

# Local Energy Resources Network



## Meeting 4

January 11, 2022

*Let's LERN Together – Featuring a  
Conversation with Cal EPA's Office of  
Environmental Health Hazard  
Assessment*



# Welcome!

## Purpose

Interactive 1-hour meetings designed to be a regular space where local governments - and those who work with them - can help each other learn about (and possibly inform) available opportunities to advance their energy and climate goals.

## TODAY'S AGENDA

- Opportunity Roundtable + Spotlight
- Featured Discussion:  
Regional Climate Collaboratives (Strategic Growth Council)
- Ask the BPC





# Opportunity Roundtable

## Opportunities for...

1

### Funding

- [DWR: Urban + Multibenefit Drought Relief Program](#) (1/14/22)
- [CDFA: Water Efficiency Technical Assistance Program](#) (1/19/22)
- [CEC: Rural Electric Vehicle \(REV\) Charging Solicitation](#) (3/11/22)
- **COMING SOON:**
- [OPR: Community Economic Resilience Fund](#) NOFA (Feb 2022)
- [SGC: Transformative Climate Communities](#) NOFA (Feb 2022)
- [SGC: Regional Climate Collaborative NOFA](#) (Spring 2022)

2

### Other Assistance

- [Statewide Reach Codes Program](#) - webinar series for reach code newcomers (upcoming)

3

### Input

- [CARB Local Actions Appendix Listening Sessions](#) (Feb TBD)
- [SGC Affordable Housing and Sustainable Communities Survey](#) (2/5/22)

## On the horizon...

- *Affordable Housing and Sustainable Community Projects (\$780M)*
- *Transformative Climate Communities (\$420M)*
- *Regional Climate Collaboratives (\$20M)*
- *Community Economic Resilience Fund – High Road programs (\$600M)*
- *Community Resilience Centers (\$200M)*
- *Low Income Weatherization (\$50M)*
- *Urban Greening (\$250M)*
- *Congressional infrastructure and spending packages*



# Opportunity Spotlight

## CEC: Rural Electric Vehicle (REV) Charging Solicitation

- **Eligible applicants:** all public and private entities (engagement with local CBOs encouraged)
- **Minimum award** = \$500,000
- **Maximum award** = \$1,600,000
- **Competitive** grant solicitation
- **Purpose:** Projects for rural residents that will:
  - Demonstrate replicable and scalable light-duty electric vehicle (EV) charging business and technology models
  - Increase EV charging access
  - Support electric miles traveled and enable greater EV adoption
- **Solicitation materials:**  
<https://www.energy.ca.gov/solicitations/2021-12/gfo-21-604-clean-transportation-program-rural-electric-vehicle-rev-charging>



### Solicitation Process



### Distribution of Funding

Project Region	Counties	Available Funding per Region
North	Butte, Colusa, Del Norte, Glenn, Humboldt, Lake, Lassen, Mendocino, Modoc, Nevada, Plumas, Shasta, Sierra, Siskiyou, Tehama, Trinity	\$1,600,000
Central	Alpine, Amador, Calaveras, El Dorado, Fresno, Inyo, Kings, Madera, Mariposa, Merced, Mono, Placer, San Joaquin, Stanislaus, Sutter, Tulare, Tuolumne, Yolo, Yuba	\$1,600,000
South	Imperial, Kern, Monterey, Riverside, San Benito, San Bernardino, San Luis Obispo, Santa Barbara, Ventura	\$1,600,000

Certain counties and cities are ineligible locations under this solicitation.



