

# Outcomes from COP 30

## What Does it Mean for Climate Action in California?

Barry Vesser

The Climate Center

December 18, 2025



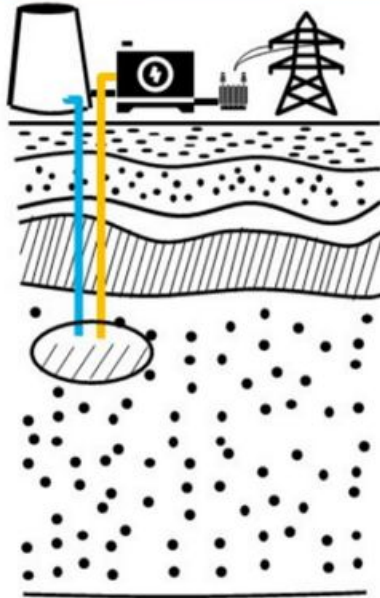
# California and COP

- California made multiple bilateral agreements with other subnationals and national governments including Colombia, Chile, Denmark, and Brazil
- Newsom: “Trump abdicated his responsibility, but California is open for climate and clean energy business”
- Senator Stern have to focus on affordability - make climate action something people want to do

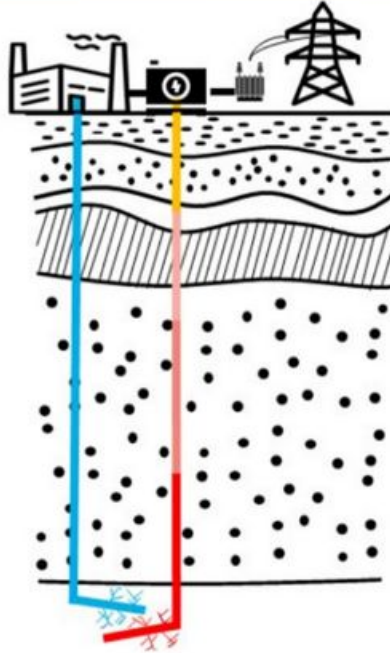


# Issues The Climate Center was part of: Advanced Geothermal

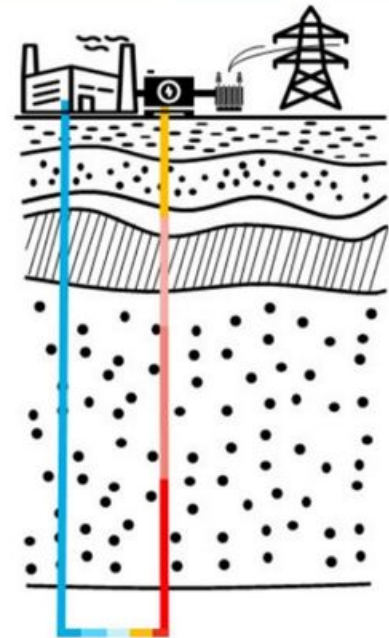
Conventional  
Geothermal



Enhanced  
Geothermal



Closed Loop  
Geothermal



# What are the benefits of Advanced Geothermal Energy Systems?

- 24/7/365 clean, firm power
- Very low greenhouse gas emissions
- Grid Stability, Resilience, and Reliability
- Relatively small geographic footprint
- Scalable - not geographically limited
- Can use brine or waste water
- Oil/Gas Worker skills transfer

