



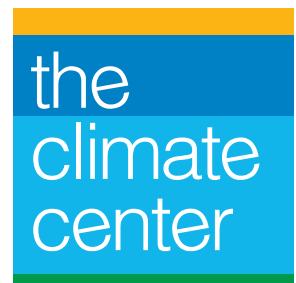
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# Climate-Safe California: accelerating climate action

**Funding Climate Action Webinar**

Tuesday, June 22, 2021

Ellie Cohen and team



[ellie@theclimatecenter.org](mailto:ellie@theclimatecenter.org)  
[www.theclimatecenter.org](http://www.theclimatecenter.org)

# Current global climate goals are bold **but...**

## UN IPCC 1.5C Report- Oct 2018

- Cut emissions by 45% by 2030

AND

- remove up to 1000 Gt CO<sub>2</sub>e from atmosphere

to achieve net-zero emissions by 2050 and stay under 1.5C warming



- **...but UN operates by consensus so goals are conservative**
- **New studies show these are not enough**
- **We must do more sooner ...**

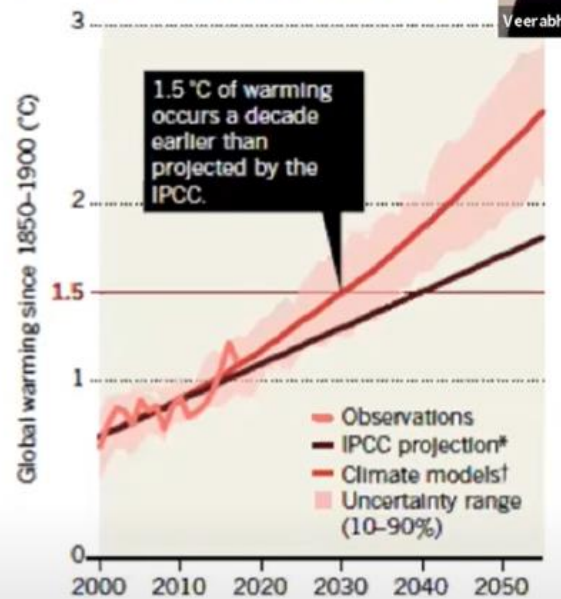
# Will pass 1.5°C dangerous warming by 2030 10 years earlier than UN IPCC projected

## Global warming will happen faster than we think

Three trends will combine to hasten it, warn Yangyang Xu, Veerabhadran Ramanathan and David G. Victor.

### ACCELERATED WARMING

Climate simulations predict that global warming will rise exponentially if emissions go unchecked



Xu, Y., et al, **Global Warming will Happen Faster than We Think**, Nature Dec 2018, 564(7734):30-32

DOI: [10.1038/d41586-018-07586-5](https://doi.org/10.1038/d41586-018-07586-5)

MoveCA Zoomposium, Jan 21 2021, <https://www.youtube.com/watch?v=T3IOX5ru0BI&t=12s> (at 16 min in)

Hébert, R. et al. *Climate Dynamics*, 2020; DOI: [10.1007/s00382-020-05521-x](https://doi.org/10.1007/s00382-020-05521-x)

CA impacts: personal communication with V. Ramanathan, Scripps/UC San Diego

# Western US now in global warming-induced severe megadrought

- **Threatens dustbowl & ag economy by as early as 2027 in CA**
- 2015 drought cost ~\$2.7 billion and 20k lost ag jobs in California



<https://www.washingtonpost.com/weather/2020/04/16/southwest-megadrought-climate-change/>  
[Williams et al. Science Apr 17 2020](#)  
<https://www.scientificamerican.com/article/drought-takes-2-7-billion-toll-on-california-agriculture/>



# The nation and the world are looking to California to lead for a climate-safe future



**Need more aggressive, equitable policies  
& accelerated timelines in CA now!**



## **Climate-Safe California**

### **Campaign for Rapid Decarbonization**

[www.theclimatecenter.org](http://www.theclimatecenter.org)

**GOAL: By 2025, CA will have enacted the bold policies required by science to dramatically cut emissions, start drawdown and secure resilient communities for all by 2030, inspiring global action**



# CLIMATE-SAFE CALIFORNIA

accelerate existing state goals 15 years...

**2045 is too late**

- **Net-negative emissions by 2030** (drawdown greater than emissions) (Brown 2018 EO by 2045)
  - **80% below 1990 GHG levels by 2030** (Schwarzenegger 2005 EO by 2050)
  - **Nature-based annual sequestration greater than emissions by 2030**

**Definition:** net negative emissions is achieved when, as a result of human activities, more greenhouse gases are removed from the atmosphere than are emitted into it. – UN IPCC 1.5C Report <https://www.ipcc.ch/sr15/chapter/glossary/>



# Guiding principles for Climate-Safe CA targets, policies and programs

- 1- Based on the **latest science**
- 2- Ensure a **just transition** for fossil fuel workers
- 3- Prioritize **climate justice** and ensure lower-income/BIPOC communities are no longer disproportionately harmed by fossil fuels & equal access to climate solutions