# Featured Guests



Research Scientist  
**Walker Wieland**



Research Scientist  
**Laura August**





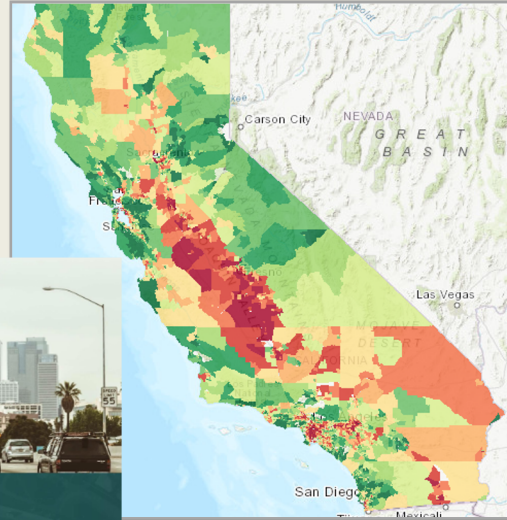
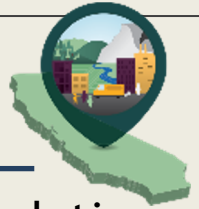
# CalEnviroScreen 4.0 LERN

Office of Environmental Health Hazard Assessment  
California Environmental Protection Agency  
January 11, 2021





# What is CalEnviroScreen?



- Geographic analysis of relative burdens in California communities from pollution and population vulnerability
- 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





**POLLUTION  
BURDEN**

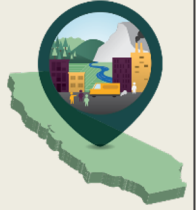
**CalEnviroScreen**






















**VULNERABILITY**

# CalEnviroScreen Process



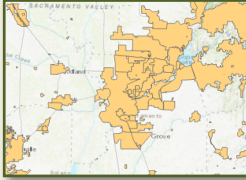
# CalEnviroScreen 4.0 Indicators



Pollution Burden		Population Characteristics	
Exposures	Environmental Effects	Sensitive Populations	Socioeconomic Factors
 Ozone	 PM2.5		
 Diesel PM	 Drinking Water Contaminants	 Solid Waste Sites and Facilities	 Cleanup Sites
 Toxic Releases from Facilities	 Traffic	 Hazardous Waste Generators and Facilities	
 *New* Children's Lead Risk from Housing	 Pesticide Use	 Groundwater Threats	 Impaired Water Bodies
		 Asthma	 Educational Attainment
		 Cardiovascular Disease	 Housing Burden
		 Low Birth Weight Infants	 Linguistic Isolation
			 Poverty
			 Unemployment



# CalEnviroScreen 4.0 Indicator Major Updates



Updated contaminants and service boundaries for the **Drinking Water** indicator



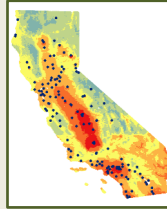
Incorporation of additional pesticides in the **Pesticide Use** indicator



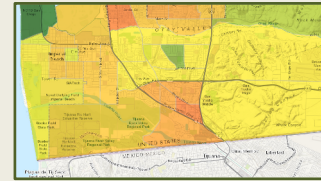
Addition of dairies and feedlots to the **Groundwater Threats** indicator



