



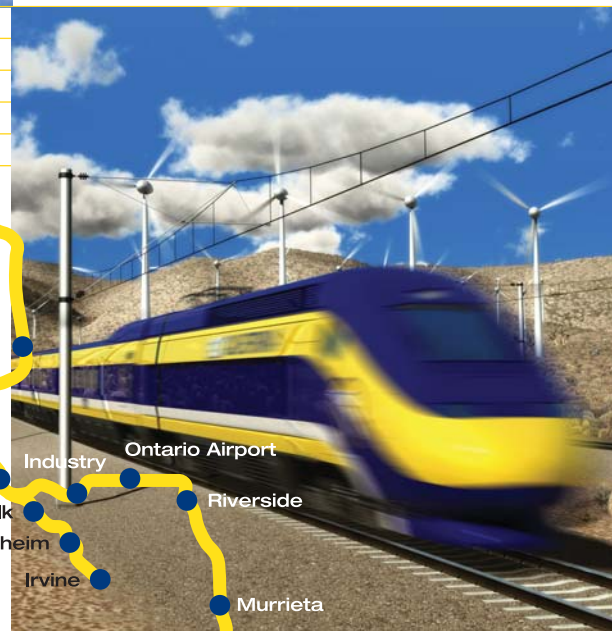
California High-Speed Train System Environmental Protection

High-speed trains will eliminate over 12 billion pounds of the greenhouse gas emissions that cause global warming each year. That's equivalent to removing more than one million vehicles from our roads annually.



California is ready to take the lead in environmental protection once again.

With voter approval of the high-speed train bond in November 2008, construction is likely to begin as early as 2011 on a statewide system of high-speed trains that will **protect our air and reduce the emissions** that cause climate change.



SIMULATION ARTWORK: N3CO

- HST Preferred Alignments
- Proposed High-Speed Commuter Rail / HST Overlay
- Stations
- Potential Station

Map based on 2005 Statewide Programmatic EIR/S preferred route, and staff recommendation to Authority Board December 19, 2007.

Governor Schwarzenegger says high-speed trains will bring:
*“improvements to our air quality, reductions in greenhouse gas emissions,
congestion relief on our highways and greater mobility.”*

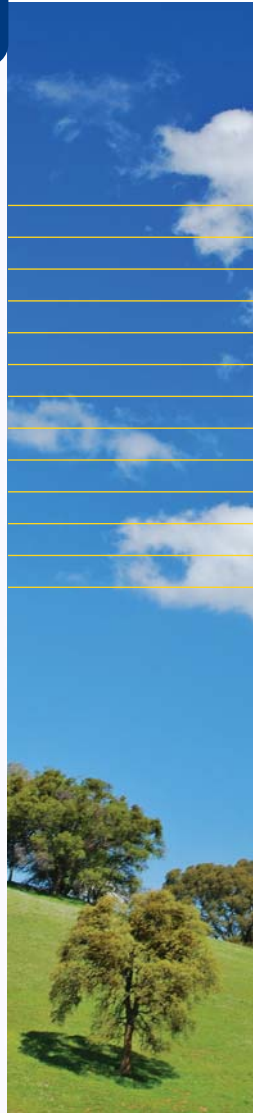
— Fresno Bee, May 4, 2007

The Problem: Congestion and Greenhouse Gas Emissions

- California’s population will grow to about **50 million people** in 20 years. Already, California has three of the top five most congested urban areas in the United States.
- Congestion costs California **\$20 billion** per year in wasted fuel and lost time.
- California is the **12th largest** source of greenhouse gas emissions on the planet. Transportation accounts for **41%** of the state’s emissions.
- San Francisco, San Diego and Los Angeles international airports are predicting **“unacceptable delays”** and will need 90 new gates and five new runways just to accommodate trips between California’s major metropolitan areas—with virtually no room to accommodate future expansion.

The Solution: High-Speed Trains

- **High-speed trains** will remove millions of passenger trips from our highways every year and attract millions of airline passengers to reduce airport delays.
- **High-speed trains** use **1/3** the energy of air travel and **1/5** the energy of auto travel.
- **High-speed trains** will eliminate over 12 billion pounds of the **greenhouse gas emissions** that cause global warming each year. That’s equivalent to removing more than one million vehicles from our roads annually.
- **High-speed trains** will reduce dependence on foreign oil by up to **12.7 million** barrels per year.
- **High-speed trains** are part of San Joaquin Valley Air Pollution Control District’s Fast Track Plan for Clean Air.



“Using steel wheels on steel track reduces friction and is energy-efficient compared with rubber tires on freeways or airplanes flying in the wind.”

OLIVER HAUCK

Siemens Transportation Systems
The Stockton Record, September 17, 2007

“High-speed rail is an important part of the solution that we need to have—and have soon—on global warming.”

BILL ALLAYAUD

State Legislative Director,
Sierra Club, California Chapter
June 2007



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