



65 Carbon Capture Projects Proposed in Louisiana, Most in U.S.

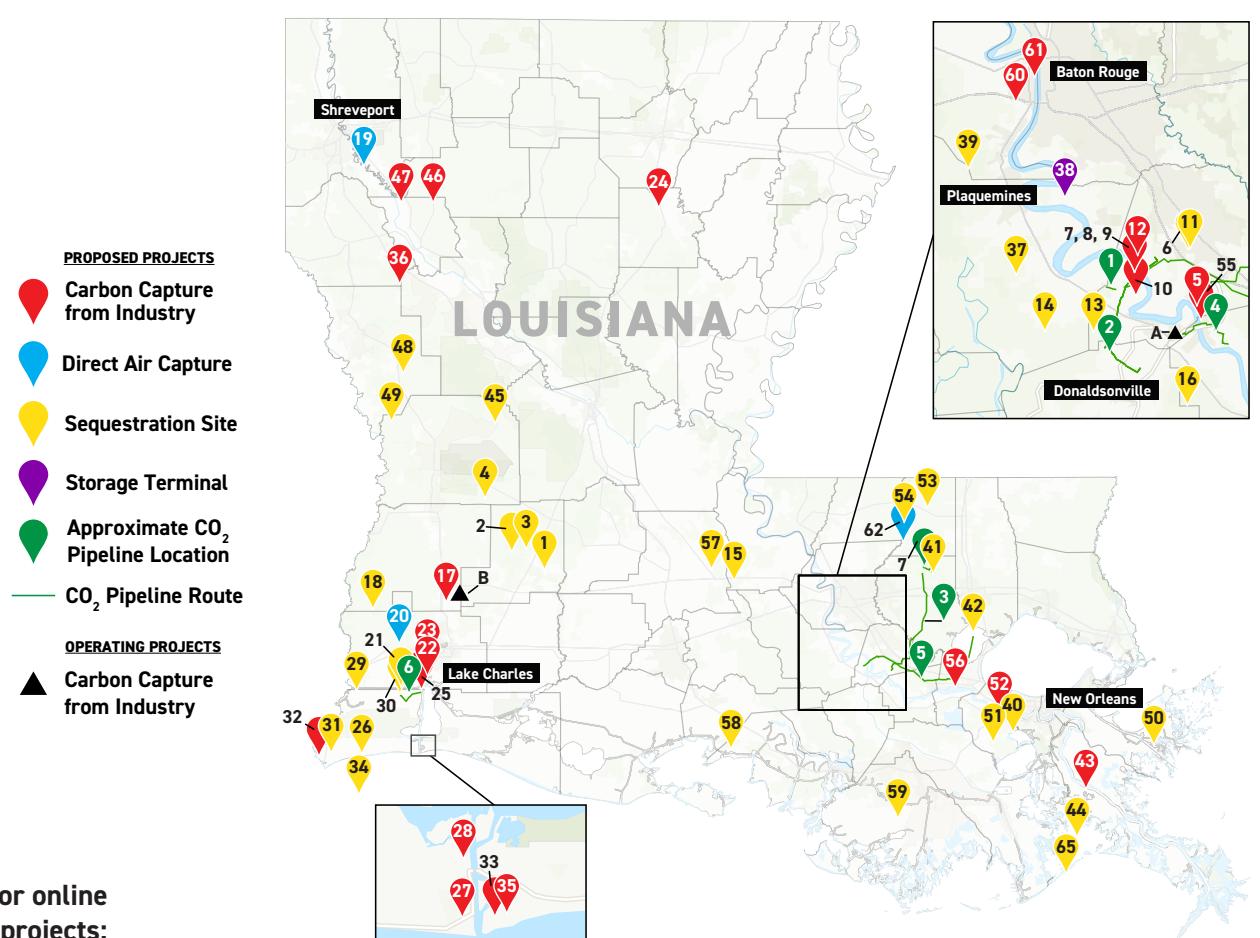
February 11, 2026

Carbon capture and sequestration (CCS) has been touted by the fossil fuel industry and its allies as a way to address greenhouse gas pollution. But it is an untested technology with risks that, so far, has been mostly used to provide taxpayer subsidies to the oil and gas industry. Since federal tax credits for the practice were increased in 2022, a flurry of CCS projects were announced across the United States, especially in the Gulf Coast region. Three years later, only two carbon capture projects have begun operating in Louisiana and only one has received authorization to geologically sequester carbon dioxide.

