mobile Sources - Trains	1.72	0.10
Other Mobile Sources - Recreational Boats	0.14	1.00
Other Mobile Sources - Off-Road Recreational Vehicles	0.01	0.36
Other Mobile Sources - Off-Road Equipment	1.33	0.99
Other Mobile Sources - Farm Equipment	4.31	0.77
Other Mobile Sources - Fuel Storage And Handling	0.00	0.16
Mobile Total	14.85	7.32
Grand Total for Chico (Butte County)	17.54	14.21

Imperial County - 2012 Average Summer Daily Emissions (tons/day)

Stationary Sources	NOX	VOC
Fuel Combustion - Electric Utilities	0.50	0.05
Fuel Combustion - Cogeneration	0.04	0.00
Fuel Combustion - Manufacturing And Industrial	0.53	0.02
Fuel Combustion - Food And Agricultural Processing	0.25	0.02
Fuel Combustion - Service And Commercial	0.34	0.01
Fuel Combustion - Other (Fuel Combustion)	0.00	0.01
Cleaning And Surface Coatings - Laundering	0.00	0.01
Cleaning And Surface Coatings - Degreasing	0.00	0.25
Cleaning And Surface Coatings - Coatings And Related Process Solvents	0.00	0.17
Cleaning And Surface Coatings - Adhesives And Sealants	0.00	0.07
Petroleum Production And Marketing - Petroleum Refining	0.00	0.00
Petroleum Production And Marketing - Petroleum Marketing	0.00	0.75
Petroleum Production And Marketing - Other (Petroleum Production And Marketing)	0.00	0.01
Industrial Processes - Food And Agriculture	0.02	0.00
Industrial Processes - Mineral Processes	0.01	0.00
Industrial Processes - Other (Industrial Processes)	0.00	0.00
Stationary Total	1.69	1.39
Area-Wide Sources	NOX	VOC
Solvent Evaporation - Consumer Products	0.00	1.07
Solvent Evaporation - Architectural Coatings And Related Process Solvents	0.00	0.43
Solvent Evaporation - Pesticides/Fertilizers	0.00	3.11
Solvent Evaporation - Asphalt Paving / Roofing	0.00	2.10
Miscellaneous Processes - Residential Fuel Combustion	0.07	0.01
Miscellaneous Processes - Farming Operations	0.00	5.49
Miscellaneous Processes - Fires	0.00	0.00
Miscellaneous Processes - Managed Burning And Disposal	0.60	1.11
Miscellaneous Processes - Cooking	0.00	0.02
Area-Wide Total	0.66	13.34
Mobile Sources	NOX	VOC
On-Road Motor Vehicles - Light Duty Passenger (LDA)	1.19	1.49
On-Road Motor Vehicles - Light Duty Trucks - 1 (LDT1)	0.25	0.60
On-Road Motor Vehicles - Light Duty Trucks - 2 (LDT2)	0.55	0.75
On-Road Motor Vehicles - Medium Duty Trucks (MDV)	0.76	0.69
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 1 (LHDV1)	0.16	0.16
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 2 (LHDV2)	0.02	0.02
On-Road Motor Vehicles - Medium Heavy Duty Gas Trucks (MHDV)	0.09	0.08
On-Road Motor Vehicles - Heavy Heavy Duty Gas Trucks (HHDV)	0.03	0.02
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 1 (LHDV1)	0.69	0.02
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 2 (LHDV2)	0.14	0.00
On-Road Motor Vehicles - Medium Heavy Duty Diesel Trucks (MHDV)	0.59	0.04
On-Road Motor Vehicles - Heavy Heavy Duty Diesel Trucks (HHDV)	5.92	0.38
On-Road Motor Vehicles - Motorcycles (MCY)	0.03	0.18
On-Road Motor Vehicles - Heavy Duty Diesel Urban Buses (UB)	0.07	0.00
On-Road Motor Vehicles - Heavy Duty Gas Urban Buses (UB)	0.00	0.00
On-Road Motor Vehicles - School Buses - Gas (SBG)	0.01	0.01

Imperial County - 2012 Average Summer Daily Emissions (tons/day)

Mobile Sources (Continued)	NOX	VOC
On-Road Motor Vehicles - School Buses - Diesel (SBD)	0.03	0.00
On-Road Motor Vehicles - Other Buses - Gas (OBG)	0.02	0.02
On-Road Motor Vehicles - Other Buses - Motor Coach - Diesel (OBC)	0.05	0.00
On-Road Motor Vehicles - All Other Buses - Diesel (OBD)	0.07	0.00
On-Road Motor Vehicles - Motor Homes (MH)	0.02	0.01
Other Mobile Sources - Aircraft	1.52	2.21
Other Mobile Sources - Trains	3.42	0.35
Other Mobile Sources - Commercial Harbor Craft	0.02	0.00
Other Mobile Sources - Recreational Boats	0.17	1.10
Other Mobile Sources - Off-Road Recreational Vehicles	0.02	0.58
Other Mobile Sources - Off-Road Equipment	0.94	0.52
Other Mobile Sources - Farm Equipment	2.61	0.47
Other Mobile Sources - Fuel Storage And Handling	0.00	0.13
Mobile Total	19.40	9.82
Grand Total for Imperial County	21.75	24.55

Kern County (Eastern Kern) - 2012 Average Summer Daily Emissions (tons/day)

Stationary Sources		NOX	VOC
Fuel Combustion - Cogeneration		0.43	0.03
Fuel Combustion - Manufacturing And Industrial		0.89	0.01
Fuel Combustion - Food And Agricultural Processing		0.02	0.00
Fuel Combustion - Service And Commercial		0.49	0.06
Fuel Combustion - Other (Fuel Combustion)		0.49	0.03
Waste Disposal - Landfills		0.00	0.04
Waste Disposal - Other (Waste Disposal)		0.00	0.00
Cleaning And Surface Coatings - Laundering		0.00	0.00
Cleaning And Surface Coatings - Degreasing		0.00	0.40
Cleaning And Surface Coatings - Coatings And Related Process Solvents		0.00	0.14
Cleaning And Surface Coatings - Adhesives And Sealants		0.00	0.04
Cleaning And Surface Coatings - Other (Cleaning And Surface Coatings)		0.00	0.01
Petroleum Production And Marketing - Petroleum Marketing		0.00	0.15
Petroleum Production And Marketing - Other (Petroleum Production And Marketing)		0.00	0.00
Industrial Processes - Chemical		0.00	0.00
Industrial Processes - Food And Agriculture		0.00	0.00
Industrial Processes - Mineral Processes		14.45	0.09
Industrial Processes - Metal Processes		0.01	0.00
Industrial Processes - Other (Industrial Processes)		0.00	0.00
Stationary Total		16.78	1.00
Area-Wide Sources		NOX	VOC
Solvent Evaporation - Consumer Products		0.00	0.61
Solvent Evaporation - Architectural Coatings And Related Process Solvents		0.00	0.24
Solvent Evaporation - Pesticides/Fertilizers		0.00	0.11
Solvent Evaporation - Asphalt Paving / Roofing		0.00	0.05
Miscellaneous Processes - Residential Fuel Combustion		0.12	0.02
Miscellaneous Processes - Farming Operations		0.00	0.09
Miscellaneous Processes - Fires		0.00	0.00
Miscellaneous Processes - Managed Burning And Disposal		0.00	0.01
Miscellaneous Processes - Cooking		0.00	0.01
Area-Wide Total		0.12	1.14
Mobile Sources		NOX	VOC
On-Road Motor Vehicles - Light Duty Passenger (LDA)		0.38	0.63
On-Road Motor Vehicles - Light Duty Trucks - 1 (LDT1)		0.09	0.19
On-Road Motor Vehicles - Light Duty Trucks - 2 (LDT2)		0.38	0.45
On-Road Motor Vehicles - Medium Duty Trucks (MDV)		0.32	0.28
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 1 (LHDV1)		0.14	0.14
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 2 (LHDV2)		0.01	0.01
On-Road Motor Vehicles - Medium Heavy Duty Gas Trucks (MHDV)		0.03	0.02
On-Road Motor Vehicles - Heavy Heavy Duty Gas Trucks (HHDV)		0.01	0.01
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 1 (LHDV1)		0.65	0.03
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 2 (LHDV2)		0.15	0.01
On-Road Motor Vehicles - Medium Heavy Duty Diesel Trucks (MHDV)		0.28	0.02
On-Road Motor Vehicles - Heavy Heavy Duty Diesel Trucks (HHDV)		4.84	0.37
On-Road Motor Vehicles - Motorcycles (MCY)		0.06	0.26

Kern County (Eastern Kern) - 2012 Average Summer Daily Emissions (tons/day)

