



SB 379 Implementation

Opportunities to Align Climate Adaptation and Environmental Justice in General Plans

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Climate Adaptation and Resilience

State policy and legislation

- EO B-30-15 – climate considerations in all state investment and planning decisions, entities under Executive Branch
- **SB 379 – Incorporate climate considerations in Safety element of General Plans**
- **SB 246 – Integrated Climate Adaptation and Resilience Program (ICARP), OPR**
- AB 1482 – Safeguarding update every three years , CNRA
- AB 2800 – Climate-Safe Infrastructure Working Group, CNRA
- Additional bills under consideration (fire, insurance, etc.)...



SB 379: Safety Element

- **Climate change adaptation is now required in Safety Elements**
 - Does not preclude incorporation in other elements
 - Encourages cross-linkages and co-benefits
- **Some distinct actions:**
 - Review existing plans (gap analysis)
 - Assess community vulnerability
 - Create a set of goals, policies and objectives
 - Create a set of “feasible” implementation measures
 - Implement measures/align other plans



SB 379: Safety Element Resources

cal-adapt

TOOLS DATA RESOURCES BLOG ABOUT HELP

Exploring California's Climate Change Research

Cal-Adapt provides a view of how climate change might affect California. Find tools, data, and resources to conduct research, develop adaptation plans and build applications.



Annual Averages

Extreme Heat Days & Warm
Nights

Cooling Degree Days & Heating
Degree Days

Snowpack

Sea Level Rise - CalFloD-3D

Wildfire

Streamflow

Extended Drought Scenarios

<http://cal-adapt.org/>



SB 379: Safety Element Resources

Adaptation Clearinghouse

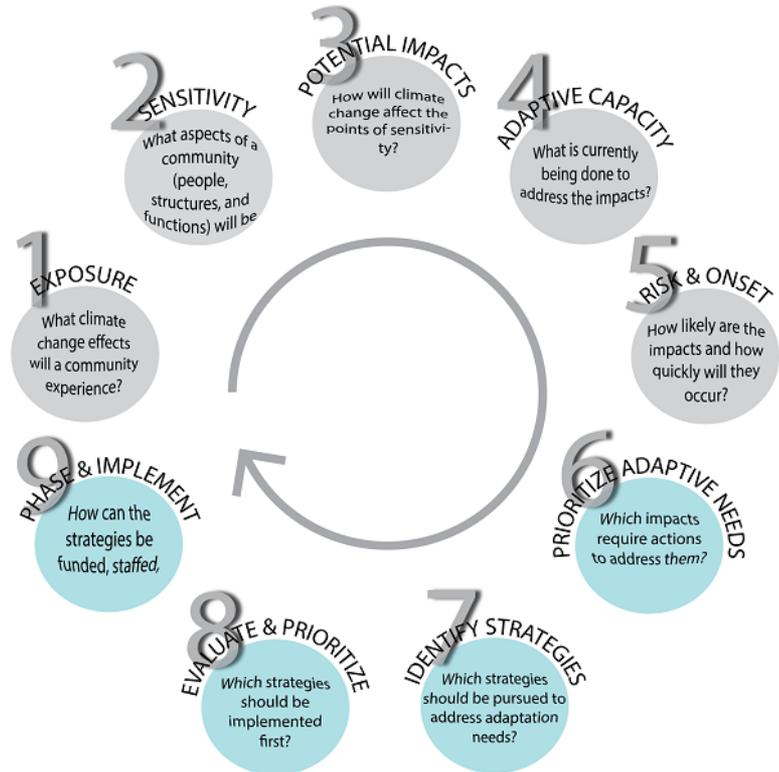
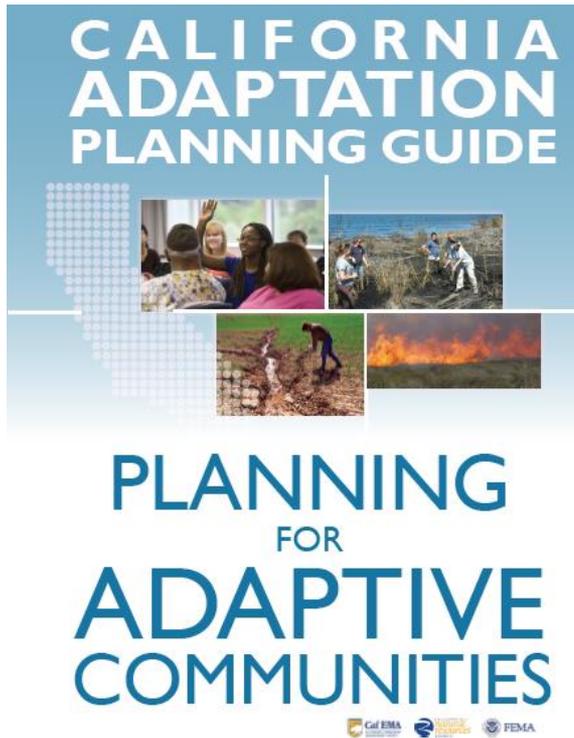
Explore the clearinghouse database to find resources on climate adaptation and resiliency efforts in California