The Environmental Integrity Project is tracking CCS projects related to the oil, gas, and petrochemical industries. As of January 2026, at least 65 CCS projects

have been proposed in Louisiana, most of any state. These include 30 projects that propose to capture at least 33 million metric tons of carbon dioxide annually from industrial sites or from the air; 35 facilities that propose to inject at least 135 million metric tons of CO₂ into underground reservoirs; and one CO₂ storage terminal. There are also 11 proposed carbon dioxide pipelines.

About a third (11) of the projects would capture carbon dioxide emissions from ammonia and hydrogen manufacturing facilities. Six would capture these pollutants from liquefied natural gas terminals. And nine would capture emissions from natural gas processing plants or renewable fuel refineries.



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list of projects:



*The locations of many proposed carbon pipelines not yet known. See list below.

This data is current as of January 2026, but is subject to change as more information is released. The data comes from a variety of sources, including public databases, government agencies, and industry press. Where the exact project location was not known, coordinates were approximated using the available information where possible. Please see [Oil and Gas Watch](#) for the most recent information. For questions, please contact ogwatch@environmentalintegrity.org.

LIST OF PROPOSED CARBON CAPTURE PROJECTS IN LOUISIANA

#	Location (Parish)	Project Name	Company	Project Type	Announced Capture or Sequestration Amount (Million Metric Tons of CO ₂ Per Year)	CCS Project Status	Permit Status	Associated CCS Facilities
1	Allen	ExxonMobil Hummingbird Carbon Storage Project	ExxonMobil Low Carbon Solutions Onshore Storage LLC	Sequestration Site For Multiple Industries	Unknown	Proposed	UIC Permit Pending	
2	Allen	ExxonMobil Mockingbird Carbon Storage Project	ExxonMobil Low Carbon Solutions Onshore Storage LLC	Sequestration Site For Multiple Industries	Unknown	Proposed	UIC Permit Pending	
3	Allen	Magnolia Sequestration Hub	Magnolia Sequestration Hub LLC, Occidental Chemical Corporation	Sequestration Site For Multiple Industries	4, expand to 10	Proposed	UIC Permit Pending	
4	Allen, Beauregard, Vernon	Denbury Draco Sequestration Hub	Denbury Carbon Solutions LLC	Sequestration Site For Multiple Industries	10	On Hold	UIC Permit Withdrawn	
5	Ascension	Air Products Blue Energy Facility	Air Products Blue Energy LLC	Capture From Hydrogen Plant	5	Proposed	Air Permit Pending	Air Products Blue Energy Sequestration Site
6	Ascension	BKVerde Donaldsonville Sequestration Hub	BKVerde, LLC	Sequestration Site For Multiple Industries	Unknown	Proposed	UIC Permit Pending	
7	Ascension	CF Industries Blue Point Complex	Mitsui & Co., Ltd., CF Industries Blue Point LLC, JERA Co., Ltd.	Capture From Ammonia Plant	2.3 ¹	Proposed	Draft Air Permit	Pelican Sequestration Hub (aka Livingston Parish Sequestration Hub), CF Industries Gulf Coast Blue Ammonia Plant, CF Industries/ Lotte Gulf Coast Blue Ammonia Plant
8	Ascension	CF Industries Gulf Coast Blue Ammonia Plant	CF Industries Holdings Inc	Capture From Ammonia Plant	2.3 ¹	On Hold	Awaiting Permit Application	Pelican Sequestration Hub (aka Livingston Parish Sequestration Hub), CF Industries Blue Point Complex, CF Industries/Lotte Gulf Coast Blue Ammonia Plant

