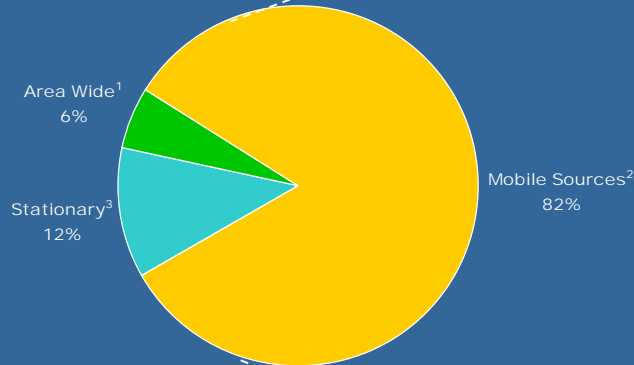




Central Coast NOx Emissions

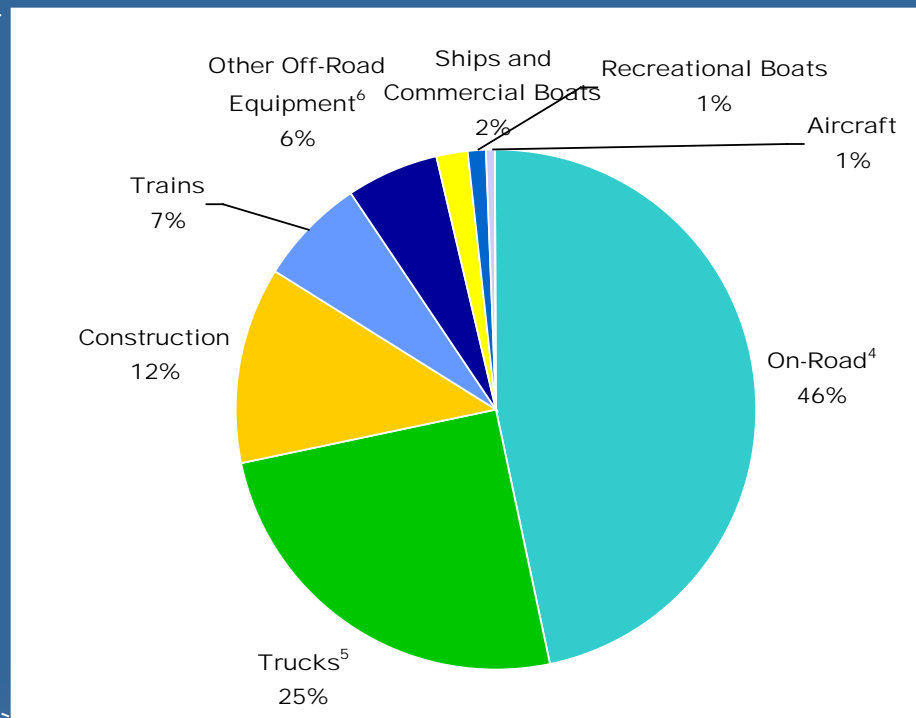
Central Coast NOx Emissions

180 Total Tons Per Day



Mobile Source NOx Emissions

150 Total Tons Per Day



Notes:

- 1) Includes all sources of dust and several burning processes
- 2) Includes vehicles, trucks, marine vessels, trains, aircraft, and other off-road equipment
- 3) Includes fuel combustion activities, waste disposal, cleaning and surface coatings, petroleum production, and industrial processes
- 4) Includes light and medium duty passenger and commercial cars and trucks, and buses
- 5) Includes Medium Heavy and Heavy Heavy Diesel trucks
- 6) Includes industrial equipment such as forklifts and cargo handling equipment, commercial equipment such as generator sets, and lawn and garden equipment

Source: California Air Resources Board 2004 Estimated Annual Average Emissions – <http://www.arb.ca.gov/aqd/almanac/almanac.htm>