Addition of chrome metal plating facilities to the **Hazardous Waste** indicator



Improvements in the methodology for **PM 2.5** and **Diesel PM** indicators



Incorporates better data at the **California-Mexico** border



# New Indicator: Children's Lead Risk from Housing

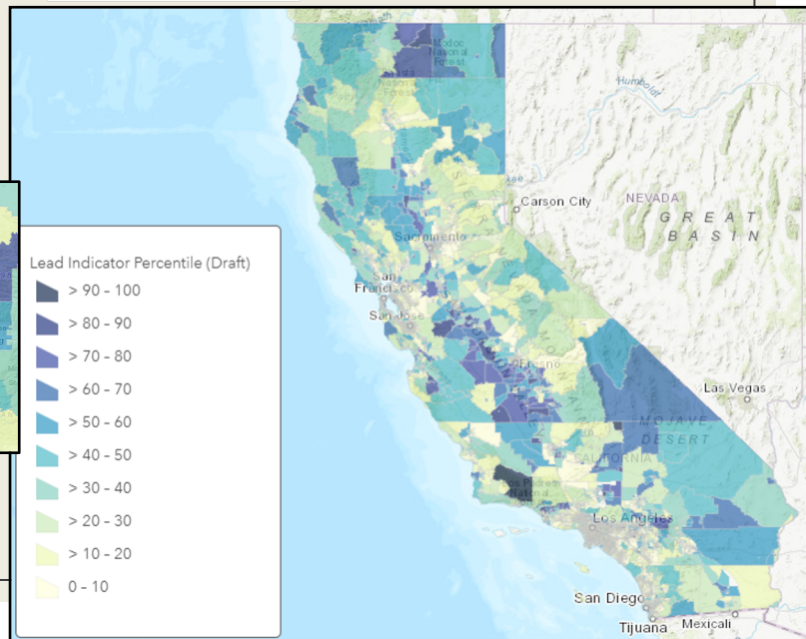
