

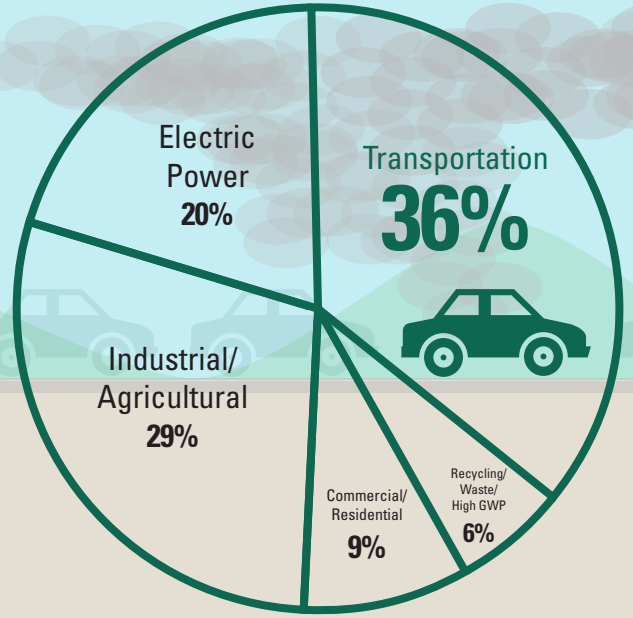
SCE is transforming the energy sector with bold ideas to accelerate vehicle electrification. By fueling a variety of vehicles – cars, public transportation, medium- and heavy-duty trucks, and industrial vehicles and equipment – with clean electric power instead of fossil fuels, we can help meet California’s ambitious greenhouse gas (GHG) and clean air goals.



Transportation is a **BIG** Greenhouse Gas Problem

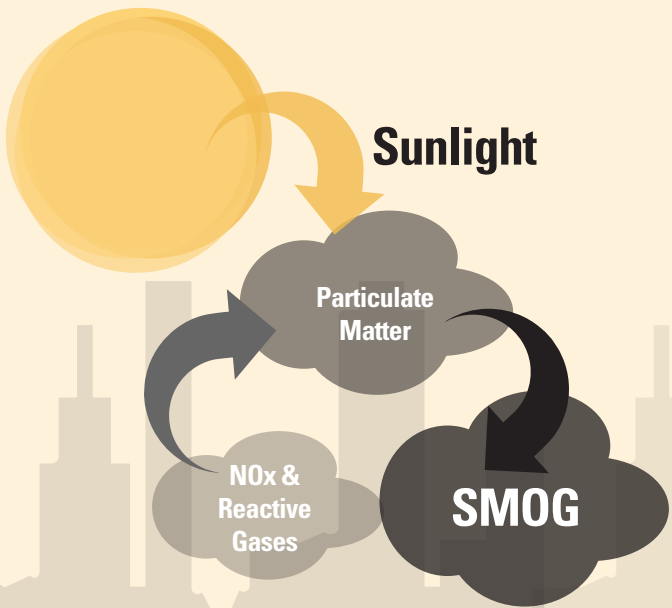
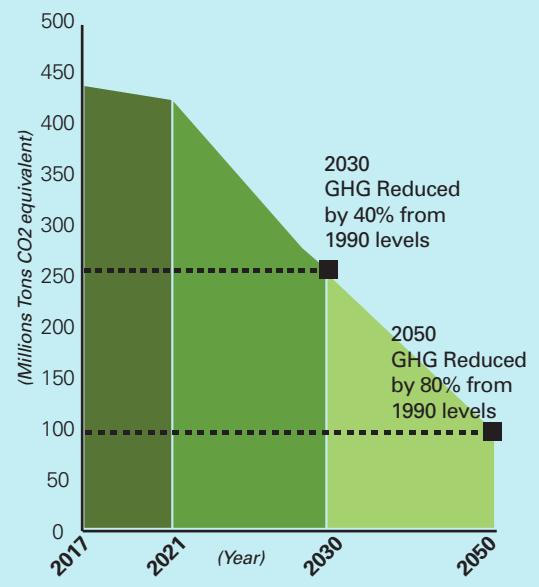
Did you know that 40% of the goods entering the nation are being moved through Southern California’s ports and highways?

While the goods movement industry is crucially important to the state and local economy, the transportation sector is responsible for 36% of California’s GHG emissions.



Greenhouse Gas Goals for California

California’s goals to reduce the state’s total GHG emissions by 40% from 1990 levels by 2030 and 80% by 2050 are some of the most ambitious environmental goals in the world. To help meet these goals, transportation electrification would account for 19 million metric tons of emissions abatement in California.

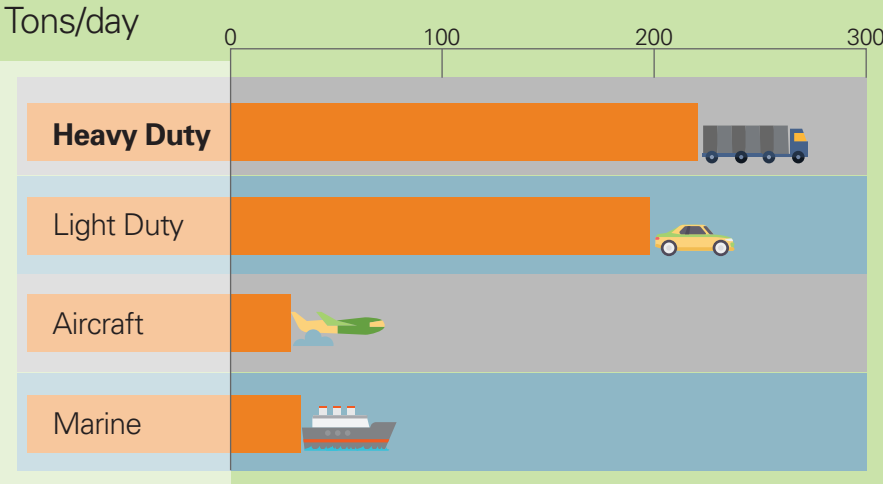


NOx leads to the smog we breathe in everyday

In addition to reducing GHG emissions, the state must also meet ground-level ozone, nitrogen oxide (NOx), and particulate emissions reduction requirements for cleaner air, especially in disadvantaged communities.

NOx and reactive organic gases contribute to the formation of harmful particulate matter in the atmosphere; both pollutants also react with sunlight to form smog (ground-level ozone).

NOx emissions



Heavy Duty Smog

Transportation has an even greater impact on air quality than on GHG emissions in California. It accounts for 80% of nitrogen oxide (NOx) and 95 percent of particulate emissions in the state that react with sunlight to form smog. In SCE’s service territory, disadvantaged communities near warehouses, factories, and along major freight corridors are most impacted. Despite major progress over many decades, Southern California, in particular, still has some of the worst local air quality in the nation.

Our Solution

Transportation electrification must play a central role if California is to succeed in reducing air pollution and greenhouse gases. SCE’s plan lays out a variety of projects to help meet goals, including: increasing EV charging infrastructure; addressing port electrification; offering rebates for charging station construction, providing low rates to support EV charging; and bonus rewards for using EVs in rideshare programs and services such as Lyft, Uber, and taxis. As more renewable resources are added to the grid, electric vehicles will increasingly benefit the environment.