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9	Ascension	CF Industries/Lotte Gulf Coast Blue Ammonia Plant	CF Industries Holdings Inc, Lotte Chemical	Capture From Ammonia Plant	2.3 ¹	Proposed	Awaiting Permit Application	Pelican Sequestration Hub (aka Livingston Parish Sequestration Hub), CF Industries Blue Point Complex, CF Industries Gulf Coast Blue Ammonia Plant
10	Ascension	Clean Hydrogen Works - Ascension Clean Energy Facility	Denbury Carbon Solutions LLC, Mitsui O.S.K. Lines, Clean Hydrogen Works LA-1 LLC, Hafnia	Capture From Ammonia Plant	12	Proposed	Air Permit Issued	
11	Ascension	Denbury Gemini Sequestration Hub	Denbury Carbon Solutions LLC	Sequestration Site For Multiple Industries	10 - 20 ²	On Hold	Awaiting Permit Application	
12	Ascension	Methanex Geismar Methanol Plant	Methanex USA Services LLC	Capture From Methanol Plant	Unknown	On Hold	Awaiting Permit Application	
13	Ascension, Assumption, Iberville	Blue Sky River Parish Sequestration Hub	Blue Sky Infrastructure	Sequestration Site For Multiple Industries	14	Proposed	Draft UIC Permit	
14	Assumption, Iberville, Lafourche, St. James	Harvest Bend CCS Hub	Storegga	Sequestration Site For Multiple Industries	3	Proposed	UIC Permit Pending	
15	Ascension, Iberville, Point Coupee, St. John the Baptist, St. Martin	Capio Sequestration Hub	Capio Sequestration LLC	Sequestration Site for Gron Fuels Low Carbon Plant	1	Proposed	UIC Permit Pending	Gron Fuels Low Carbon Intensity Renewable Fuels Plant
16	Assumption, St. James	Denbury Aries Sequestration Hub	Denbury Carbon Solutions LLC	Sequestration Site For Multiple Industries	10 - 20 ²	On Hold	Awaiting Permit Application	

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17	Beauregard	Louisiana Energy Gateway Gillis Treating/CCS Facility	Louisiana Energy Gateway LLC	Capture From Gas Processing Plant	0.75	Proposed	Draft Air Permit	
18	Beauregard, Calcasieu	Evergreen Sequestration Hub	Molpus Woodland Group, Trace Carbon Solutions LLC	Sequestration Site For Multiple Industries	Unknown	Proposed	UIC Permit Pending	
19	Caddo	Heirloom Project Cypress Northwest DAC Facility	Heirloom Carbon Technologies, Battelle Memorial Institute	Direct Air Capture	0.317	Proposed	Awaiting Permit Application	Central Louisiana Regional Carbon Storage Hub, Climeworks Project Cypress Southwest DAC Facility
20	Calcasieu	Climeworks Project Cypress Southwest DAC Facility	Battelle Memorial Institute, Climeworks Corporation	Direct Air Capture	1	Proposed	Awaiting Permit Application	Central Louisiana Regional Carbon Storage Hub, Heirloom Project Cypress Northwest DAC Facility
21	Calcasieu	Gulf Coast Sequestration Goose Lake Facility	Gulf Coast Sequestration	Sequestration Site For Multiple Industries	2	Proposed	UIC Permit Pending	
22	Calcasieu	Lake Charles Blue Ammonia Plant	Mitsubishi Corp, Proman, Idemitsu Kosan Co, Ltd.	Capture From Ammonia Plant	80% of emissions	Proposed	Awaiting Permit Application	
23	Calcasieu	Lake Charles Methanol Plant	Lake Charles Methanol II, LLC	Capture From Methanol Plant	1	Proposed	Air Permit Issued	
24	Caldwell	Louisiana Green Fuels Renewable Fuels Plant	Louisiana Green Fuels LLC, Strategic Biofuels	Capture from Renewable Diesel or Gasoline Refinery, Sequestration Site	1.36	Proposed	Air Permit Issued, UIC Permit Pending	
25	Cameron	Cameron LNG Facility	Cameron LNG, LLC, Sempra	Capture From LNG Terminal	2	Proposed	Awaiting Permit Application	
26	Cameron	Cameron Parish CO ₂ Hub (aka GeoDura)	Onstream CO2 LLC	Sequestration Site for Commonwealth LNG and Other Industries	9	Proposed	UIC Permit Pending	Commonwealth LNG Terminal

