

CalSIM Supports California Policy Direction

California has passed several key laws and regulations over the last decade which have built upon existing State regulatory authorities for infrastructure investment, the environment and equity. State agencies and departments are responsible for implementation of these laws and a comprehensive and integrated economic model is needed to support their decision processes. CalSIM provides a unified coordination platform for various California State agencies to share assumptions and data and weigh important policy and investment decisions pertaining to infrastructure investment, climate change, mitigation/adaptation, public health, energy efficiency, and resource management in a coordinated and efficient fashion.

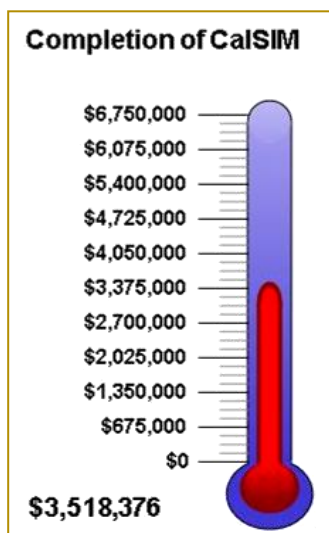
CalSIM combines the only statewide activity-based travel model in the United States with a land use and economic spatial model – measuring California’s economic development by land use zones, industry types, and household income.

What Does CalSIM Measure?

- ✓ **Cost/Benefits** of Infrastructure Investments
- ✓ **Travel** between California’s regions and counties
- ✓ Public **Health Policies** and Programs
- ✓ Clean **Air Policies** and Programs
- ✓ Economic **Development** Programs
- ✓ **Jobs/Housing** Proximity
- ✓ Various **Housing Policies** and Programs
- ✓ **Redevelopment** and Urban Infill Strategies
- ✓ Regional **Job Production** and Creation Programs
- ✓ **Habitat** and species protection strategies
- ✓ Preservation of **Agriculture** Areas

A Model for Policy Decisions

CalSIM will correspond with regional models throughout the state of California. Together they will demonstrate the capability of projecting the aggregate impact of state policies and investments on regions and the interaction of regional policy choices with statewide efforts thus serving as a national and international example of the power of using state and regional policy tools in a collaborative setting. This work between state and regional government in California has far-reaching applications. ULTRANS currently partners with Caltrans and offers modeling advice and support to California’s four major Metropolitan Planning Organizations (MPOs) and fourteen smaller Councils of Government (COGs). We seek to expand that cooperation to include multiple State agency partners in this ambitious effort to combine a host of relevant components of the land use system, including those related to transportation, resources and the economy throughout the state of California.



The project has been primarily funded through a partnership with California Department of Transportation, with additional support from the William & Flora Hewlett Foundation, the Surdna Foundation and the Rockefeller Foundation through 2010. Additional partnerships with state and regional agencies and all other interested parties are presently being sought to fund CalSIM calibration analysis, this comprehensive analysis is in **need of additional support in order to perform comprehensive policy scenario analysis.**

Sample Decision Support Benefits by State Agency

MAJOR STATE AGENCY BENEFICIARIES	STATUTORY AND REGULATORY AUTHORITY INFORMED BY CALSIM
Air Resources Board	<ul style="list-style-type: none"> • Air Quality Conformity • AB32: GHG Reduction • GHG and SCS (SB 375) targets and timing
Caltrans	<ul style="list-style-type: none"> • California Transportation Plan • Regional and Interregional “Blueprint” programs (SB 391)
CA Transportation Commission	<ul style="list-style-type: none"> • Program and Project Evaluation (or “STIP Development”) • RTP Guideline Update
Department of Water Resources	<ul style="list-style-type: none"> • Urban Water Management Plan • California Water Plan Update 2013
Department of Public Health	<ul style="list-style-type: none"> • California Active Communities • Health in All Policies • Long Term Major Facility Siting
California Energy Commission	<ul style="list-style-type: none"> • Utility and Transmission Line Siting • Energy Data and Inventories
Strategic Growth Council	<ul style="list-style-type: none"> • 5 Year Infrastructure Plan and the Governor’s Environmental Goals and Policy Report • Sustainable Community Planning, Modeling Incentives and Urban Greening Planning Grants
Office of Planning and Research	<ul style="list-style-type: none"> • CEQA Oversight General Plan Guidance • California 5-Year Infrastructure Plan
Department of Housing and Community Development	<ul style="list-style-type: none"> • Regional Housing Needs Assessment (RHNA) • Infill Incentive Grant Program
Office of the Attorney General	<ul style="list-style-type: none"> • AB 32 Legal Accountability
Department of Food & Agriculture	<ul style="list-style-type: none"> • Preservation of Agricultural Land
Department of Fish & Game	<ul style="list-style-type: none"> • Conservation of Habitat
California Department of Parks	<ul style="list-style-type: none"> • Provision of Parklands • Urban Forestry
California Resources Agency	<ul style="list-style-type: none"> • Oversight of Major Natural Resource Departments • Update of CEQA Guidelines
California High Speed Rail Authority	<ul style="list-style-type: none"> • Station Area Land Value and Development • Economic Stimulus Potential

ULTRANS Contact information:

Mike McCoy

Director

530-754-9171

mcmccoy@ucdavis.edu

Susan Handy

Deputy Director

530-752-5878

slhandy@ucdavis.edu

Caroline Rodier

Associate Director

530-754-6888

cjrodier@ucdavis.edu