

Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P. O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
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SCH # 2023060293

Project Title: CarbonFrontier CCS Project by Aera Energy, LLC
Lead Agency: Kern County Planning and Natural Resources Department **Contact Person:** Keith Alvidrez
Mailing Address: 2700 "M" Street Suite 100 **Phone:** (661) 862-5015
City: Bakersfield **Zip:** 93301 **County:** Kern

Project Location: County: Kern City/Nearest Community: Community of Lost Hills
Cross Streets: Lerdo Highway and State Highway 33 Zip Code: 93249 / 93251
Lat. / Long.: 35.49980° N, -119.75522° W (NAD 83) Total Acres: 13,362
Assessor's Parcel No.: Multi Section: Multi Twp.: Multi Range: Multi Base: SBB&M
Within 2 Miles: State Hwy #: SR-33 Waterways: N/A
Airports: N/A Railways: N/A Schools: N/A

Document Type:

CEQA:	<input type="checkbox"/> NOP	<input checked="" type="checkbox"/> Draft EIR	NEPA:	<input type="checkbox"/> NOI	Other:	<input type="checkbox"/> Joint Document
	<input type="checkbox"/> Early Cons	<input type="checkbox"/> Supplement/Subsequent EIR		<input type="checkbox"/> EA		<input type="checkbox"/> Final Document
	<input type="checkbox"/> Neg Dec	(Prior SCH No.) _____		<input type="checkbox"/> Draft EIS		<input type="checkbox"/> Other _____
	<input type="checkbox"/> Mit Neg Dec	Other _____		<input type="checkbox"/> FONSI		

Local Action Type:

<input type="checkbox"/> General Plan Update	<input type="checkbox"/> Specific Plan	<input checked="" type="checkbox"/> Rezone	<input type="checkbox"/> Annexation
<input type="checkbox"/> General Plan Amendment	<input type="checkbox"/> Master Plan	<input type="checkbox"/> Prezone	<input type="checkbox"/> Redevelopment
<input type="checkbox"/> General Plan Element	<input type="checkbox"/> Planned Unit Development	<input checked="" type="checkbox"/> Use Permit	<input type="checkbox"/> Coastal Permit
<input type="checkbox"/> Community Plan	<input type="checkbox"/> Site Plan	<input type="checkbox"/> Land Division (Subdivision, etc.)	<input type="checkbox"/> Other: _____

Development Type:

<input type="checkbox"/> Residential: Units _____ Acres _____	<input type="checkbox"/> Water Facilities: Type _____ MGD _____
<input type="checkbox"/> Office: Sq.ft. _____ Acres _____ Employees _____	<input type="checkbox"/> Transportation: Type _____
<input type="checkbox"/> Commercial: Sq.ft. _____ Acres _____ Employees _____	<input type="checkbox"/> Mining: Mineral _____
<input type="checkbox"/> Industrial: Sq.ft. _____ Acres _____ Employees _____	<input type="checkbox"/> Power: Type _____ MW _____
<input type="checkbox"/> Educational _____	<input type="checkbox"/> Waste Treatment: Type _____ MGD _____
<input type="checkbox"/> Recreational _____	<input type="checkbox"/> Hazardous Waste: Type _____
	<input checked="" type="checkbox"/> Other: Carbon Capture and Storage (CCS)

Project Issues Discussed in Document:

<input checked="" type="checkbox"/> Aesthetic/Visual	<input type="checkbox"/> Fiscal	<input checked="" type="checkbox"/> Recreation/Parks	<input checked="" type="checkbox"/> Vegetation
<input checked="" type="checkbox"/> Agricultural Land	<input checked="" type="checkbox"/> Flood Plain/Flooding	<input checked="" type="checkbox"/> Schools/Universities	<input checked="" type="checkbox"/> Water Quality
<input checked="" type="checkbox"/> Air Quality	<input checked="" type="checkbox"/> Forest Land/Fire Hazard	<input checked="" type="checkbox"/> Septic Systems	<input checked="" type="checkbox"/> Water Supply/Groundwater
<input checked="" type="checkbox"/> Archeological/Historical	<input checked="" type="checkbox"/> Geologic/Seismic	<input checked="" type="checkbox"/> Sewer Capacity	<input checked="" type="checkbox"/> Wetland/Riparian
<input checked="" type="checkbox"/> Biological Resources	<input checked="" type="checkbox"/> Minerals	<input checked="" type="checkbox"/> Soil Erosion/Compaction/Grading	<input checked="" type="checkbox"/> Wildlife
<input type="checkbox"/> Coastal Zone	<input checked="" type="checkbox"/> Noise	<input checked="" type="checkbox"/> Solid Waste	<input checked="" type="checkbox"/> Growth Inducing
<input checked="" type="checkbox"/> Drainage/Absorption	<input checked="" type="checkbox"/> Population/Housing Balance	<input checked="" type="checkbox"/> Toxic/Hazardous	<input checked="" type="checkbox"/> Land Use
<input checked="" type="checkbox"/> Economic/Jobs	<input checked="" type="checkbox"/> Public Services/Facilities	<input checked="" type="checkbox"/> Traffic/Circulation	<input checked="" type="checkbox"/> Cumulative Effects
<input checked="" type="checkbox"/> Other <u>GHG, Wildfire, Tribal Cultural Resources, Energy</u>			

Present Land Use/Zoning/General Plan Designation: Oil and Gas Exploration and Production / A (Exclusive Agriculture), A-1 (Limited Agriculture, NR (20) (Natural Resources – 20 acre min) / 8.1 (Intensive Agriculture), 8.3 (Extensive Agriculture), 8.4 (Mineral and Petroleum), 8.1/2.5 (Intensive Agriculture – Flood Hazard Overlay), 8.3/2.5 (Extensive Agriculture – Flood Hazard Overlay), 8.4/2.5 (Mineral and Petroleum – Flood Hazard Overlay).

