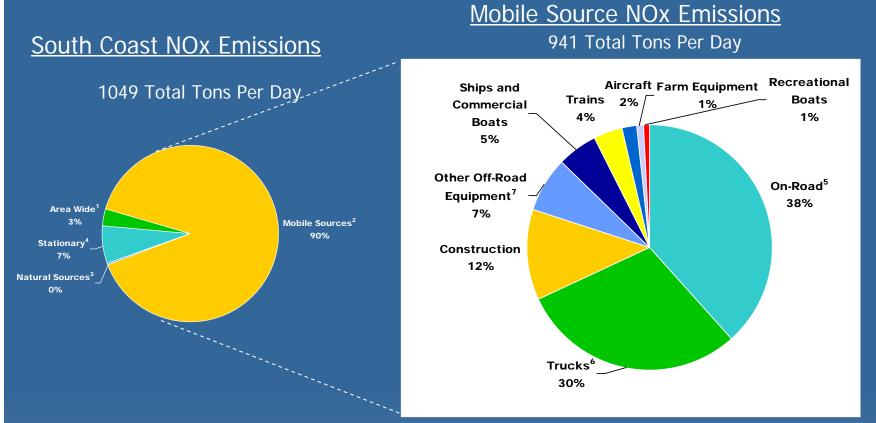


South Coast NOx Emissions



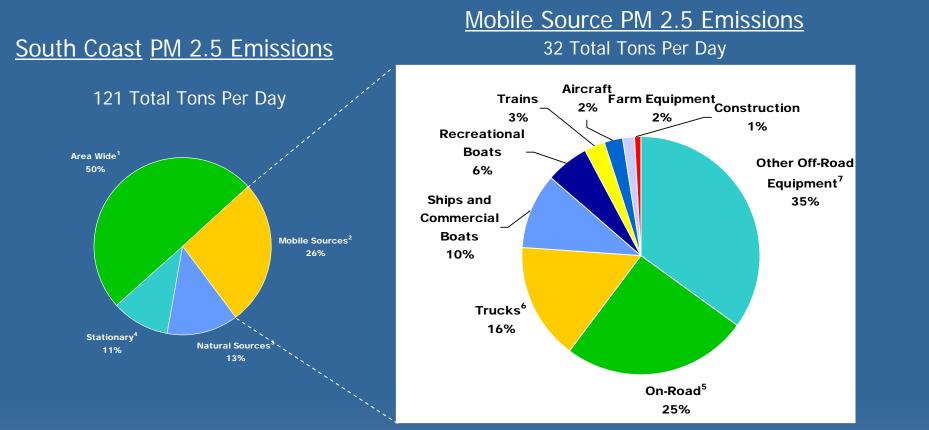
Notes:

- 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



South Coast PM 2.5 Emissions



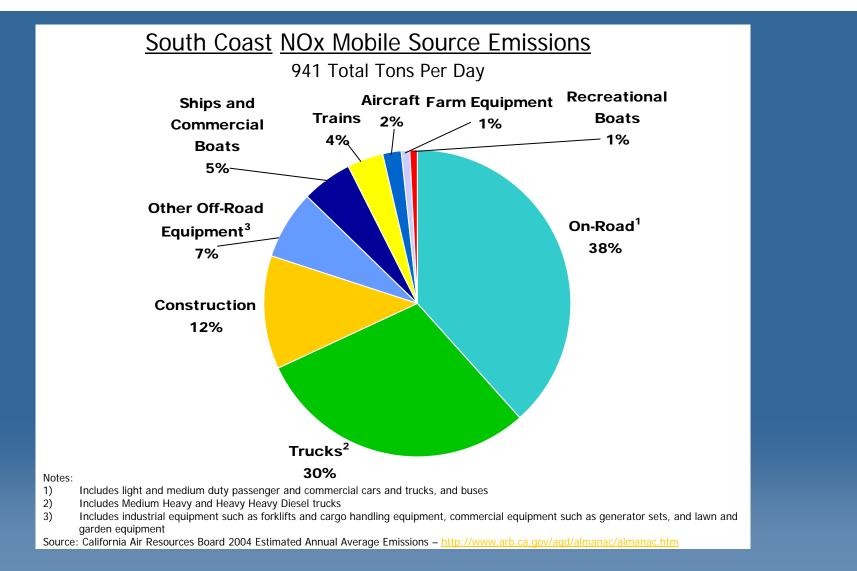
Notes:

- 1) Includes all sources of dust and several burning processes
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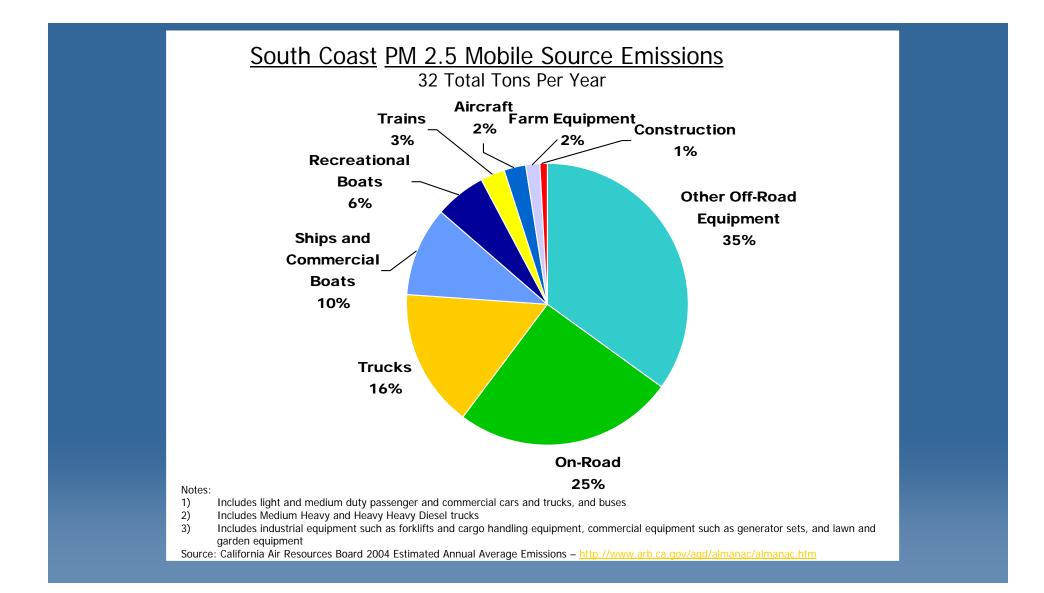


South Coast NOx mobile source emissions





South Coast PM 2.5 mobile source emissions



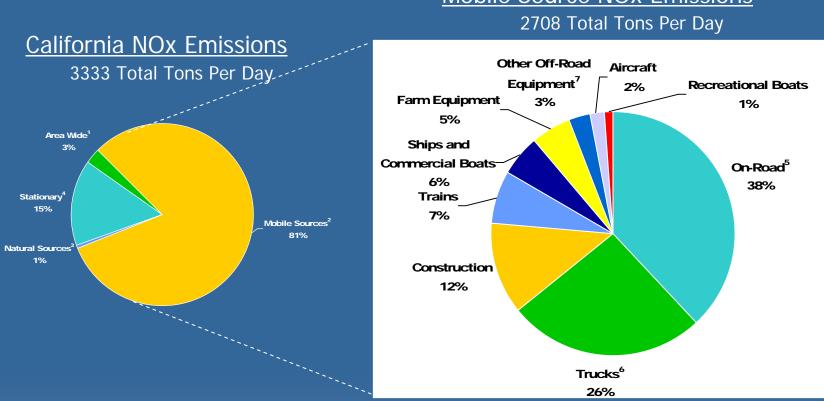


Therefore, for diesel sources in the South Coast

- Trucks and Construction Equipment are the drivers of NOx, and
- » Off-Road Equipment, Trucks and Ships and Commercial Boats 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
 - Inter-modal efficiency programs
 - Electrification of port/switcher yard/transfer station equipment
 - Green contracting agreements for public contracts
 - Construction equipment retrofits through rental companies
 - > On-shore power
 - Cleaner fuels, retrofits, rebuilds and repowers for ship engines



California NOx Emissions



Mobile Source NOx Emissions

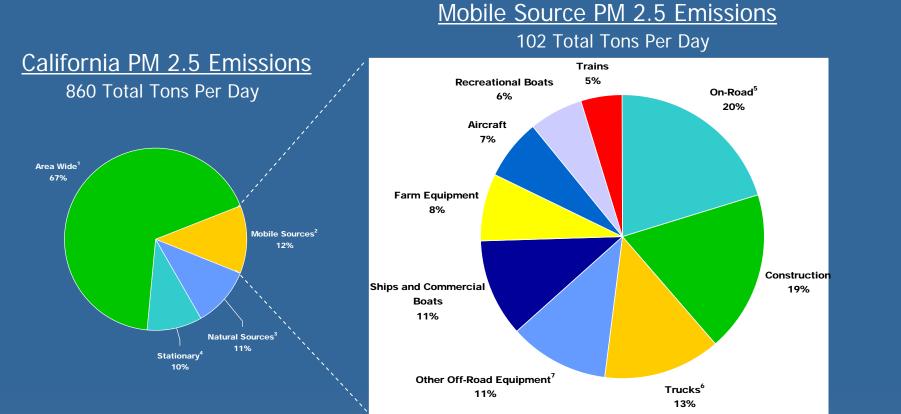
Notes:

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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/agd/alman



California PM 2.5 Emissions



- Notes:
- Includes all sources of dust and several burning processes
- Includes vehicles, trucks, marine vessels, trains, aircraft, and other off-road equipment
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