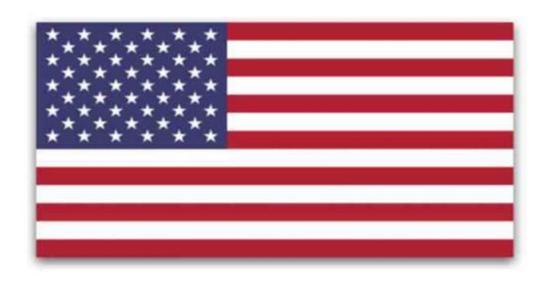
DOCKETED		
Docket Number:	22-BUSMTG-01	
Project Title:	Business Meeting Agendas, Transcripts, Minutes, and Public Comments	
TN #:	242437	
Document Title:	March 24 Business Meeting ADA Sans Public Comment Slides	
Description:	N/A	
Filer:	Ngoc Tran	
Organization:	California Energy Commission	
Submitter Role:	Commission Staff	
Submission Date:	3/24/2022 8:19:01 AM	
Docketed Date:	3/24/2022	



## California Energy Commission Business Meeting March 24, 2022 10:00 a.m.



# Pledge of Allegiance



I pledge allegiance to the Flag
of the United States of America,
and to the Republic for which it stands,
one Nation under God, indivisible,
with liberty and justice for all.

#### California Energy Commission's



## SAVE THE DATE

December 8, 2022

## Nominations due by:

JULY 1, 2022



### **Item 1: Consent Calendar**

a. Amendments to CEC Power Plant Siting Committee Assignments.



## Item 2: ECAA Loan Funded Energy Project for the City of Orange Cove

March 24, 2022 Business Meeting

Sean Lockwood, Associate Energy Specialist Renewable Energy Division, Local Assistance and Finance Office



# **Benefits of ECAA Loans for Californians**

**Improves Health Outcomes** 



Lowers
Utility Costs

Creates Green Jobs Building a Clean Energy
Economy



#### **Project Overview - City of Orange Cove**

- \$2,228,616 loan at 1% simple interest
- LED lighting upgrades at 7 city sites
- Ground-mounted solar PV installation at City's Wastewater Treatment Plant



Photo: Wastewater Treatment Plant with Proposed Solar Array



## **Project Energy Analysis Summary**

Loan Amount	Annual Energy Use Savings	Annual Energy Cost Savings
\$2,228,616	961,534 kWh	\$142,166



### **Staff Recommendation**

- Approve loan agreement
- Adopt staff's determination that project is exempt from CEQA

