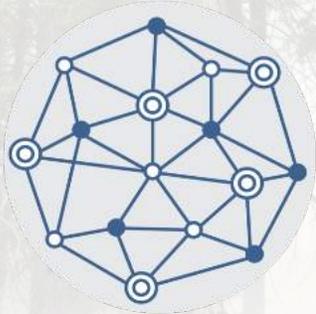


Wildfire Resilience in California: State of the Space



ARCCA

Alliance of Regional Collaboratives
for Climate Adaptation

Learning Session Webinar

Thursday, July 18, 2019 | 1:00 - 2:00 PM

Webinar Agenda

- Webinar Logistics
- Brief overview of ARCCA
- **Governors' Forest Management Task Force**
- **State Initiatives to Build Wildfire Resilience**
- Q&A Panel Discussion
- Closing Remarks

Webinar Logistics

Questions:

At any point during the webinar, you can submit a question through the Zoom control panel. All questions will be read aloud and answered during Q&A as long as time permits.

You can also use the 'hand raising' feature to be unmuted and ask a question during Q&A.



About ARCCA

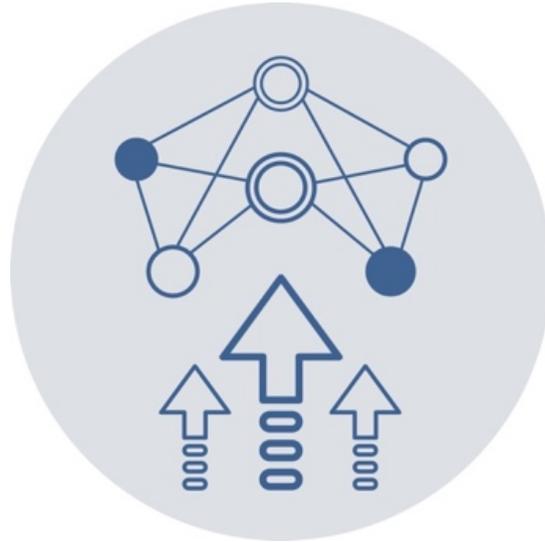
A network of leading regional collaboratives from across California that work together to advance adaptation statewide and increase local capacity to build community resilience.



Knowledge Exchange

About ARCCA

A network of leading regional collaboratives from across California that work together to advance adaptation statewide and increase local capacity to build community resilience.



Emerging Collaboratives

About ARCCA

A network of leading regional collaboratives from across California that work together to advance adaptation statewide and increase local capacity to build community resilience.



State Engagement

ARCCA Members



Coordinator

Local Government Commission
Leaders for Livable Communities

State Liaison

GOVERNOR'S OFFICE OF PLANNING AND RESEARCH
STATE OF CALIFORNIA

Affiliates

A collection of logos for ARCCA affiliates:

- ReLEAF (CALIFORNIA):** Logo featuring a leaf and the text "CALIFORNIA ReLEAF".
- CADMUS:** Logo with the name "CADMUS" in a blue box.
- Climate Resolve:** Logo with a circular graphic and the text "Climate Resolve".
- GEOS INSTITUTE:** Logo with the text "GEOS INSTITUTE" in red.
- Harris & Associates:** Logo with a red square containing a white "H" and the text "Harris & Associates".
- Four Twenty Seven Climate Solutions:** Logo with a circular graphic containing the number "427" and the text "Four Twenty Seven Climate Solutions".
- BERKELEY LAB:** Logo with a building icon and the text "BERKELEY LAB".
- Union of Concerned Scientists:** Logo with the text "Union of Concerned Scientists" in a stylized font.

Featured Presenters



Jennifer Montgomery

Director, Governor's Forest Management Taskforce



Nuin-Tara Key

Climate Resilience Program Director,
Office of Planning and Research





State Initiatives Towards Building Wildfire Resilience

Nuin-Tara Key

Climate Resilience Program Director

Governor's Office of Planning and Research

California's Extreme Impacts



Climate Impacts: Fourth Assessment

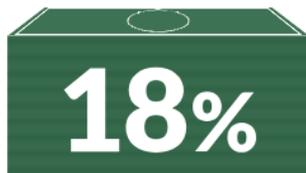


BY 2100
AVERAGE ANNUAL MAXIMUM
DAILY TEMPERATURE
IS PROJECTED TO
**INCREASE BY
5.6°–8.8°**

Depending on greenhouse gas emissions reductions. The greatest increase is seen with business-as-usual emissions levels.



**AVERAGE AREA BURNED
INCREASE BY 2100
IF EMISSIONS CONTINUE TO RISE**



**INSURANCE COSTS
INCREASE BY 2055
IN HIGHEST RISK AREAS**



BY 2100
WATER SUPPLY FROM SNOWPACK
IS PROJECTED TO
**DECLINE BY
TWO-THIRDS**



BY 2050
**HEAT WAVES IN CITIES
COULD CAUSE
2-3 TIMES MORE
HEAT-RELATED DEATHS**

Vulnerable populations will experience the worst of these effects.



