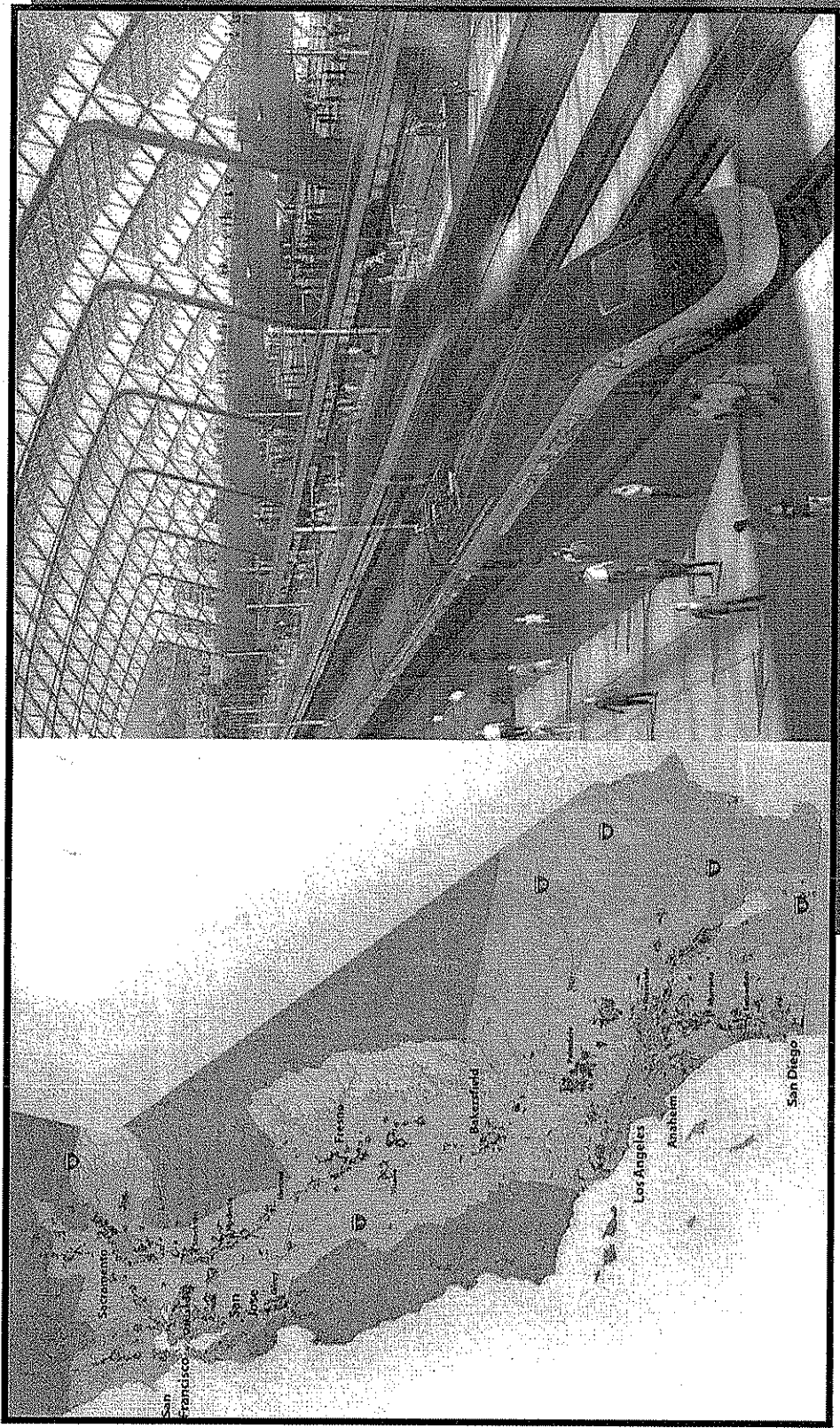


Joe Distefano
10-6-6

Vision California





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AUTHORITY



California
Environmental
Protection Agency



CHHS
California Health & Human Services Agency



CALIFORNIA
natural
resources



California
Environmental
Protection Agency

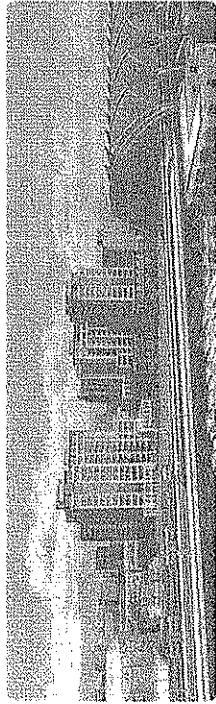


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Vision California

VISION CALIFORNIA | CHARTING OUR FUTURE STATEWIDE SCENARIOS REPORT



This report accompanies the California High-Speed Rail Authority's public release of the Vision California Report, the mobility tool and a set of state-wide scenarios that measure the impact of varying land use patterns, transportation investments, and policy directions on greenhouse gas emissions, air pollution, water and energy use, land consumption, and infrastructure cost. It provides brief background material on the Vision California project, and describes the Report's model, scenarios, and results. A detailed description of the Report's model can be found in the *Report for Model Users* and *Report for Technical Users*. More detailed information about the Vision California project can be found at visioncalifornia.org and at www.highspeedrailauthority.org.

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. Funded by the California High-Speed Rail Authority, the project is a partnership with the California Strategic Growth Council, the state's highest-level policy-making body. The project's goal is to provide a comprehensive, data-driven analysis of the consequences of different scenarios. Vision California can inform the policy and legislative decisions that will drive California's infrastructure investments. The project's tools and results can be used to support critical state and regional policy decisions, and to inform and guide with improvements in regional land use, transit, and other investments.