Mobile Sources (Continued)	NOX	VOC
On-Road Motor Vehicles - Heavy Duty Diesel Urban Buses (UB)	0.05	0.00
On-Road Motor Vehicles - Heavy Duty Gas Urban Buses (UB)	0.00	0.00
On-Road Motor Vehicles - School Buses - Gas (SBG)	0.00	0.00
On-Road Motor Vehicles - School Buses - Diesel (SBD)	0.04	0.00
On-Road Motor Vehicles - Other Buses - Gas (OBG)	0.01	0.01
On-Road Motor Vehicles - Other Buses - Motor Coach - Diesel (OBC)	0.03	0.00
On-Road Motor Vehicles - All Other Buses - Diesel (OBD)	0.04	0.00
On-Road Motor Vehicles - Motor Homes (MH)	0.03	0.01
Other Mobile Sources - Aircraft	1.44	2.75
Other Mobile Sources - Trains	3.11	0.32
Other Mobile Sources - Recreational Boats	0.05	0.30
Other Mobile Sources - Off-Road Recreational Vehicles	0.00	0.06
Other Mobile Sources - Off-Road Equipment	0.52	0.34
Other Mobile Sources - Farm Equipment	0.97	0.18
Other Mobile Sources - Fuel Storage And Handling	0.00	0.07
Mobile Total	13.64	6.43
Grand Total for Kern County (Eastern Kern)	30.54	8.57

Los Angeles-San Bernardino Counties (Western Mojave Desert) - 2012 Average Summer Daily Emissions (tons/day)

Stationary Sources	NOX	VOC
Fuel Combustion - Electric Utilities	1.85	0.08
Fuel Combustion - Manufacturing And Industrial	4.14	0.24
Fuel Combustion - Food And Agricultural Processing	0.12	0.01
Fuel Combustion - Service And Commercial	1.43	0.19
Fuel Combustion - Other (Fuel Combustion)	0.64	0.06
Waste Disposal - Sewage Treatment	0.00	0.09
Waste Disposal - Landfills	0.02	0.16
Waste Disposal - Incinerators	0.06	0.00
Waste Disposal - Soil Remediation	0.00	0.00
Waste Disposal - Other (Waste Disposal)	0.00	0.05
Cleaning And Surface Coatings - Laundering	0.00	0.00
Cleaning And Surface Coatings - Degreasing	0.00	3.41
Cleaning And Surface Coatings - Coatings And Related Process Solvents	0.00	1.65
Cleaning And Surface Coatings - Printing	0.00	0.03
Cleaning And Surface Coatings - Adhesives And Sealants	0.00	0.05
Cleaning And Surface Coatings - Other (Cleaning And Surface Coatings)	0.00	0.01
Petroleum Production And Marketing - Oil And Gas Production	0.00	0.00
Petroleum Production And Marketing - Petroleum Refining	0.00	0.00
Petroleum Production And Marketing - Petroleum Marketing	0.00	6.26
Petroleum Production And Marketing - Other (Petroleum Production And Marketing)	0.00	0.00
Industrial Processes - Chemical	0.01	0.28
Industrial Processes - Food And Agriculture	0.00	0.01
Industrial Processes - Mineral Processes	23.71	0.95
Industrial Processes - Metal Processes	0.48	0.00
Industrial Processes - Electronics	0.00	0.01
Industrial Processes - Other (Industrial Processes)	1.60	0.18
Stationary Total	34.05	13.74
Area-Wide Sources	NOX	VOC
Solvent Evaporation - Consumer Products	0.00	4.63
Solvent Evaporation - Architectural Coatings And Related Process Solvents	0.00	2.81
Solvent Evaporation - Pesticides/Fertilizers	0.00	0.11
Solvent Evaporation - Asphalt Paving / Roofing	0.00	0.32
Miscellaneous Processes - Residential Fuel Combustion	0.67	0.12
Miscellaneous Processes - Farming Operations	0.00	2.07
Miscellaneous Processes - Fires	0.01	0.02
Miscellaneous Processes - Managed Burning And Disposal	0.28	0.73
Miscellaneous Processes - Cooking	0.00	0.71
Area-Wide Total	0.96	11.51
Mobile Sources	NOX	VOC
On-Road Motor Vehicles - Light Duty Passenger (LDA)	3.72	5.99
On-Road Motor Vehicles - Light Duty Trucks - 1 (LDT1)	1.07	1.95
On-Road Motor Vehicles - Light Duty Trucks - 2 (LDT2)	2.53	2.66
On-Road Motor Vehicles - Medium Duty Trucks (MDV)	2.85	2.29
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 1 (LHDV1)	0.86	0.76
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 2 (LHDV2)	0.09	0.07

Los Angeles-San Bernardino Counties (Western Mojave Desert) - 2012 Average Summer Daily Emissions (tons/day)

Mobile Sources (Continued)	NOX	VOC
On-Road Motor Vehicles - Medium Heavy Duty Gas Trucks (MHDV)	0.21	0.13
On-Road Motor Vehicles - Heavy Heavy Duty Gas Trucks (HHDV)	0.08	0.04
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 1 (LHDV1)	3.83	0.10
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 2 (LHDV2)	1.01	0.03
On-Road Motor Vehicles - Medium Heavy Duty Diesel Trucks (MHDV)	1.77	0.11
On-Road Motor Vehicles - Heavy Heavy Duty Diesel Trucks (HHDV)	20.16	1.36
On-Road Motor Vehicles - Motorcycles (MCY)	0.43	1.71
On-Road Motor Vehicles - Heavy Duty Diesel Urban Buses (UB)	0.98	0.06
On-Road Motor Vehicles - Heavy Duty Gas Urban Buses (UB)	0.09	0.06
On-Road Motor Vehicles - School Buses - Gas (SBG)	0.00	0.00
On-Road Motor Vehicles - School Buses - Diesel (SBD)	0.09	0.01
On-Road Motor Vehicles - Other Buses - Gas (OBG)	0.02	0.01
On-Road Motor Vehicles - Other Buses - Motor Coach - Diesel (OBC)	0.04	0.00
On-Road Motor Vehicles - All Other Buses - Diesel (OBD)	0.06	0.00
On-Road Motor Vehicles - Motor Homes (MH)	0.17	0.05
Other Mobile Sources - Aircraft	1.12	1.39
Other Mobile Sources - Trains	15.73	1.59
Other Mobile Sources - Recreational Boats	0.07	0.45
Other Mobile Sources - Off-Road Recreational Vehicles	0.03	0.99
Other Mobile Sources - Off-Road Equipment	2.23	1.89
Other Mobile Sources - Farm Equipment	0.14	0.04
Other Mobile Sources - Fuel Storage And Handling	0.00	0.53
Mobile Total	59.39	24.24
Grand Total for Los Angeles-San Bernardino Counties (Western Mojave Desert)	94.40	49.49

Los Angeles-South Coast Air Basin - 2012 Average Summer Daily Emissions (tons/day)

Stationary Sources	NOX	VOC
Fuel Combustion - Electric Utilities	2.64	1.07
Fuel Combustion - Cogeneration	0.56	0.09
Fuel Combustion - Oil And Gas Production (Combustion)	1.46	0.10
Fuel Combustion - Petroleum Refining (Combustion)	8.35	1.01
Fuel Combustion - Manufacturing And Industrial	16.43	5.14
Fuel Combustion - Food And Agricultural Processing	0.26	0.03
Fuel Combustion - Service And Commercial	11.49	0.93
Fuel Combustion - Other (Fuel Combustion)	5.91	0.63
Waste Disposal - Sewage Treatment	0.01	0.34
Waste Disposal - Landfills	0.59	3.99
Waste Disposal - Incinerators	1.55	0.07
Waste Disposal - Soil Remediation	0.00	0.00
Waste Disposal - Other (Waste Disposal)	0.00	2.84
Cleaning And Surface Coatings - Laundering	0.00	0.13
Cleaning And Surface Coatings - Degreasing	0.00	10.21
Cleaning And Surface Coatings - Coatings And Related Process Solvents	0.02	18.84
Cleaning And Surface Coatings - Printing	0.00	1.81
Cleaning And Surface Coatings - Adhesives And Sealants	0.00	3.50
Cleaning And Surface Coatings - Other (Cleaning And Surface Coatings)	0.08	0.64
Petroleum Production And Marketing - Oil And Gas Production	0.01	1.04
Petroleum Production And Marketing - Petroleum Refining	1.31	4.57
Petroleum Production And Marketing - Petroleum Marketing	0.01	34.32
Petroleum Production And Marketing - Other (Petroleum Production And Marketing)	0.00	0.08
Industrial Processes - Chemical	0.01	5.09
Industrial Processes - Food And Agriculture	0.00	1.14
Industrial Processes - Mineral Processes	0.33	0.65
Industrial Processes - Metal Processes	0.04	0.12
Industrial Processes - Wood And Paper	0.00	0.24
Industrial Processes - Glass And Related Products	0.00	0.00
Industrial Processes - Electronics	0.00	0.02
Industrial Processes - Other (Industrial Processes)	0.02	3.05
Stationary Total	51.06	101.68
Area-Wide Sources	NOX	VOC
Solvent Evaporation - Consumer Products	0.00	89.95
Solvent Evaporation - Architectural Coatings And Related Process Solvents	0.00	21.50
Solvent Evaporation - Pesticides/Fertilizers	0.00	1.47
Solvent Evaporation - Asphalt Paving / Roofing	0.00	0.88
Miscellaneous Processes - Residential Fuel Combustion	14.22	2.30
Miscellaneous Processes - Farming Operations	0.00	2.69
Miscellaneous Processes - Fires	0.08	0.24
Miscellaneous Processes - Managed Burning And Disposal	0.02	0.36
Miscellaneous Processes - Cooking	0.00	1.71
Miscellaneous Processes - Other (Miscellaneous Processes)	0.00	0.00
Area-Wide Total	14.31	121.09