State Policy Landscape

Emissions Reduction Targets	EO S-03-05	AB 32 (2006)
	EO B-30-15	SB 32 (2016)
		AB 398 (2017)
Adaptation Strategy	EO S-13-08	AB 1482 (2015)
State Planning and Investments	EO B-30-15	AB 2800 (2016)
Climate Assessments	EO S-03-05	
Integrated Climate Adaptation and Resiliency Program (state/local coordination)		SB 246 (2015)
Local Government (General Plan)		SB 379 (2015)



Adaptation Vision in California

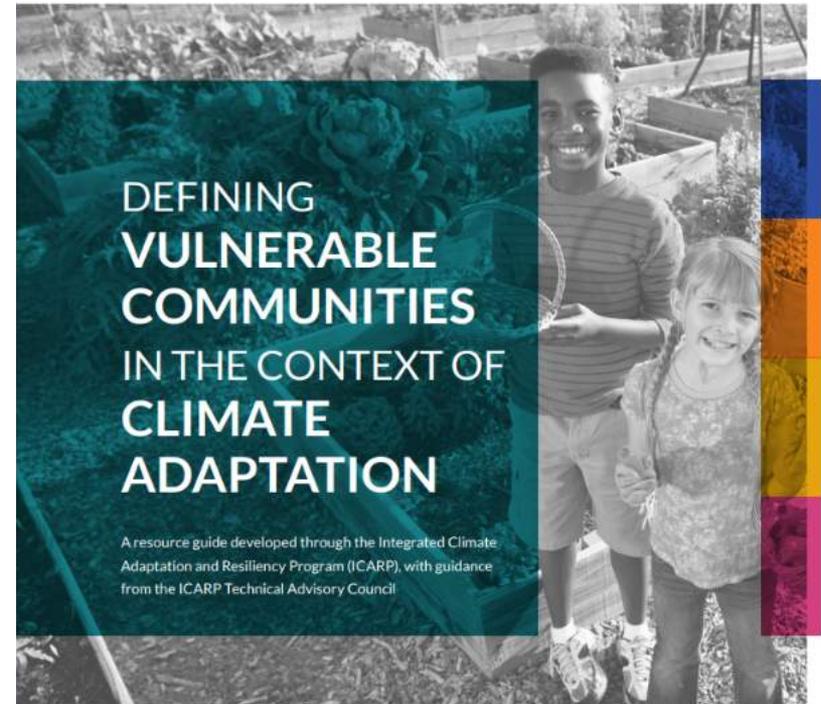
- **All people and communities** respond to changing conditions in a manner that minimizes risks to public health, safety, economic disruption, and maximizes equity and protection of the most vulnerable
- **Natural systems** adjust and maintain functioning ecosystems
- **Infrastructure and built systems** withstand changing conditions, while continuing to provide essential services



Vulnerable Communities

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.



GOVERNOR'S OFFICE OF PLANNING AND RESEARCH

July 2018

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



Adaptation Clearinghouse



ResilientCA.org

[Search](#) [Explore](#) [Case Studies](#) [Climate Stories](#) [About](#)

Adaptation Clearinghouse

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

[Search for Resources](#)

Wildfire Resilience

CalFire 45-day Report

Community Wildfire Prevention & Mitigation Report

In response to Executive Order N-05-19



Prepared by:
California Department of Forestry and Fire Protection

With Assistance From:



Governor's Office of Emergency Services



California National Guard



California Government Operations Agency



Governor's Office of Planning and Research



Department of Finance



California Natural Resources Agency



February 22, 2019

Strike Force Report



Wildfires and Climate Change: California's Energy Future

A Report from Governor Newsom's Strike Force

April 12, 2019

Wildfire Commission



FINAL REPORT OF THE COMMISSION ON CATASTROPHIC WILDFIRE COST AND RECOVERY

Commissioner Carla Peterman, Chair
Commissioner Dave Jones
Commissioner Michael Kahn
Commissioner Pedro Nava
Commissioner Michael Wara

Executive Officer: Evan Johnson
evan.johnson@oppr.ca.gov



State Funding – 2019-20 Budget

Public safety power shutdown, \$75 million, CalOES

- One-time funding includes planning grants to improve local preparedness for utility-led public safety power shutdown (PSPS) actions.
- Will be available to the state's Operational Areas' (Counties) Offices of Emergency Management to convene regional stakeholders to discuss PSPS preparedness efforts, update emergency plans for PSPS events, and hold trainings, discussions, and exercises to reinforce planning assumptions.

Forest health and fire prevention: \$225.8 million, Cal FIRE

- \$200 million allocated annually for five years to support forest management and fuel reduction programs and projects, including Cal FIRE forest health grants

Affordable Housing and Sustainable Communities: \$450 million, SGC

- Invests in housing in urban and rural communities across the state; provides affordable units near transit and walking/biking options.



Key Takeaways & Next Steps...

- Climate resilience, land use, housing, and transportation should not be separate, but all part of the same discussion
- Ultimately, we need to balance the interests of growth and housing demands with climate adaptation and resiliency



Key Takeaways & Next Steps

- Continued efforts to align and advance understanding of Climate Vulnerability
- Ongoing development of resources for local practitioners, including:
 - “*Fire Hazard Planning General Plan Technical Advice Series*”
 - Update - summer 2020 (SB 901)
 - Current 2015 version: http://opr.ca.gov/docs/Final_6.26.15.pdf



Thank you!

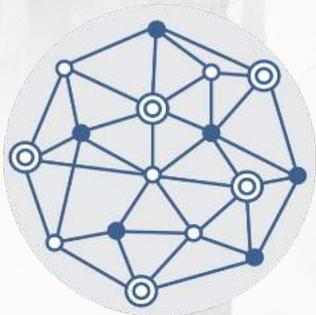
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Thank You



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