Combines North Central Coast and South Central Coast data



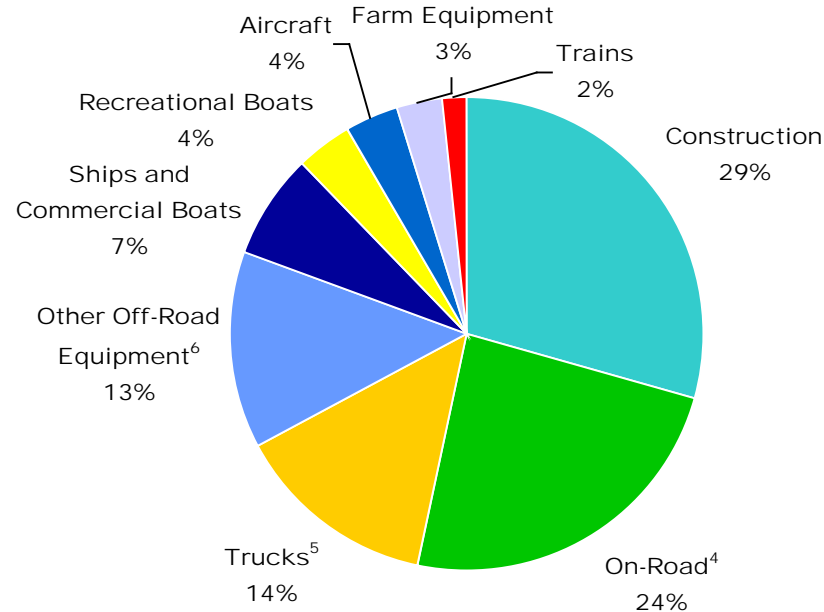
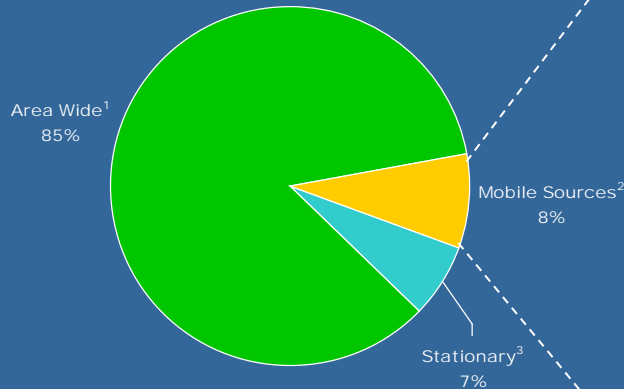
Central Coast PM 2.5 Emissions

Central Coast PM 2.5 Emissions

Mobile Source PM 2.5 Emissions

5 Total Tons Per Day

61 Total Tons Per Day



Notes:

- 1) Includes all sources of dust and several burning processes
- 2) Includes vehicles, trucks, marine vessels, trains, aircraft, and other off-road equipment
- 3) Includes fuel combustion activities, waste disposal, cleaning and surface coatings, petroleum production, and industrial processes
- 4) Includes light and medium duty passenger and commercial cars and trucks, and buses
- 5) Includes Medium Heavy and Heavy Heavy Diesel trucks
- 6) Includes industrial equipment such as forklifts and cargo handling equipment, commercial equipment such as generator sets, and lawn and garden equipment

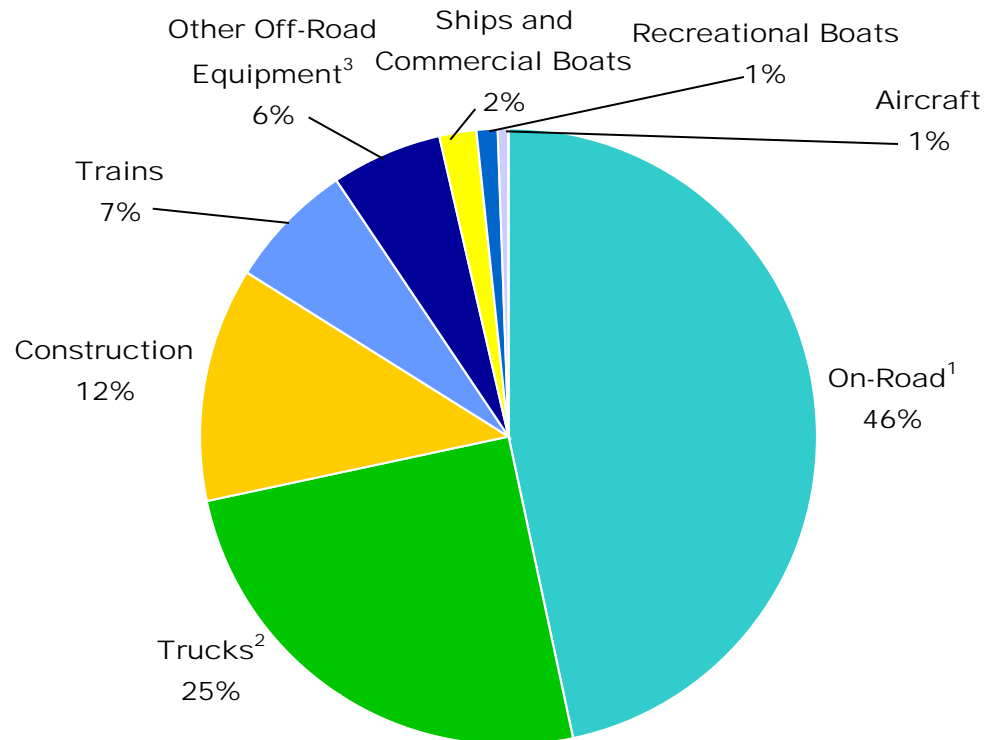
Source: California Air Resources Board 2004 Estimated Annual Average Emissions – <http://www.arb.ca.gov/aqd/almanac/almanac.htm>
Combines North Central Coast and South Central Coast data