Los Angeles-South Coast Air Basin - 2012 Average Summer Daily Emissions (tons/day)

Mobile Sources	NOX	VOC
On-Road Motor Vehicles - Light Duty Passenger (LDA)	39.16	62.21
On-Road Motor Vehicles - Light Duty Trucks - 1 (LDT1)	9.53	16.67
On-Road Motor Vehicles - Light Duty Trucks - 2 (LDT2)	24.73	23.96
On-Road Motor Vehicles - Medium Duty Trucks (MDV)	25.20	20.01
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 1 (LHDV1)	8.47	6.60
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 2 (LHDV2)	1.34	0.95
On-Road Motor Vehicles - Medium Heavy Duty Gas Trucks (MHDV)	2.89	1.77
On-Road Motor Vehicles - Heavy Heavy Duty Gas Trucks (HHDV)	0.61	0.37
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 1 (LHDV1)	18.04	0.46
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 2 (LHDV2)	5.67	0.15
On-Road Motor Vehicles - Medium Heavy Duty Diesel Trucks (MHDV)	44.34	2.76
On-Road Motor Vehicles - Heavy Heavy Duty Diesel Trucks (HHDV)	108.74	7.73
On-Road Motor Vehicles - Motorcycles (MCY)	1.78	9.04
On-Road Motor Vehicles - Heavy Duty Diesel Urban Buses (UB)	18.73	1.04
On-Road Motor Vehicles - Heavy Duty Gas Urban Buses (UB)	0.69	0.54
On-Road Motor Vehicles - School Buses - Gas (SBG)	0.09	0.07
On-Road Motor Vehicles - School Buses - Diesel (SBD)	2.16	0.18
On-Road Motor Vehicles - Other Buses - Gas (OBG)	0.86	0.42
On-Road Motor Vehicles - Other Buses - Motor Coach - Diesel (OBC)	2.71	0.13
On-Road Motor Vehicles - All Other Buses - Diesel (OBD)	3.48	0.23
On-Road Motor Vehicles - Motor Homes (MH)	1.10	0.29
Other Mobile Sources - Aircraft	13.51	3.27
Other Mobile Sources - Trains	20.21	1.74
Other Mobile Sources - Ocean Going Vessels	12.67	0.77
Other Mobile Sources - Commercial Harbor Craft	6.04	0.47
Other Mobile Sources - Recreational Boats	7.95	48.14
Other Mobile Sources - Off-Road Recreational Vehicles	0.05	3.97
Other Mobile Sources - Off-Road Equipment	70.03	59.57
Other Mobile Sources - Farm Equipment	3.16	0.88
Other Mobile Sources - Fuel Storage And Handling	0.00	11.42
Mobile Total	453.91	285.77
Grand Total for Los Angeles-South Coast Air Basin	519.28	508.54

Mariposa County - 2012 Average Summer Daily Emissions (tons/day)

Stationary Sources		NOX	VOC
Fuel Combustion - Food And Agricultural Processing		0.00	0.00
Fuel Combustion - Other (Fuel Combustion)		0.01	0.00
Cleaning And Surface Coatings - Laundering		0.00	0.00
Cleaning And Surface Coatings - Degreasing		0.00	0.01
Cleaning And Surface Coatings - Coatings And Related Process Solvents		0.00	0.01
Cleaning And Surface Coatings - Adhesives And Sealants		0.00	0.01
Petroleum Production And Marketing - Petroleum Marketing		0.00	0.04
Industrial Processes - Food And Agriculture		0.00	0.00
Industrial Processes - Mineral Processes		0.01	0.00
Stationary Total		0.02	0.08
Area-Wide Sources		NOX	VOC
Solvent Evaporation - Consumer Products		0.00	0.10
Solvent Evaporation - Architectural Coatings And Related Process Solvents		0.00	0.07
Solvent Evaporation - Pesticides/Fertilizers		0.00	0.00
Solvent Evaporation - Asphalt Paving / Roofing		0.00	0.57
Miscellaneous Processes - Residential Fuel Combustion		0.01	0.03
Miscellaneous Processes - Farming Operations		0.00	0.36
Miscellaneous Processes - Fires		0.00	0.00
Miscellaneous Processes - Managed Burning And Disposal		0.03	0.75
Miscellaneous Processes - Cooking		0.00	0.00
Area-Wide Total		0.04	1.88
Mobile Sources		NOX	VOC
On-Road Motor Vehicles - Light Duty Passenger (LDA)		0.07	0.12
On-Road Motor Vehicles - Light Duty Trucks - 1 (LDT1)		0.06	0.11
On-Road Motor Vehicles - Light Duty Trucks - 2 (LDT2)		0.08	0.10
On-Road Motor Vehicles - Medium Duty Trucks (MDV)		0.10	0.09
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 1 (LHDV1)		0.05	0.06
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 2 (LHDV2)		0.00	0.00
On-Road Motor Vehicles - Medium Heavy Duty Gas Trucks (MHDV)		0.01	0.01
On-Road Motor Vehicles - Heavy Heavy Duty Gas Trucks (HHDV)		0.00	0.00
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 1 (LHDV1)		0.18	0.01
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 2 (LHDV2)		0.04	0.00
On-Road Motor Vehicles - Medium Heavy Duty Diesel Trucks (MHDV)		0.04	0.00
On-Road Motor Vehicles - Heavy Heavy Duty Diesel Trucks (HHDV)		0.05	0.01
On-Road Motor Vehicles - Motorcycles (MCY)		0.01	0.03
On-Road Motor Vehicles - Heavy Duty Diesel Urban Buses (UB)		0.00	0.00
On-Road Motor Vehicles - Heavy Duty Gas Urban Buses (UB)		0.00	0.00
On-Road Motor Vehicles - School Buses - Gas (SBG)		0.00	0.00
On-Road Motor Vehicles - School Buses - Diesel (SBD)		0.01	0.00
On-Road Motor Vehicles - Other Buses - Gas (OBG)		0.00	0.00
On-Road Motor Vehicles - Other Buses - Motor Coach - Diesel (OBC)		0.00	0.00
On-Road Motor Vehicles - All Other Buses - Diesel (OBD)		0.00	0.00
On-Road Motor Vehicles - Motor Homes (MH)		0.01	0.00
Other Mobile Sources - Aircraft		0.00	0.00
Other Mobile Sources - Recreational Boats		0.20	1.17

Mariposa County - 2012 Average Summer Daily Emissions (tons/day)

Mobile Sources (Continued)	NOX	VOC
Other Mobile Sources - Off-Road Recreational Vehicles	0.01	0.12
Other Mobile Sources - Off-Road Equipment	0.06	0.06
Other Mobile Sources - Farm Equipment	0.06	0.02
Other Mobile Sources - Fuel Storage And Handling	0.00	0.01
Mobile Total	1.04	1.92
Grand Total for Mariposa County	1.10	3.88

Nevada County (Western Nevada) - 2012 Average Summer Daily Emissions (tons/day)