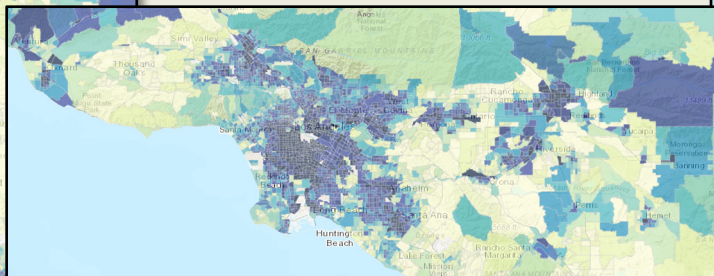
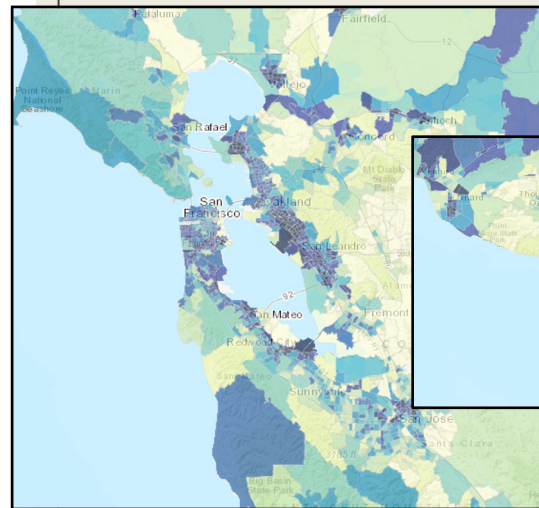
Percent of Homes  
with Likelihood of  
LBP Hazards  
Percentile  $\times 0.60$



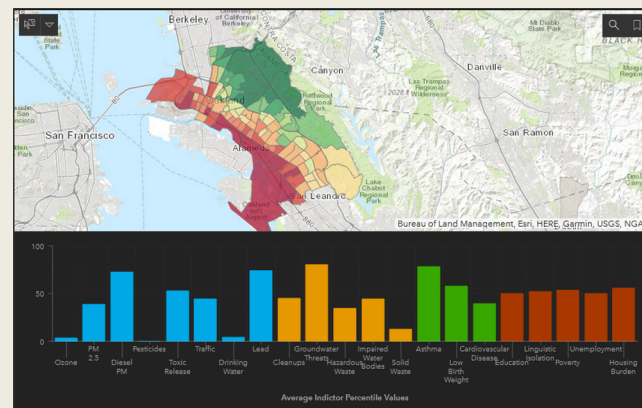
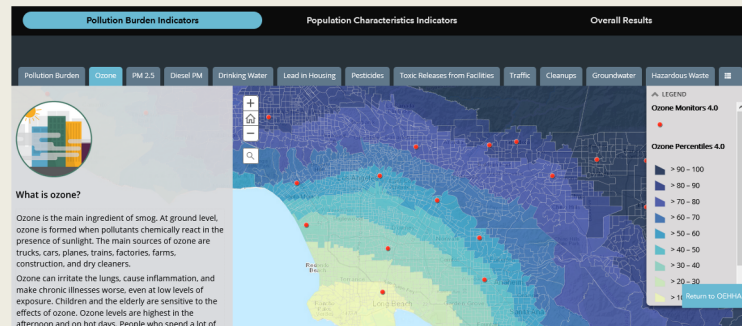
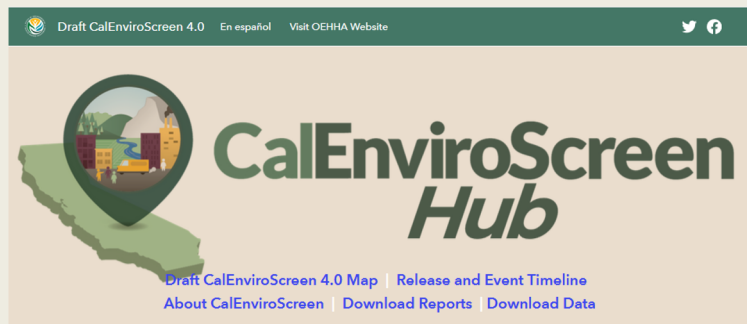
Low-Income  
Households with  
Children Percentile  
 $\times 0.40$