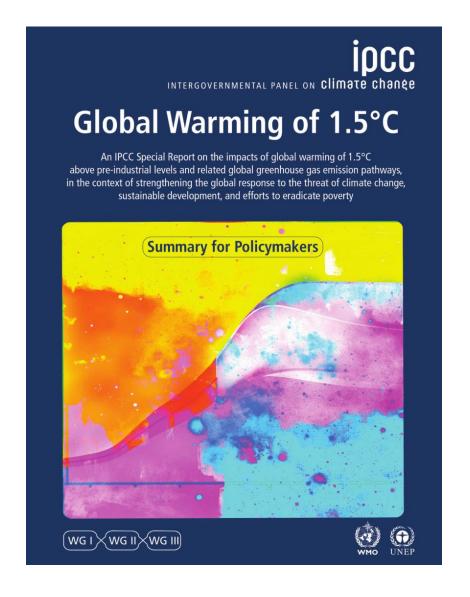
## Item 3: Carbon Removal in California

California Energy Commission Business Meeting March 24, 2022

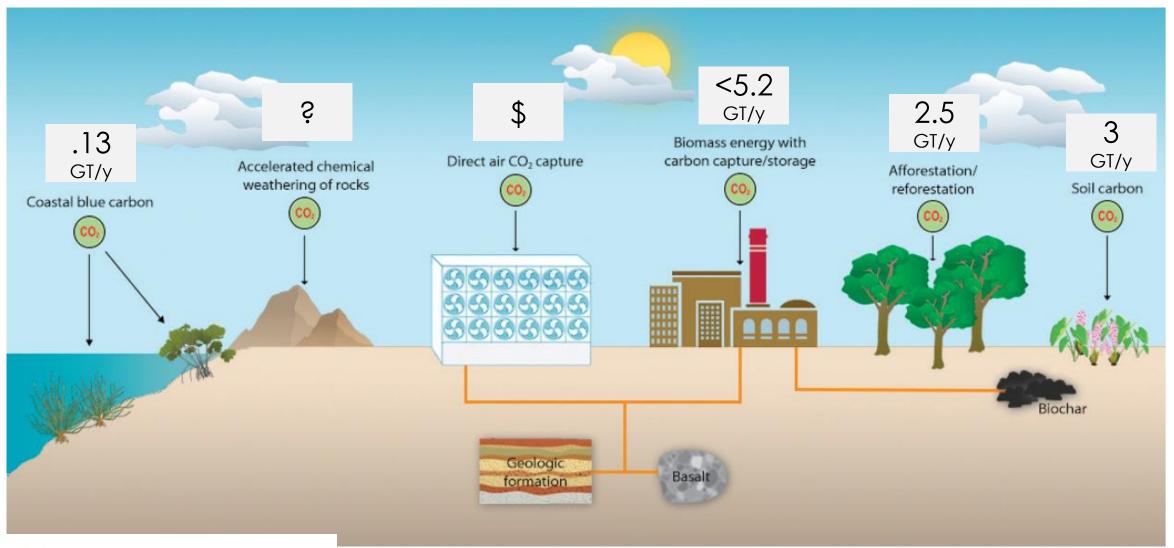


#### What is carbon dioxide removal?

"Anthropogenic activities removing CO2 from the atmosphere and durably storing it in geological, terrestrial, or ocean reservoirs, or in products. It includes existing and potential anthropogenic enhancement of biological or geochemical sinks and direct air capture and **storage**, but excludes natural CO2 uptake not directly caused by human activities."

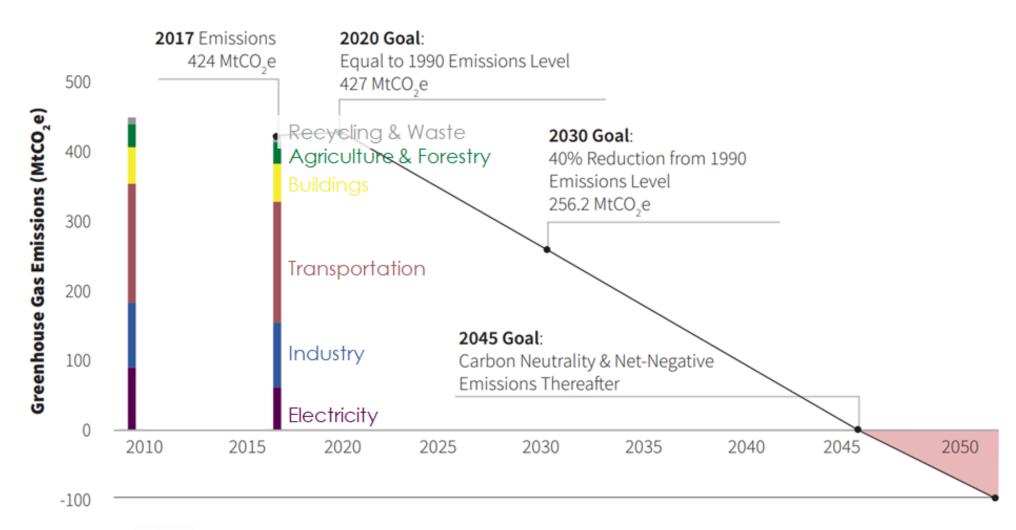


#### Current Negative Emissions Technologies Potential (<\$100/t)





#### Mapping the path to zero (and carbon negativity)











#### Carbon removal orgs in California (not comprehensive)



Direct Air Capture Santa Monica



Direct Air Capture
Oakland



CO<sub>2</sub> to Food Pleasanton



CO<sub>2</sub> to Building Materials Los Gatos



CO<sub>2</sub> to Building Materials Los Angeles



Direct Air Capture Pasadena



CO<sub>2</sub> to Building Materials Multiple Locations\*



Direct Air Capture Palm Springs\*



Ocean Removal



Direct Air Capture San Francisco



Direct Air Capture
Alameda



Direct Air Capture San Francisco



CO<sub>2</sub> to Polymers Berkeley



CO<sub>2</sub> to Fuels Hawthorne



CO<sub>2</sub> to Chemicals Berkeley



Ocean Removal Pasadena



CO<sub>2</sub> to Chemicals
Davis



Carbon Sequestration
Palo Alto



Carbon Sequestration
Berkeley



Carbon Sequestration Livermore



#### **Questions?**