Project Description: The proposed project would construct and operate a CCS facility for permanent underground storage of up to 40 million metric tons of carbon dioxide (CO₂) in the storage space (referred to as the 64 Zone reservoir) on approximately 12,362 surface acres in the North and South Belridge oilfield in unincorporated Kern County. The CCS facility would be comprised of four (4) CO₂ capture sites which consist of one (1) pre-combustion and three (3) post-combustion sources, up to nine (9) Class VI underground injection control (UIC) wells, up to eight (8) monitoring wells, and approximately 14.5 miles of CO₂ facility pipelines.

The proposed CCS project would capture CO₂ from an initial source of existing produced gas streams (pre-combustion) and emissions from existing stationary sources (post-combustion) within the South Belridge Oil Field and transport the CO₂ through a facility pipeline to the North Belridge oilfield for injection at up to the nine (9) dedicated Class VI UIC wells. The proposed CO₂ underground storage pace, which is approximately 2,290 acres in size (maximum modeled CO₂ plume area), would be located within the North Belridge oilfield within the CCS Surface Land Area rights held by Aera

Energy and other private owners. Oil and gas production activities would cease within the established CCS underground geologic formation where CO₂ would be stored, prior to commencement of the proposed project.

Implementation of the proposed project includes the following requests :

- Zone Change Cases (ZCC No. 4, Map No 51, ZCC No. 3, Map No. 74, ZCC No. 4, Map No. 75) from A-1 (limited Agriculture) to A (Exclusive Agriculture) on approximately 1,737 acres and from A/NR (Natural Resources – 20-acre minimum) to A (Exclusive Agriculture) on approximately 47 acres.
- Conditional Use Permits (CUP No. 9, Map 51, CUP No. 10, Map 51; CUP No. 7, Map 74; CUP No. 9, Map 74; CUP No. 7, Map 75; CUP No. 11, Map 75; CUP No. 9, Map 96) to permit the construction and operation of the CCS facility on approximately 12,362 acres with site installation of nine (9) Class VI UIC injection wells, up to eight (8) CO₂ monitoring wells, one (1) downhole seismic monitoring station, transport of CO₂ by facility pipeline, and the construction and operation of accessory infrastructure for CO₂ storage capacity of up to 40 million metric tons of CO₂ within the A (Exclusive Agriculture) Zone District.

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with an "X".
 If you have already sent your document to the agency, please denote that with an "S".

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|---|---|
| <input checked="" type="checkbox"/> S Air Resources Board | <input checked="" type="checkbox"/> S Office of Emergency Services |
| <input type="checkbox"/> Boating & Waterways, Department of | <input type="checkbox"/> Office of Historic Preservation |
| <input type="checkbox"/> California Highway Patrol | <input checked="" type="checkbox"/> S Office of Public-School Construction |
| <input checked="" type="checkbox"/> S CalFire | <input type="checkbox"/> Parks & Recreation |
| <input checked="" type="checkbox"/> S Caltrans District # <u>6</u> | <input type="checkbox"/> Pesticide Regulation, Department of |
| <input checked="" type="checkbox"/> S Caltrans Division of Aeronautics | <input type="checkbox"/> Public Utilities Commission |
| <input type="checkbox"/> Caltrans Planning (Headquarters) | <input checked="" type="checkbox"/> S Regional WQCB # <u>Central</u> |
| <input type="checkbox"/> Central Valley Flood Protection Board | <input checked="" type="checkbox"/> S Resources Agency |
| <input type="checkbox"/> Coachella Valley Mountains Conservancy | <input type="checkbox"/> S.F. Bay Conservation & Development Commission |
| <input type="checkbox"/> Coastal Commission | <input type="checkbox"/> San Gabriel & Lower L.A. Rivers and Mtns Conservancy |
| <input type="checkbox"/> Colorado River Board | <input type="checkbox"/> San Joaquin River Conservancy |
| <input checked="" type="checkbox"/> S Conservation, Department of | <input type="checkbox"/> Santa Monica Mountains Conservancy |
| <input type="checkbox"/> Corrections, Department of | <input type="checkbox"/> State Lands Commission |
| <input type="checkbox"/> Delta Protection Commission | <input type="checkbox"/> SWRCB: Clean Water Grants |
| <input type="checkbox"/> Education, Department of | <input checked="" type="checkbox"/> S SWRCB: Water Quality |
| <input checked="" type="checkbox"/> S Energy Commission | <input type="checkbox"/> SWRCB: Water Rights |
| <input checked="" type="checkbox"/> S Fish & Game Region # <u>Fresno</u> | <input type="checkbox"/> Tahoe Regional Planning Agency |
| <input type="checkbox"/> Food & Agriculture, Department of | <input checked="" type="checkbox"/> S Toxic Substances Control, Department of |
| <input type="checkbox"/> General Services, Department of | <input checked="" type="checkbox"/> S Water Resources, Department of |
| <input type="checkbox"/> Health Services, Department of | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Housing & Community Development | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Integrated Waste Management Board | |
| <input checked="" type="checkbox"/> S Native American Heritage Commission | |

Local Public Review Period (to be filled in by lead agency)

Starting Date June 28, 2024 Ending Date July 18, 2024

Lead Agency (Complete if applicable):

Consulting Firm: _____	Applicant: _____
Address: _____	Address: _____
City/State/Zip: _____	City/State/Zip: _____
Contact: _____	Phone _____
Phone: _____	

Signature of Lead Agency Representative: _____ */s/* _____ **Date:** 6/28/2024

Keith Alvidrez, Planner II