Stationary Sources			NOX	VOC
Fuel Combustion - Electric Utilities			0.00	0.00
Fuel Combustion - Manufacturing And Industrial			0.00	0.00
Fuel Combustion - Food And Agricultural Processing			0.02	0.00
Fuel Combustion - Service And Commercial			0.04	0.00
Fuel Combustion - Other (Fuel Combustion)			0.04	0.00
Waste Disposal - Landfills			0.00	0.00
Waste Disposal - Incinerators			0.00	0.00
Cleaning And Surface Coatings - Degreasing			0.00	0.22
Cleaning And Surface Coatings - Coatings And Related Process Solvents			0.00	0.10
Cleaning And Surface Coatings - Printing			0.00	0.09
Cleaning And Surface Coatings - Adhesives And Sealants			0.00	0.05
Cleaning And Surface Coatings - Other (Cleaning And Surface Coatings)			0.00	0.00
Petroleum Production And Marketing - Petroleum Marketing			0.00	0.20
Industrial Processes - Chemical			0.00	0.06
Industrial Processes - Food And Agriculture			0.00	0.00
Industrial Processes - Mineral Processes			0.02	0.01
Industrial Processes - Metal Processes			0.00	0.00
Stationary Total			0.12	0.73
Area-Wide Sources			NOX	VOC
Solvent Evaporation - Consumer Products			0.00	0.46
Solvent Evaporation - Architectural Coatings And Related Process Solvents			0.00	0.31
Solvent Evaporation - Pesticides/Fertilizers			0.00	0.01
Solvent Evaporation - Asphalt Paving / Roofing			0.00	0.26
Miscellaneous Processes - Residential Fuel Combustion			0.13	0.14
Miscellaneous Processes - Farming Operations			0.00	0.12
Miscellaneous Processes - Fires			0.00	0.00
Miscellaneous Processes - Managed Burning And Disposal			0.00	0.09
Miscellaneous Processes - Cooking			0.00	0.02
Area-Wide Total			0.13	1.42
Mobile Sources			NOX	VOC
On-Road Motor Vehicles - Light Duty Passenger (LDA)			0.28	0.44
On-Road Motor Vehicles - Light Duty Trucks - 1 (LDT1)			0.08	0.16
On-Road Motor Vehicles - Light Duty Trucks - 2 (LDT2)			0.41	0.43
On-Road Motor Vehicles - Medium Duty Trucks (MDV)			0.33	0.27
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 1 (LHDV1)			0.13	0.12
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 2 (LHDV2)			0.01	0.01
On-Road Motor Vehicles - Medium Heavy Duty Gas Trucks (MHDV)			0.02	0.01
On-Road Motor Vehicles - Heavy Heavy Duty Gas Trucks (HHDV)			0.00	0.00
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 1 (LHDV1)			0.76	0.03
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 2 (LHDV2)			0.12	0.01
On-Road Motor Vehicles - Medium Heavy Duty Diesel Trucks (MHDV)			0.25	0.02
On-Road Motor Vehicles - Heavy Heavy Duty Diesel Trucks (HHDV)			1.55	0.12
On-Road Motor Vehicles - Motorcycles (MCY)			0.03	0.15
On-Road Motor Vehicles - Heavy Duty Diesel Urban Buses (UB)			0.01	0.00
On-Road Motor Vehicles - Heavy Duty Gas Urban Buses (UB)			0.01	0.00

Nevada County (Western Nevada) - 2012 Average Summer Daily Emissions (tons/day)

Mobile Sources (Continued)	NOX	VOC
On-Road Motor Vehicles - Motor Homes (MH)	0.03	0.01
Other Mobile Sources - Aircraft	0.01	0.05
Other Mobile Sources - Trains	0.10	0.01
Other Mobile Sources - Recreational Boats	0.14	0.86
Other Mobile Sources - Off-Road Recreational Vehicles	0.01	0.15
Other Mobile Sources - Farm Equipment	0.14	0.03
Other Mobile Sources - Fuel Storage And Handling	0.00	0.06
Mobile Total	4.38	2.95
Grand Total for Nevada County (Western Nevada)	4.63	5.10

Riverside County (Coachella Valley) - 2012 Average Summer Daily Emissions (tons/day)

Stationary Sources		NOX	VOC
Fuel Combustion - Electric Utilities		0.25	0.07
Fuel Combustion - Cogeneration		0.19	0.00
Fuel Combustion - Manufacturing And Industrial		1.14	0.46
Fuel Combustion - Food And Agricultural Processing		0.03	0.00
Fuel Combustion - Service And Commercial		1.65	0.09
Fuel Combustion - Other (Fuel Combustion)		0.71	0.08
Waste Disposal - Sewage Treatment		0.00	0.08
Waste Disposal - Landfills		0.04	0.71
Waste Disposal - Incinerators		0.06	0.00
Waste Disposal - Soil Remediation		0.00	0.00
Waste Disposal - Other (Waste Disposal)		0.00	0.76
Cleaning And Surface Coatings - Laundering		0.00	0.02
Cleaning And Surface Coatings - Degreasing		0.00	0.69
Cleaning And Surface Coatings - Coatings And Related Process Solvents		0.00	3.89
Cleaning And Surface Coatings - Printing		0.00	0.23
Cleaning And Surface Coatings - Adhesives And Sealants		0.00	0.64
Cleaning And Surface Coatings - Other (Cleaning And Surface Coatings)		0.00	0.06
Petroleum Production And Marketing - Petroleum Refining		0.00	0.00
Petroleum Production And Marketing - Petroleum Marketing		0.00	4.07
Petroleum Production And Marketing - Other (Petroleum Production And Marketing)		0.00	0.00
Industrial Processes - Chemical		0.00	0.88
Industrial Processes - Food And Agriculture		0.00	0.19
Industrial Processes - Mineral Processes		0.02	0.03
Industrial Processes - Metal Processes		0.00	0.00
Industrial Processes - Electronics		0.00	0.00
Industrial Processes - Other (Industrial Processes)		0.01	0.25
Stationary Total		4.09	13.19
Area-Wide Sources		NOX	VOC
Solvent Evaporation - Consumer Products		0.00	11.59
Solvent Evaporation - Architectural Coatings And Related Process Solvents		0.00	2.92
Solvent Evaporation - Pesticides/Fertilizers		0.00	0.59
Solvent Evaporation - Asphalt Paving / Roofing		0.00	0.22
Miscellaneous Processes - Residential Fuel Combustion		1.64	0.44
Miscellaneous Processes - Farming Operations		0.00	1.24
Miscellaneous Processes - Fires		0.01	0.03
Miscellaneous Processes - Managed Burning And Disposal		0.00	0.01
Miscellaneous Processes - Cooking		0.00	0.18
Area-Wide Total		1.65	17.21
Mobile Sources		NOX	VOC
On-Road Motor Vehicles - Light Duty Passenger (LDA)		4.39	7.44
On-Road Motor Vehicles - Light Duty Trucks - 1 (LDT1)		1.23	2.40
On-Road Motor Vehicles - Light Duty Trucks - 2 (LDT2)		2.75	2.88
On-Road Motor Vehicles - Medium Duty Trucks (MDV)		3.71	3.00
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 1 (LHDV1)		1.11	0.85
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 2 (LHDV2)		0.15	0.10

Riverside County (Coachella Valley) - 2012 Average Summer Daily Emissions (tons/day)

Mobile Sources (Continued)	NOX	VOC
On-Road Motor Vehicles - Medium Heavy Duty Gas Trucks (MHDV)	0.27	0.17
On-Road Motor Vehicles - Heavy Heavy Duty Gas Trucks (HHDV)	0.07	0.04
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 1 (LHDV1)	4.81	0.11
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 2 (LHDV2)	1.40	0.03
On-Road Motor Vehicles - Medium Heavy Duty Diesel Trucks (MHDV)	5.70	0.33
On-Road Motor Vehicles - Heavy Heavy Duty Diesel Trucks (HHDV)	26.00	1.66
On-Road Motor Vehicles - Motorcycles (MCY)	0.30	1.42
On-Road Motor Vehicles - Heavy Duty Diesel Urban Buses (UB)	0.75	0.04
On-Road Motor Vehicles - Heavy Duty Gas Urban Buses (UB)	0.10	0.06
On-Road Motor Vehicles - School Buses - Gas (SBG)	0.01	0.01
On-Road Motor Vehicles - School Buses - Diesel (SBD)	0.42	0.03
On-Road Motor Vehicles - Other Buses - Gas (OBG)	0.09	0.04
On-Road Motor Vehicles - Other Buses - Motor Coach - Diesel (OBC)	0.18	0.01
On-Road Motor Vehicles - All Other Buses - Diesel (OBD)	0.23	0.01
On-Road Motor Vehicles - Motor Homes (MH)	0.24	0.04
Other Mobile Sources - Aircraft	0.31	0.19
Other Mobile Sources - Trains	4.17	0.39
Other Mobile Sources - Recreational Boats	0.73	4.87
Other Mobile Sources - Off-Road Recreational Vehicles	0.03	1.59
Other Mobile Sources - Off-Road Equipment	10.53	7.97
Other Mobile Sources - Farm Equipment	2.31	0.58
Other Mobile Sources - Fuel Storage And Handling	0.00	1.50
Mobile Total	71.99	37.76
Grand Total for Riverside County (Coachella Valley)	77.73	68.15

Sacramento Metropolitan Area - 2012 Average Summer Daily Emissions (tons/day)