Central Coast NOx mobile source emissions

Central Coast NOx Mobile Source Emissions

150 Total Tons Per Day



Notes:

- 1) Includes light and medium duty passenger and commercial cars and trucks, and buses
- 2) Includes Medium Heavy and Heavy Heavy Diesel trucks
- 3) Includes industrial equipment such as forklifts and cargo handling equipment, commercial equipment such as generator sets, and lawn and garden equipment

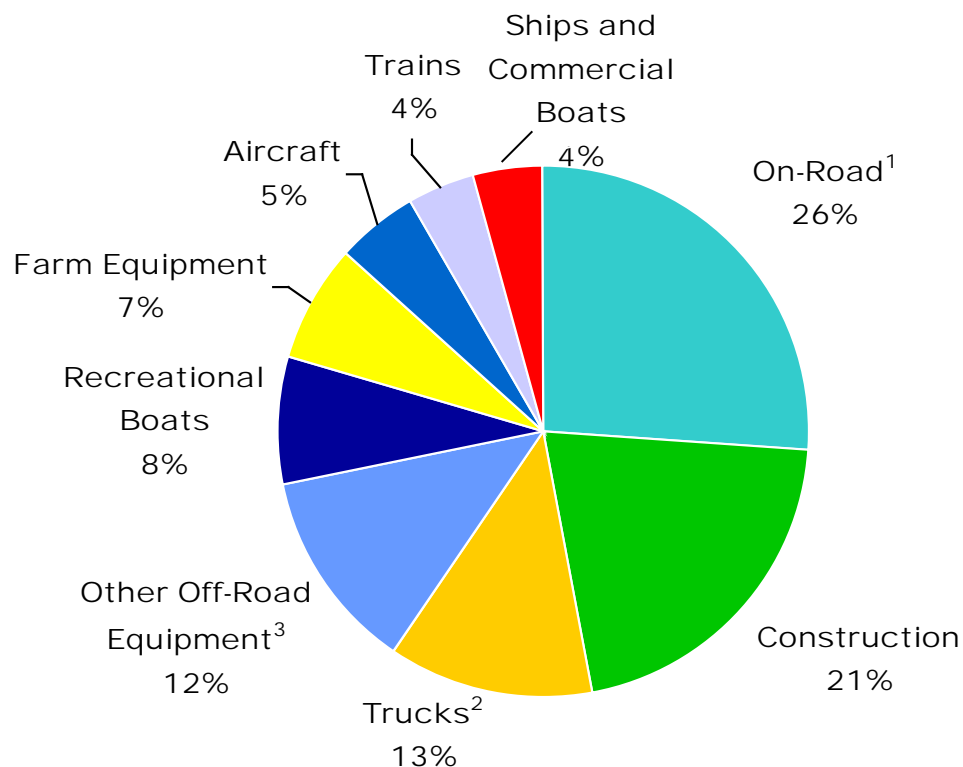
Source: California Air Resources Board 2004 Estimated Annual Average Emissions – <http://www.arb.ca.gov/aqd/almanac/almanac.htm>
Combines North Central Coast and South Central Coast data



Central Coast PM 2.5 mobile source emissions

Central Coast PM 2.5 Mobile Source Emissions

5 Total Tons Per Year



Notes:

- 1) Includes light and medium duty passenger and commercial cars and trucks, and buses
- 2) Includes Medium Heavy and Heavy Heavy Diesel trucks
- 3) Includes industrial equipment such as forklifts and cargo handling equipment, commercial equipment such as generator sets, and lawn and garden equipment

Source: California Air Resources Board 2004 Estimated Annual Average Emissions – <http://www.arb.ca.gov/aqd/almanac/almanac.htm>
Combines North Central Coast and South Central Coast data



Therefore, for diesel sources along the Central Coast...

