

CalEPA
Headquarters,
Sacramento







Office of Environmental Health Hazard Assessment

Air Resources Board

CalRecycle

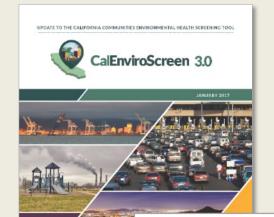
Department of Pesticide Regulation

Department of Toxic Substances Control

State Water Resources Control Board

Elihu M Harris Building, Oakland

What is CalEnviroScreen?



UPDATE TO THE CALIFORNIA COMMUNITIES ENVIRONMENTAL HEALTH SCREENING TOOL:

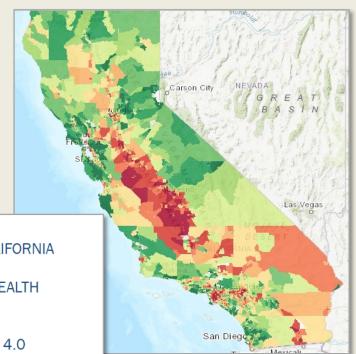
CALENVIROSCREEN 4.0

PUBLIC REVIEW DRAFT



February 2021





- Spatial analysis of relative burdens in California communities from pollution and population vulnerability
- 21 indicators combined into a single score
- Census tract scale
- Draft CalEnviroScreen 4.0 will be finalized soon.



CUMULATIVE IMPACTS;
BUILDING A SCIENTIFIC
FOUNDATION

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Cumulative Impacts Work Group CALIFORNIA COMMUNITIE
ENVIRONMENTAL HEALTH
SCREENING TOOL, VERSIC
[CALENVROSCEEN 1.1]
GUIDANCE AND SCREENING TOOL

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ENVIRONMENTAL HEALTH
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2010-2018

CalEnviroScreen
Public Versions
1.0 to 3.0
(4.0 draft)

California

EJ Statutes

1999-2000

Advisory
Committee
Recommendations
& CalEPA EJ
Action Plan

2004

2008-2013

Workshops and Consultation Processes

2013-2021

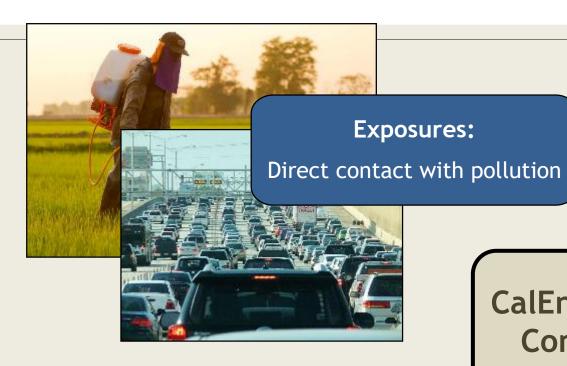


California Environmental Protection Agency

OCTOBER 2004 ENVIRONMENTAL JUSTICE ACTION PLAN







Environmental Effects:

Adverse environmental conditions caused by pollutants









Sensitive Populations:

Populations with physiological conditions that result in increased vulnerability to pollutants



Socioeconomic Factors:

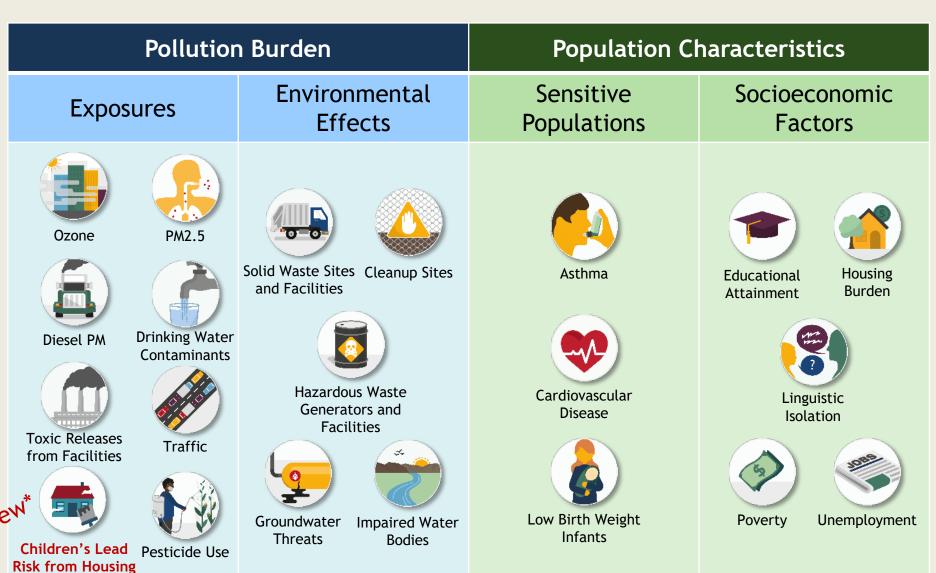
Community characteristics that result in increased vulnerability to pollutants