Stationary Sources		NOX	VOC
Fuel Combustion - Electric Utilities		0.93	0.18
Fuel Combustion - Cogeneration		0.00	0.00
Fuel Combustion - Oil And Gas Production (Combustion)		0.16	0.06
Fuel Combustion - Manufacturing And Industrial		1.03	0.12
Fuel Combustion - Food And Agricultural Processing		0.96	0.13
Fuel Combustion - Service And Commercial		1.48	0.24
Fuel Combustion - Other (Fuel Combustion)		0.83	0.11
Waste Disposal - Sewage Treatment		0.00	0.03
Waste Disposal - Landfills		0.04	0.78
Waste Disposal - Incinerators		0.02	0.00
Waste Disposal - Soil Remediation		0.00	0.01
Waste Disposal - Other (Waste Disposal)		0.00	2.10
Cleaning And Surface Coatings - Laundering		0.00	0.07
Cleaning And Surface Coatings - Degreasing		0.00	1.57
Cleaning And Surface Coatings - Coatings And Related Process Solvents		0.01	2.57
Cleaning And Surface Coatings - Printing		0.00	1.10
Cleaning And Surface Coatings - Adhesives And Sealants		0.00	0.68
Cleaning And Surface Coatings - Other (Cleaning And Surface Coatings)		0.00	0.16
Petroleum Production And Marketing - Oil And Gas Production		0.00	0.59
Petroleum Production And Marketing - Petroleum Marketing		0.01	4.32
Petroleum Production And Marketing - Other (Petroleum Production And Marketing)		0.00	0.01
Industrial Processes - Chemical		0.04	1.47
Industrial Processes - Food And Agriculture		0.01	0.42
Industrial Processes - Mineral Processes		0.32	0.15
Industrial Processes - Metal Processes		0.01	0.00
Industrial Processes - Wood And Paper		0.04	0.70
Industrial Processes - Electronics		0.00	0.00
Industrial Processes - Other (Industrial Processes)		0.01	0.22
Stationary Total		5.90	17.78
Area-Wide Sources		NOX	VOC
Solvent Evaporation - Consumer Products		0.00	11.69
Solvent Evaporation - Architectural Coatings And Related Process Solvents		0.00	7.27
Solvent Evaporation - Pesticides/Fertilizers		0.00	0.75
Solvent Evaporation - Asphalt Paving / Roofing		0.00	0.91
Miscellaneous Processes - Residential Fuel Combustion		2.17	1.86
Miscellaneous Processes - Farming Operations		0.00	2.62
Miscellaneous Processes - Fires		0.01	0.04
Miscellaneous Processes - Managed Burning And Disposal		0.18	0.53
Miscellaneous Processes - Cooking		0.00	0.15
Area-Wide Total		2.36	25.81
Mobile Sources		NOX	VOC
On-Road Motor Vehicles - Light Duty Passenger (LDA)		5.68	10.45
On-Road Motor Vehicles - Light Duty Trucks - 1 (LDT1)		1.45	3.30
On-Road Motor Vehicles - Light Duty Trucks - 2 (LDT2)		3.69	4.35
On-Road Motor Vehicles - Medium Duty Trucks (MDV)		4.11	3.81

Sacramento Metropolitan Area - 2012 Average Summer Daily Emissions (tons/day)

Mobile Sources (Continued)	NOX	VOC
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 1 (LHDV1)	1.61	1.38
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 2 (LHDV2)	0.18	0.14
On-Road Motor Vehicles - Medium Heavy Duty Gas Trucks (MHDV)	0.48	0.44
On-Road Motor Vehicles - Heavy Heavy Duty Gas Trucks (HHDV)	0.16	0.16
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 1 (LHDV1)	6.38	0.26
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 2 (LHDV2)	1.37	0.06
On-Road Motor Vehicles - Medium Heavy Duty Diesel Trucks (MHDV)	6.39	0.53
On-Road Motor Vehicles - Heavy Heavy Duty Diesel Trucks (HHDV)	16.33	1.24
On-Road Motor Vehicles - Motorcycles (MCY)	0.46	2.44
On-Road Motor Vehicles - Heavy Duty Diesel Urban Buses (UB)	1.89	0.11
On-Road Motor Vehicles - Heavy Duty Gas Urban Buses (UB)	0.10	0.06
On-Road Motor Vehicles - School Buses - Gas (SBG)	0.03	0.03
On-Road Motor Vehicles - School Buses - Diesel (SBD)	0.30	0.02
On-Road Motor Vehicles - Other Buses - Gas (OBG)	0.16	0.08
On-Road Motor Vehicles - Other Buses - Motor Coach - Diesel (OBC)	0.38	0.02
On-Road Motor Vehicles - All Other Buses - Diesel (OBD)	0.51	0.04
On-Road Motor Vehicles - Motor Homes (MH)	0.25	0.06
Other Mobile Sources - Aircraft	1.62	0.44
Other Mobile Sources - Trains	5.47	0.33
Other Mobile Sources - Ocean Going Vessels	0.02	0.00
Other Mobile Sources - Commercial Harbor Craft	0.53	0.04
Other Mobile Sources - Recreational Boats	2.03	12.90
Other Mobile Sources - Off-Road Recreational Vehicles	0.04	1.44
Other Mobile Sources - Off-Road Equipment	8.93	7.38
Other Mobile Sources - Farm Equipment	5.33	1.11
Other Mobile Sources - Fuel Storage And Handling	0.00	1.56
Mobile Total	75.84	54.20
Grand Total for Sacramento Metropolitan Area	84.10	97.79

San Diego County - 2012 Average Summer Daily Emissions (tons/day)

Stationary Sources	NOX	VOC
Fuel Combustion - Electric Utilities	0.52	0.07
Fuel Combustion - Cogeneration	0.22	0.04
Fuel Combustion - Manufacturing And Industrial	0.91	0.08
Fuel Combustion - Food And Agricultural Processing	0.32	0.03
Fuel Combustion - Service And Commercial	1.07	0.23
Fuel Combustion - Other (Fuel Combustion)	1.43	0.17
Waste Disposal - Sewage Treatment	0.07	0.03
Waste Disposal - Landfills	0.23	2.07
Waste Disposal - Incinerators	0.00	0.00
Waste Disposal - Other (Waste Disposal)	0.00	0.25
Cleaning And Surface Coatings - Laundering	0.00	0.10
Cleaning And Surface Coatings - Degreasing	0.00	1.49
Cleaning And Surface Coatings - Coatings And Related Process Solvents	0.00	6.86
Cleaning And Surface Coatings - Printing	0.00	4.33
Cleaning And Surface Coatings - Adhesives And Sealants	0.00	2.44
Cleaning And Surface Coatings - Other (Cleaning And Surface Coatings)	0.00	0.09
Petroleum Production And Marketing - Petroleum Marketing	0.01	8.81
Petroleum Production And Marketing - Other (Petroleum Production And Marketing)	0.00	0.00
Industrial Processes - Chemical	0.00	1.52
Industrial Processes - Food And Agriculture	0.00	0.05
Industrial Processes - Mineral Processes	0.16	0.19
Industrial Processes - Metal Processes	0.01	0.01
Industrial Processes - Other (Industrial Processes)	0.03	0.54
Stationary Total	4.96	29.41
Area-Wide Sources	NOX	VOC
Solvent Evaporation - Consumer Products	0.00	18.47
Solvent Evaporation - Architectural Coatings And Related Process Solvents	0.00	11.67
Solvent Evaporation - Pesticides/Fertilizers	0.00	0.67
Solvent Evaporation - Asphalt Paving / Roofing	0.00	1.83
Miscellaneous Processes - Residential Fuel Combustion	1.68	0.51
Miscellaneous Processes - Farming Operations	0.00	1.27
Miscellaneous Processes - Fires	0.02	0.05
Miscellaneous Processes - Managed Burning And Disposal	0.01	0.10
Miscellaneous Processes - Cooking	0.00	2.04
Area-Wide Total	1.70	36.60
Mobile Sources	NOX	VOC
On-Road Motor Vehicles - Light Duty Passenger (LDA)	8.64	12.18
On-Road Motor Vehicles - Light Duty Trucks - 1 (LDT1)	2.06	3.58
On-Road Motor Vehicles - Light Duty Trucks - 2 (LDT2)	5.08	4.71
On-Road Motor Vehicles - Medium Duty Trucks (MDV)	4.69	3.57
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 1 (LHDV1)	1.76	1.41
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 2 (LHDV2)	0.22	0.16
On-Road Motor Vehicles - Medium Heavy Duty Gas Trucks (MHDV)	0.50	0.32
On-Road Motor Vehicles - Heavy Heavy Duty Gas Trucks (HHDV)	0.11	0.06
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 1 (LHDV1)	5.44	0.22

San Diego County - 2012 Average Summer Daily Emissions (tons/day)