Vision California will:

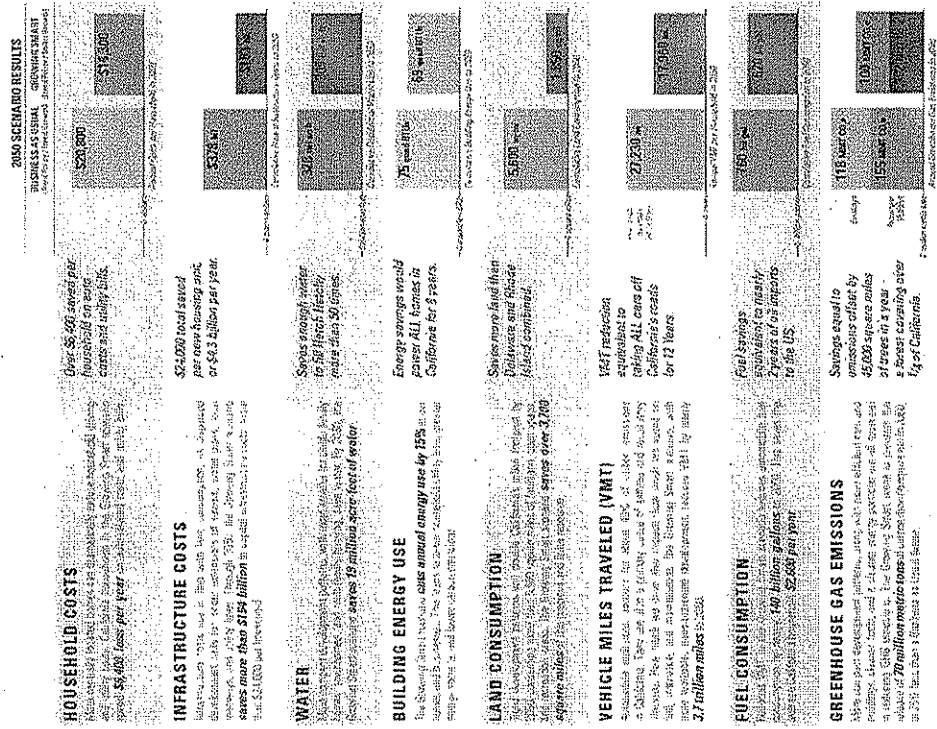
- Highlight the unique opportunity presented by California's planned High-Speed Rail network in shaping growth and other investments.

- Frame California's development issues in a comprehensive manner illustrating the role of land use in meeting greenhouse gas (GHG) reduction targets through reduced analysis.
- Illustrate the connections between land use and other policy challenges, including water and energy use, housing affordability, public health, landform preservation, infrastructure provision, and economic development.
- Identify linkages and infrastructure priorities to enable the targets set forth by AB 32, SB 375, and the California Assembly Bill 680 (AB 680).
- Produce a series of tools for use by state agencies, regions, local governments, and the non-profit community, which can effectively measure the impacts of land use and transportation investments.
- Build upon Blueprint and other regional plans to produce statewide growth scenarios that go beyond regional boundaries and assess the cumulative impact of these plans.
- Connect state and regional goals for energy independence, energy efficiency, and green job creation to land use and transportation investments.

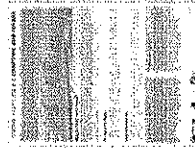
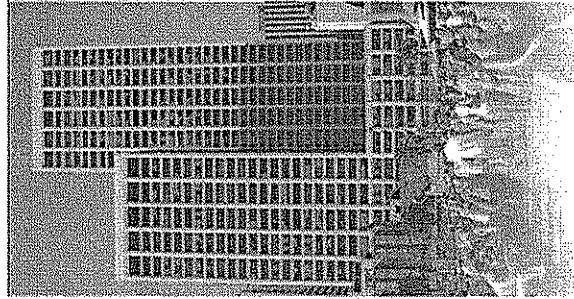
Vision California is driven in part by the challenges set forth by the 2009 passage of the California Global Warming Solutions Act (AB 32), which sets aggressive targets for the reduction of greenhouse gas emissions (GHG). The project is designed to provide critical context for the implementation of Senate Bill 375 (SB 375) and land use-related GHG reduction targets for local governments, as it will illustrate and compare the consequences of the job of land use and SB 375-mandated regional Sustainable Communities Strategies in meeting AB 32 (GHG) targets.

Rev. 05-12-2009
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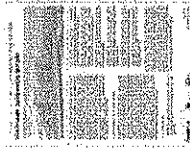
VISION CALIFORNIA | STATEWIDE SCENARIOS SUMMARY



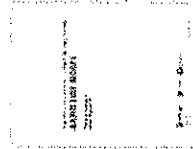
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VISION CALIFORNIA - CHARTING OUR FUTURE
Summary and Key Findings
(129 KB pdf) This summary offers a quick overview of results for two statewide scenarios: "Business as Usual" and "Growing Smart."



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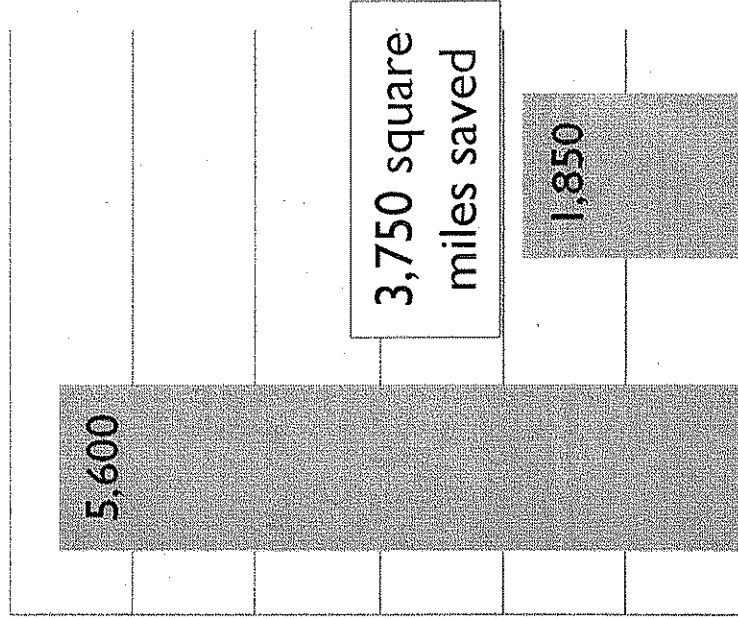
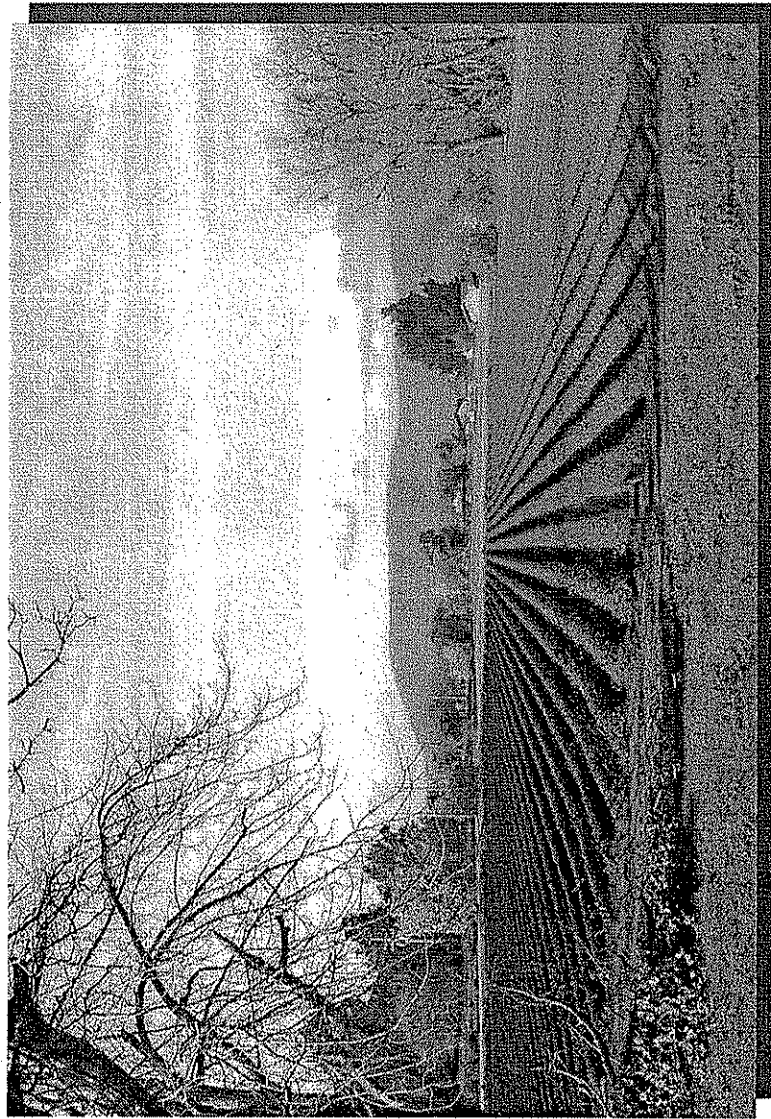