CalEnviroScreen Process



Draft CalEnviroScreen 4.0 Indicators



Data Sources







- California Environmental Protection Agency's Boards and Departments
 - California Air Resources Board
 - State Water Resources Control Board
 - Department of Toxic Substances Control
 - Department of Pesticide Regulation
 - CalRecycle
- US Environmental Protection Agency
- Office of Statewide Health Planning and Development
- California Department of Public Health
- US Census Bureau









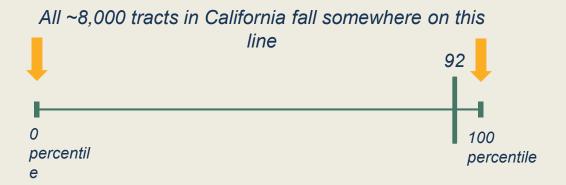


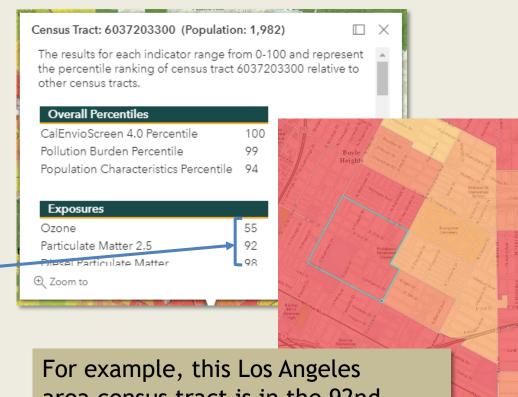




Indicator Scoring

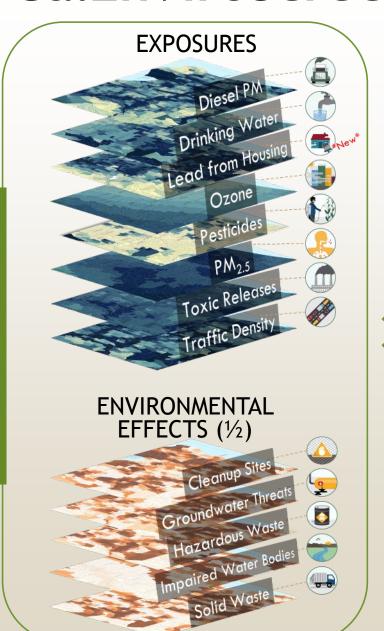
- Each census tract's raw indicator score is assigned a percentile value based on where it falls among values state-wide
- Percentiles represent relative scores for each of the 21 indicators

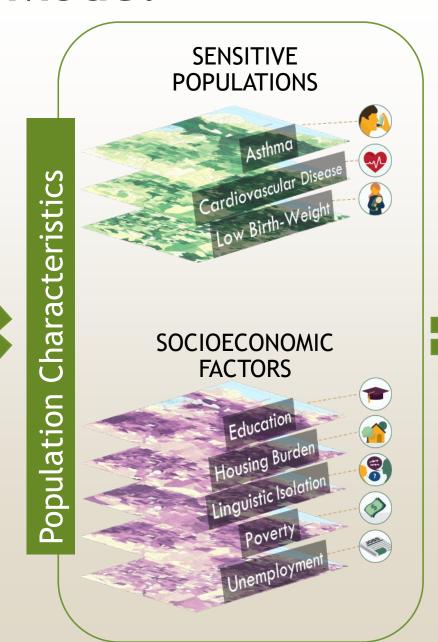




For example, this Los Angeles area census tract is in the 92nd percentile for PM2.5, meaning its value is higher than 92% of all other census tracts in California.