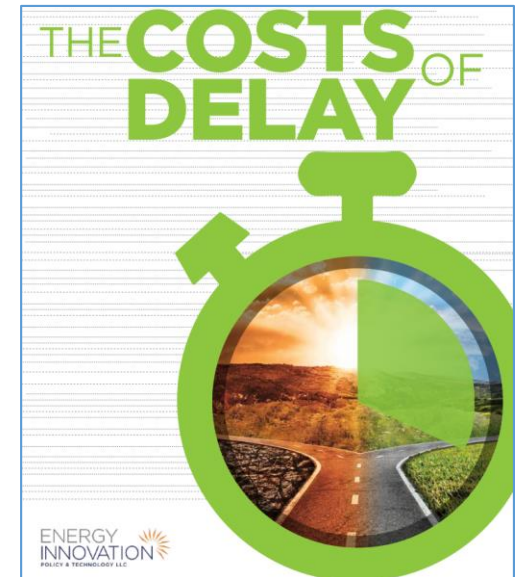
# KEY POLICIES REQUIRED BY SCIENCE TO REACH NET-NEGATIVE EMISSIONS BY 2030

- Accelerate the phase-out of fossil fuel development, production and use
- Increase sequestration
- Invest in community resilience
- Fund climate action

[www.climatesafeca.org](http://www.climatesafeca.org)

# Climate inaction or delay costs trillions, bankrupting our economy

- **Costs much less investing big today rather than waiting until 2030** *(For CA: est. \$47 billion/year now vs. \$110 billion/year starting in 2030 based on CA =14.6% of GDP)*
- **Fed Reserve: banks must consider climate risks**
- **\$150 Billion in damages from 2018 CA wildfires**



[https://energyinnovation.org/wp-content/uploads/2021/01/Cost\\_of\\_Delay.pdf](https://energyinnovation.org/wp-content/uploads/2021/01/Cost_of_Delay.pdf)

<https://www.federalreserve.gov/publications/files/financial-stability-report-20201109.pdf>

<https://www.nytimes.com/2020/09/08/climate/climate-change-financial-markets.html>

Wang, D et al. **Economic footprint of California wildfires in 2018**. *Nature Sustainability*, 2020 DOI: [10.1038/s41893-020-00646-7](https://doi.org/10.1038/s41893-020-00646-7)

<https://www.accuweather.com/en/weather-news/california-wildfires-will-cost-tens-of-billions-accuweather-estimates/612548>

Political Economy Research Institute [https://www.peri.umass.edu/images/CA-EconRecProgram-6-12-20\\_Final.pdf](https://www.peri.umass.edu/images/CA-EconRecProgram-6-12-20_Final.pdf)

World Resources Institute <https://www.wri.org/blog/2020/07/economic-benefits-climate-action-us>

# Recent studies about beneficial economic impact of climate investments

- \$80 billion invested in California will generate ~725,000 jobs
- Investments in clean energy generate more than 2x the jobs as in fossil fuels
- Current California emissions reduction goals yield an estimated \$21 billion in economic and other benefits



# Gov. Newsom May 2021: \$75.7B+ surplus

**\$11 billion climate down payment over ~3 yrs BUT  
we need more than that *each year!***

**Our Proposal:**  
**+\$12.2 billion**  
(mostly in one year)



**Energy (+\$3.8 Billion):**  
Community Energy Resilience;  
Community Resilience Hubs; Grid of  
the Future  
**Sustainable Transportation (+\$1  
Billion)** infrastructure; vehicle  
incentives  
**Natural & Working Lands (+\$5.4  
billion)** nature-based sequestration  
**Just Transition Fund (+\$2 billion)**



# Fund climate action

Institute progressive, accessible and equitable public funding strategies to **invest additional ~\$12 to 20+ billion/year** specifically for climate action such as:

- **Regulatory changes** that open markets *so private investments pay for much of what's needed*
- **Frequent Flyer Fee** e.g., \$2.4 billion *from \$10 per passenger x 240 million (CA in 2018)*
- Fossil Fuel Severance Tax
- **Enhance Cap & Trade**
- **Green climate bonds**
- **Green financing/loan programs**
- Close tax loopholes
- Make tax code upgrades
- Enact progressive carbon taxes



**Our house is on fire. Ask at every level of society: are we doing enough?**



# Endorse Climate-Safe California today!

[www.climatesafeca.org](http://www.climatesafeca.org)



**California can remove  
more climate pollution  
than we emit by 2030**

Learn more about our campaign  
for a healthy, hopeful & equitable  
future at [www.climatesafeca.org](http://www.climatesafeca.org)

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# Welcome Asm. Eduardo Garcia

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**EDUARDO GARCIA**  
Assemblymember, District 56

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## SALTON SEA RESTORATION

**Salton Sea: A Brief History and Looking Ahead**

The current effort by the California

## VETERAN RESOURCES

**Honoring California's Valiant Veterans**

Veterans exemplify the best values of our country and have earned

## SUPPORTING AGRICULTURE

**Supporting California Agriculture**

Agriculture is a critical part of our California economy. This \$43

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