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Rapid Fire Model Technical Summary
(1 MB pdf) This report broadly describes how the Rapid Fire model works.

Land Consumed

For New Growth to 2050 (mi²)

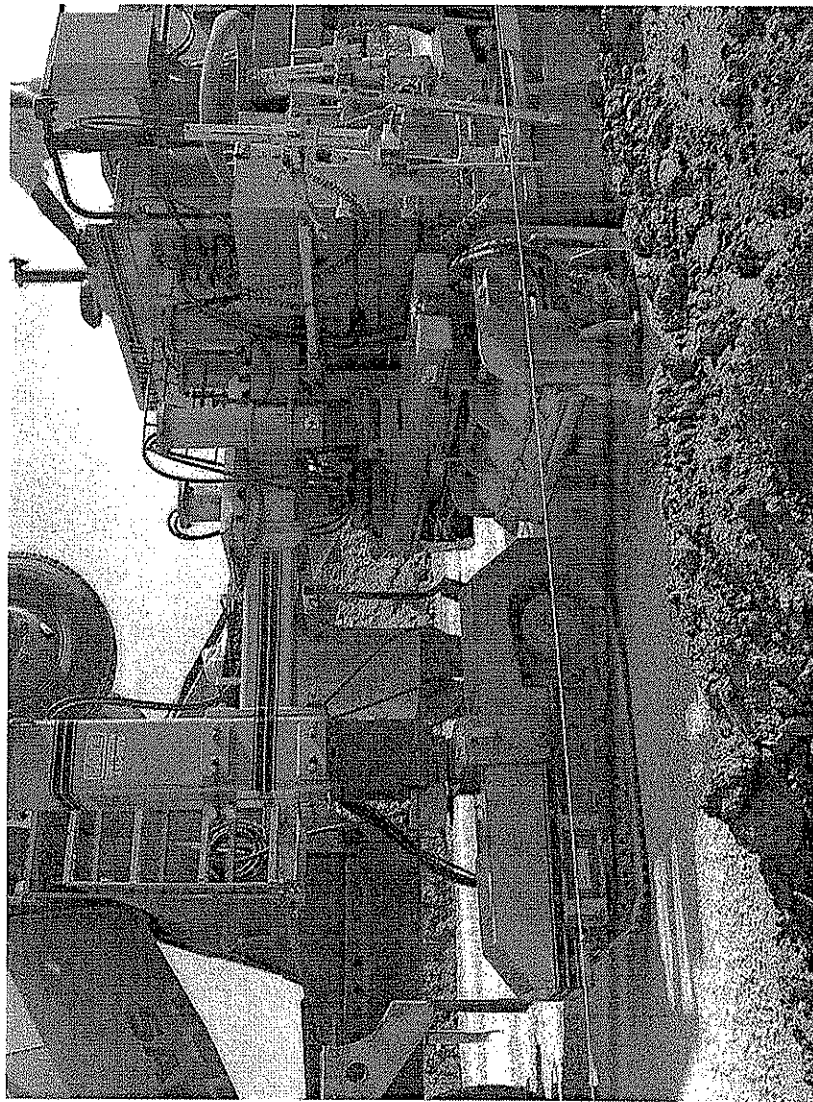
More land than Delaware and Rhode Island combined