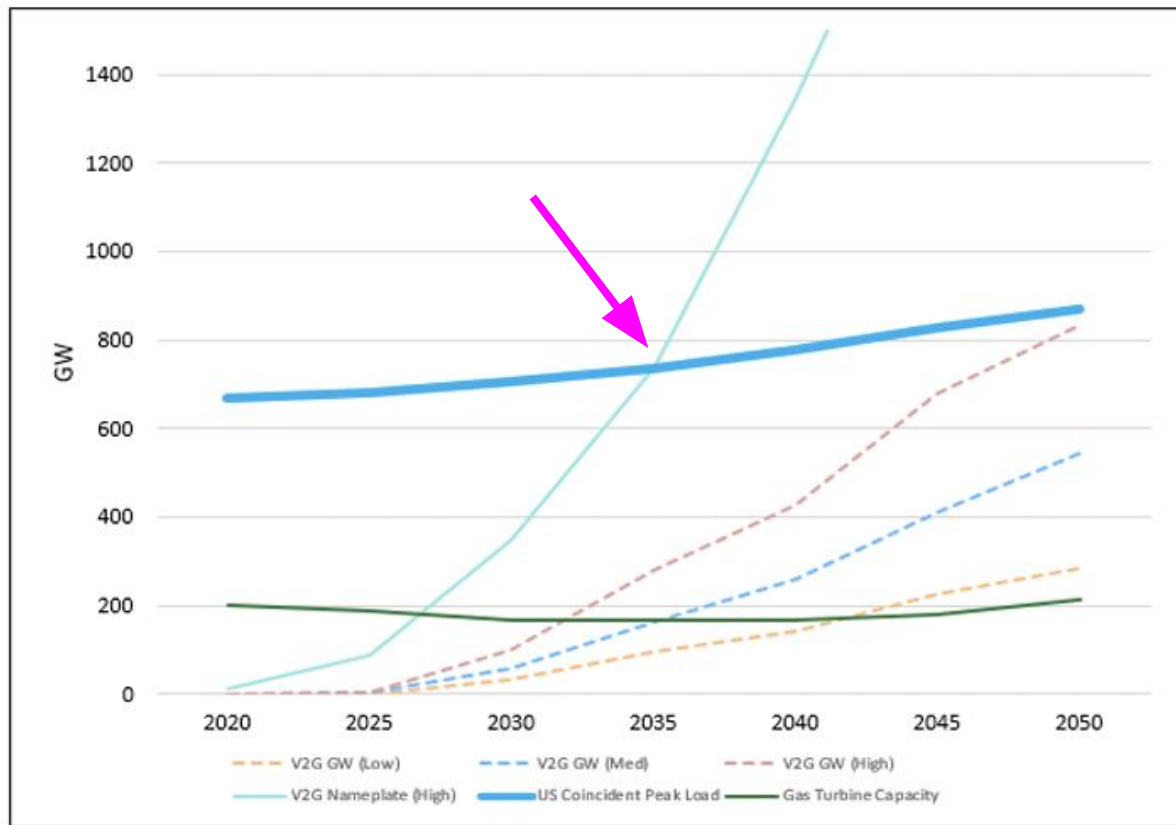


# Bi-directional EV Charging Enabler of a more efficient energy system



**Speakers from Sweden, Finland, France, the  
US in the Swedish Pavilion**

**Total nationwide EV  
battery capacity will  
exceed peak US  
electricity demand  
in 2035<sup>1</sup>**



<sup>1</sup> Presented at an October 2022 EPRI Webex. Based on EIA projections of EV populations

# COP 30 Key International Issues



- **Nationally Determined Commitments:** Don't add up - put the world on track for an estimated 2.6°C to 3.1°C of warming - not on the official agenda at COP, except see what countries come back with next year
- **Climate Finance:** The "Baku to Belém Roadmap" which aimed to scale up climate finance to developing nations to \$1.3 trillion annually by 2035. Developed countries were not on board. Didn't happen.
- **Adaptation Finance:** Developing countries called on developed countries to triple adaptation finance by 2030, reaching at least \$120 B a year. Yes, but by 2035 and no new money pledged.

# COP 30 Key International Issues

- **Phasing Out Fossil Fuels:** There were serious deliberations on a roadmap for the transition away from fossil fuels and an end to subsidies, but the final agreement did not even contain the words “fossil fuels.”
- **Brazil’s Tropical Forest Forever Facility (TFFF):** To create an economic incentive for conservation. Raised \$6.7 B, short of \$25 B goal. Contributors: Norway, France, Germany, Brazil & Indonesia; China said no.
- **Belem Action Mechanism for a Global Just Transition:** This includes unprecedented references to labor, human and environmental rights and a Just Transition.

