

DOCKETED

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Item 11: Los Medanos Energy Center: Carbon Dioxide Capture Demonstration Project

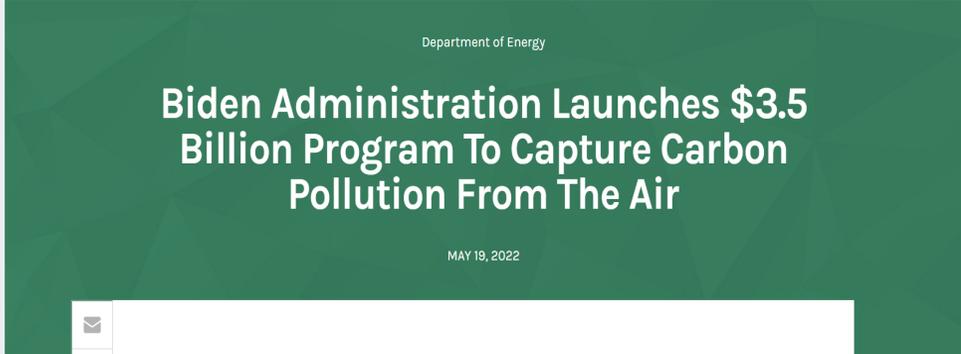
October 12, 2022

Presented by Elizabeth Huber, Division Director
John Heiser, Compliance Project Manager and Jared Babula, Lead Counsel
Siting, Transmission and Environmental Protection Division



Benefits for Californians

First installation of a carbon capture facility at a natural gas combined cycle power plant



Energy.gov » Biden Administration Launches \$3.5 Billion Program To Capture Carbon Pollution From The Air

DOE Announces Bipartisan Infrastructure Law Effort to Establish Regional Direct Air Capture Hubs for Large-Scale CO2 Removal

WASHINGTON, D.C. — The U.S. Department of Energy (DOE) today released a Notice of Intent (NOI) to fund the Bipartisan Infrastructure Law's \$3.5 billion program to capture and store carbon dioxide

al Direct Air Capture Hubs program will support four t each comprise a network of carbon dioxide acts of climate change, creating good-paying jobs vironmental justice. In addition to efforts to deeply : clean power, efficiency, and industrial innovation,

Governor Newsom Signs Sweeping Climate Measures, Ushering in New Era of World-Leading Climate Action

Published: Sep 16, 2022
New California laws will create 4 million jobs, reduce the state's oil use by 91%, cut air pollution by 60%, protect communities from oil drilling, and accelerate the state's transition to clean energy

Legislative package complements record \$54 billion climate budget that focuses on equity and economic opportunity
MARE ISLAND – Today, California enacted some of the nation's most aggressive climate measures in history as Governor Gavin Newsom signed a sweeping package of legislation to cut pollution, protect Californians from big polluters, and accelerate the state's transition to clean energy. The Governor partnered with legislative leaders [this session](#) to advance groundbreaking measures to achieve carbon neutrality no later than 2045 and 90% clean energy by 2035, establish new setback measures protecting communities from oil drilling, capture carbon pollution from the air, advance nature-based solutions, and more.

This is an essential piece of the [California Climate Commitment](#), a record \$54 billion investment in climate action that exceeds what most countries are spending and advances economic opportunity and environmental justice in communities across the state.

Over the next two decades, the California Climate Commitment will:

- Create 4 million new jobs
- Cut air pollution by 60%
- Reduce state oil consumption by 91%
- Save California \$23 billion by avoiding the damages of pollution
- Reduce fossil fuel use in buildings and transportation by 92%
- Cut refinery pollution by 94%