Infrastructure Cost for New Growth

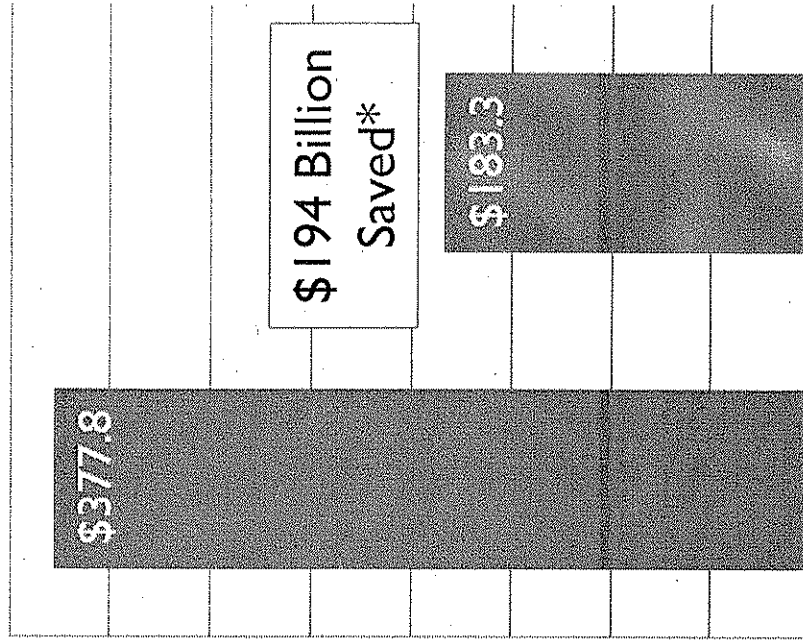
For New Growth to 2050

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



Flickr: sl-engineer

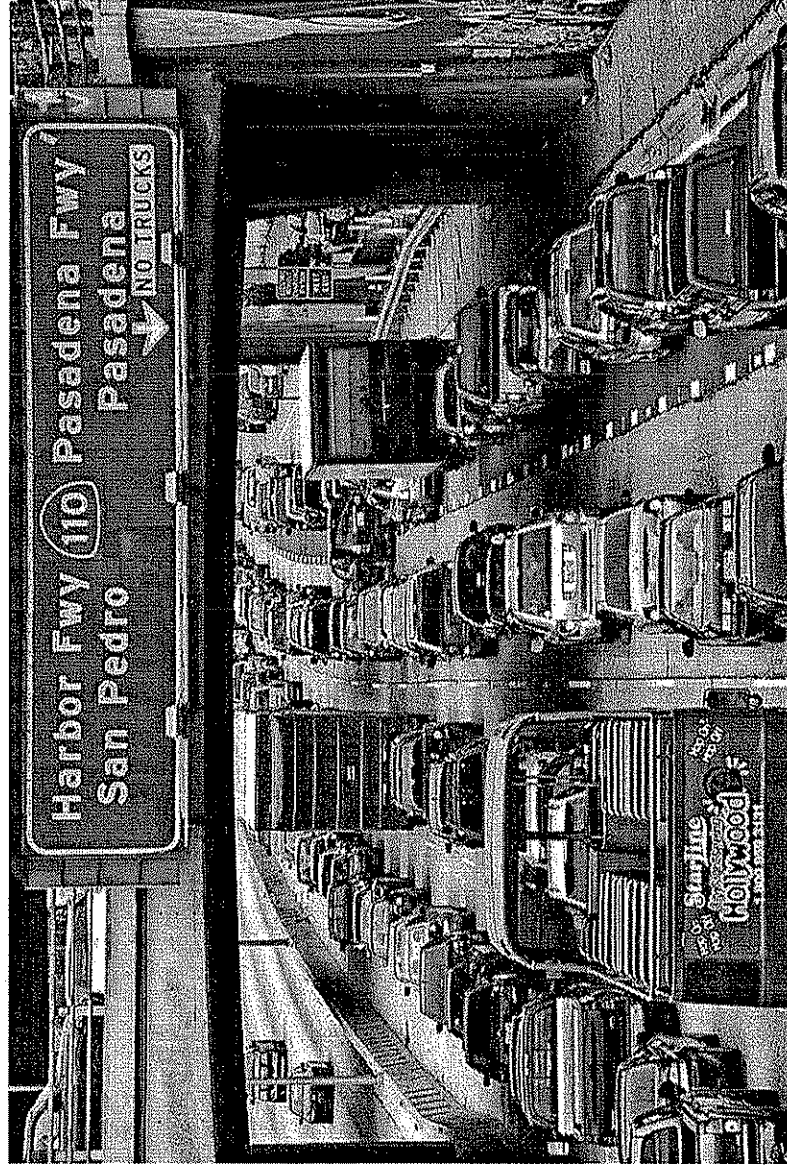
*Includes local roads, waste water and sanitary sewer, water supply, and dry utilities



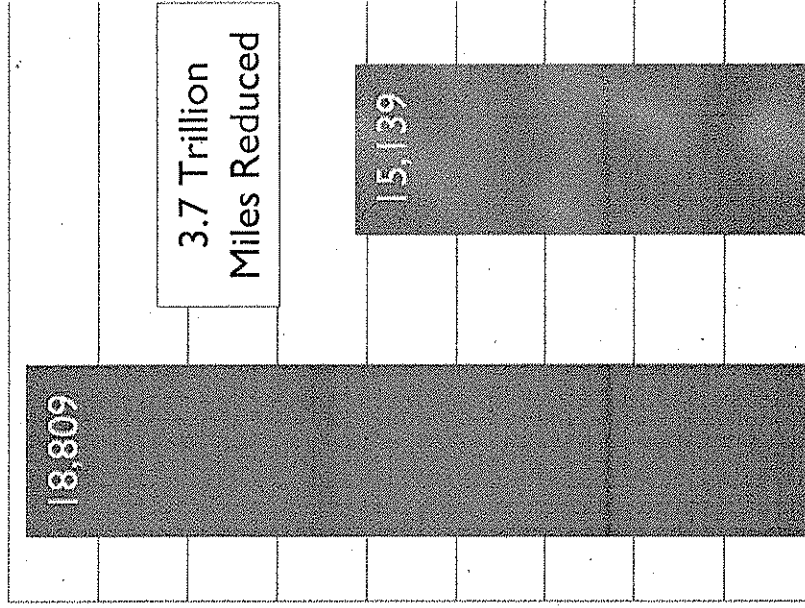
Vehicle Miles Traveled (VMT)

