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Climate Justice Dialog

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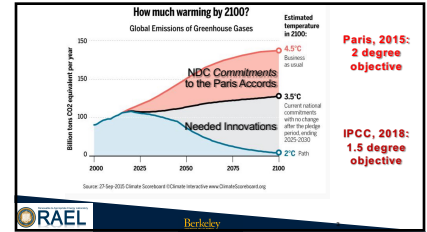
To access materials presented today:

<http://rael.berkeley.edu>

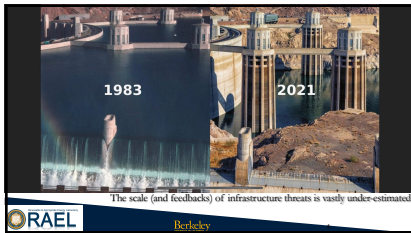
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ENERGY POVERTY IS LIMITS LIVELIHOODS

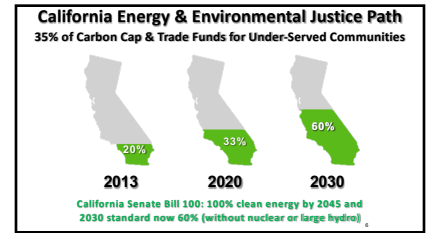
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Energy poverty limits livelihoods for nearly 580M people in sub-Saharan Africa (2/3 of all 'off grid' citizens of Earth)

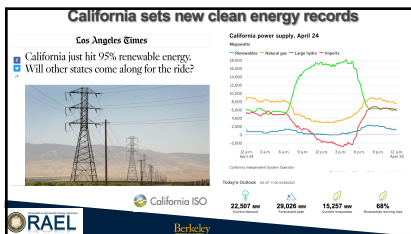
- Electricity is essential to power health care, education, and prosperity
- Nigeria and South Africa have recently committed to a Just Transition to clean energy

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San Francisco Chronicle

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

David Kammen and Michael Fisher

COVID-19 vaccines ARE SAFE for your family. They have been proven to help PROTECT YOURSELF.

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nature sustainability ANALYSIS

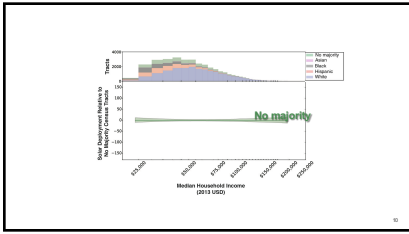
Disparities in rooftop photovoltaics deployment in the United States by race and ethnicity

Deborah A. Suster, Sergio Castellanos, and Daniel M. Kammen

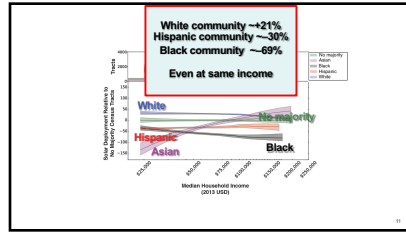
The rooftop solar industry in the United States has experienced dramatic growth—roughly 50% per year since 2012, along with steadily falling prices. Although the opportunities this affords for clean, reliable power are transformative, the benefits might not accrue to all individuals and communities. Combining the location of existing and potential sites for rooftop photovoltaics (PV) from Google's Project Sunroof and demographic information from the American Community Survey, the relative adoption of rooftop PV is compared across census tracts, grouped by social and ethnic identity. Black- and Hispanic-majority census tracts obtain an average significantly less rooftop PV installed. This disparity is often attributed to racial and ethnic differences in household income and home ownership. In this study, significant racial disparity remains even after we account for these differences. For the same median household income, Black- and Hispanic-majority census tracts have installed less rooftop PV compared with non-majority tracts by 49 and 30%, respectively, while white-majority census tracts have installed 23% more. When controlling for home ownership, Black- and Hispanic-majority census tracts have installed less rooftop PV compared with non-majority tracts by 51 and 45%, respectively, while white-majority census tracts have installed 23% more.

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Collage of news headlines and logos related to solar energy equity. Headlines include: "Stepping Into The Sun: A Mission To Bring Solar Energy To Communities Of Color", "Solar Power's Benefits Don't Shine Equally on Everyone", "The Green New Deal Must Benefit Black And Hispanic Americans", and "The BEAM Instancing disparities in solar deployment". Logos for npr, Scientific American, gtm, and Forbes are visible.

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Slide titled "The social cost of carbon now in use in the USA". It discusses the Executive Order on Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis. The slide mentions that the "social cost of carbon" (SCC) is an estimate of the monetary damage associated with incremental increases in greenhouse gas emissions.

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Slide titled "Californians can see the carbon dividend on their bills ... Why not do the same for the justice dividend?". It explains the California Climate Credit, which is a credit identified as the "California Climate Credit" on your household and utility bills.

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Slide titled "New Faculty: UC Berkeley's Climate Equity and Environmental Justice Roundtable". It lists several new faculty members and their affiliations, including: Maria Christopoulou, Daniel Adams-Coxson, Yuxin Cheng, Zain Islam, Gwendolyn "Gwen" Tan, and Luana Evelyn Kwong.

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Slide titled "GRID Alternatives - At the Climate Leaders Summit". It features a photo of GRID Alternatives CEO Erica Mackie on stage with President Biden and Sec. Kerry. The slide includes the GRID Alternatives logo and a link to a YouTube video.

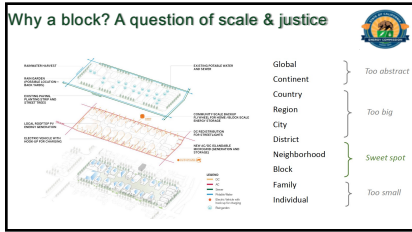
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Slide titled "Shenzhen Taxi Fleet Transformed". It shows a fleet of blue and white taxis and states that as of 2020, 95% of the taxi fleet in Shenzhen, China is EV (29,000+ vehicles).

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Slide titled "RAEL partners with Shenzhen to use the Internet of Things (IoT) to reduce waiting times for EV recharging". It shows a car on a road and a smartphone app interface displaying a map and charging station information.

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Electricity for All: Issues, Challenges, and Solutions for Energy-Disadvantaged Communities

Volume 107, Issues 8 | September 2019

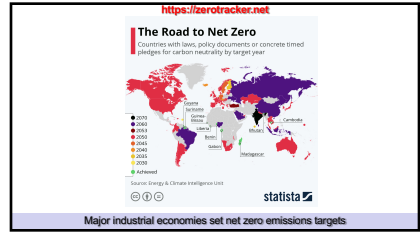
Special Issue Papers

Guest Editors:

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Schmidt, Wiltschko, Kundell & Kammen (2019) Nature, 569, 330-332

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