CalEnviroScreen Model



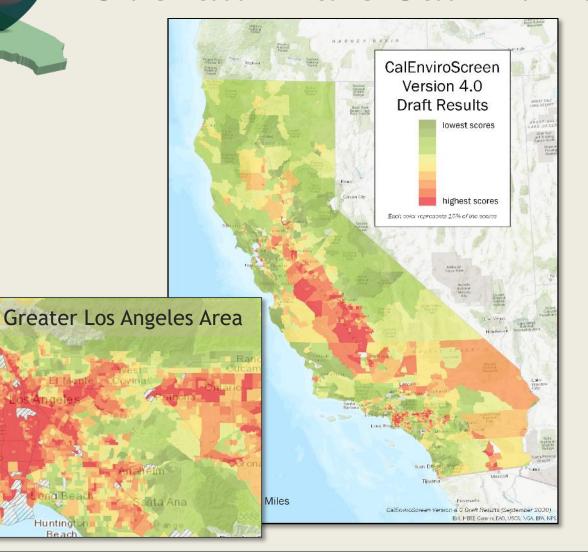






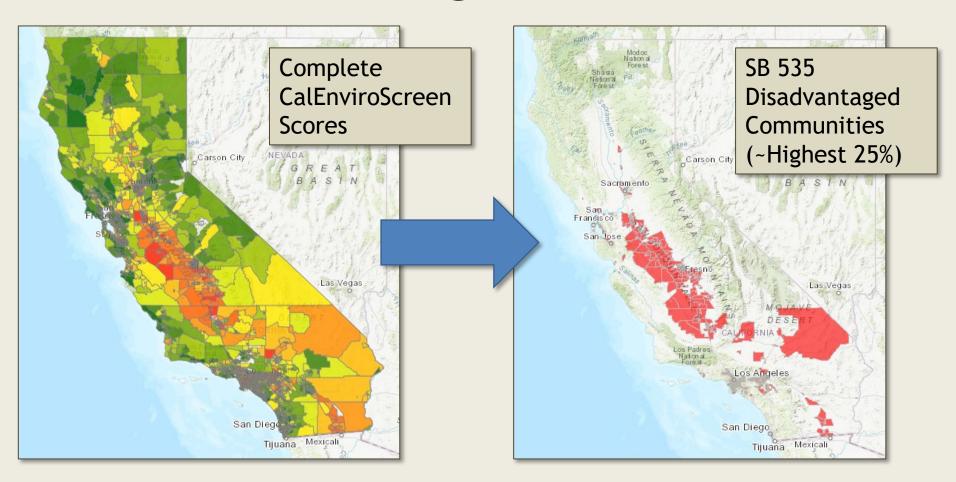


Overall Draft CalEnviroScreen 4.0 Results



- Highlights areas of the state with highest burdens and population vulnerability.
- Disproportionate high scores in Greater Los Angeles Area and the San Joaquin Valley.
- Broad similarity across versions of CalEnviroScreen.

CalEnviroScreen and the Designation of SB 535 "Disadvantaged Communities"



CalEnviroScreen Uses

External grant & investment programs

CalEPA grant & investment programs

EJ in City/County General Plans (SB 1000; 2016)



Disadvantaged Communities (SB 535; 2012)

Uses In Government Statutes Community Air Protection (AB 617; 2017)

Research

initiatives



HGB EnviroScreen

TowAPCIS Social vulnerability Bacetine Health Exposures & Risks Pollution Sources Fooding

