### CalEnviroScreen

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# **Science to Support Decision-Making**



BIOM NITORING CALIFORNIA



Air Toxics



tu comunidad

y tu salud



Indicators of **Climate Change** in California

Governar Governar Matthew Rodriguez









PROPOSITION your right to kno

advisory levels



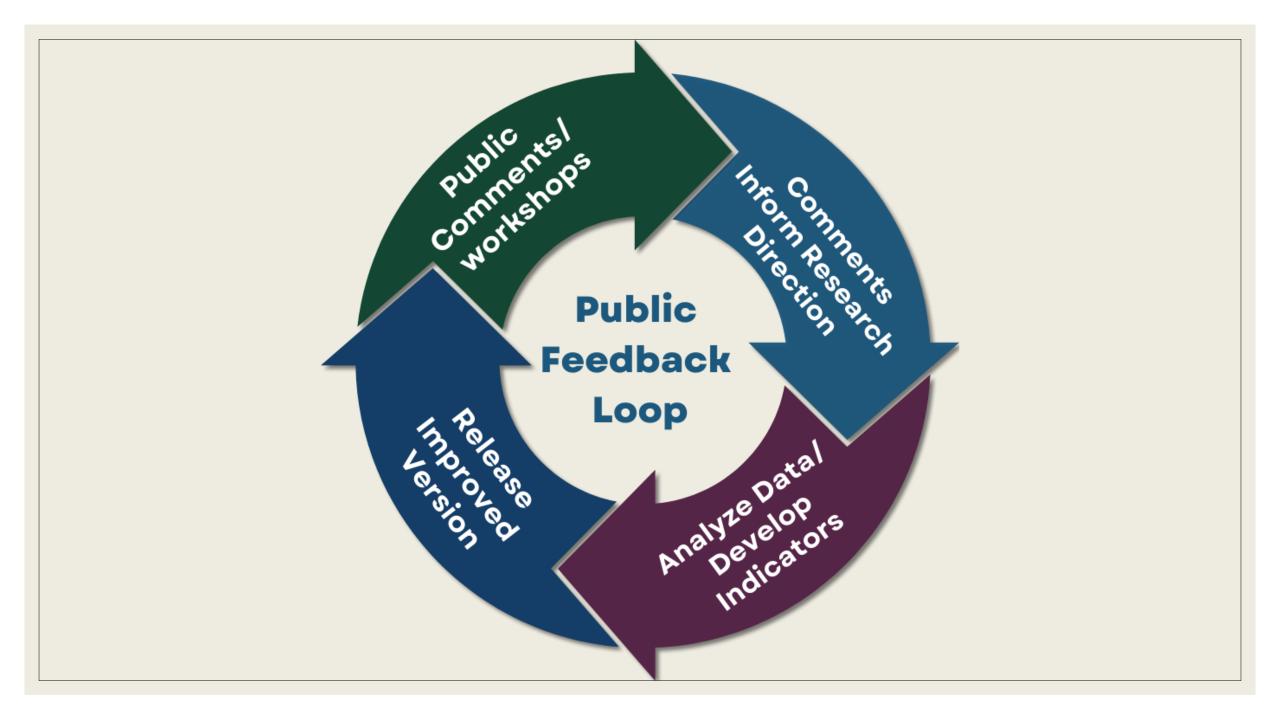
# CalEnviroScreen 4.0

- Environmental Justice Screening Method and Tool: Cumulative analysis of relative burdens in California communities from pollution and population vulnerability
- Geographic focus: 21 indicators combined into a single score at the census tract scale
- Identifies California communities that are most affected by many sources of pollution, and where people are especially vulnerable to the effects of pollution
- $\,\circ\,$  Version 4.0 was released in 2021

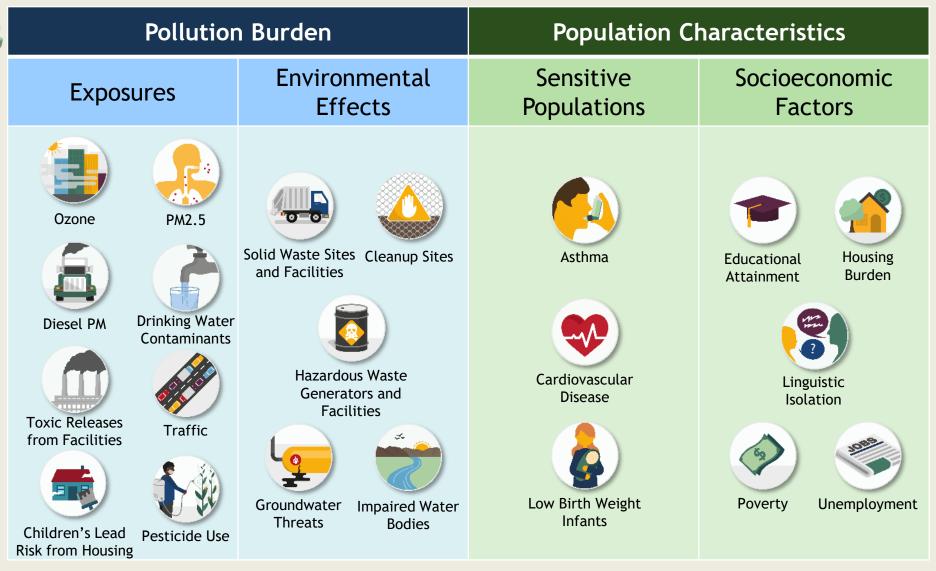
### What are cumulative impacts?