Mobile Sources (Continued)	NOX	VOC
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 2 (LHDV2)	1.30	0.05
On-Road Motor Vehicles - Medium Heavy Duty Diesel Trucks (MHDV)	8.18	0.67
On-Road Motor Vehicles - Heavy Heavy Duty Diesel Trucks (HHDV)	20.07	1.49
On-Road Motor Vehicles - Motorcycles (MCY)	0.67	2.81
On-Road Motor Vehicles - Heavy Duty Diesel Urban Buses (UB)	3.49	0.21
On-Road Motor Vehicles - Heavy Duty Gas Urban Buses (UB)	0.07	0.05
On-Road Motor Vehicles - School Buses - Gas (SBG)	0.03	0.02
On-Road Motor Vehicles - School Buses - Diesel (SBD)	0.50	0.04
On-Road Motor Vehicles - Other Buses - Gas (OBG)	0.20	0.09
On-Road Motor Vehicles - Other Buses - Motor Coach - Diesel (OBC)	0.57	0.03
On-Road Motor Vehicles - All Other Buses - Diesel (OBD)	0.77	0.06
On-Road Motor Vehicles - Motor Homes (MH)	0.42	0.11
Other Mobile Sources - Aircraft	5.76	3.59
Other Mobile Sources - Trains	1.46	0.09
Other Mobile Sources - Ocean Going Vessels	0.96	0.04
Other Mobile Sources - Commercial Harbor Craft	3.66	0.27
Other Mobile Sources - Recreational Boats	2.99	17.62
Other Mobile Sources - Off-Road Recreational Vehicles	0.02	0.99
Other Mobile Sources - Off-Road Equipment	14.06	13.03
Other Mobile Sources - Farm Equipment	2.55	0.60
Other Mobile Sources - Fuel Storage And Handling	0.00	2.25
Mobile Total	96.21	70.32
Grand Total for San Diego County	102.87	136.33

San Joaquin Valley - 2012 Average Summer Daily Emissions (tons/day)

Stationary Sources	NOX	VOC
Fuel Combustion - Electric Utilities	4.53	0.22
Fuel Combustion - Cogeneration	1.68	0.49
Fuel Combustion - Oil And Gas Production (Combustion)	2.75	1.17
Fuel Combustion - Petroleum Refining (Combustion)	0.19	0.10
Fuel Combustion - Manufacturing And Industrial	5.21	0.18
Fuel Combustion - Food And Agricultural Processing	15.51	1.68
Fuel Combustion - Service And Commercial	4.23	0.55
Fuel Combustion - Other (Fuel Combustion)	1.11	0.11
Waste Disposal - Sewage Treatment	0.03	0.03
Waste Disposal - Landfills	0.17	1.52
Waste Disposal - Incinerators	0.04	0.01
Waste Disposal - Soil Remediation	0.01	0.11
Waste Disposal - Other (Waste Disposal)	0.00	21.37
Cleaning And Surface Coatings - Laundering	0.00	0.09
Cleaning And Surface Coatings - Degreasing	0.00	1.53
Cleaning And Surface Coatings - Coatings And Related Process Solvents	0.00	7.86
Cleaning And Surface Coatings - Printing	0.00	4.85
Cleaning And Surface Coatings - Adhesives And Sealants	0.00	0.56
Cleaning And Surface Coatings - Other (Cleaning And Surface Coatings)	0.00	4.31
Petroleum Production And Marketing - Oil And Gas Production	0.36	25.94
Petroleum Production And Marketing - Petroleum Refining	0.01	0.79
Petroleum Production And Marketing - Petroleum Marketing	0.04	7.72
Petroleum Production And Marketing - Other (Petroleum Production And Marketing)	0.00	0.02
Industrial Processes - Chemical	0.30	4.80
Industrial Processes - Food And Agriculture	0.00	11.19
Industrial Processes - Mineral Processes	0.22	0.25
Industrial Processes - Metal Processes	0.00	0.16
Industrial Processes - Wood And Paper	0.00	3.34
Industrial Processes - Glass And Related Products	6.04	0.02
Industrial Processes - Electronics	0.00	0.00
Industrial Processes - Other (Industrial Processes)	0.00	0.78
Stationary Total	42.44	101.73
Area-Wide Sources	NOX	VOC
Solvent Evaporation - Consumer Products	0.00	22.23
Solvent Evaporation - Architectural Coatings And Related Process Solvents	0.00	10.23
Solvent Evaporation - Pesticides/Fertilizers	0.00	15.84
Solvent Evaporation - Asphalt Paving / Roofing	0.00	0.85
Miscellaneous Processes - Residential Fuel Combustion	3.90	0.50
Miscellaneous Processes - Farming Operations	0.00	107.78
Miscellaneous Processes - Fires	0.03	0.10
Miscellaneous Processes - Managed Burning And Disposal	1.88	2.80
Miscellaneous Processes - Cooking	0.00	0.58
Area-Wide Total	5.81	160.91

San Joaquin Valley - 2012 Average Summer Daily Emissions (tons/day)

Mobile Sources	NOX	VOC
On-Road Motor Vehicles - Light Duty Passenger (LDA)	9.49	16.91
On-Road Motor Vehicles - Light Duty Trucks - 1 (LDT1)	2.81	6.00
On-Road Motor Vehicles - Light Duty Trucks - 2 (LDT2)	6.91	8.37
On-Road Motor Vehicles - Medium Duty Trucks (MDV)	9.67	8.41
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 1 (LHDV1)	2.71	2.39
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 2 (LHDV2)	0.37	0.29
On-Road Motor Vehicles - Medium Heavy Duty Gas Trucks (MHDV)	0.74	0.69
On-Road Motor Vehicles - Heavy Heavy Duty Gas Trucks (HHDV)	0.22	0.14
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 1 (LHDV1)	11.32	0.46
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 2 (LHDV2)	2.64	0.11
On-Road Motor Vehicles - Medium Heavy Duty Diesel Trucks (MHDV)	15.63	1.36
On-Road Motor Vehicles - Heavy Heavy Duty Diesel Trucks (HHDV)	107.82	8.16
On-Road Motor Vehicles - Motorcycles (MCY)	0.79	3.76
On-Road Motor Vehicles - Heavy Duty Diesel Urban Buses (UB)	3.31	0.18
On-Road Motor Vehicles - Heavy Duty Gas Urban Buses (UB)	0.22	0.12
On-Road Motor Vehicles - School Buses - Gas (SBG)	0.08	0.05
On-Road Motor Vehicles - School Buses - Diesel (SBD)	0.90	0.07
On-Road Motor Vehicles - Other Buses - Gas (OBG)	0.25	0.13
On-Road Motor Vehicles - Other Buses - Motor Coach - Diesel (OBC)	0.65	0.03
On-Road Motor Vehicles - All Other Buses - Diesel (OBD)	0.91	0.08
On-Road Motor Vehicles - Motor Homes (MH)	0.40	0.10
Other Mobile Sources - Aircraft	2.55	3.00
Other Mobile Sources - Trains	16.42	1.06
Other Mobile Sources - Ocean Going Vessels	0.36	0.02
Other Mobile Sources - Commercial Harbor Craft	0.64	0.05
Other Mobile Sources - Recreational Boats	2.19	13.74
Other Mobile Sources - Off-Road Recreational Vehicles	0.11	3.47
Other Mobile Sources - Off-Road Equipment	26.33	11.76
Other Mobile Sources - Farm Equipment	61.34	11.38
Other Mobile Sources - Fuel Storage And Handling	0.00	2.80
Mobile Total	287.77	105.07
Grand Total for San Joaquin Valley	336.01	367.71

San Luis Obispo County (Eastern San Luis Obispo) - 2012 Average Summer Daily Emissions (tons/day)

