

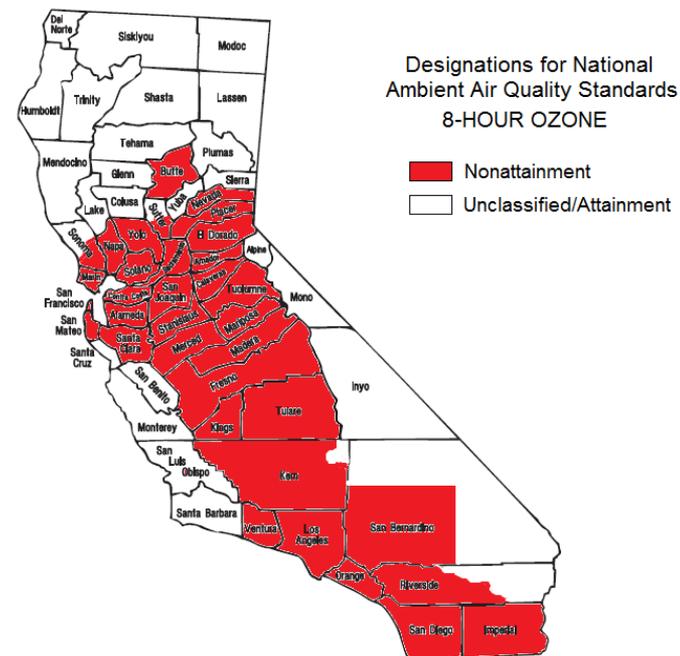


The Road to Clean Air

**Public Health and Global Warming
Benefits of Advanced Clean Car Standards**

State of the Air 2011

State of the Air 2011: Most Polluted Cities in America for Short-Term Particulate Pollution	
Metropolitan Area	US Rank 2011
Bakersfield	1
Fresno	2
Los Angeles	4
Visalia	7
Hanford	9
Sacramento	9
Modesto	12
Merced	13
San Diego	15
Stockton	16
San Jose – San Francisco – Oakland	24



The Road to Clean Air

Highlights the benefits of converting California's vehicle fleet from meeting current standards to the next generation of advanced clean car standards.

Answers the following :

- What are the public health costs of vehicle emissions?
- How much pollution could we cut?
- How many health problems can we avoid?
- What will it mean for the climate and environment?
- How much fuel can we save?

Road to Clean Air Scenarios

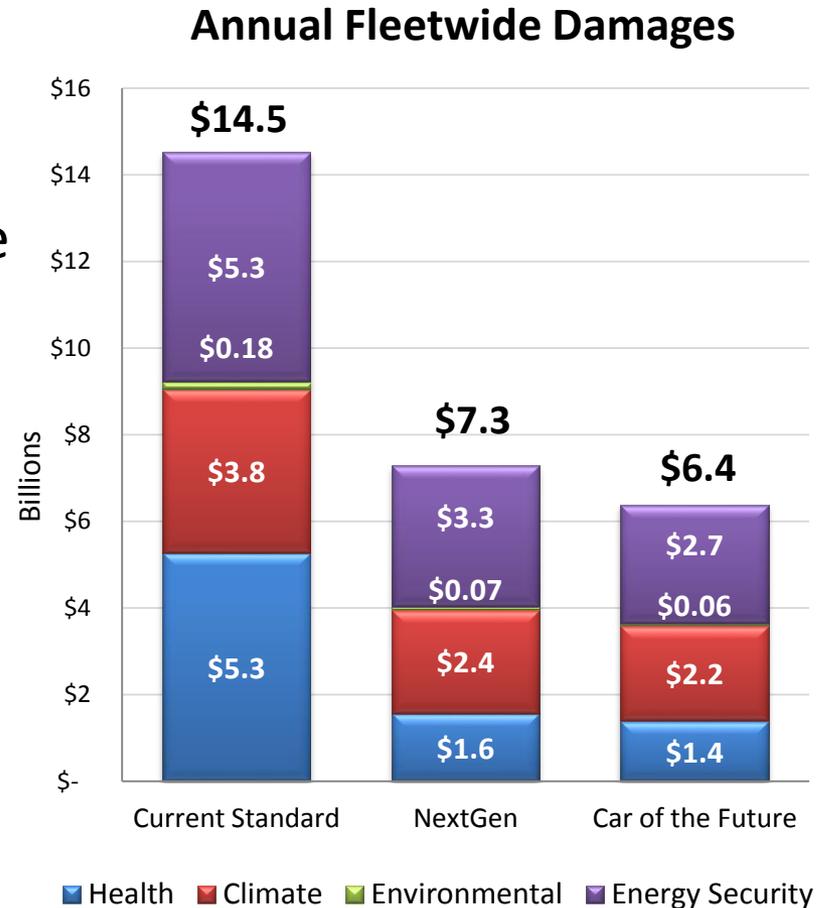
- The “**Current Standard**” reflects the current set of adopted vehicle standards in California.
- The “**Next Generation**” new vehicle scenario follows ARB’s proposed criteria pollution reduction path and an annual reduction in greenhouse gases of about 6%, or about a 45% reduction, from 2017 to 2025.
- The “**Car of the Future**” new vehicle scenario includes a vehicle mix that would achieve annual reduction in GHG of about 7.8%, or about a 50% reduction, from 2017 to 2025.