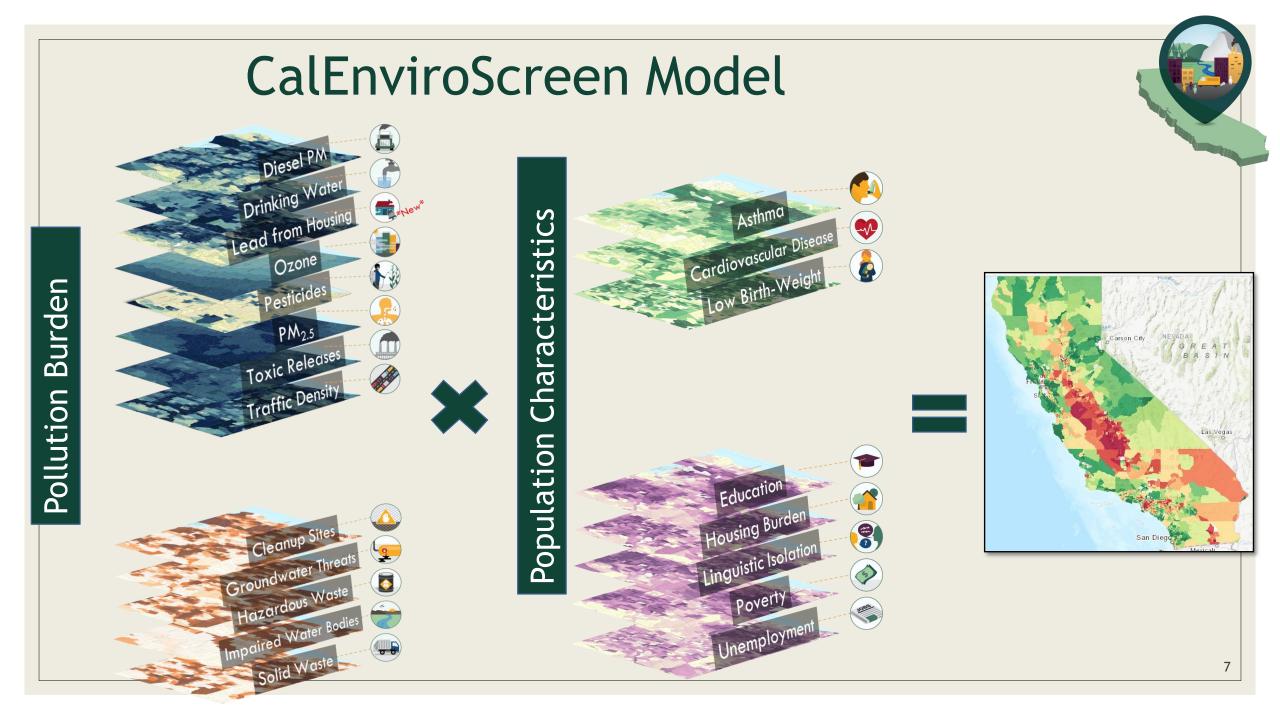
"Cumulative impacts means exposures, public health or environmental effects from the combined emissions and discharges, in a geographic area, including environmental pollution from all sources, whether single or multi-media, routinely, accidentally, or otherwise released. Impacts will take into account sensitive populations and socioeconomic factors, where applicable and to the extent data are available."

