



THE ROAD TO CLEAN AIR

Quick Statistics

The American Lung Association in California's latest study, *The Road to Clean Air*, provides a vision of advanced California motor vehicle standards that can provide significant public health, environmental and petroleum independence benefits to California when compared to current vehicle standards.

General Results of *Road to Clean Air* Analysis

When fully implemented across the fleet, advanced standards recommended by the American Lung Association in California's *Road to Clean Air* were found to:

- reduce vehicle greenhouse gas emissions by 45 – 52%
- reduce smog-forming emissions by 75% - 85%
- reduce petroleum consumption by 38 - 49%
- reduce premature deaths and illnesses by 65 - 75%
 - A 100% ZEV fleet could attain a 90% reduction in illnesses
- reduce public health, global warming and societal costs by 50 - 56%

Health Damages Avoided Annually by *Road to Clean Air* Recommendations

- 400 - 420 premature deaths avoided
- 420 - 440 respiratory ER visits and cardiac/respiratory hospitalizations avoided
- 8,075 - 8,440 asthma attacks and lower respiratory symptoms avoided
- 181,000 – 190,000 acute and upper respiratory symptoms avoided
- 390 - 405 heart attacks avoided
- 28,100 - 29,300 work loss days avoided
- 8,800 - 9,500 missed school days avoided

Total Costs Avoided Annually by *Road to Clean Air* Recommendations

- \$7.2 - \$8.1 billion in annual health, global warming and societal costs avoided
 - \$3.7 - \$3.9 billion in health damages avoided
 - \$1.4 - \$1.6 billion in climate damages avoided
 - \$110 - \$120 million in environmental damages avoided
 - \$2.0 - \$2.6 billion in energy security costs avoided

Tons Per Day of Emissions Avoided by *Road to Clean Air* recommendations

- 122,000 – 139,000 tons per day of greenhouse gases
- 175 – 189 tons per day of smog-forming gases
 - 90 – 99 tons per day of VOC
 - 85 – 90 tons per day of NO_x
- 14 – 15 tons per day of PM_{2.5}