

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 a largely untested technology 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.

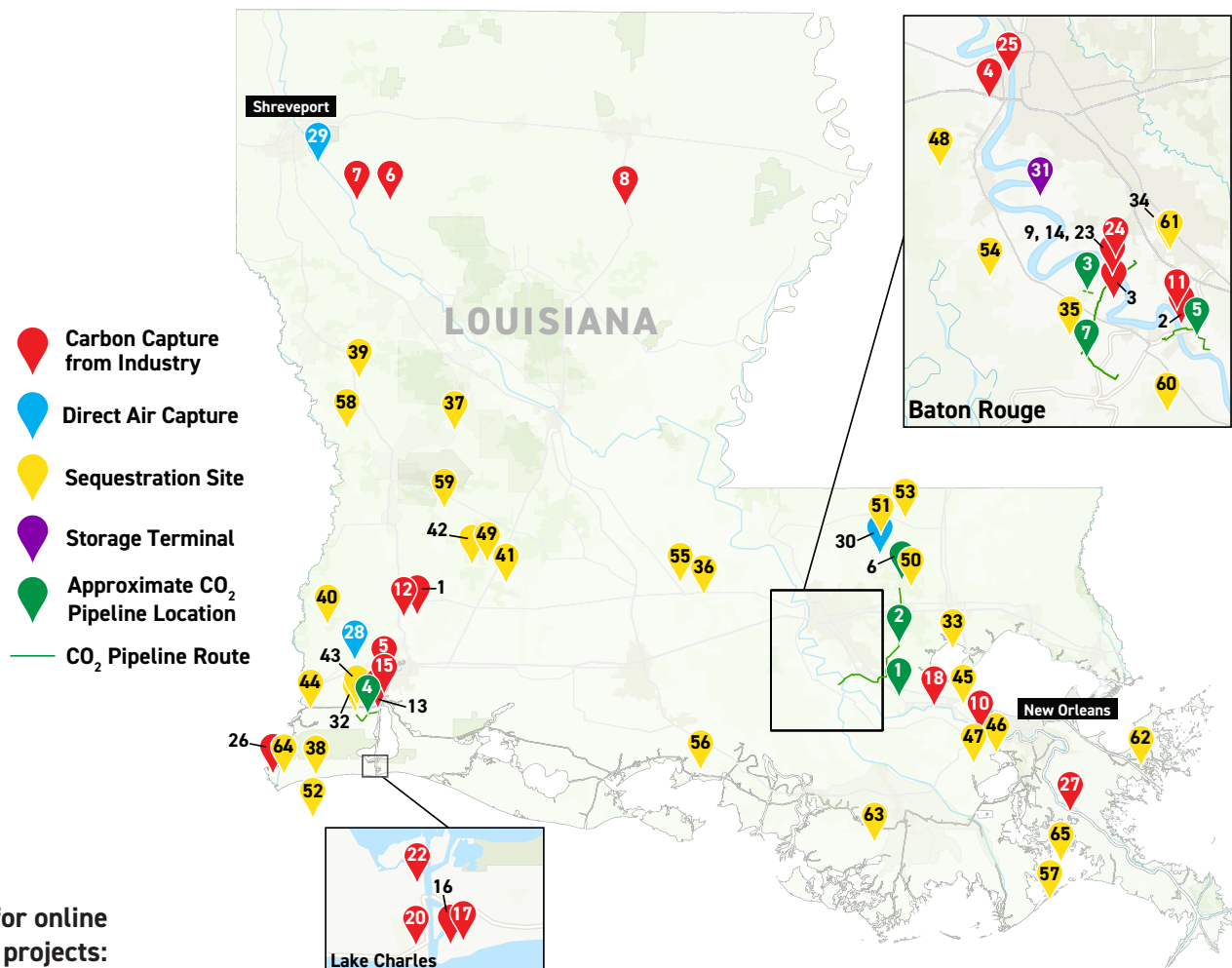
The Environmental Integrity Project is tracking the buildout of CCS projects related to the oil, gas, and petrochemical industries in our free, public database, [Oil & Gas Watch](#).