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27	Cameron	Commonwealth LNG Terminal	Commonwealth LNG LLC	Capture From LNG Terminal	Unknown	On Hold	Awaiting Permit Application	Cameron Parish CO ₂ Hub (aka GeoDura)
28	Cameron	G2 Net-Zero Energy Complex	G2 Net-Zero LNG LLC	Capture From Hydrogen Plant	Unknown	On Hold	Awaiting Permit Application	
29	Cameron	Gulf Coast Sequestration Minerva Facility	Gulf Coast Sequestration	Sequestration Site For Multiple Industries	1.3	Proposed	UIC Permit Pending	
30	Cameron	Hackberry Carbon Sequestration Project	Hackberry Carbon Sequestration LLC	Sequestration Site for Cameron LNG Facility	2	Proposed	UIC Permit Issued	Cameron LNG Facility
31	Cameron	Project Gumbo	ConocoPhillips	Sequestration Site For Multiple Industries	Unknown	On Hold	Awaiting Permit Application	
32	Cameron	Sabine Pass LNG Terminal	Sabine Pass LNG LP, Cheniere Energy, Inc.	Capture From LNG Terminal	Unknown	On Hold	Awaiting Permit Application	
33	Cameron	Venture Global Calcasieu Pass LNG Terminal	Venture Global Calcasieu Pass, LLC	Capture From LNG Terminal	0.5	Proposed	Awaiting Permit Application	Venture Global CCS Cameron CO ₂ Sequestration Project, Venture Global CP2 LNG Terminal
34	Cameron	Venture Global Calcasieu Pass LNG Terminal	Venture Global CCS Cameron, LLC	Sequestration Site for Calcasieu Pass and CP2 LNG Terminals	1	Proposed	UIC Permit Pending	Venture Global Calcasieu Pass LNG Terminal, Venture Global CP2 LNG Terminal
35	Cameron	Venture Global CP2 LNG Terminal	Venture Global CP2 LNG LLC	Capture From LNG Terminal	0.5	Proposed	Awaiting Permit Application	Venture Global CCS Cameron CO ₂ Sequestration Project, Venture Global Calcasieu Pass LNG Terminal
36	DeSoto	Ajax Amine Plant	Enable Midstream Partners LP	Capture From Gas Processing Plant	Unknown	Proposed	Air Permit Issued	

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37	Iberville	ExxonMobil Iberville Parish Carbon Sequestration Project	ExxonMobil Low Carbon Solutions Onshore Storage LLC	Sequestration Site For Multiple Industries	Unknown	Proposed	Awaiting Permit Application	
38	Iberville	LBC Baton Rouge Terminal	Aptamus Carbon Solutions LLC, LBC Tank Terminals	CO ₂ Storage Terminal	Unknown	Proposed	Awaiting Permit Application	
39	Iberville, West Baton Rouge	Live Oak CCS Hub	Live Oak CCS LLC	Sequestration Site For Multiple Industries	12.65	Proposed	UIC Permit Pending	
40	Jefferson, St. Charles	High West Sequestration Hub	High West Sequestration LLC, NuQuest Energy LLC	Sequestration Site For Multiple Industries	10	Proposed	UIC Permit Pending	
41	Livingston, St. Helena	Pelican Sequestration Hub (aka Livingston Parish Sequestration Hub)	1PointFive, Weyerhaeuser Company	Sequestration Site for CF Industries Blue Point and Other Industries	6	Proposed	UIC Permit Pending	CF Industries Blue Point Complex
42	Livingston, St. James, St. John the Baptist	Air Products Blue Energy Sequestration Site ³	Air Products Blue Energy LLC	Sequestration Site for Air Products Blue Energy Facility	5	Proposed	UIC Permit Pending	Air Products Blue Energy Facility
43	Plaquemines	Venture Global Plaquemines LNG Terminal	Venture Global Plaquemines LNG, LLC	Capture From LNG Terminal	Unknown	On Hold	Awaiting Permit Application	Venture Global Plaquemines Sequestration Site
44	Plaquemines	Venture Global Plaquemines Sequestration Site	Venture Global CCS Plaquemines, LLC	Sequestration Site for Plaquemines LNG Terminal	Unknown	On Hold	Awaiting Permit Application	Venture Global Plaquemines LNG Terminal
45	Rapides, Vernon	Central Louisiana Regional Carbon Storage Hub	CapturePoint Solutions, LLC	Sequestration Site for Project Cypress Southwest DAC and Other Industries	15	Proposed	UIC Permit Pending	Climeworks Project Cypress Southwest DAC Facility
46	Red River	Magnolia Amine Plant	Enable Midstream Partners LP	Capture From Gas Processing Plant	Unknown	Proposed	Air Permit Issued	
47	Red River	West Bistineau Treating Plant	ETC Texas Pipeline LTD	Capture From Gas Processing Plant	Unknown	Proposed	Air Permit Issued	

