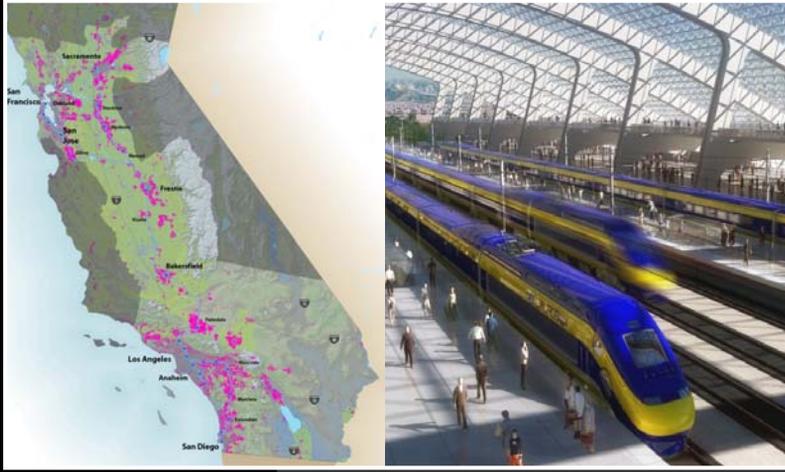


Vision California



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URBAN DESIGNERS, PLANNERS, ARCHITECTS

Vision California

VISION CALIFORNIA | CHARTING OUR FUTURE STATEWIDE SCENARIOS REPORT



The report accompanies the California High-Speed Rail Authority's public release of the Vision California Report for modeling the land use and state-wide scenarios that maximize the impact of saving land and reducing transportation investment and policy decisions on greenhouse gas emissions, air pollution, water and energy use, land consumption, and infrastructure costs. It provides the background and rationale for the Vision California project, and describes the report's methods, assumptions, and results. A detailed description of the report's methodology can be found in the Executive Market (EMR) Report and Technical Guide. More detailed information about the Vision California project can be found at visioncalifornia.org or www.caltrans.ca.gov/vision-california.

Vision California and Policy Context

Vision California is an unprecedented effort to explore the role of land use and transportation investments in meeting the environmental, fiscal, and public health challenges facing California over the coming decades. Initiated by the California High-Speed Rail Authority (CHSR) and supported by the California Strategic Growth Council (SGC), the project is providing new information and analysis to help inform the state's transportation, land use, and infrastructure decisions. Vision California can inform the policy and programmatic decisions that will drive California's infrastructure investments. The report's findings and results can be used to inform state and regional policy decisions, and to inform and inform state and regional policy decisions, and to inform and inform state and regional policy decisions.

Vision California will:

- Highlight the unique opportunity presented by California's planned High-Speed Rail network in shaping growth and other investments.
- Frame California's development issues in a comprehensive manner, illustrating the role of land use in meeting greenhouse gas (GHG) reduction targets through related actions.
- Illustrate the connections between land use and other major challenges, including water and energy use, housing affordability, public health, land use, infrastructure, and economic development.
- Clearly link land use and infrastructure priorities to mandated targets set forth by AB 680, SB 375, and the California Air Resources Board (CARB).
- Provide actionable tools, such as state agencies, regional governments, and the non-profit community, which can effectively measure the impact of land use and transportation investment scenarios.
- Build upon strategies and other regional plans to produce statewide growth scenarios that go beyond regional boundaries and assess the combined impact of these plans.
- Connect state and national goals for energy independence, energy efficiency, and green job creation to land use and transportation investments.

Vision California is done in part by the challenges set forth by the 2008 passage of the California Global Warming Solutions Act (AB 32), which sets aggressive targets for the reduction of greenhouse gas emissions (GHG). The project is designed to provide critical context for the implementation of Senate Bill 375 (SB 375) and land use-related GHG reduction targets for local governments, as well as illustrate and comprehensively measure the role of land use and SB 375-mandated regional "Interruption Commitment Strategies" in meeting AB 32 GHG targets.



VISION CALIFORNIA | STATEWIDE SCENARIOS SUMMARY



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VISION CALIFORNIA - CHARTING OUR FUTURE
Summary and Key Findings
 (179 KB pdf) This summary offers a quick overview of results for two statewide scenarios: "Business as Usual" and "Growing Smart."

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Full Report
 (540 KB pdf) This report describes the land use and policy options used in developing four statewide scenarios, and outlines the scenario results.

VISION CALIFORNIA - CHARTING OUR FUTURE
Rapid Fire Model Technical Summary
 (1 MB pdf) This report broadly describes how the Rapid Fire model works.