Search for Resources

<https://resilientca.org/>



SB 379: Safety Element Resources



Update in progress – anticipated completion early 2020



SB 246: Integrated Climate Adaptation and Resiliency Program (ICARP)

Purpose

Coordinate state, tribal, local, and regional activities with a focus on **local implementation**

Cross-cutting objectives

Advance **equity and environmental justice**

Support an **integrated** approach to climate change (adaptation and mitigation)

Programmatic elements

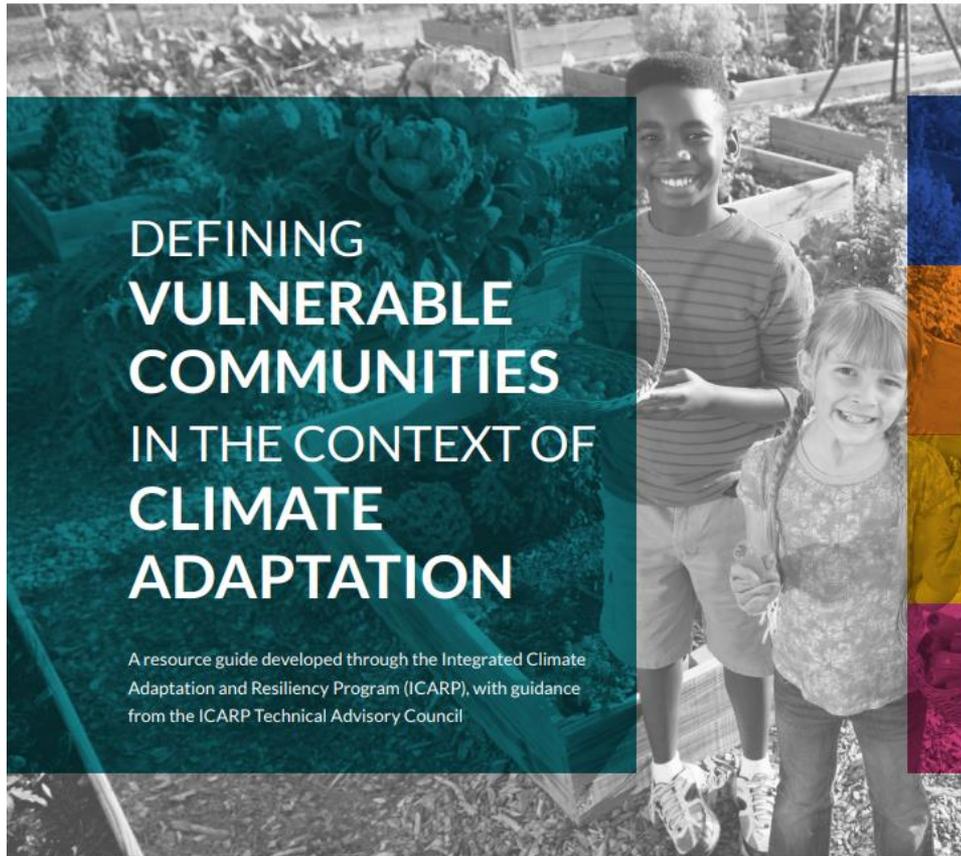
Adaptation Clearinghouse

Technical Advisory Council



Defining Vulnerable Communities

ICARP



Resource Guide for Defining Vulnerable Communities

<http://www.opr.ca.gov/planning/icarp/vulnerable-communities.html>



GOVERNOR'S OFFICE OF PLANNING AND RESEARCH

July 2018



Defining Vulnerable Communities

ICARP

Vulnerable communities experience heightened **risk** and increased **sensitivity** to climate change and have less **capacity** and fewer resources to cope with, adapt to, or recover from climate impacts.

These disproportionate effects are caused by **physical (built and environmental), social, political, and/or economic factor(s)**, which are exacerbated by climate impacts. These factors include, but are not limited to, race, class, sexual orientation and identification, national origin, and income inequality.



SB 1000 DAC Definition

Definitions

(4) For purposes of this subdivision, the following terms shall apply (A) **“Disadvantaged communities”** means an area identified by the California Environmental Protection Agency pursuant to Section 39711 of the Health and Safety Code **or an area that is a low-income area** that is disproportionately affected by environmental pollution and other hazards that can lead to negative health effects, exposure, or environmental degradation.