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48	Sabine	DTM CCS Hub	DTM Louisiana Gathering LLC, DT Midstream Holdings LLC	Sequestration Site for DTM's Natural Gas Operations	1	Proposed	UIC Permit Pending	
49	Sabine, Vernon	Aethon Energy LA Wilcox Project	Aethon Energy Operating LLC	Sequestration Site for Aethon's Natural Gas Operations	Unknown	On Hold	UIC Permit Pending	
50	St. Bernard	Denbury Pegasus Sequestration Site	Denbury Carbon Solutions LLC	Sequestration Site For Multiple Industries	20	On Hold	Awaiting Permit Application	
51	St. Charles	Libra Sequestration Hub	Lapis Energy	Sequestration Site For Multiple Industries	4	Proposed	UIC Permit Pending	
52	St. Charles	St. Rose Blue Ammonia Facility	St. Charles Clean Fuels LLC, Copenhagen Infrastructure Partners, Sustainable Fuels Group	Capture From Ammonia Plant	5	Proposed	Air Permit Issued	
53	St. Helena	Denbury Virgo Sequestration Hub	Denbury Carbon Solutions LLC, Soterra, LLC	Sequestration Site For Multiple Industries	5 to 10	Proposed	Awaiting Permit Application	
54	St. Helena	Shell El Camino CCS Hub	Shell Catalysts and Technologies	Sequestration Site For Shell Convent Facility and Other Industries	3.6	Proposed	UIC Permit Pending	Shell Convent Manufacturing Facility
55	St. James	Shell Convent Manufacturing Facility	Shell Oil Product US, Equilon Enterprises LLC	Capture From Renewable Diesel or Gasoline Refinery	Unknown	Under Construction	Air Permit Issued	Shell El Camino CCS Hub
56	St. John the Baptist	Woodland Biofuels Complex	Woodland Biofuels Inc.	Capture From Renewable Diesel or Gasoline Refinery, Capture From Hydrogen Plant	0.87	Proposed	Awaiting Permit Application	
57	St. Landry	ExxonMobil St. Landry Parish Carbon Sequestration Project	ExxonMobil Low Carbon Solutions Onshore Storage LLC	Sequestration Site For Multiple Industries	Unknown	Proposed	Awaiting Permit Application	
58	St. Mary	Florence Grove Carbon Storage Hub	Onstream CO ₂ LLC	Sequestration Site For Multiple Industries	Unknown	Proposed	Awaiting Permit Application	

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59	Terrebonne	Milestone Carbon Sequestration Hub	Milestone Carbon	Sequestration Site For Multiple Industries	Unknown	On Hold	Awaiting Permit Application	
60	West Baton Rouge	Gron Fuels Low Carbon Intensity Renewable Fuels Plant	Gron Fuels LLC	Capture From Renewable Diesel or Gasoline Refinery	1	Proposed	Air Permit Issued	Capio Sequestration Hub
61	West Baton Rouge	Port Allen Renewable Gasoline Refinery	Arbor Renewable Gas LLC, Magnolia Renewable Fuels LLC	Capture From Renewable Diesel or Gasoline Refinery	0.5	On Hold	Awaiting Permit Application	
62	Unknown	Pelican Gulf Coast Carbon Removal Project	Shell US Gas & Power LLC, Louisiana State University, University of Houston, Mitsubishi Corp	Direct Air Capture	0.05	Proposed	Awaiting Permit Application	
63	Unknown	Gulf Coast Hydrogen Plant	LyondellBasell Industries, Air Liquide Large Industries US LP, Chevron Products Company, Uniper	Capture From Hydrogen Plant	Unknown	On Hold	Awaiting Permit Application	
64	Unknown	Indorama Blue Ammonia Plant	Indorama Corporation	Capture From Ammonia Plant	Unknown	Proposed	Awaiting Permit Application	
65	Unknown	Louisiana Offshore CO ₂ Hub (aka Project Lochridge)	Cox Operating, Repsol SA, Carbon Zero US, Crescent Midstream	Sequestration Site For Multiple Industries	Unknown	Proposed	Awaiting Permit Application	