Stationary Sources		NOX	VOC
Fuel Combustion - Oil And Gas Production (Combustion)		0.07	0.00
Fuel Combustion - Food And Agricultural Processing		0.10	0.03
Fuel Combustion - Service And Commercial		0.01	0.00
Petroleum Production And Marketing - Oil And Gas Production		0.00	0.06
Stationary Total		0.17	0.10
Area-Wide Sources		NOX	VOC
Solvent Evaporation - Consumer Products		0.00	0.01
Solvent Evaporation - Architectural Coatings And Related Process Solvents		0.00	0.01
Solvent Evaporation - Pesticides/Fertilizers		0.00	0.14
Solvent Evaporation - Asphalt Paving / Roofing		0.00	0.00
Miscellaneous Processes - Residential Fuel Combustion		0.00	0.01
Miscellaneous Processes - Fires		0.00	0.00
Miscellaneous Processes - Cooking		0.00	0.00
Area-Wide Total		0.00	0.16
Mobile Sources		NOX	VOC
On-Road Motor Vehicles - Light Duty Passenger (LDA)		0.04	0.06
On-Road Motor Vehicles - Light Duty Trucks - 1 (LDT1)		0.01	0.01
On-Road Motor Vehicles - Light Duty Trucks - 2 (LDT2)		0.04	0.04
On-Road Motor Vehicles - Medium Duty Trucks (MDV)		0.04	0.02
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 1 (LHDV1)		0.01	0.01
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 2 (LHDV2)		0.00	0.00
On-Road Motor Vehicles - Medium Heavy Duty Gas Trucks (MHDV)		0.00	0.00
On-Road Motor Vehicles - Heavy Heavy Duty Gas Trucks (HHDV)		0.00	0.00
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 1 (LHDV1)		0.06	0.00
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 2 (LHDV2)		0.01	0.00
On-Road Motor Vehicles - Medium Heavy Duty Diesel Trucks (MHDV)		0.04	0.00
On-Road Motor Vehicles - Heavy Heavy Duty Diesel Trucks (HHDV)		0.08	0.01
On-Road Motor Vehicles - Motorcycles (MCY)		0.00	0.02
On-Road Motor Vehicles - Heavy Duty Diesel Urban Buses (UB)		0.01	0.00
On-Road Motor Vehicles - Heavy Duty Gas Urban Buses (UB)		0.00	0.00
On-Road Motor Vehicles - School Buses - Gas (SBG)		0.00	0.00
On-Road Motor Vehicles - School Buses - Diesel (SBD)		0.00	0.00
On-Road Motor Vehicles - Other Buses - Gas (OBG)		0.00	0.00
On-Road Motor Vehicles - Other Buses - Motor Coach - Diesel (OBC)		0.00	0.00
On-Road Motor Vehicles - All Other Buses - Diesel (OBD)		0.00	0.00
On-Road Motor Vehicles - Motor Homes (MH)		0.00	0.00
Other Mobile Sources - Off-Road Recreational Vehicles		0.00	0.00
Other Mobile Sources - Off-Road Equipment		0.10	0.02
Other Mobile Sources - Farm Equipment		0.04	0.02
Other Mobile Sources - Fuel Storage And Handling		0.00	0.01
Mobile Total		0.51	0.22
Grand Total for San Luis Obispo County (Eastern San Luis Obispo)		0.68	0.48

Ventura County - 2012 Average Summer Daily Emissions (tons/day)

Stationary Sources		NOX	VOC
Fuel Combustion - Electric Utilities		0.48	0.10
Fuel Combustion - Cogeneration		0.00	0.00
Fuel Combustion - Oil And Gas Production (Combustion)		0.06	0.02
Fuel Combustion - Petroleum Refining (Combustion)		0.00	0.00
Fuel Combustion - Manufacturing And Industrial		0.21	0.02
Fuel Combustion - Food And Agricultural Processing		0.91	0.06
Fuel Combustion - Service And Commercial		0.28	0.03
Fuel Combustion - Other (Fuel Combustion)		0.28	0.03
Waste Disposal - Sewage Treatment		0.01	0.01
Waste Disposal - Landfills		0.09	0.12
Waste Disposal - Incinerators		0.00	0.00
Waste Disposal - Other (Waste Disposal)		0.00	1.68
Cleaning And Surface Coatings - Laundering		0.00	0.04
Cleaning And Surface Coatings - Degreasing		0.00	1.78
Cleaning And Surface Coatings - Coatings And Related Process Solvents		0.00	0.85
Cleaning And Surface Coatings - Printing		0.00	0.27
Cleaning And Surface Coatings - Adhesives And Sealants		0.00	0.40
Cleaning And Surface Coatings - Other (Cleaning And Surface Coatings)		0.00	0.40
Petroleum Production And Marketing - Oil And Gas Production		0.04	1.21
Petroleum Production And Marketing - Petroleum Marketing		0.00	1.07
Industrial Processes - Chemical		0.00	0.06
Industrial Processes - Food And Agriculture		0.00	0.01
Industrial Processes - Mineral Processes		0.00	0.02
Industrial Processes - Metal Processes		0.00	0.01
Industrial Processes - Wood And Paper		0.00	0.10
Industrial Processes - Electronics		0.00	0.02
Industrial Processes - Other (Industrial Processes)		0.06	0.36
Stationary Total		2.42	8.66
Area-Wide Sources		NOX	VOC
Solvent Evaporation - Consumer Products		0.00	4.80
Solvent Evaporation - Architectural Coatings And Related Process Solvents		0.00	2.31
Solvent Evaporation - Pesticides/Fertilizers		0.00	3.35
Solvent Evaporation - Asphalt Paving / Roofing		0.00	0.58
Miscellaneous Processes - Residential Fuel Combustion		1.11	0.39
Miscellaneous Processes - Farming Operations		0.00	0.12
Miscellaneous Processes - Fires		0.01	0.01
Miscellaneous Processes - Managed Burning And Disposal		0.08	0.14
Miscellaneous Processes - Cooking		0.00	0.06
Area-Wide Total		1.20	11.76
Mobile Sources		NOX	VOC
On-Road Motor Vehicles - Light Duty Passenger (LDA)		1.91	2.99
On-Road Motor Vehicles - Light Duty Trucks - 1 (LDT1)		0.46	0.84
On-Road Motor Vehicles - Light Duty Trucks - 2 (LDT2)		1.18	1.14
On-Road Motor Vehicles - Medium Duty Trucks (MDV)		1.32	1.05
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 1 (LHDV1)		0.54	0.42

Ventura County - 2012 Average Summer Daily Emissions (tons/day)

Mobile Sources (Continued)	NOX	VOC
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 2 (LHDV2)	0.08	0.05
On-Road Motor Vehicles - Medium Heavy Duty Gas Trucks (MHDV)	0.14	0.09
On-Road Motor Vehicles - Heavy Heavy Duty Gas Trucks (HHDV)	0.02	0.01
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 1 (LHDV1)	1.77	0.04
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 2 (LHDV2)	0.46	0.01
On-Road Motor Vehicles - Medium Heavy Duty Diesel Trucks (MHDV)	2.22	0.13
On-Road Motor Vehicles - Heavy Heavy Duty Diesel Trucks (HHDV)	3.83	0.26
On-Road Motor Vehicles - Motorcycles (MCY)	0.11	0.57
On-Road Motor Vehicles - Heavy Duty Diesel Urban Buses (UB)	0.15	0.01
On-Road Motor Vehicles - Heavy Duty Gas Urban Buses (UB)	0.01	0.01
On-Road Motor Vehicles - School Buses - Gas (SBG)	0.00	0.00
On-Road Motor Vehicles - School Buses - Diesel (SBD)	0.06	0.01
On-Road Motor Vehicles - Other Buses - Gas (OBG)	0.04	0.02
On-Road Motor Vehicles - Other Buses - Motor Coach - Diesel (OBC)	0.04	0.00
On-Road Motor Vehicles - All Other Buses - Diesel (OBD)	0.05	0.00
On-Road Motor Vehicles - Motor Homes (MH)	0.12	0.03
Other Mobile Sources - Aircraft	0.20	0.38
Other Mobile Sources - Trains	1.19	0.08
Other Mobile Sources - Ocean Going Vessels	0.84	0.04
Other Mobile Sources - Commercial Harbor Craft	0.96	0.09
Other Mobile Sources - Recreational Boats	0.57	3.51
Other Mobile Sources - Off-Road Recreational Vehicles	0.01	0.39
Other Mobile Sources - Off-Road Equipment	3.81	3.09
Other Mobile Sources - Farm Equipment	2.61	0.53
Other Mobile Sources - Fuel Storage And Handling	0.00	0.59
Mobile Total	24.67	16.35
Grand Total for Ventura County	28.29	36.76

Calaveras County - 2012 Average Summer Daily Emissions (tons/day)