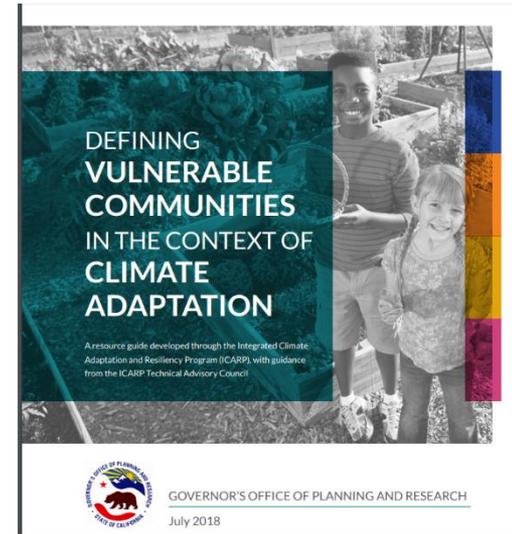
Assessing Climate Vulnerability and Aligning Definitions & Planning Efforts

SB 1000 CROSSWALK

The table below also provides a crosswalk between the indicators that are required components of an Environmental Justice Element of a general plan, per Senate Bill 1000 (2016, Leyva). While the other indicators are not required, some may be useful health-related indicators planners may want to consider.

Table 1: Comparison table: indicators currently available through statewide vulnerability assessment tools, organized by system factors

FACTOR	INDICATOR	CES (weighted index + map)	CCHVI (not an index)	HPI (weighted index + map)	ROI (weighted index)	SB 1000
Existing inequities, institutionalized racism, or exclusion: People facing disadvantage or discrimination often have lower socioeconomic status, which result in fewer resources for preparing, coping and recovering from climate impacts.	Educational attainment					
	Employment					
	Housing burdened low income households					■
	Income					
	Linguistic isolation					
	Poverty					
	Race and Ethnicity					
	Two parent household					
	U.S. Citizenship					
	Violent Crime Rate					
	Voting					
Physical states or conditions that increase vulnerability: Older adults, young children, pregnant women, and people with chronic health conditions or mental illness are more susceptible to harm from effects of climate change.	Asthma emergency department visits					
	Children					
	Cardiovascular disease					
	Elderly					





Cal-Adapt: Climate Projections

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