CalEPA Interagency Working Group on Environmental Justice (2005)

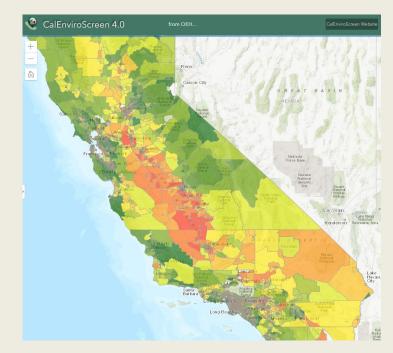


## CalEnviroScreen 4.0 Indicators



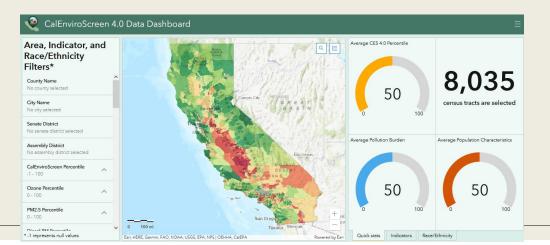


### **CalEnviroScreen Interactive Products**





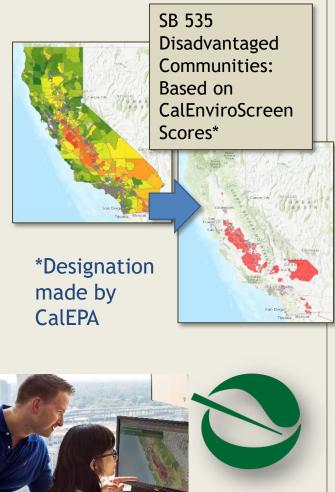




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## Uses of CalEnviroScreen

- In State Government
  - Training opportunities
  - To designate disadvantaged communities (DACs)\* for investments from Greenhouse Gas Reduction Fund
  - To support identification of enforcement priorities
  - To consider cumulative impacts in DTSC permitting hazardous waste facilities (SB 673)
  - To support CARB's identification of communities for air pollution reduction (AB 617)
  - Public Utilities Commission and Energy Commission: funding prioritization tool
  - CA Natural Resources Agency: equity decision support layer
  - Local use: integrating EJ element into city general plans (SB 1000)



### SB 535 Disadvantaged **Communities** (May 2022)

- Top 25 percent of overall scores in CalEnviroScreen 4.0
- Top 5 percent of CalEnviroScreen 4.0 cumulative pollution burden scores (but with no scores in CalEnviroScreen 4.0)
- 2017 DAC designated tracts, regardless of their scores in CalEnviroScreen 4.0
- Lands under the control of **federally** recognized tribes.



#### SB 535 Disadvantaged Communities (2022 Update)

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San Rafael

California Climate Investments are funds (Greenhouse Gas Reduction Fund and appropriated by the Legislature) from the proceeds of the State's Cap-and-Trade Program specifically targeted for investment in disadvantaged communities in California. These funds must be used for programs that further reduce emissions of greenhouse gases.

Senate Bill 535 (De León, Statutes of 2012) directed that at least a guarter of the proceeds go to projects that provide a benefit to disadvantaged communities and at least 10 percent of the funds go to projects located within those communities. The legislation gives CalEPA the responsibility for identifying those communities.

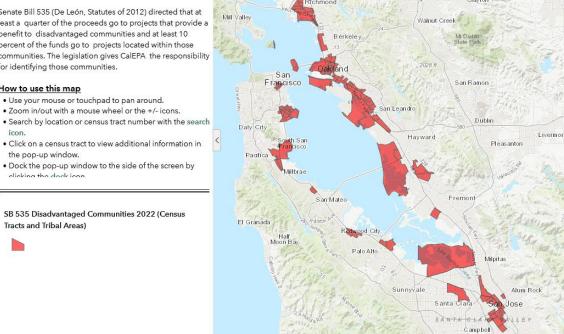
#### How to use this map

the pop-up window

clicking the dock icon

Tracts and Tribal Areas)

icon



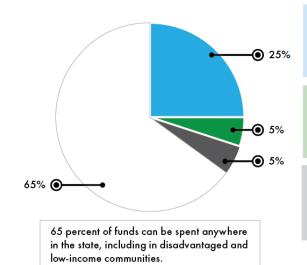
CalEPA SB 535 Pag

SB 535 Disadvantaged Communities

2022 (Census Tracts and Tribal Areas)

Brentwood

Per SB 535 and AB 1550, California Climate Investments must be allocated, at minimum, as follows:



A minimum of 25 percent of the proceeds be invested in projects that are located within and benefiting individuals living in disadvantaged communities;

An additional minimum of 5 percent be invested in projects that are located within and benefiting individuals living in low-income communities or benefiting low-income households statewide; and

An additional minimum of 5 percent that are located within and benefiting individuals living in low-income communities, or benefiting low-income households, that are within a ½ mile of a disadvantaged community.

