

# CARBON TERRAVALT

Supporting California in the energy transition and advancing a Net Zero future.



With some of the most ambitious decarbonization goals in the world, **California is leading the way in pursuing innovative technology solutions to achieve its emissions reduction goals and combat climate change.** At California Resources Corporation (CRC), we are committed to the energy transition and decarbonization of our local economies in alignment with the state's goals.

## Carbon Capture and Storage

Recognized as a key technology in reducing emissions around the world, carbon capture and storage (CCS) can help mitigate climate change by offering both immediate decarbonization benefits and a long-term solution to reach and maintain carbon neutrality.

**CCS is a pillar of CRC's carbon management strategy and 2045 Full-Scope Net Zero goal for Scope 1, 2 and 3 emissions.**

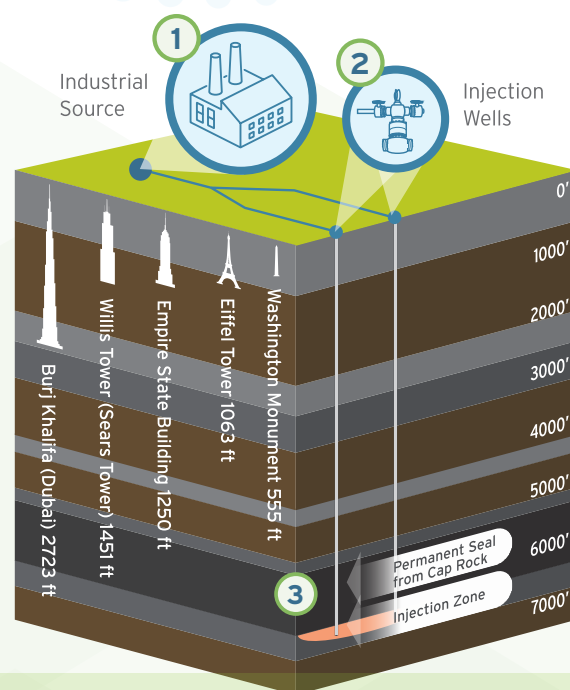
CRC's Net Zero goal places the company among a select few industry peers to include Scope 3 emissions in their Net Zero goal.

At CRC, **we believe our carbon management business is a natural extension of our core competencies.** We are proud to be a leading California company that is able to provide scalable and commercial solutions to help meet California's climate goals.

CRC is committed to empowering and working with our local communities to be a part of the solution in the energy transition. That's why **we are leading carbon capture with several decarbonization initiatives in California** such as Carbon TerraVault.

## Carbon TerraVault

Spanning across California, CRC's Carbon TerraVault (CTV) will provide services that include the capture, transport and storage of carbon dioxide (CO<sub>2</sub>) for its customers. CTV is developing a series of CCS projects that inject CO<sub>2</sub> captured from industrial sources into depleted underground reservoirs and permanently store the CO<sub>2</sub> deep underground.



CCS is the process of capturing CO<sub>2</sub> from industrial processes and transporting and permanently storing it underground. It involves three major steps: **1.** Capturing CO<sub>2</sub> at the source, **2.** Compressing and transporting and **3.** Injecting it deep into a rock formation where it is safely and permanently stored and monitored.



Projected statewide CTV projects have up to  
**1 BILLION MT**  
CO<sub>2</sub> PERMANENT STORAGE

# CALCAPTURE

A real solution for the energy transition and achieving Net Zero carbon emissions.

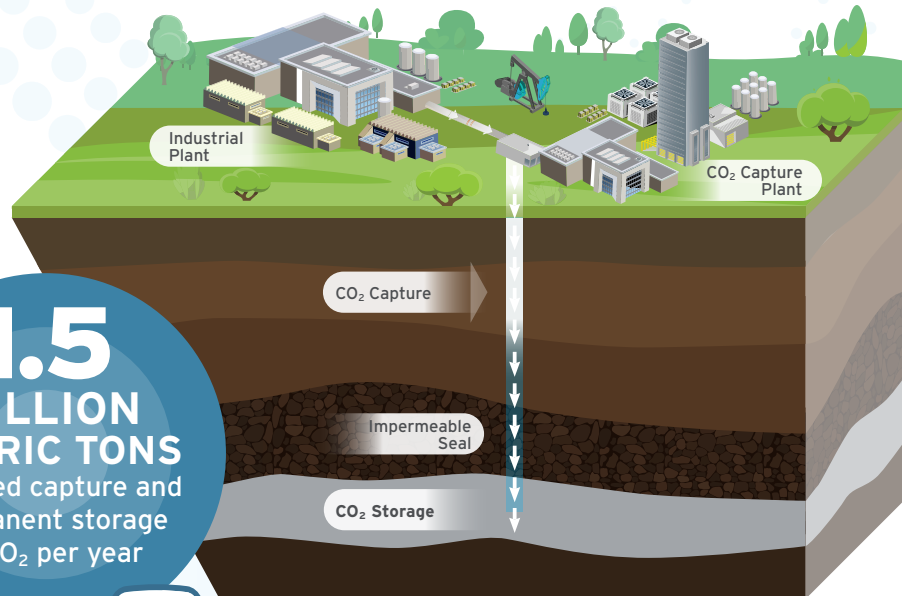
CalCapture is a Carbon TerraVault CCS project that intends to capture carbon dioxide (CO<sub>2</sub>) from the Elk Hills Power Plant, a 550-megawatt (MW) natural gas, combined-cycle power plant, located in Kern County, California, and inject that CO<sub>2</sub> deep underground for permanent sequestration in depleted underground reservoirs.

**CRC's CalCapture project is targeting to capture and permanently store 1.5 million metric tons of CO<sub>2</sub> every year, the equivalent emissions from 300,000 gas-fueled passenger vehicles.** Emissions from the Elk Hills Power Plant will be significantly reduced, further supporting California's climate goals and the Paris Climate Accord.

The International Energy Agency calls carbon capture **"one of the only technology solutions that can significantly reduce emissions from...power generation and deliver the deep emissions reductions needed across key industrial processes..., all of which will remain vital building blocks of modern society."** Similarly, the California Energy Commission has previously identified the Elk Hills Field as "an optimal site for the safe and secure sequestration of CO<sub>2</sub>" and "one of the premier...sequestration sites in the U.S."

For CalCapture, CRC partnered with the Electric Power Research Institute and Fluor Corporation to complete an initial Front-End Engineering Design (FEED) study. The FEED study received financial assistance from both the U.S. Department of Energy (DOE) – **one of only nine carbon capture projects around the country that DOE selected in 2019** – and from the climate investment arm of the Oil and Gas Climate Initiative (OGCI).

Carbon capture is a pillar of CRC's carbon management strategy and 2045 **FULL-SCOPE NET ZERO GOAL FOR SCOPE 1, 2 AND 3 EMISSIONS**



**1.5 MILLION METRIC TONS**  
Targeted capture and permanent storage of CO<sub>2</sub> per year

Equivalent emissions from  
**300,000 GAS-FUELED PASSENGER VEHICLES**  
effectively removed each year

**\$6.3 BILLION**  
in total economic output for Kern County and the state

CALCAPTURE WILL PROVIDE **THOUSANDS OF CONSTRUCTION AND OPERATIONS JOBS** over the lifetime of the project

## TANGIBLE BENEFITS FOR CALIFORNIANS

- ✧ Immediate emissions reductions
- ✧ Clean, safe, affordable energy
- ✧ Low carbon baseload power
- ✧ Global technology leadership