

chevron carbon capture and storage (CCS) initiative in san joaquin valley

what is CCS?

Carbon capture and storage is the process of capturing carbon dioxide (CO₂), either to prevent it from entering the atmosphere or to directly remove it from the atmosphere, and permanently storing that CO₂ underground.

about the proposed project

Chevron aims to reduce the carbon intensity in San Joaquin Valley, California by capturing CO₂ and safely storing the emissions underground, thousands of feet below the surface.

This initiative will begin in our Eastridge facility, co-located within Chevron's Kern County operations. The proposed Eastridge CCS project will entail installing CO₂ post-combustion capture equipment, compressing the CO₂ and then injecting the CO₂ into the subsurface for permanent storage.

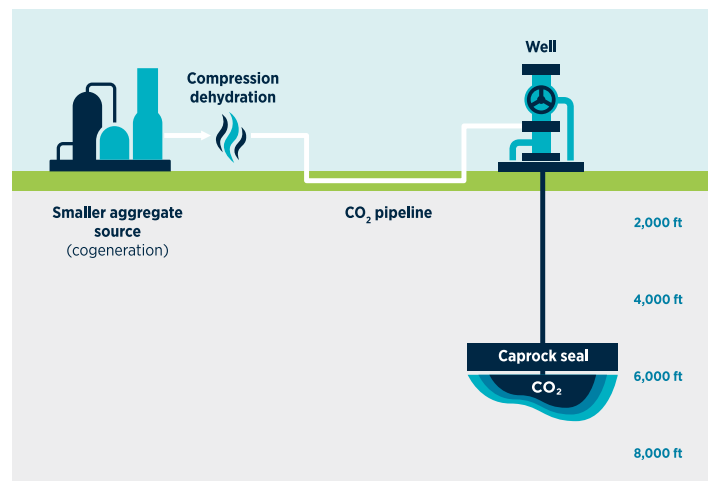
our opportunity

achieving net zero emissions by 2050 is not possible without scaled deployment of carbon capture, utilization, and storage and other carbon dioxide removal technologies
– IPCC 1.5°C special report

- Experts see carbon capture, utilization, and storage (CCUS) as an essential tool in mitigating greenhouse gas emissions and meeting the Paris Agreement goals
- CCUS is predicted to be the largest source of long-term emissions reductions according to the Department of Energy's Industrial Decarbonization Roadmap report

eastridge CCS project benefits

- Project could generate up to 150 jobs
- We expect the Eastridge CCS project to capture up to 300,000 metric tons of CO₂ per year — equivalent to CO₂ emissions from 37,789 homes' energy use for one year
- This proposed project supports California's lower carbon goals



safe and effective CO₂ injection and storage

Chevron has decades of operational experience, a proven track record of carbon capture projects and is already deploying carbon capture and storage technologies in locations across the globe.

- **Safe transportation:** CO₂ is an inert gas. For smaller quantities, it is transported in trucks, such as beverage trucks. Larger quantities of compressed CO₂ are most often transported by pipeline. Chevron has safely operated a CO₂ pipeline in Colorado for 35 years.
- **Safe storage:** CO₂ is injected into carefully selected and secure storage sites within rock formations thousands of feet below the surface.
- **Safe monitoring:** A variety of monitoring technologies have demonstrated the ability to measure, monitor and verify stored CO₂ over its life cycle to ensure it is safely and permanently stored.



visit us at chevron.com/eastridge
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