Final Lead Risk  
from Housing  
Score



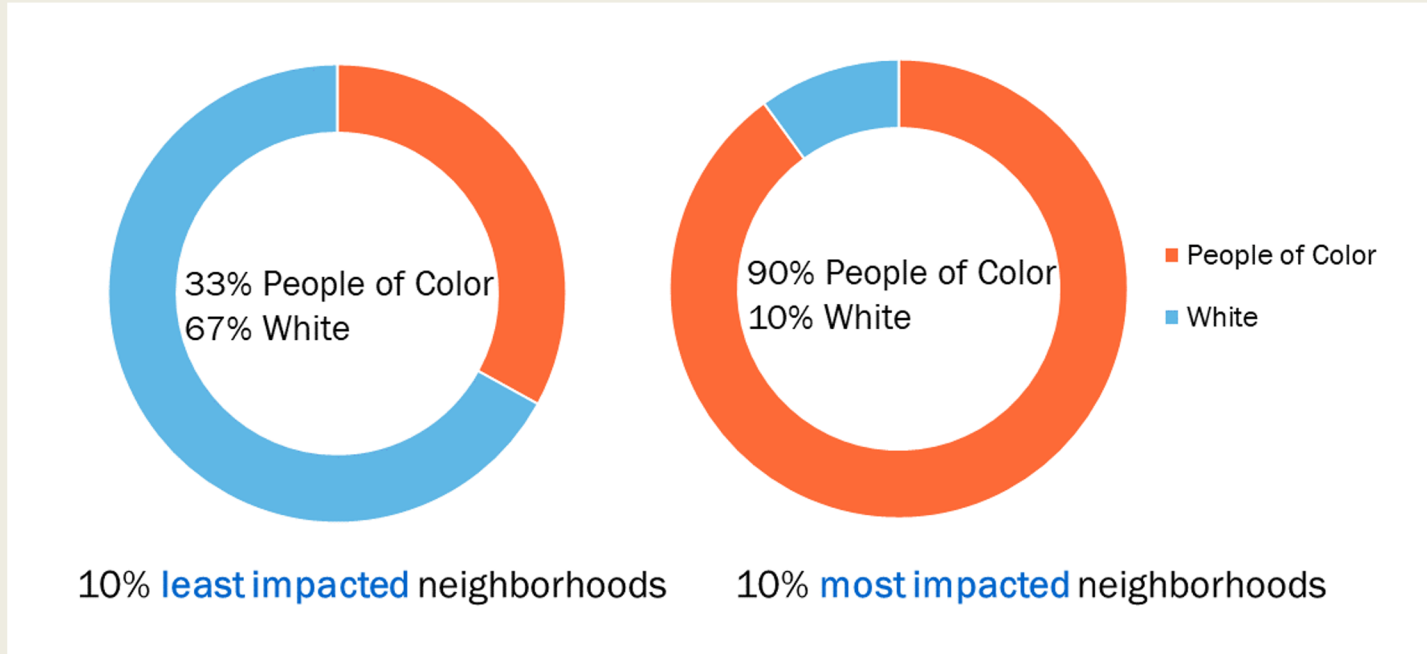
# CalEnviroScreen Interactive Products



# Inequitable Distribution of Burden

## CalEnviroScreen 4.0 Draft Data

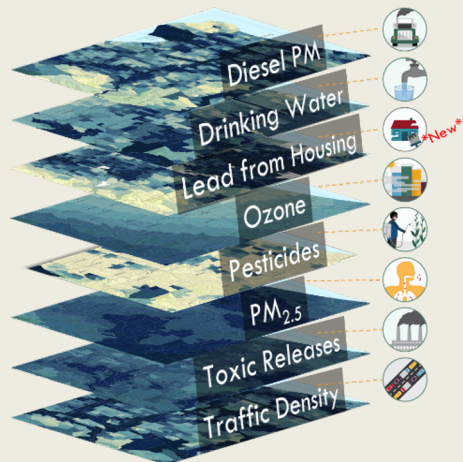
Race in the least and most impacted census tracts by draft CalEnviroScreen 4.0 decile