Overview of Findings

California could avoid over \$7.2 billion in annual health and other damages through the adoption of a strong next generation of vehicle standards.

Advanced Clean Cars Reduce:

- Air Pollution
- Cardiac/Respiratory health burdens, premature deaths
- Climate and Environmental Impacts
- Fuel Consumption and Dependency

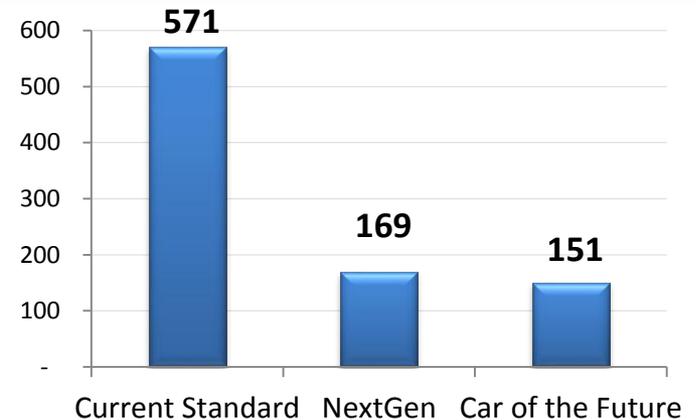


Advanced Clean Cars: Improving Public Health

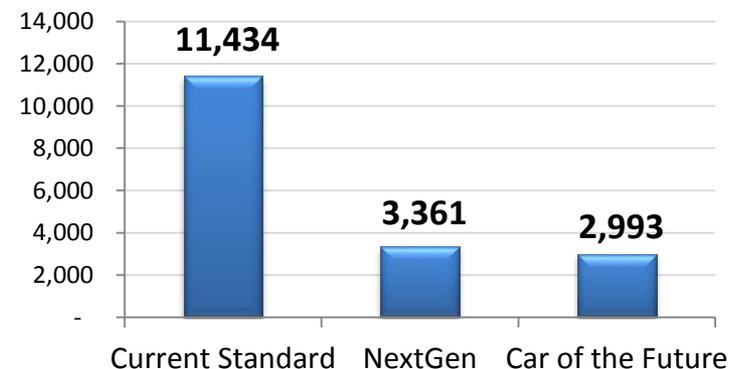
Annual Health Damages Avoided by moving forward:

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

Annual Premature Deaths
Caused by 2025 Fleet



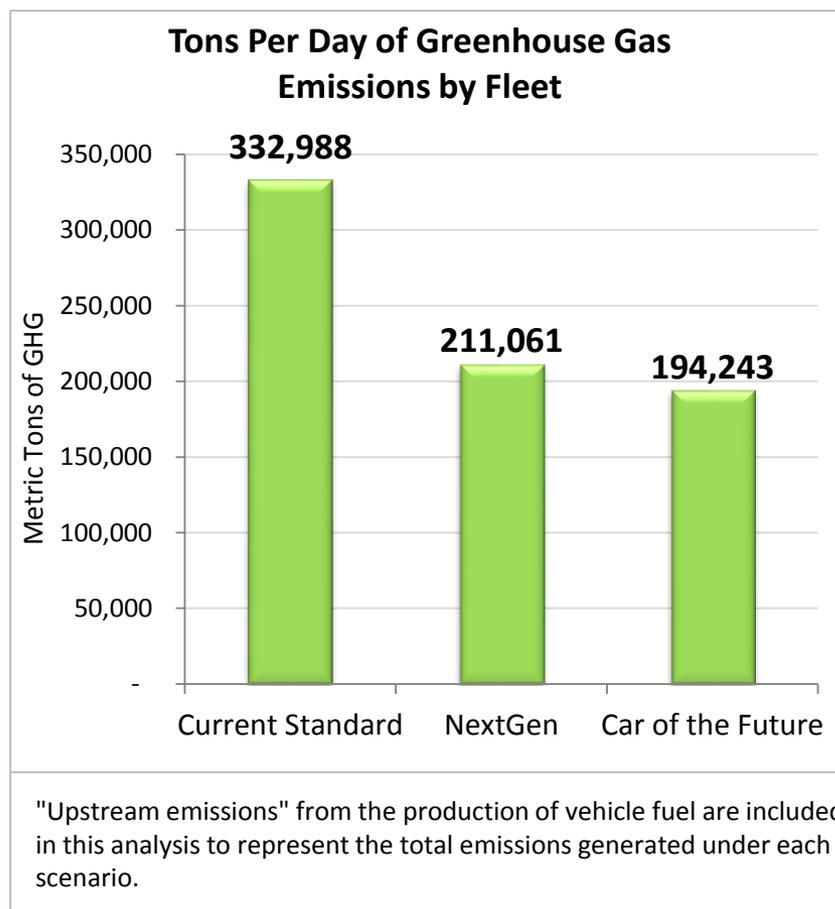
Annual Asthma Attacks & Lower Respiratory
Symptoms Caused by 2025 Fleet



Advanced Clean Cars and Climate Change

Compared to current standards, advanced clean cars will emit significantly fewer greenhouse gases:

- Total Reduction:
45 – 52% from 2017 to 2025
- Annual Costs avoided:
\$1.4 - \$1.6 billion



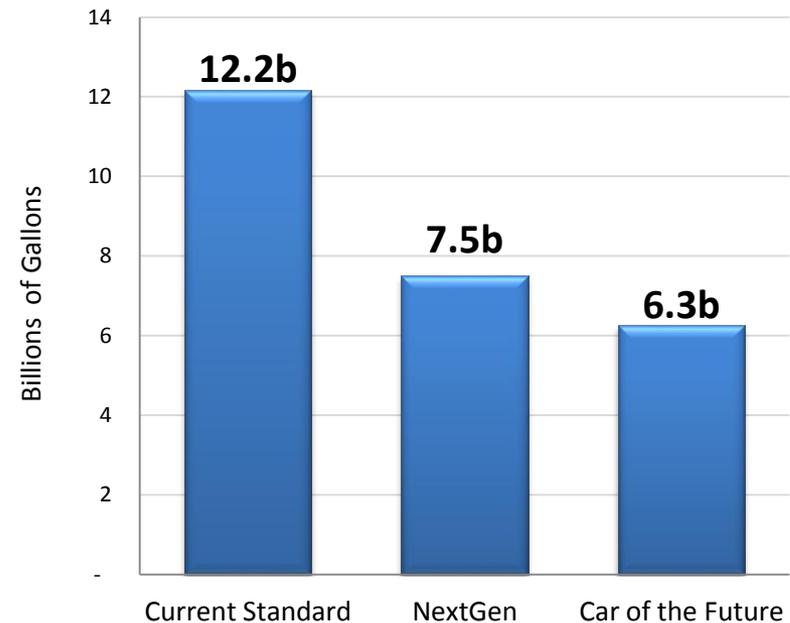
Advanced Clean Cars: Kicking the Oil Habit

Compared to current standards, the Road to Clean Air found that advanced standards reduce petroleum consumption by **38 - 49%**

\$780 in annual gas savings per car

*With each gallon of gasoline consumed, an average vehicle meeting the current standards adds \$1.19 in public health and other damages that don't show up at the pump – **or about \$20 per tank.***

Annual Fleetwide Gallons of Gasoline Consumed



Clean Cars Are Here!



Road to Clean Air Policy Priorities

By 2025, the new passenger vehicle standards must include:

- a 75% reduction in smog-forming emissions and more stringent fine particle limits
- a minimum 6% annual reduction (45% overall) in greenhouse gases from 2017-2025
- a minimum 20% zero emission technology vehicle mix by 2025

Health Groups Support Clean Cars



CALIFORNIA THORACIC SOCIETY



Santa Clara Family Health Foundation



Road to Clean Air

Available online:

www.lungusa.org/california-cleancars

Questions or Comments:

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