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CALIFORNIA HIGH SPEED RAIL AUTHORITY

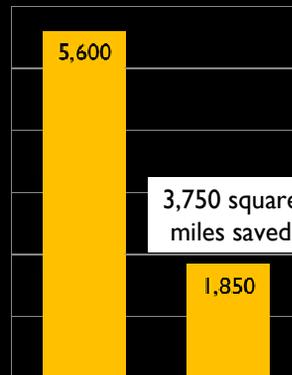
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AI v C1/C2

Land Consumed

For New Growth to 2050 (mi²)

More land than Delaware and Rhode Island combined



Business As Usual Growing Smart

Infrastructure Cost for New Growth

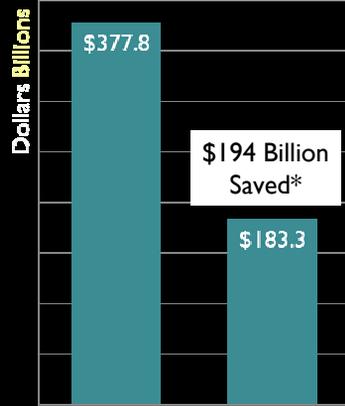
For New Growth to 2050

\$24,000 Saved per New Housing Unit : \$4.3 Billion/Year



Flickr: sl-engineer

*Includes local roads, waste water and sanitary sewer, water supply, and dry utilities



Business As Usual Growing Smart



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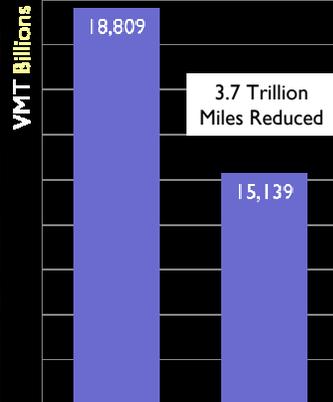
Vehicle Miles Traveled (VMT)

Cumulative to 2050

Equivalent to taking ALL cars off California's roads for 12 years



Flickr: trash-photography



Business As Usual Growing Smart



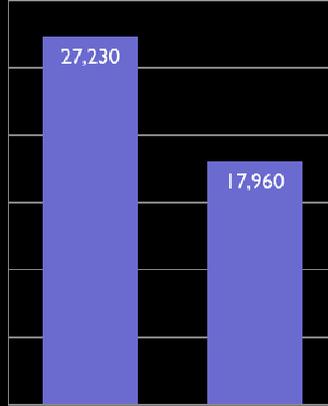
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Vehicle Miles Traveled (VMT) Miles Per Household in 2050

9,300 Fewer Miles Per Household



Flickr: trash-photography



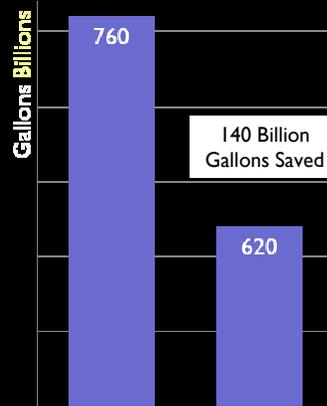
Business As Usual Growing Smart



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Auto Fuel Consumed Cumulative to 2050

Equivalent to more than 2 years of oil imports to the US



Business As Usual Growing Smart



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Auto Fuel Cost

Cost Per Household in 2050

\$2,600 Annual Savings Per Household in 2050



Flickr: TheTruthAbout...



Business As Usual

Growing Smart

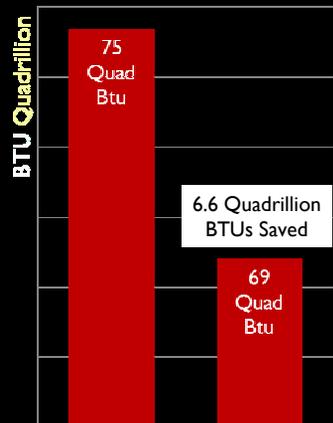
Building Energy

Cumulative to 2050

Would Power ALL Homes in California for 8 Years



Flickr: arbyreed



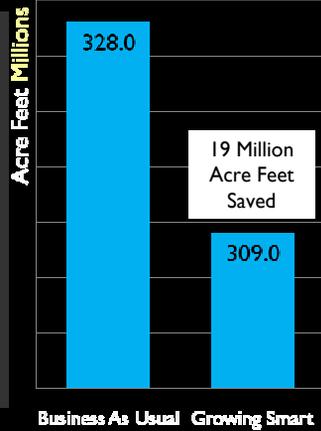
Business As Usual

Growing Smart

Residential Water Use

Cumulative to 2050

Water Savings Could Fill Hetch Hetchy 50 Times



Annual Household Costs

Per Household Annual in 2050

More than \$6,400 Savings Per Household in 2050



Flickr: Diablo_Solar



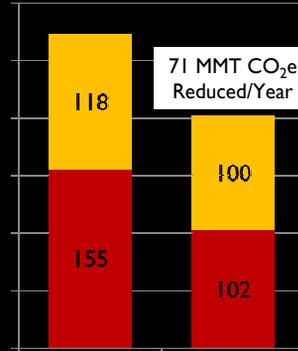
Greenhouse Gas Emissions

Annual in 2050

Emissions offset by 45,000 square miles of trees in a year.
A forest covering 1/4 of California.



■ Passenger Vehicles ■ Buildings



Business As Usual Growing Smart



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www.visioncalifornia.org

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