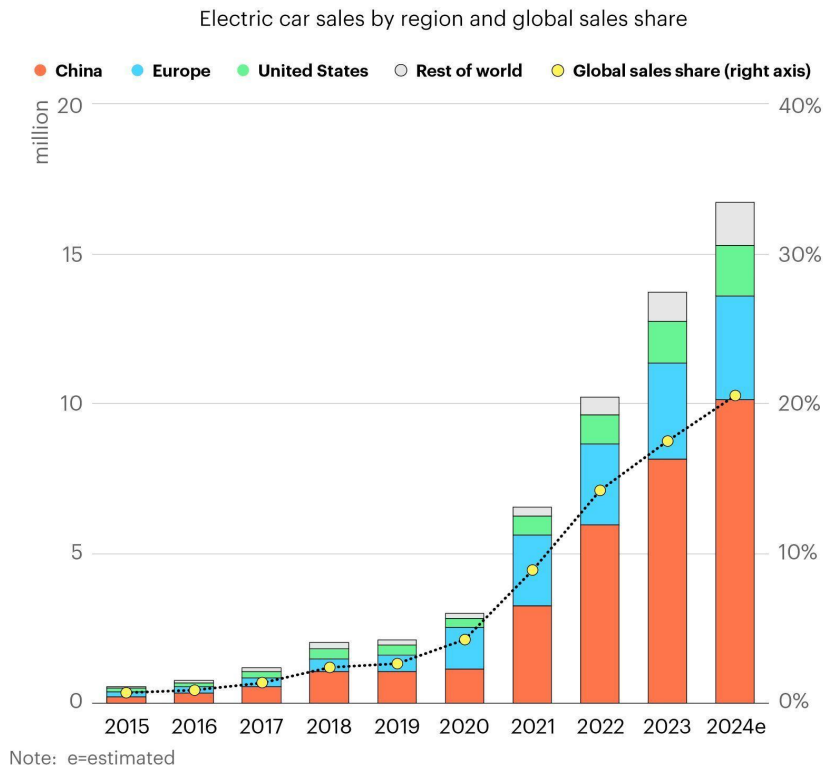
# Beyond COP: Columbia & The Netherlands

## First International Conference on the Just Transition Away from Fossil Fuels

April 28-29, 2026, in the port city of Santa Marta, Colombia



# Global electric car sales are on track to grow strongly again this year, reaching about 17 million.



# China and “Less Developed Countries”

China's EV charging infrastructure already leads the world and is growing fast. They are investing in green infrastructure at the scale of the Marshall Plan.



- Chinese firms have committed some **\$80 billion** in clean technology investments overseas over the past year and **\$180B** since the start of 2023
- Renewable energy, led by solar, hydro and wind, accounted for about **92.5%** of all new global power capacity added in 2024, the majority in Asia
- EV Chargers in China reached **17.35 million units** at the end of August.
- California has **201,180 publicly-available and shared EV charge points**, substantially more than existing gas nozzles estimated at 120,000 by the California Energy Commission, but only 18,632 Fast Chargers

# Where Can California Lead?

- Natural Based Solutions and Carbon Dioxide Removal
- Advanced Geothermal
- Bidirectional charging - VGI
- Methane reduction
- Holistic and managed transition away from fossil fuels including eliminating all subsidies for fossil fuels in Cap & Invest program
- Stepping up to represent climate action for the U.S. in international forums until we have a new federal administration



# Your Questions

# Indigenous Protest

## “Our Forests are Not for Sale”



Brazil's state-owned company, Petrobras, is developing new oil fields at the mouth of the Amazon River

Indigenous protesters surged into the Blue Zone



# Over the Top Security Response



# Some Suggestions for International Action

- **Continue pushing for change at COP**, a necessary, though imperfect process
- **Advocate for policy that stimulates private investment.** Public/private partnership are key - we need both regulation and markets to reach our goals
- **Support alternative convenings** that push for the speed and solutions aligned with the science
- **Protest and push governments for more** in ways that appeal to regular people



# The Climate Center and COP 30

- Getting credentials for members of the California delegation and supporting them
- Two press conferences with members of the CA Delegation
- Presentation on Nature Base Solutions at the CDR Pavilion
- Advance Geothermal Presentation at The Climate Registry Pavilion
- Presentation of Bidirectional Charging where it is in CA and policies need to make it scale
- Participation in a Open Dialogue on a “Plan to Accelerate Electrification Solutions”
- Search for Solutions - Norway, Australia, Brazil...