

# Collaborating Across Sectors to Accelerate Electric School Bus Adoption for Reliable Energy

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**Carolina Chacon**, Alliance for Electric School Buses



**Alex Macharia**, The Mobility House



**Erny Epley**, Fremont Unified School District



**Joe Sullivan**, International Brotherhood of Electrical Workers Local 11

# Sponsors



# Promotional Partners





# Our Mission

**We're working to rapidly  
reduce climate pollution at  
scale, starting in California.**

We believe in thriving, healthy communities. We envision a future where everyone in California enjoys clean air and water, renewable and reliable energy, healthy food, thriving nature, and more.



## RAISING THE ALARM

Evidence that tipping points are under way has mounted in the past decade. Domino effects have also been proposed.



**A. Amazon rainforest**  
Frequent droughts

**B. Arctic sea ice**  
Reduction in area

**C. Atlantic circulation**  
In slowdown since 1950s

**D. Boreal forest**  
Fires and pests changing

**F. Coral reefs**  
Large-scale die-offs

**G. Greenland ice sheet**  
Ice loss accelerating

**H. Permafrost**  
Thawing

**I. West Antarctic ice sheet**  
Ice loss accelerating

**J. Wilkes Basin, East Antarctica**  
Ice loss accelerating

# The Challenge

The climate crisis is hitting harder and faster than scientists predicted even a few years ago. As the United Nations recently warned, we are witnessing a **“code red” moment** for humanity.



# California Must Lead

California has the tools and know-how to lead on climate. When our elected officials accelerate the transition to clean energy, all of us will benefit.

**California must lead on climate once again at the speed and scale required. Our communities deserve accelerated, equitable solutions.**

Photo: Climate rally in Sacramento. Image by Tessa Richardson.





# Climate-Safe California

Climate-Safe California is a unique and comprehensive campaign to make California the first state in the nation to become carbon negative.

Photo by Los Muertos Crew | Pexels

the  
climate  
center

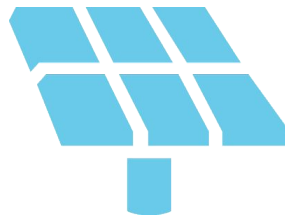
# The Four Pillars of Climate-Safe CA



**Phase out fossil  
fuels**



**Scale up carbon  
drawdown**



**Build resilient,  
affordable energy for  
all**



**Fund climate  
solutions**



# Guiding Principles

Climate-Safe California — and all of The Climate Center's work — is guided by these core principles:

1. **Follow the latest science**
2. **Secure a just transition for fossil fuel workers and their families**
3. **Prioritize climate justice with equitable access to climate solutions**



Photo by Canva



# Our Impact



## Community Energy Resilience

- We sponsored and helped pass SB 59 (Skinner), a first-of-its kind law to support bidirectional EVs.
- We are awaiting the Governor's signature on AB 740 (Harabedian), our sponsored bill to accelerate the adoption of virtual power plants.

**Tell Governor Newsom to sign  
AB 740 for virtual power plants**



# Our Vision for Electric School Buses

Every school bus in California is **electric** and **bidirectional**, serving the dual purpose of **safely transporting students** and ensuring that **reliable, affordable, and resilient power** reaches **every neighborhood**.





# Recap from Webinar #1 and 2

- Bidirectional electric school buses (ESBs) bring **multi-faceted benefits to communities**.
- Federal and state funding have led to almost **~1,500 ESBs on the road** in California.
- School districts can finance ESB projects with revenues from **managed charging** and **demand response** programs.
- ESBs can be used to power **resilience hubs** during climate-fueled emergencies.



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About Climate-Safe California What We Do

## The Affordability and Public Health Benefits of Bidirectional Electric School Buses

July 24, 2025 10:00 am PST - 11:30 am PST

Zoom

Community Energy Resilience Transportation

Webinar



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About Climate-Safe California What We Do

## How Electric School Buses Can Help Californians Save Money, Cut Pollution, and Keep the Lights On

June 26, 2025 10:00 am PST - 11:30 am PST

Zoom

Clean Energy Community Energy Resilience Transportation

Webinar

**Tell Governor Newsom to sign  
AB 740 for virtual power plants**