Cumulative to 2050

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



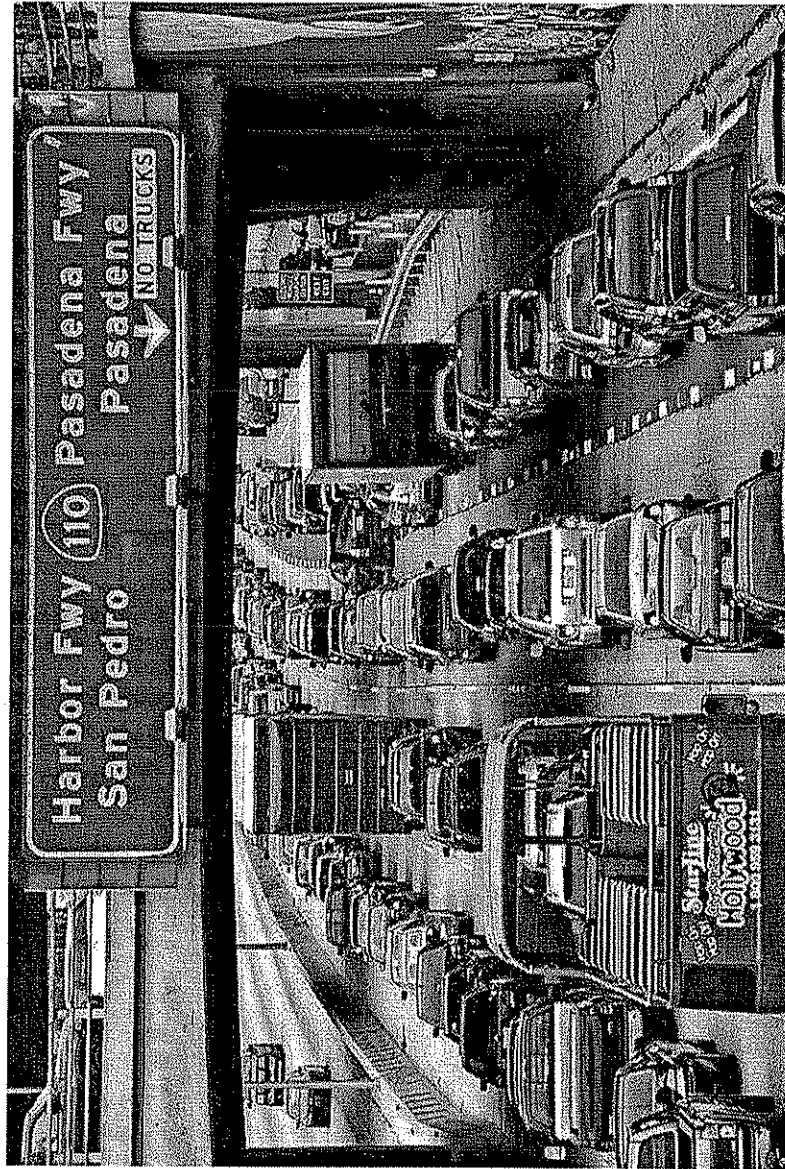
Flickr: trash-photography



Vehicle Miles Traveled (VMT)

Miles Per Household in 2050

9,300 Fewer Miles Per Household



Flickr: trash-photography

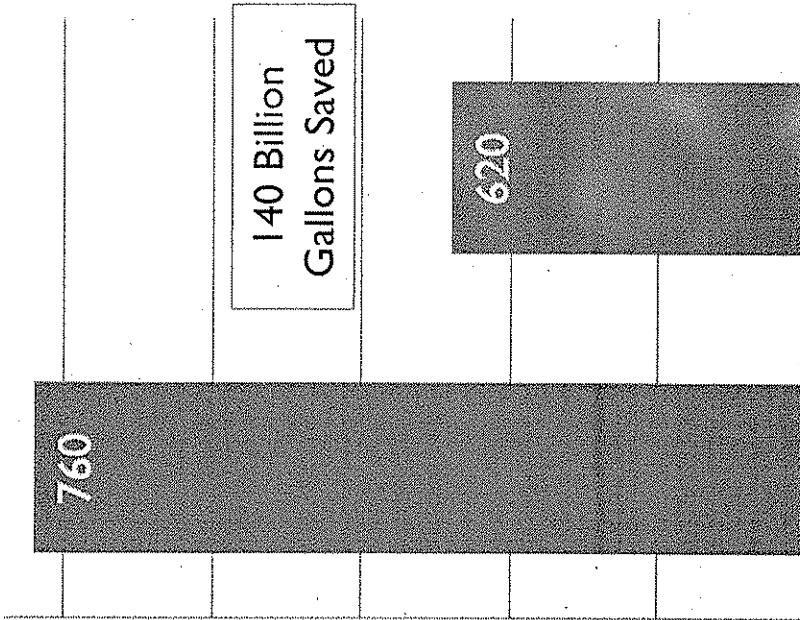
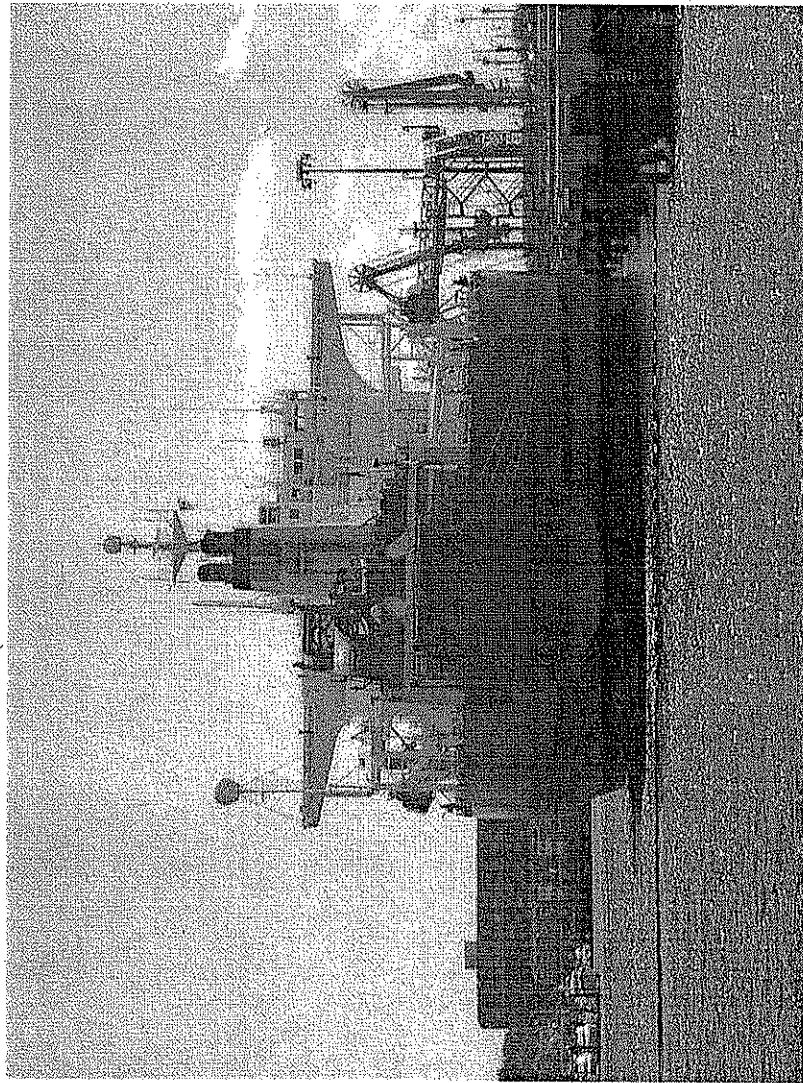
27,230