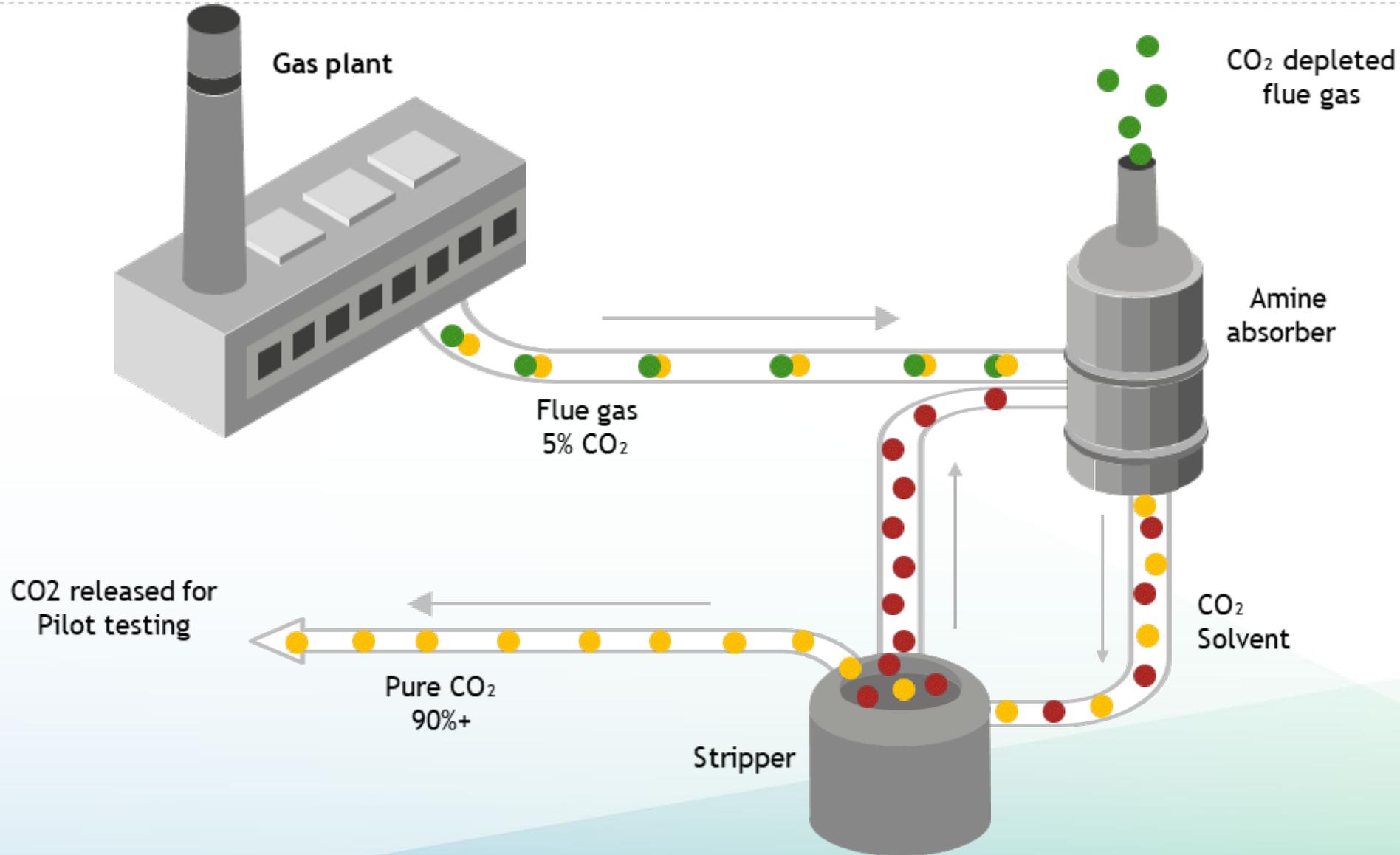


Project Overview

Date	Action
8/17/1999	CEC Approves License
7/09/2001	Units Came Online
5/18/2011	CEC Approves Advanced Gas Path Upgrades
11/30/2020	CEC Staff Approves Software Upgrade for Increasing Firing Temperatures
3/09/2022	CEC Approves Installation of a Flue Gas Pipe for use in a Carbon Dioxide Demonstration Project



Carbon Dioxide Capture Project





Staff Recommendation

Approve petition and adopt new conditions of certification, finding that:

- change will NOT have a significant effect on the environment, or cause the facility to not comply with laws, ordinances, regulations, and standards; and
- change does NOT meet criteria requiring production of a subsequent or supplemental environmental impact report consistent with Public Resources Code section 21166.