- » Trucks and Construction Equipment are the drivers of NOx, and
- » Construction, Trucks and Off-road Equipment are the drivers of PM2.5.
- » Collaborative Projects that would have the greatest impacts include:
 - › Idle reduction strategies along major trucking corridors
 - › Truck engine retrofit program for large fleets and owner operated vehicles
 - › Green contracting agreements for public contracts
 - › Construction equipment retrofits through rental companies
 - › Inter-modal efficiency programs
 - › Electrification of port/switcher yard/transfer station equipment



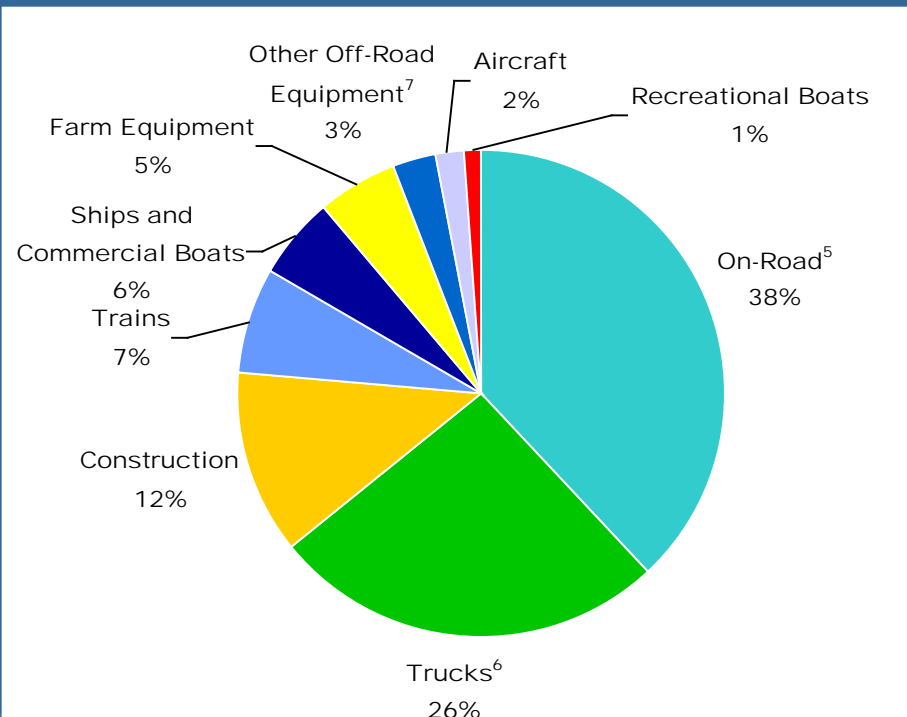
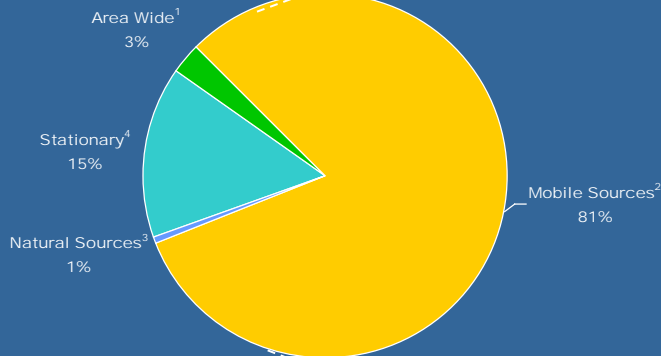
California NOx Emissions

Mobile Source NOx Emissions

2708 Total Tons Per Day

California NOx Emissions

3333 Total Tons Per Day



Notes:

- 1) Includes all sources of dust and several burning processes
- 2) Includes vehicles, trucks, marine vessels, trains, aircraft, and other off-road equipment
- 3) Represents non-anthropogenic sources, primarily wildfires
- 4) Includes fuel combustion activities, waste disposal, cleaning and surface coatings, petroleum production, and industrial processes
- 5) Includes light and medium duty passenger and commercial cars and trucks, and buses
- 6) Includes Medium Heavy and Heavy Heavy Diesel trucks
- 7) Includes industrial equipment such as forklifts and cargo handling equipment, commercial equipment such as generator sets, and lawn and garden equipment