As of November 2025, at least 65 CCS projects have been proposed in Louisiana. These include 30 projects that propose to capture at least 33 million metric tons of carbon dioxide

emissions from existing or proposed industrial sites or from the air, 35 facilities that propose to inject at least 135 million metric tons of CO₂ into underground reservoirs, and 12 proposed carbon pipelines, which will transport the CO₂ from the point of capture to a sequestration facility. One CO₂ storage terminal has also been announced, which would temporarily store CO₂ until it can be sequestered underground.

About a third (11) of the industrial carbon capture projects would serve low carbon ammonia and hydrogen production. Six projects have been announced at liquefied natural gas (LNG) terminals. Nine projects will capture carbon dioxide emissions from natural gas processing plants or renewable diesel or gasoline refineries.

Since the previous version of this fact sheet (published in December 2023), three projects have been canceled.



**Scan for online
list of projects:**



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

This data is current as of November 2025, 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.

Please see Oil and Gas Watch for the most recent information. For questions, please contact ogwatch@environmentalintegrity.org

LIST OF CARBON CAPTURE PROJECTS IN LOUISIANA

| # | Project Name | Company | Parish | Project Type | Announced Capture or Sequestration Amount (Million Metric Tons of CO ₂ Per Year) | CCS Project Status | Permit Status | Associated CCS Facilities |
|---|--|--|------------------|---|---|--------------------|---------------------------------------|---|
| 1 | New Generation Gillis Treating Facility | New Generation Gas Gathering LLC | Beauregard | Gas Processing Plant | 95% of emissions | Under Construction | Air Permit Issued | |
| 2 | Shell Convent Manufacturing Facility | Shell Oil Product US, Equilon Enterprises LLC | St. James | Renewable Diesel or Gasoline Refinery | Unknown | Under Construction | Air Permit Issued | Shell El Camino CCS Hub |
| 3 | Clean Hydrogen Works - Ascension Clean Energy Facility | Denbury Carbon Solutions LLC, Mitsui O.S.K. Lines, Clean Hydrogen Works LA-1 LLC, Hafnia | Ascension | Ammonia Plant | 12 | Proposed | Air Permit Issued | |
| 4 | Gron Fuels Low Carbon Intensity Renewable Fuels Plant | Gron Fuels LLC | West Baton Rouge | Renewable Diesel or Gasoline Refinery | 1 | Proposed | Air Permit Issued | Capio Sequestration Hub |
| 5 | Lake Charles Methanol Plant | Lake Charles Methanol II, LLC | Calcasieu | Methanol Plant | 1 | Proposed | Air Permit Issued | |
| 6 | Magnolia Amine Plant | Enable Midstream Partners LP | Red River | Gas Processing Plant | Unknown | Proposed | Air Permit Issued | |
| 7 | West Bistineau Treating Plant | ETC Texas Pipeline LTD | Red River | Gas Processing Plant | Unknown | Proposed | Air Permit Issued | |
| 8 | Louisiana Green Fuels Renewable Fuels Plant ³ | Louisiana Green Fuels LLC, Strategic Biofuels | Caldwell | Renewable Diesel or Gasoline Refinery, Sequestration Site | 1.36 | Proposed | Air Permit Issued, UIC Permit Pending | |
| 9 | CF Industries Blue Point Complex | Mitsui & Co., Ltd., CF Industries Blue Point LLC, JERA Co., Ltd. | Ascension | 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 |



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|----|---|--|-------------|----------------------|---|--------------------|-----------------------------|--|
| 10 | St. Rose Blue Ammonia Facility | St. Charles Clean Fuels LLC, Copenhagen Infrastructure Partners, Sustainable Fuels Group | St. Charles | Ammonia Plant | 5 | Proposed | Draft Air Permit | |
| 11 | Air Products Blue Energy Facility | Air Products Blue Energy LLC | Ascension | Hydrogen Plant | 5 | Proposed | Air Permit Pending | Air Products Blue Energy Sequestration Site |
| 12 | Louisiana Energy Gateway Gillis Treating/CCS Facility | Louisiana Energy Gateway LLC | Beauregard | Gas Processing Plant | 0.75 | Proposed | Air Permit Pending | |
| 13 | Cameron LNG Facility | Cameron LNG, LLC, Semptra | Cameron | LNG Terminal | 2 | Proposed | Awaiting Permit Application | |
| 14 | CF Industries/Lotte Gulf Coast Blue Ammonia Plant | CF Industries Holdings Inc, Lotte Chemical | Ascension | 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 |
| 15 | Lake Charles Blue Ammonia Plant | Mitsubishi Corp, Proman, Idemitsu Kosan Co., Ltd. | Calcasieu | Ammonia Plant | 80% of emissions | Proposed | Awaiting Permit Application | |
| 16 | Venture Global Calcasieu Pass LNG Terminal | Venture Global Calcasieu Pass, LLC | Cameron | LNG Terminal | 0.5 | Proposed | Awaiting Permit Application | Venture Global CCS Cameron CO ₂ Sequestration Project, Venture Global CP2 LNG Terminal |



