

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: NOP Draft EIR NEPA: NOI Other: Joint Document
 Early Cons Supplement/Subsequent EIR EA Final Document
 Neg Dec (Prior SCH No.) Draft EIS Other _____
 Mit Neg Dec Other Response to Comments / FEIR FONSI

Local Action Type:

General Plan Update Specific Plan Rezone Annexation
 General Plan Amendment Master Plan Prezone Redevelopment
 General Plan Element Planned Unit Development Use Permit Coastal Permit
 Community Plan Site Plan Land Division (Subdivision, etc.) Other: _____

Development Type:

Residential: Units _____ Acres _____ Water Facilities: Type _____ MGD _____
 Office: Sq.ft. _____ Acres _____ Employees _____ Transportation: Type _____
 Commercial: Sq.ft. _____ Acres _____ Employees _____ Mining: Mineral _____
 Industrial: Sq.ft. _____ Acres _____ Employees _____ Power: Type _____ MW _____
 Educational _____ Waste Treatment: Type _____ MGD _____
 Recreational _____ Hazardous Waste: Type _____
 Other: Carbon Capture and Storage (CCS)

Project Issues Discussed in Document:

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

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 80 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 type="checkbox"/> Boating & Waterways, Department of | <input type="checkbox"/> Office of Historic Preservation |
| <input type="checkbox"/> California Highway Patrol | <input type="checkbox"/> Office of Public-School Construction |
| <input type="checkbox"/> CalFire | <input type="checkbox"/> Parks & Recreation |
| <input checked="" type="checkbox"/> Caltrans District # <u>6</u> | <input type="checkbox"/> Pesticide Regulation, Department of |
| <input type="checkbox"/> Caltrans Division of Aeronautics | <input type="checkbox"/> Public Utilities Commission |
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| <input checked="" type="checkbox"/> Fish & Game Region # <u>Fresno</u> | <input type="checkbox"/> Tahoe Regional Planning Agency |
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| <input type="checkbox"/> Housing & Community Development | <input type="checkbox"/> Other _____ |
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| <input type="checkbox"/> Native American Heritage Commission | |

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

Starting Date August 30, 2024 Ending Date September 30, 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:** 8/30/2024

Keith Alvidrez, Planner II