

# AB 32 Environmental Justice Advisory Committee

EJAC/CARB Joint Meeting September 12, 2024

# EJAC Presentation on Carbon Capture, Use and Storage (CCUS) and Direct Air Capture (DAC) Recommendations

# CCUS and DAC Resolution Overview

Martha Dina Argüello

# CCUS & DAC Resolution (Part 1) | Martha Dina Argüello

**Therefore, Be It Resolved,** that the Environmental Justice Advisory Committee (EJAC) of the California Air Resources Board (CARB) formally opposes the deployment of Carbon Capture, Utilization, and Storage (CCUS) technology within the state of California,

**Be It Further Resolved,** that EJAC urges all state agencies overseeing CCUS and DAC deployment in California to exercise discretion and reject project applications outright, given the clear evidence of CCUS's track record of failure as a greenhouse gas reduction strategy and its potential risks to the health and safety of Californians, especially those residing in already pollution-burdened communities,

# CCUS & DAC Resolution (Part 2) | Martha Dina Argüello

**Therefore, Be It Resolved,** CARB must pursue immediate implementation of the provisions in SB 905 pertaining to community protections.

**Be It Further Resolved,** that EJAC advocates for the adoption of common-sense policy protections, to limit the harms and risks of CCUS and DAC to communities in California, including but not limited to:

- Ensuring no net increase in air pollution.
- Ensuring that CCUS projects cannot proceed if they threaten groundwater, surface water, and drinking water supplies or increase water, soil, or air pollution within designated community radii.

# CCUS & DAC Resolution (Part 3) | Martha Dina Argüello

- Prohibiting the siting of CCUS and DAC infrastructure in or near overburdened Environmental Justice (EJ) communities and implementing a minimum buffer distance of 10 miles from all capture, storage, and pipeline facilities.
- Requiring CCUS and DAC projects to be powered solely by excess clean, renewable energy.
- Mandating notification and community engagement processes for residents and sensitive sites such as schools within buffer distances of planned project sites, including workshops or community meetings to address concerns and discuss community benefits.

# CCUS & DAC Resolution (Part 4) | Martha Dina Argüello

- Requiring a full Environmental Impact Report (EIR) for all proposed CCUS and DAC projects, informed by local and statewide adverse impact research and worst-case scenario modeling.
- Implementing financial assurances that do not rely on the long-term fiscal health of companies, such as bonds and strong third-party insurance.
- Not allowing projects to generate credits for carbon markets or other systems, as this undermines the goal of getting to net-zero emissions, perpetuates business as usual, and opens up the possibility of double counting reductions and dangerously delaying progress.

# CCUS & DAC Resolution (Part 5) | Martha Dina Argüello

**Be It Further Resolved**, that EJAC emphasizes the need for CARB to confine CCUS deployment, if allowed at all, to truly hard-to-decarbonize sectors and prohibit CCUS in sectors such as refineries, natural gas power plants, bioenergy facilities, hydrogen facilities, waste incinerators, chemical recycling facilities, and ethanol production facilities, to reduce harm to the climate and communities.



# CCUS & DAC Resolution (Part 6) | Martha Dina Argüello

**Be It Further Resolved**, that EJAC calls for further research and regulatory improvements regarding the transportation, use, and storage of carbon, and other related aspects, including:

- Maintaining the ban on the use of carbon capture for Enhanced Oil Recovery (EOR).
- Maintaining the carbon pipeline moratorium until updated federal regulations are in place and ensuring safety measures such as defined safe distances, odorant addition for leak detection, and consideration of community burdens during site exploration.
- Prohibiting the conversion of existing transmission pipelines to CO<sub>2</sub> service and ensuring that regulations require pure carbon dioxide streams.

# CCUS & DAC Resolution (Part 7) | Martha Dina Argüello

**Be It Further Resolved**, that EJAC calls for any carbon removal or Direct Air Capture projects to be subject to the same standards and protections as CCUS projects.

**Be It Further Resolved**, that EJAC commits to working with stakeholders and advocating for policies, regulations, and direct emissions reductions that prioritize environmental justice, community health, and sustainability in California's climate and energy initiatives.

# Joint Body Discussion on CCUS and DAC Resolution