# CalEnviroScreen Model

Pollution Burden

## EXPOSURES

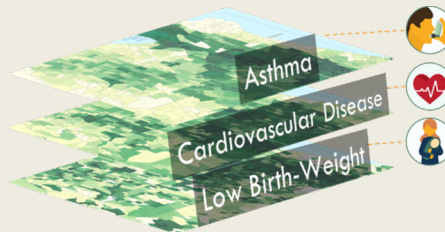


## ENVIRONMENTAL EFFECTS (½)

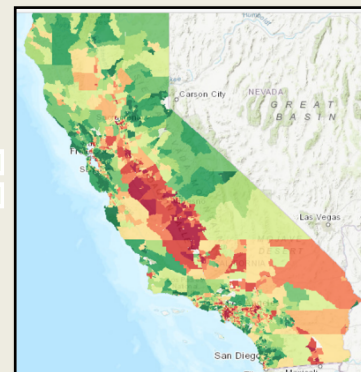


Population Characteristics

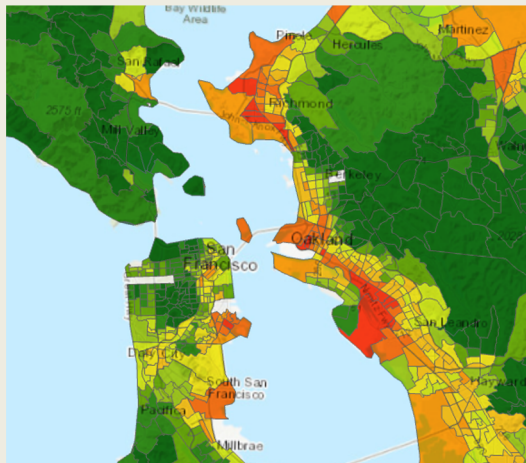
## SENSITIVE POPULATIONS



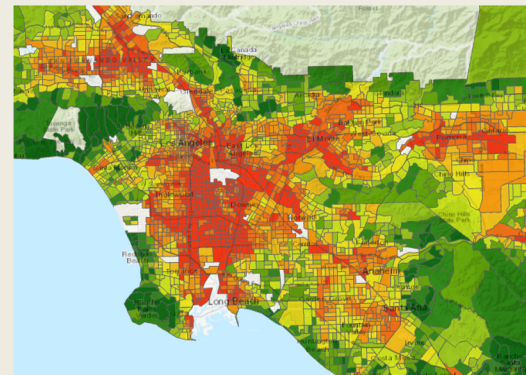
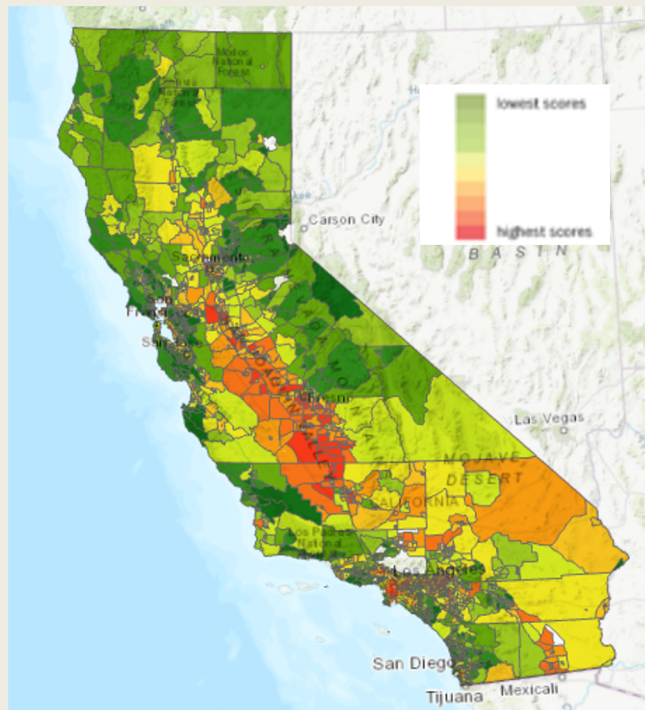
## SOCIOECONOMIC FACTORS





