CALIFORNIA CLIMATE STRATEGY

An Integrated Plan for Addressing Climate Change



VISION

Reducing Greenhouse Gas Emissions to 40% Below 1990 Levels by 2030

GOALS

50% reduction in petroleum use in vehicles



50% renewable electricity



) (

Double energy efficiency savings at existing buildings

Carbon sequestration in the land base



Reduce short-lived climate pollutants Safeguard California



Climate Change & Health

Human Health Impacts of Climate Change

Environmental Degradation

Forced migration, civil conflict, mental health impacts, loss of jobs and income

Extreme Heat

Heat-related illness and death. cardiovascular failure

Severe Weather

Injuries, fatalities, loss of homes, mental health impacts

Water & Food Supply Impacts

Malnutrition, diarrheal disease

Degraded Living Conditions & Social Inequities Exacerbation of existing social and health inequities and vulnerabilities

IMPACT OF CLIMATE

CHANGE ON HUMAN HEALTH & EXACERBATION OF EXISTING INEQUITIES

hantavirus, Rift Valley fever, Lyme disease, chikungunya, West Nile virus

Changes In Vector Ecology

Malaria, dengue, encephalitis,

Air Pollution & **Increasing Allergens**

Asthma, cardiovascular disease, respiratory allergies

Water Quality Impacts

Cholera, cryptosporidiosis, Campylobacter, leptospirosis, harmful algal blooms

SIava Teach Const.



Adapted from CDC, J. Patz

- Buiseasoul

Lemperatures

Rising

Levels

Cap-and-Trade Program

- Limits or "caps" on emissions
- Emissions permits "allowances" sold at quarterly auctions
- Proceeds from the sale of allowances
- "California Climate Investments" are coordinated investments that further State's climate goals and deliver economic, environmental and public health co-benefits.





CalEnviroScreen



- Science-based tool
- Uses 19 indicators of environmental, health and socioeconomic conditions
- Evaluates multiple pollution sources
- While accounting for a community's vulnerability to pollution

Pollution Burden

Population Characteristics

Exposures

Environmental Effects

Sensitive **Populations**

Socioeconomic **Factors**

























Toxic releases

from facilities



Pesticides







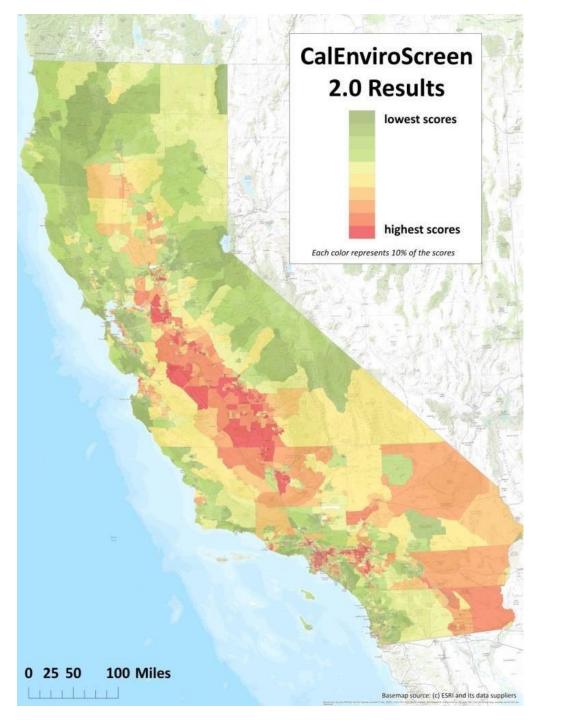




quality

Traffic density

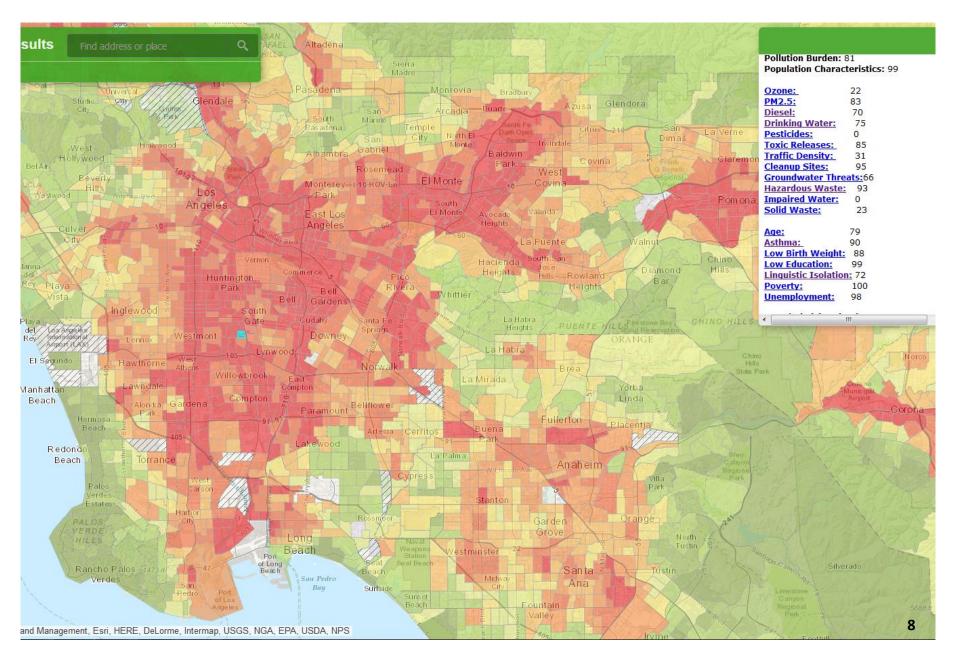
CalEnviroScreen



CALENVIROSCREEN RESULTS

STATEWIDE

Los Angeles





Fresno Awarded \$140m

Transformative Climate Communities Program

THIRD REVISION, DRAFT SCOPING GUIDELINES







UNE 2017



5 TRANSFORMATIVE REQUIREMENTS

- 1. Track + Monitor Emissions Reductions
- 2. Avoid Displacement of Existing Households + Small Businesses
- 3. Ensure Community Engagement
- 4. Leverage Funding
- 5. Climate Adaptation and Resiliency

Transformation In Action

Transformative Climate Communities