17,960

Auto Fuel Consumed

Cumulative to 2050

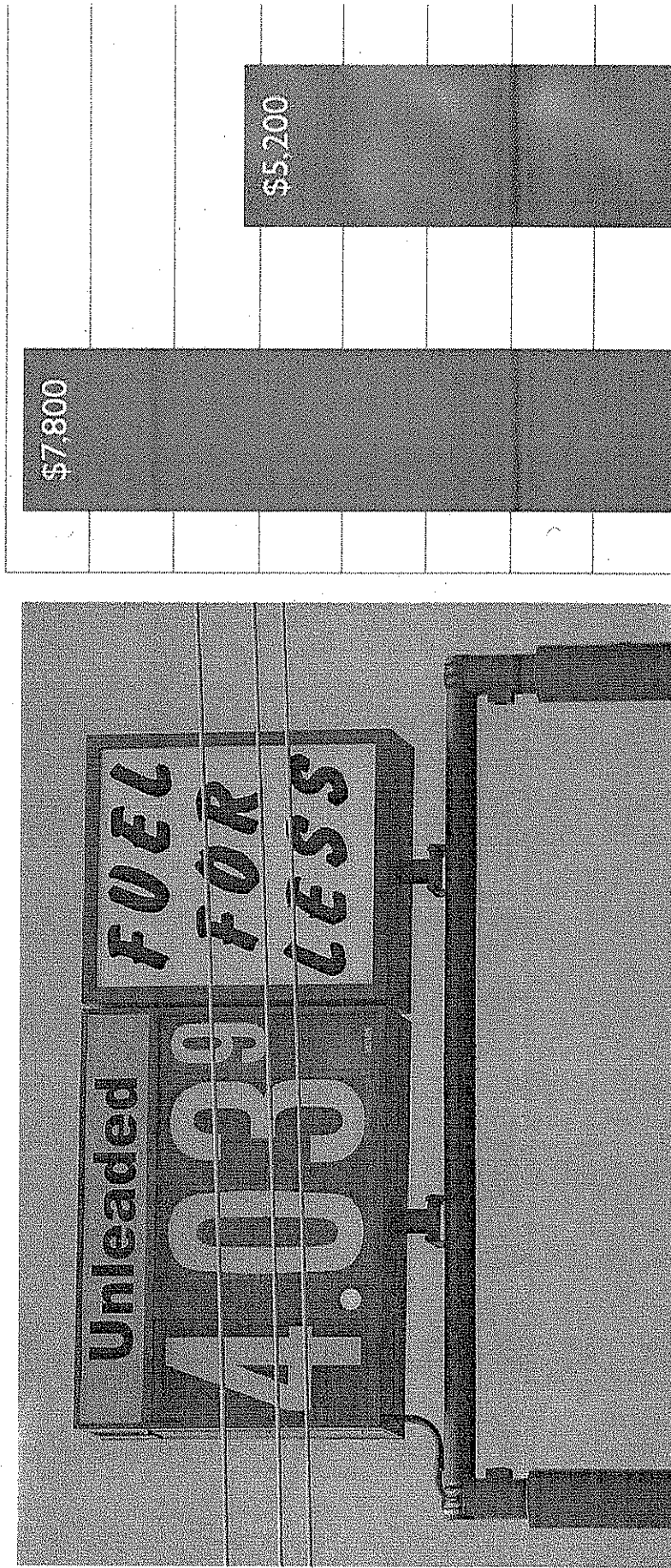
Equivalent to more than 2 years of oil imports to the US



Auto Fuel Cost

Cost Per Household in 2050

\$2,600 Annual Savings Per Household in 2050



Flickr: TheTruthAbout...



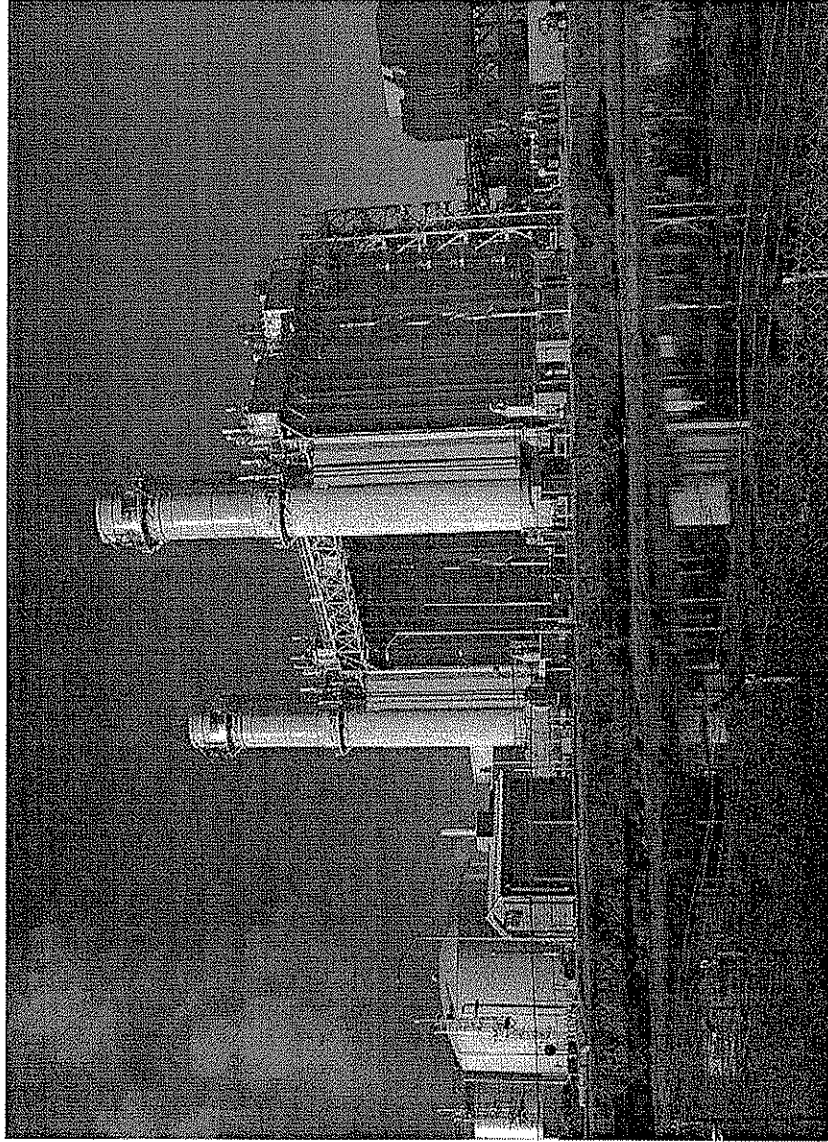
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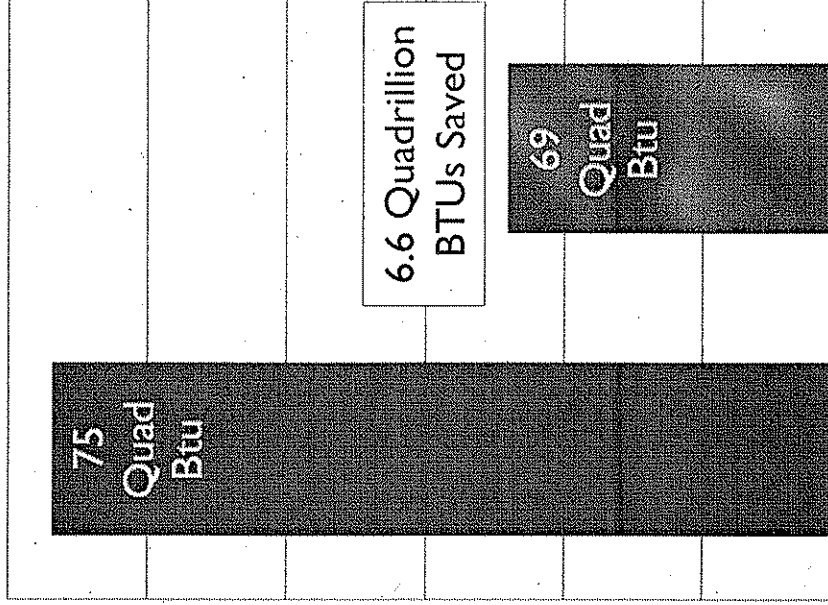
Building Energy

