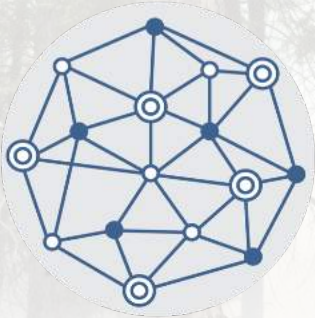


# Wildfire Resilience in California: State of the Space



**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

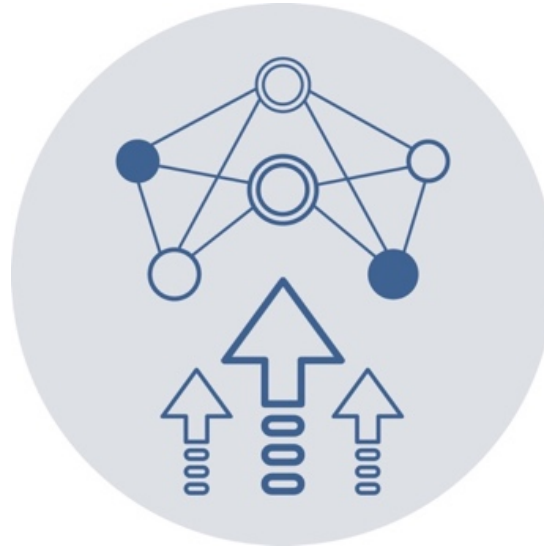
A network of leading regional collaboratives from across California that work together to advance adaptation statewide and increase local capacity to build community resilience.



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



## Affiliates



**Harris & Associates**





# 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

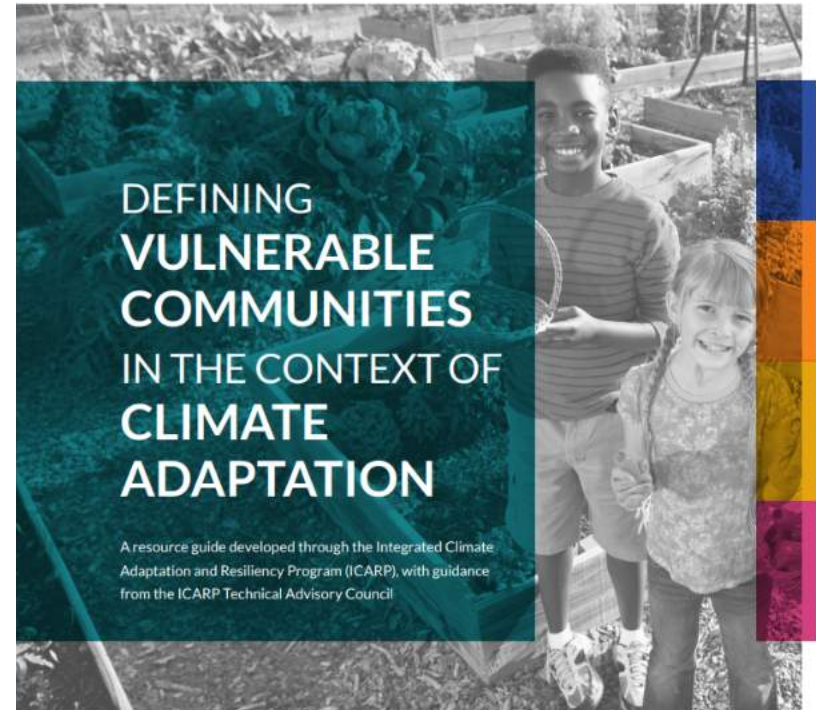
- **All people and communities** respond to changing conditions in a manner that minimizes risks to public health, safety, economic disruption, and maximizes equity and protection of the most vulnerable
- **Natural systems** adjust and maintain functioning ecosystems
- **Infrastructure and built systems** 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@opr.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](http://opr.ca.gov/docs/Final_6.26.15.pdf)



# Thank you!

Nuin-Tara Key

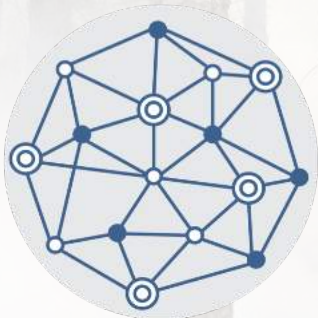
[Nuin-Tara.Key@opr.ca.gov](mailto:Nuin-Tara.Key@opr.ca.gov)

916.322.6079





# Thank You



## ARCCA

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for Climate Adaptation

[ARCCACalifornia.org](https://ARCCACalifornia.org)