Notes: Permit status considers the CCS project at the facility only. Air permits refer to Clean Air Act New Source Review (NSR) pre-construction permits. UIC permits refer to Underground Injection Control permits authorizing carbon dioxide injection (specifically, Class II or Class VI permits). Not every project needs both types of permits. For example, projects only involving carbon capture will only need an air permit authorizing the construction of carbon capture equipment.

¹2.3 million metric tons per year are expected to be captured collectively across all three plants.

²The Aries and Gemini projects were announced as having the collective sequestration capacity of 10-20 million metric tons per year.

LIST OF OPERATING CARBON CAPTURE PROJECTS IN LOUISIANA

#	Location (Parish)	Project Name	Company	Project Type	Announced Capture or Sequestration Amount (Million Metric Tons of CO ₂ Per Year)	CCS Project Status	Associated CCS Facilities
A	Ascension	Donaldsonville Nitrogen Complex	CF Industries Nitrogen, LLC	Capture From Ammonia Plant	2	Operating	ExxonMobil Rose Carbon Storage Hub
B	Beauregard	New Generation Gillis Treating Facility	New Generation Gas Gathering LLC	Capture From Gas Processing Plant	95% of emissions	Operating	

LIST OF PROPOSED CO₂ PIPELINES IN LOUISIANA

#	Location (Parish)	Pipeline Name	Company	Associated Facilities	Operating Status	Route Available?
1	Ascension	Denbury Green to CHW Ascension Clean Energy Project	Denbury Gulf Coast Pipelines, LLC	Clean Hydrogen Works - Ascension Clean Energy Facility	Proposed	Yes
2	Ascension, Assumption	River Parish CO ₂ Pipeline	Blue Sky Infrastructure	Blue Sky River Parish Sequestration Hub	Proposed	Yes
3	Ascension, Livingston	Blue Point-to-Pelican Pipeline	1PointFive	Pelican Sequestration Hub (aka Livingston Parish Sequestration Hub) , CF Industries Blue Point Complex	Proposed	Yes
4	Ascension, St. James	LA-122 and LA-122A CO ₂ Pipeline Lateral	Exxonmobil Low Carbon Logistics CCS Transport	Nucor Steel DRI Plant, Donaldsonville Nitrogen Complex	Proposed	Yes
5	Ascension, St. James, St. John the Baptist, Tangipahoa	Air Products CO ₂ Pipeline	Air Products Blue Energy LLC	Air Products Blue Energy Facility	Proposed	Yes
6	Cameron	Hackberry Sequestration CO ₂ Pipeline	Sempra Infrastructure	Hackberry Carbon Sequestration Project	Proposed	Yes
7	Livingston	Livingston Parish Sequestration Hub CO ₂ Pipeline	EnLink Midstream LLC, 1PointFive	Pelican Sequestration Hub (aka Livingston Parish Sequestration Hub)	Proposed	Yes
8	Ascension	Crescent Midstream CO ₂ Pipeline	Crescent Midstream	Louisiana Offshore CO ₂ Hub (a.k.a. Project Lochridge)	Proposed	No
9	Calcasieu	Lake Charles Lateral	Exxonmobil Low Carbon Logistics CCS Transport	Lake Charles Methanol Plant	Proposed	No
10	Plaquemines	Venture Global CO ₂ Pipeline	Venture Global LNG, Inc.	Venture Global Plaquemines LNG Terminal	On Hold	No
11	Unknown	Energy Transfer CO ₂ Pipeline	Energy Transfer LP, CapturePoint Solutions, LLC	Central Louisiana Regional Carbon Storage Hub	Proposed	No