All Layors

An other

Cal. Climate Investments Administering Agencies

A model for other regions

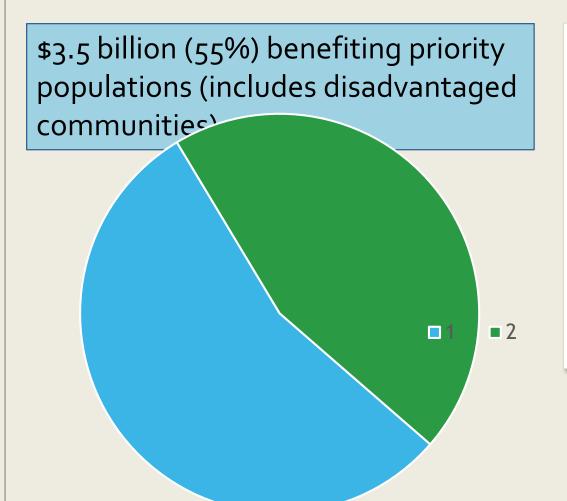
Hazardous Waste Facilities (SB 673; 2015)

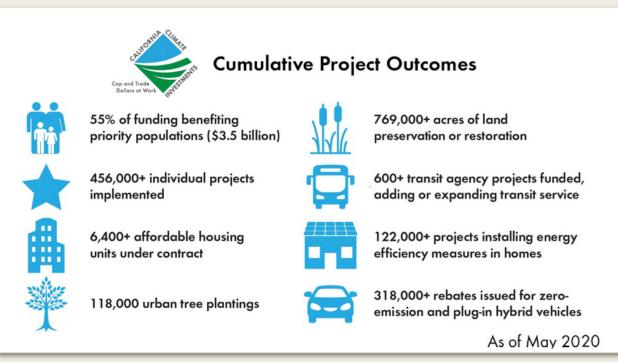
Local Resident – 30% of journey level hours	Tier 1 Local Residents and Tier 2 Local Residents.
New Apprentice – 40% of apprentice hours	A Local Resident who first enrolled in a state-registered apprenticeship program at time of commencement of Project Work, or within 12 months prior to commencement of project work.
Tier 1 Local Resident	A person residing in the City of Fresno and in the top 5% of disadvantaged communities per CalEnviroScreen 2.0. (See attached map.)
Tier 2 Local Resident	A person residing in Fresno County or Madera County and in the top 5% of disadvantaged communities per CalEnviroScreen 2.0. (See attached map.)

Prioritizing hiring

Other Uses

SB 535 & AB 1550 Outcomes

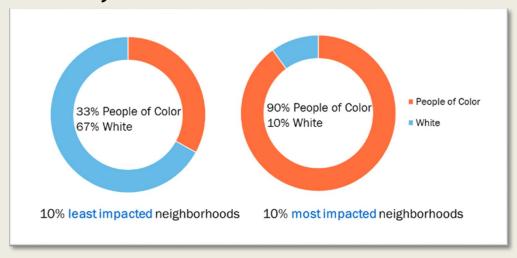




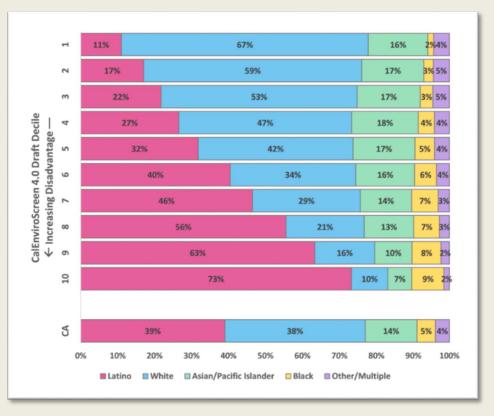


Race/Ethnicity Preliminary Analysis

Race in the least and most impacted census tracts by draft CalEnviroScreen 4.0 decile



Racial makeup of each decile of draft CalEnviroScreen 4.0 scores



Online Resources

- CalEnviroScreen website
 - https://oehha.ca.gov/calenviroscreen/
 - Reports, mapping tool, data sets
 - Public workshop and webinar notices
- Program email
 - CalEnviroScreen@oehha.ca.gov