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|----|---|---|----------------------|---|---|--------------------|-----------------------------|--|
| 17 | Venture Global CP2 LNG Terminal | Venture Global CP2 LNG LLC | Cameron | LNG Terminal | 0.5 | Proposed | Awaiting Permit Application | Venture Global CCS Cameron CO ₂ Sequestration Project, Venture Global Calcasieu Pass LNG Terminal |
| 18 | Woodland Biofuels Complex | Woodland Biofuels Inc. | St. John the Baptist | Renewable Diesel or Gasoline Refinery, Hydrogen Plant | 0.87 | Proposed | Awaiting Permit Application | |
| 19 | Indorama Blue Ammonia Plant | Indorama Corporation | Unknown | Ammonia Plant | Unknown | Proposed | Awaiting Permit Application | |
| 20 | Commonwealth LNG Terminal | Commonwealth LNG LLC | Cameron | LNG Terminal | Unknown | On Hold | Awaiting Permit Application | Cameron Parish CO ₂ Hub (aka GeoDura) |
| 21 | Gulf Coast Hydrogen Plant | LyondellBasell Industries, Air Liquide Large Industries US LP, Chevron Products Company, Uniper | Unknown | Hydrogen Plant | Unknown | On Hold | Awaiting Permit Application | |
| 22 | G2 Net-Zero Energy Complex | G2 Net-Zero LNG LLC | Cameron | Hydrogen Plant | Unknown | On Hold | Awaiting Permit Application | |
| 23 | CF Industries Gulf Coast Blue Ammonia Plant | CF Industries Holdings Inc | Ascension | 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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|----|---|--|------------------|---------------------------------------|---|--------------------|-----------------------------|--|
| 24 | Methanex Geismar Methanol Plant | Methanex USA Services LLC | Ascension | Methanol Plant | Unknown | On Hold | Awaiting Permit Application | |
| 25 | Port Allen Renewable Gasoline Refinery | Arbor Renewable Gas LLC, Magnolia Renewable Fuels LLC | West Baton Rouge | Renewable Diesel or Gasoline Refinery | 0.5 | On Hold | Awaiting Permit Application | |
| 26 | Sabine Pass LNG Terminal | Sabine Pass LNG LP, Cheniere Energy, Inc. | Cameron | LNG Terminal | Unknown | On Hold | Awaiting Permit Application | |
| 27 | Venture Global Plaquemines LNG Terminal | Venture Global Plaquemines LNG, LLC | Plaquemines | LNG Terminal | Unknown | On Hold | Awaiting Permit Application | Venture Global Plaquemines Sequestration Site |
| 28 | Climeworks Project Cypress Southwest DAC Facility | Battelle Memorial Institute, Climeworks Corporation | Calcasieu | Direct Air Capture | 1 | Proposed | Awaiting Permit Application | Central Louisiana Regional Carbon Storage Hub, Heirloom Project Cypress Northwest DAC Facility |
| 29 | Heirloom Project Cypress Northwest DAC Facility | Heirloom Carbon Technologies, Battelle Memorial Institute | Caddo | Direct Air Capture | 0.317 | Proposed | Awaiting Permit Application | Central Louisiana Regional Carbon Storage Hub, Climeworks Project Cypress Southwest DAC Facility |
| 30 | Pelican Gulf Coast Carbon Removal Project | Shell US Gas & Power LLC, Louisiana State University, University of Houston, Mitsubishi Corp | Unknown | Direct Air Capture | 0.05 | Proposed | Awaiting Permit Application | |
| 31 | LBC Baton Rouge Terminal | Aptamus Carbon Solutions LLC, LBC Tank Terminals | Iberville | CO ₂ Storage Terminal | Unknown | Proposed | Awaiting Permit Application | |



