Climate Justice Dialog

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NDC Commitments to the Paris Accords

Paris, 2015: 2 degree objective
IPCC, 2018: 1.5 degree objective

Energy poverty limits livelihoods

Energy poverty limits livelihoods for nearly 580M people in sub-Saharan Africa (2/3 of all off grid citizens of Earth)

Electricity is essential to power health care, education, and prosperity

Nigeria and South Africa have recently committed to a Just Transition to clean energy

California Energy & Environmental Justice Path

35% of Carbon Cap & Trade Funds for Under-Served Communities

California sets new clean energy records

California needs to be carbon negative by 2030

California: 2013 2020 2030

Carbon neutral isn't good enough: California needs to be carbon negative by 2030

Disparities in rooftop photovoltaics deployment in the United States by race and ethnicity
Racial disparity is observed—even at same income.

- White community: +21%
- Hispanic community: ~-30%
- Black community: ~-69%

Even at same income, no majority.

“…begin to craft policy solutions.”

The social cost of carbon now in use in the USA:

- Californians can "see" the carbon dividend on their bills...
- Why not do the same for the "justice dividend"?

GRID Alternatives – At the Climate Leaders Summit:

- GRID Alternatives CEO Was Makedon spoke with President Biden, Sec. of Energy Granholm, Sec. Kerry, Domestic Climate Leader McCarthy, etc.:
  - https://www.youtube.com/watch?v=wkHVq1S9E

As of 2020: 95% EV taxi fleet in Shenzhen, China (29,000+ vehicles)

RAEL partners with Shenzhen to use the Internet of Things (IoT) to reduce waiting times for EV recharging.
Sociological/anthropological: "village": 50-200 people

Technical/economical: shared generation and storage reduces the capacity needed, economies of scale in retrofitting many buildings.

Why a block? A question of scale & justice


Introduction: Net Zero Emissions Targets

Major industrial economies set net zero emissions targets.