Source: California Air Resources Board 2004 Estimated Annual Average Emissions – <http://www.arb.ca.gov/aqd/almanac/almanac.htm>



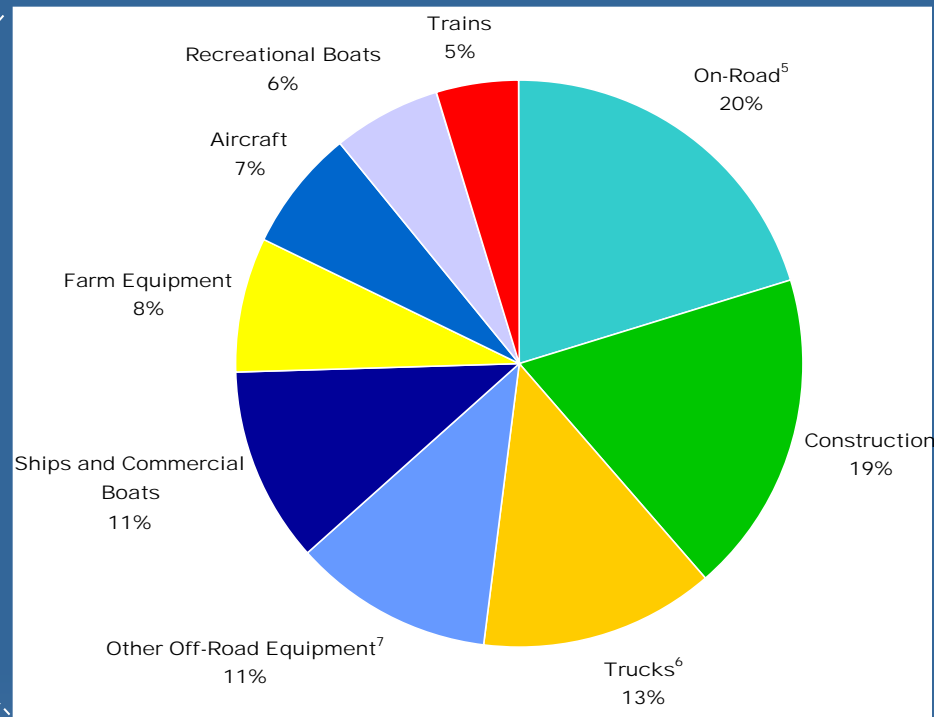
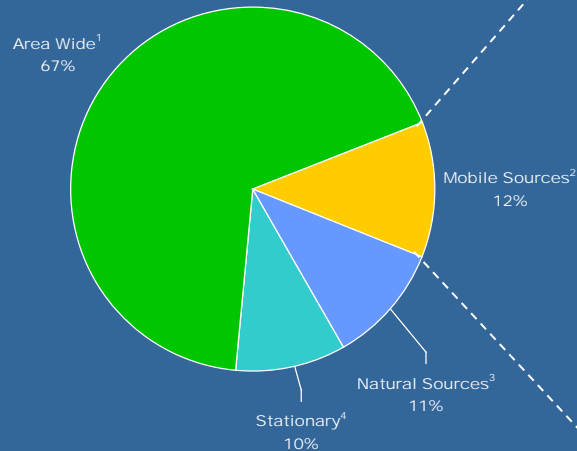
California PM 2.5 Emissions

Mobile Source PM 2.5 Emissions

102 Total Tons Per Day

California PM 2.5 Emissions

860 Total Tons Per Day



Notes:

- 1) Includes all sources of dust and several burning processes
- 2) Includes vehicles, trucks, marine vessels, trains, aircraft, and other off-road equipment
- 3) Represents non-anthropogenic sources, primarily wildfires
- 4) Includes fuel combustion activities, waste disposal, cleaning and surface coatings, petroleum production, and industrial processes
- 5) Includes light and medium duty passenger and commercial cars and trucks, and buses
- 6) Includes Medium Heavy and Heavy Heavy Diesel trucks
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Source: California Air Resources Board 2004 Estimated Annual Average Emissions – <http://www.arb.ca.gov/aqd/almanac/almanac.htm>