Cumulative to 2050

Would Power ALL Homes in California for 8 Years



Flickr: arbyreed



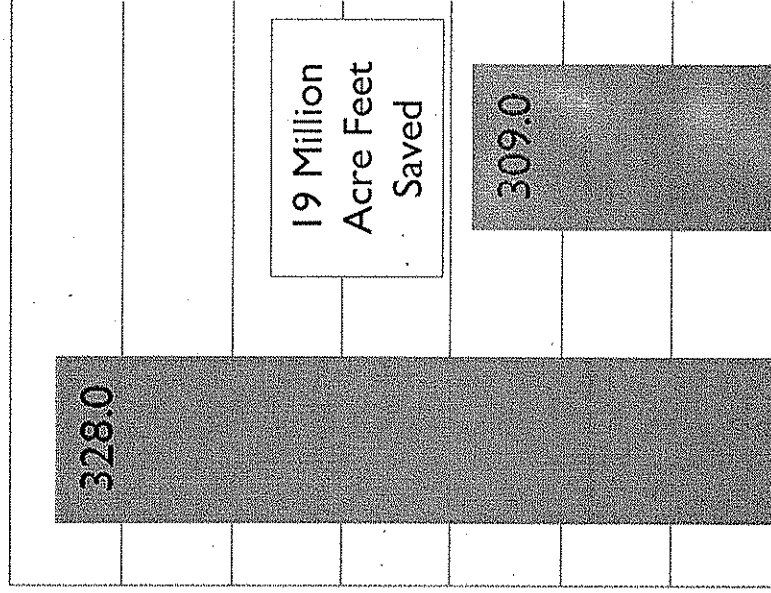
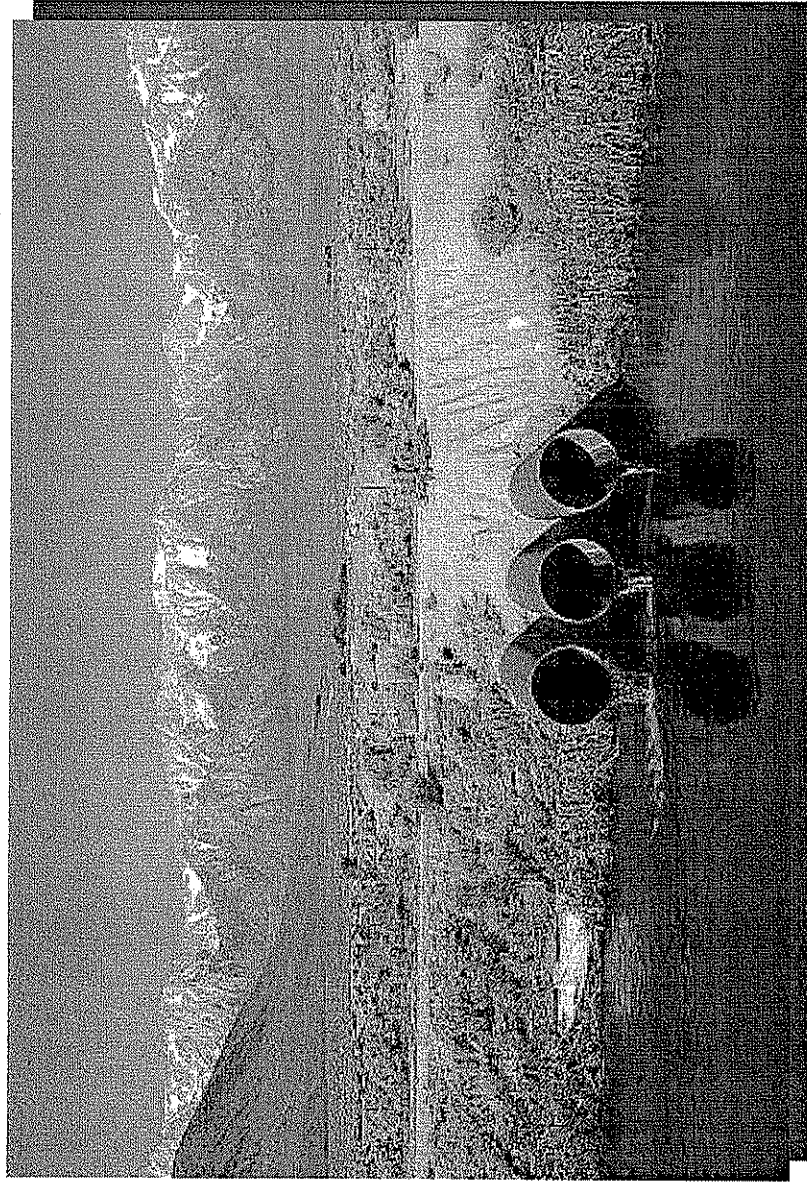
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Residential Water Use