Stationary Sources	NOX	VOC
Fuel Combustion - Manufacturing And Industrial	0.11	0.00
Fuel Combustion - Food And Agricultural Processing	0.01	0.00
Fuel Combustion - Service And Commercial	0.00	0.00
Fuel Combustion - Other (Fuel Combustion)	0.00	0.00
Cleaning And Surface Coatings - Degreasing	0.00	0.03
Cleaning And Surface Coatings - Coatings And Related Process Solvents	0.00	0.03
Cleaning And Surface Coatings - Adhesives And Sealants	0.00	0.06
Petroleum Production And Marketing - Petroleum Marketing	0.00	0.11
Industrial Processes - Food And Agriculture	0.00	0.00
Stationary Total	0.12	0.23
Area-Wide Sources	NOX	VOC
Solvent Evaporation - Consumer Products	0.00	0.26
Solvent Evaporation - Architectural Coatings And Related Process Solvents	0.00	0.17
Solvent Evaporation - Pesticides/Fertilizers	0.00	0.01
Solvent Evaporation - Asphalt Paving / Roofing	0.00	0.55
Miscellaneous Processes - Residential Fuel Combustion	0.02	0.11
Miscellaneous Processes - Farming Operations	0.00	0.41
Miscellaneous Processes - Fires	0.00	0.00
Miscellaneous Processes - Managed Burning And Disposal	0.06	0.30
Miscellaneous Processes - Cooking	0.00	0.01
Area-Wide Total	0.09	1.82
Mobile Sources	NOX	VOC
On-Road Motor Vehicles - Light Duty Passenger (LDA)	0.16	0.25
On-Road Motor Vehicles - Light Duty Trucks - 1 (LDT1)	0.09	0.19
On-Road Motor Vehicles - Light Duty Trucks - 2 (LDT2)	0.12	0.15
On-Road Motor Vehicles - Medium Duty Trucks (MDV)	0.18	0.17
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 1 (LHDV1)	0.09	0.10
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 2 (LHDV2)	0.01	0.01
On-Road Motor Vehicles - Medium Heavy Duty Gas Trucks (MHDV)	0.01	0.01
On-Road Motor Vehicles - Heavy Heavy Duty Gas Trucks (HHDV)	0.01	0.01
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 1 (LHDV1)	0.41	0.02
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 2 (LHDV2)	0.07	0.00
On-Road Motor Vehicles - Medium Heavy Duty Diesel Trucks (MHDV)	0.15	0.01
On-Road Motor Vehicles - Heavy Heavy Duty Diesel Trucks (HHDV)	0.33	0.03
On-Road Motor Vehicles - Motorcycles (MCY)	0.01	0.07
On-Road Motor Vehicles - Heavy Duty Diesel Urban Buses (UB)	0.00	0.00
On-Road Motor Vehicles - Heavy Duty Gas Urban Buses (UB)	0.00	0.00
On-Road Motor Vehicles - School Buses - Gas (SBG)	0.00	0.00
On-Road Motor Vehicles - School Buses - Diesel (SBD)	0.02	0.00
On-Road Motor Vehicles - Other Buses - Gas (OBG)	0.01	0.00
On-Road Motor Vehicles - Other Buses - Motor Coach - Diesel (OBC)	0.01	0.00
On-Road Motor Vehicles - All Other Buses - Diesel (OBD)	0.02	0.00
On-Road Motor Vehicles - Motor Homes (MH)	0.02	0.01
Other Mobile Sources - Aircraft	0.00	0.00
Other Mobile Sources - Recreational Boats	0.35	2.07

Calaveras County - 2012 Average Summer Daily Emissions (tons/day)

Mobile Sources (Continued)	NOX	VOC
Other Mobile Sources - Off-Road Recreational Vehicles	0.00	0.12
Other Mobile Sources - Off-Road Equipment	0.27	0.22
Other Mobile Sources - Farm Equipment	0.13	0.04
Other Mobile Sources - Fuel Storage And Handling	0.00	0.04
Mobile Total	2.45	3.52
Grand Total for Calaveras County	2.66	5.56

San Francisco Bay Area - 2012 Average Summer Daily Emissions (tons/day)

Stationary Sources	NOX	VOC
Fuel Combustion - Electric Utilities	2.23	0.27
Fuel Combustion - Cogeneration	2.81	0.29
Fuel Combustion - Oil And Gas Production (Combustion)	0.03	0.00
Fuel Combustion - Petroleum Refining (Combustion)	9.56	1.73
Fuel Combustion - Manufacturing And Industrial	11.05	0.64
Fuel Combustion - Food And Agricultural Processing	0.50	0.03
Fuel Combustion - Service And Commercial	5.64	1.24
Fuel Combustion - Other (Fuel Combustion)	3.16	0.32
Waste Disposal - Sewage Treatment	0.30	0.33
Waste Disposal - Landfills	0.01	1.26
Waste Disposal - Incinerators	0.82	1.33
Waste Disposal - Soil Remediation	0.00	0.05
Waste Disposal - Other (Waste Disposal)	0.00	0.68
Cleaning And Surface Coatings - Laundering	0.00	0.48
Cleaning And Surface Coatings - Degreasing	0.00	3.83
Cleaning And Surface Coatings - Coatings And Related Process Solvents	0.02	9.17
Cleaning And Surface Coatings - Printing	0.00	3.99
Cleaning And Surface Coatings - Adhesives And Sealants	0.00	9.33
Cleaning And Surface Coatings - Other (Cleaning And Surface Coatings)	0.00	0.60
Petroleum Production And Marketing - Oil And Gas Production	0.01	0.21
Petroleum Production And Marketing - Petroleum Refining	1.28	6.41
Petroleum Production And Marketing - Petroleum Marketing	0.00	9.16
Petroleum Production And Marketing - Other (Petroleum Production And Marketing)	0.00	0.03
Industrial Processes - Chemical	0.12	2.57
Industrial Processes - Food And Agriculture	0.10	1.99
Industrial Processes - Mineral Processes	2.94	0.72
Industrial Processes - Metal Processes	0.20	0.11
Industrial Processes - Wood And Paper	0.00	0.00
Industrial Processes - Electronics	0.00	0.23
Industrial Processes - Other (Industrial Processes)	0.56	5.14
Stationary Total	41.33	62.13
Area-Wide Sources	NOX	VOC
Solvent Evaporation - Consumer Products	0.00	41.24
Solvent Evaporation - Architectural Coatings And Related Process Solvents	0.00	17.64
Solvent Evaporation - Pesticides/Fertilizers	0.00	0.86
Solvent Evaporation - Asphalt Paving / Roofing	0.00	1.01
Miscellaneous Processes - Residential Fuel Combustion	7.87	1.69
Miscellaneous Processes - Farming Operations	0.00	3.21
Miscellaneous Processes - Fires	0.08	0.20
Miscellaneous Processes - Managed Burning And Disposal	0.00	0.00
Miscellaneous Processes - Cooking	0.00	0.63
Miscellaneous Processes - Other (Miscellaneous Processes)	0.03	1.88
Area-Wide Total	7.99	68.37

San Francisco Bay Area - 2012 Average Summer Daily Emissions (tons/day)

Mobile Sources	NOX	VOC
On-Road Motor Vehicles - Light Duty Passenger (LDA)	18.98	30.89
On-Road Motor Vehicles - Light Duty Trucks - 1 (LDT1)	3.76	7.27
On-Road Motor Vehicles - Light Duty Trucks - 2 (LDT2)	10.18	10.32
On-Road Motor Vehicles - Medium Duty Trucks (MDV)	9.82	7.99
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 1 (LHDV1)	3.79	3.06
On-Road Motor Vehicles - Light Heavy Duty Gas Trucks - 2 (LHDV2)	0.49	0.38
On-Road Motor Vehicles - Medium Heavy Duty Gas Trucks (MHDV)	1.14	0.72
On-Road Motor Vehicles - Heavy Heavy Duty Gas Trucks (HHDV)	0.26	0.15
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 1 (LHDV1)	9.27	0.38
On-Road Motor Vehicles - Light Heavy Duty Diesel Trucks - 2 (LHDV2)	2.33	0.10
On-Road Motor Vehicles - Medium Heavy Duty Diesel Trucks (MHDV)	21.06	1.70
On-Road Motor Vehicles - Heavy Heavy Duty Diesel Trucks (HHDV)	49.20	3.71
On-Road Motor Vehicles - Motorcycles (MCY)	1.22	5.71
On-Road Motor Vehicles - Heavy Duty Diesel Urban Buses (UB)	14.55	0.74
On-Road Motor Vehicles - Heavy Duty Gas Urban Buses (UB)	0.24	0.24
On-Road Motor Vehicles - School Buses - Gas (SBG)	0.05	0.03
On-Road Motor Vehicles - School Buses - Diesel (SBD)	1.29	0.10
On-Road Motor Vehicles - Other Buses - Gas (OBG)	0.40	0.18
On-Road Motor Vehicles - Other Buses - Motor Coach - Diesel (OBC)	1.37	0.07
On-Road Motor Vehicles - All Other Buses - Diesel (OBD)	1.84	0.15
On-Road Motor Vehicles - Motor Homes (MH)	0.44	0.12
Other Mobile Sources - Aircraft	12.35	4.79
Other Mobile Sources - Trains	9.99	0.67
Other Mobile Sources - Ocean Going Vessels	9.38	0.50
Other Mobile Sources - Commercial Harbor Craft	15.10	1.14
Other Mobile Sources - Recreational Boats	2.61	17.11
Other Mobile Sources - Off-Road Recreational Vehicles	0.08	2.33
Other Mobile Sources - Off-Road Equipment	34.23	27.28
Other Mobile Sources - Farm Equipment	4.81	1.11
Other Mobile Sources - Fuel Storage And Handling	0.00	5.05
Mobile Total	240.20	134.00
Grand Total for San Francisco Bay Area	289.51	264.50