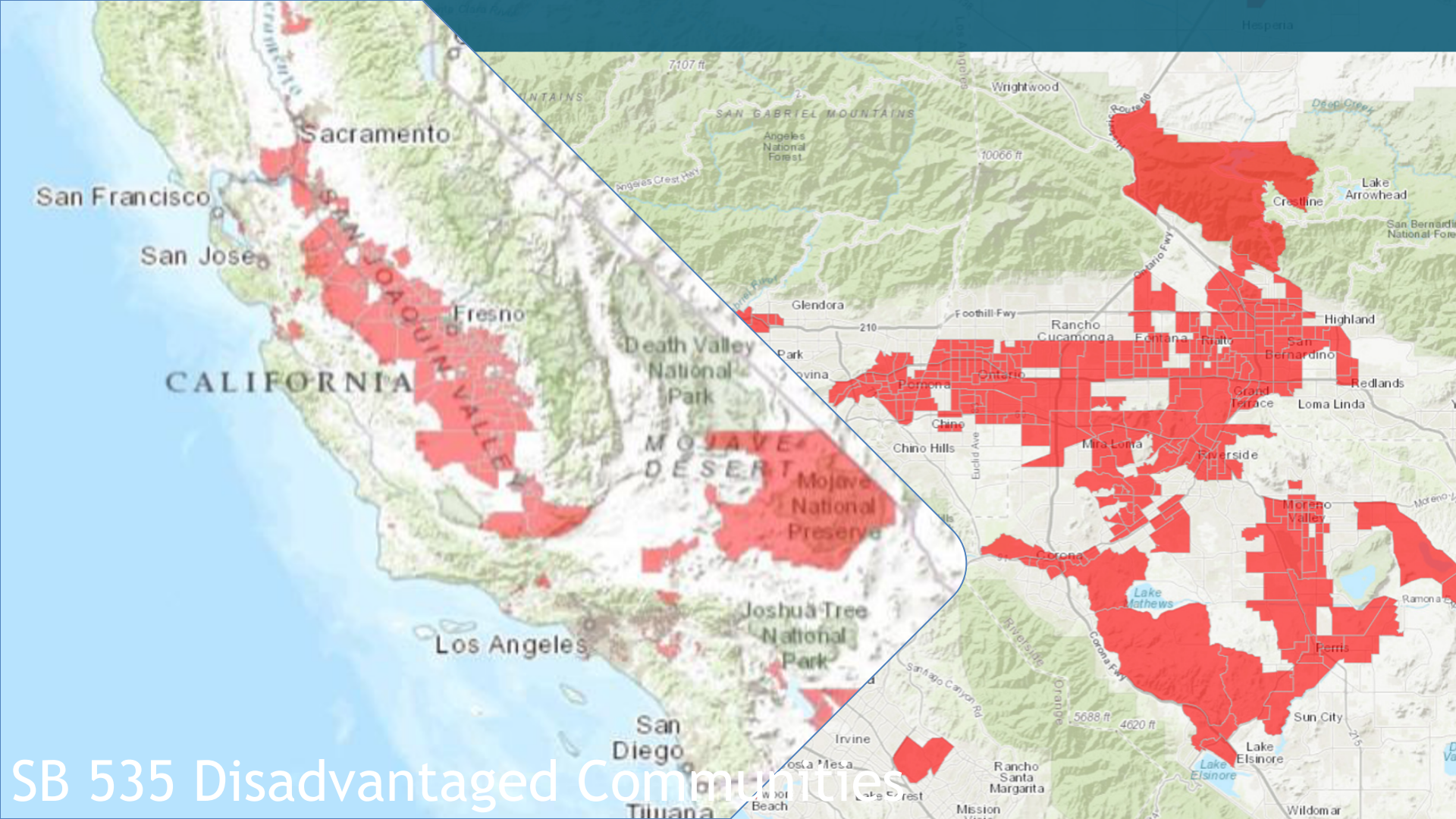


SF Bay  
Area



Los Angeles  
Area

# CalEnviroScreen 4.0 Result Maps Demo



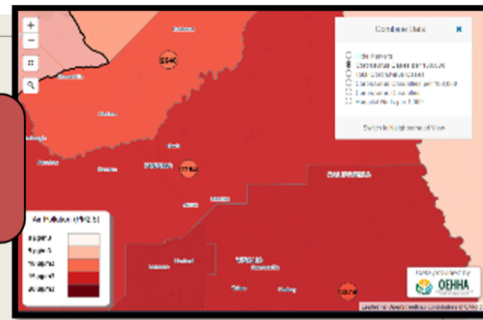
SB 535 Disadvantaged Communities

# Other Uses

External Grant & Investment Programs (e.g., CPUC)

SB535/AB1550 (CalEPA/ CARB)

Research Initiatives



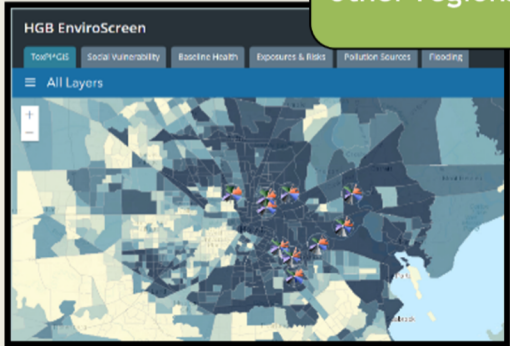
## Uses In Government Statute

SB 1000 (local jurisdictions)

AB 617 (CARB)

A model for other regions

Prioritizing Hiring



All GGRF/CCI administering agencies

SB 673 (DTSC)

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.)

Internal Grant & Investment Programs (e.g., CalRecycle)





# Questions?

***Submit any questions in the chat!***

# *Ask the BPC!*

Add questions or requests to the chat, raise your hand, or email [ahacker@lgc.org](mailto:ahacker@lgc.org)





# CCEC Serves Local Needs



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[Best Practice Database](#)



[Interviews and Case Studies](#)

# Local Energy Resources Network



## *What's Next?*

- Next meeting **February 8, 2022**
- Share [invitation](#) with others
- What agencies or programs would you like to invite to an upcoming LERN discussion?