Cumulative to 2050

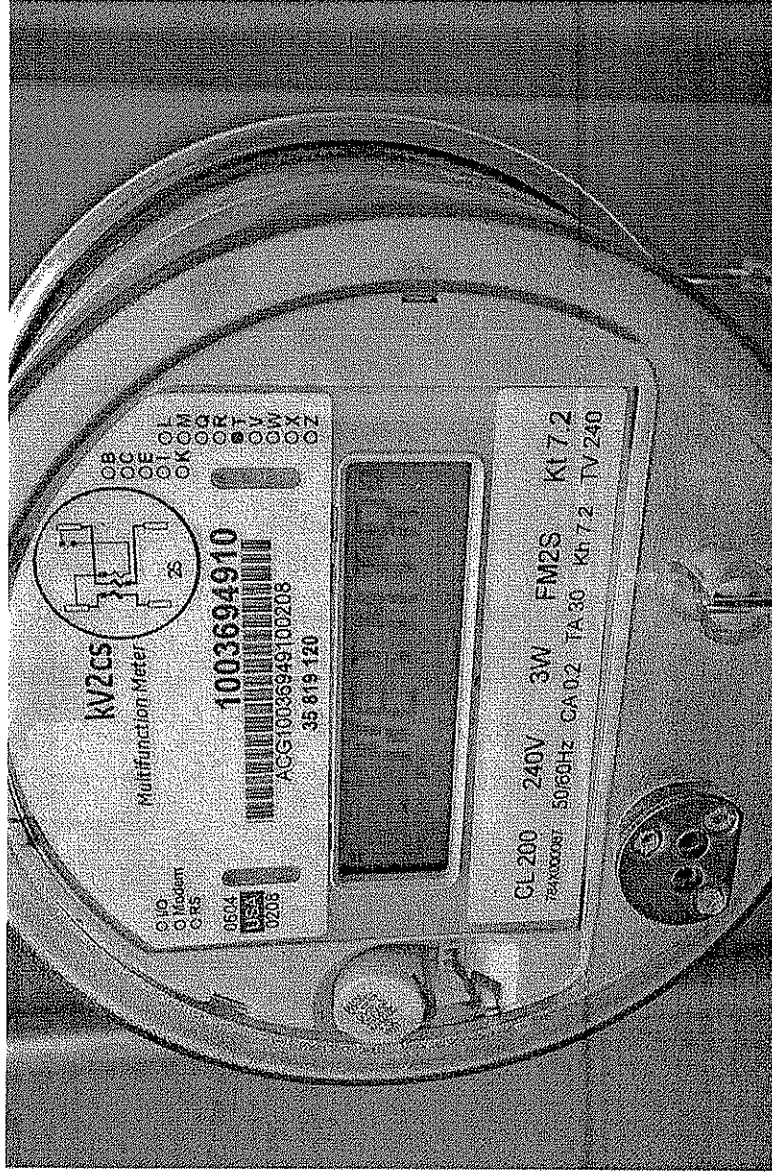
Water Savings Could Fill Hetch Hetchy 50 Times



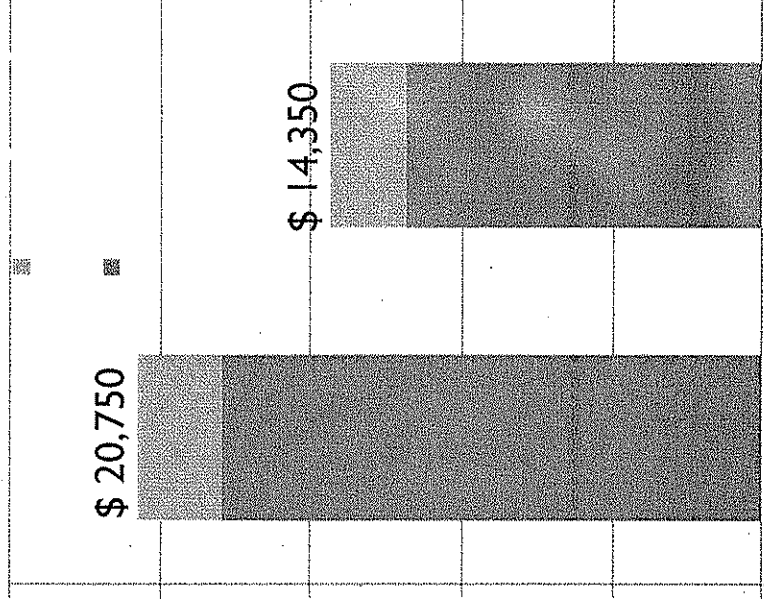
Annual Household Costs

Per Household Annual in 2050

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



Flickr: Diablo_Solar

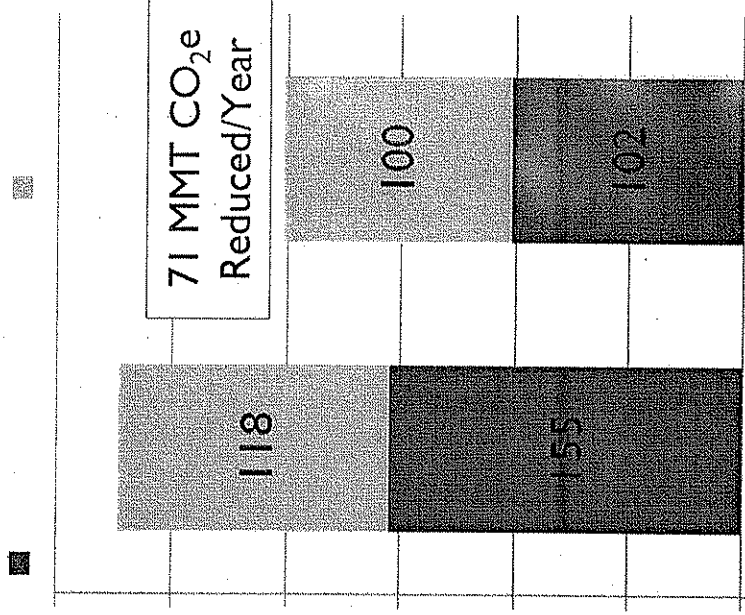


Greenhouse Gas Emissions

Annual in 2050

Emissions offset by 45,000 square miles of trees in a year.

A forest covering 1/4 of California.

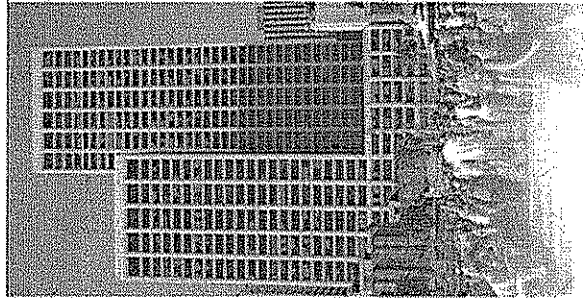


www.visioncalifornia.org

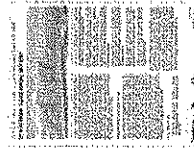
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