## California Climate Investments

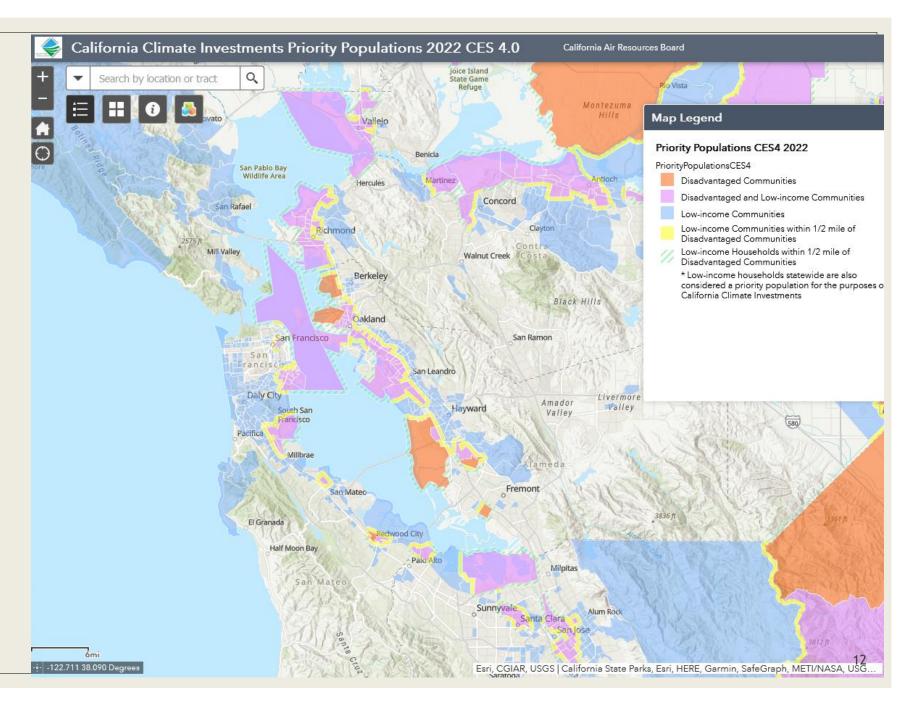
#### **Benefits to Priority Populations**

Per statute, a minimum of 35 percent of California Climate Investments must benefit priority populations, which include disadvantaged communities and low-income communities and households across the state per Senate Bill 535 (De León Chapter 830, Statutes of 2012) and Assembly Bill 1550 (Gomez, Chapter 369, Statutes of 2016).

Cumulatively, 50 percent, or \$5.2 billion, of implemented California Climate Investments project funding is benefiting priority populations, greatly exceeding the statutory minimums. To view a more detailed analysis, visit the *Priority Populations* webpage on the California Climate Investments website. 50% Benefiting priority populations (\$5.2 billion)

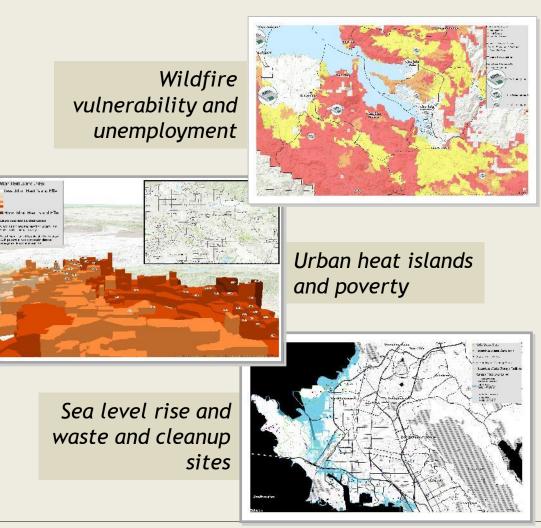
Cumulative Benefits to Priority Populations

50% Benefiting other areas of California Priority Populations (SB535 DACs + AB1550 Low-Income Communities)



## CalEnviroScreen and Climate Change

- Indicators of climate change and climate change vulnerability are not included in CalEnviroScreen.
- CalEnviroScreen and its indicators have been related to various climate change metrics.
  - Wildfire vulnearbility tool coming out soon (separate from CES)
- California agencies with relevant work:
  - <u>Climate Change and Health Vulnerability</u> <u>Indicators</u> (California Department of Public Health)
  - Integrated Climate Adaptation and Resiliency Program, Climate Vulnerable Communities (Governor's Office of Planning and Research)
    - Plan to develop a centralized place to host indicators to assess climate vulnerability



# Next Steps and Resources

 Evaluating Change: working to develop methods to measure trends in CalEnviroScreen data

 OEHHA Evaluates benefits and impacts of climate change policies in disadvantaged communities. E.g., "What are the trends in stationary source GHG emissions in DACs vs. non-DACs? <u>https://oehha.ca.gov/environmental-justice/report/ab32-benefits</u>

 From DWR: Disadvantaged Communities Nomenclature Within the State of California: Findings and Conclusions

<u>https://tinyurl.com/48knbufc</u>

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