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|----|--|--|---|--------------------|---|--------------------|--------------------|---|
| 32 | Hackberry Carbon Sequestration Project ³ | Hackberry Carbon Sequestration LLC | Cameron | Sequestration Site | 2 | Proposed | UIC Permit Issued | Cameron LNG Facility |
| 33 | Air Products Blue Energy Sequestration Site ³ | Air Products Blue Energy LLC | Livingston, St. James, St. John the Baptist | Sequestration Site | 5 | Proposed | UIC Permit Pending | Air Products Blue Energy Facility |
| 34 | BKVerde Donaldsonville Sequestration Hub | BKVerde, LLC | Ascension | Sequestration Site | Unknown | Proposed | UIC Permit Pending | |
| 35 | Blue Sky River Parish Sequestration Hub | Blue Sky Infrastructure | Ascension | Sequestration Site | 14 | Proposed | UIC Permit Pending | |
| 36 | Capio Sequestration Hub ³ | Capio Sequestration LLC | Ascension | Sequestration Site | 1 | Proposed | UIC Permit Pending | Gron Fuels Low Carbon Intensity Renewable Fuels Plant |
| 37 | Central Louisiana Regional Carbon Storage Hub | CapturePoint Solutions, LLC | Rapides, Vernon | Sequestration Site | 15 | Proposed | UIC Permit Pending | Climeworks Project Cypress Southwest DAC Facility |
| 38 | Cameron Parish CO ₂ Hub (aka GeoDura) | Onstream CO ₂ LLC | Cameron | Sequestration Site | 9 | Proposed | UIC Permit Pending | Commonwealth LNG Terminal |
| 39 | DTM CCS Hub | DTM Louisiana Gathering LLC, DT Midstream Holdings LLC | Sabine | Sequestration Site | 1 | Proposed | UIC Permit Pending | |
| 40 | Evergreen Sequestration Hub | Molpus Woodland Group, Trace Carbon Solutions LLC | Calcasieu, Beauregard | Sequestration Site | Unknown | Proposed | UIC Permit Pending | |
| 41 | ExxonMobil Hummingbird Carbon Storage Project | ExxonMobil Low Carbon Solutions Onshore Storage LLC | Allen | Sequestration Site | Unknown | Proposed | UIC Permit Pending | |



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|----|---|---|---|--------------------|---|--------------------|--------------------|---|
| 42 | ExxonMobil Mockingbird Carbon Storage Project | ExxonMobil Low Carbon Solutions Onshore Storage LLC | Allen | Sequestration Site | Unknown | Proposed | UIC Permit Pending | |
| 43 | Gulf Coast Sequestration Goose Lake Facility | Gulf Coast Sequestration | Calcasieu | Sequestration Site | 2 | Proposed | UIC Permit Pending | |
| 44 | Gulf Coast Sequestration Minerva Facility | Gulf Coast Sequestration | Cameron | Sequestration Site | 1.3 | Proposed | UIC Permit Pending | |
| 45 | Harvest Bend CCS Hub | Storegga | Iberville, St. James, Assumption, Lafourche | Sequestration Site | 3 | Proposed | UIC Permit Pending | |
| 46 | High West Sequestration Hub | High West Sequestration LLC, NuQuest Energy LLC | St. Charles, Jefferson | Sequestration Site | 10 | Proposed | UIC Permit Pending | |
| 47 | Libra Sequestration Hub | Lapis Energy | St. Charles | Sequestration Site | 4 | Proposed | UIC Permit Pending | |
| 48 | Live Oak CCS Hub | Live Oak CCS LLC | Iberville, West Baton Rouge | Sequestration Site | 12.65 | Proposed | UIC Permit Pending | |
| 49 | Magnolia Sequestration Hub | Magnolia Sequestration Hub LLC, Occidental Chemical Corporation | Allen | Sequestration Site | 4, expand to 10 | Proposed | UIC Permit Pending | |
| 50 | Pelican Sequestration Hub (aka Livingston Parish Sequestration Hub) | 1PointFive, Weyerhaeuser Company | Livingston, St. Helena | Sequestration Site | 6 | Proposed | UIC Permit Pending | CF Industries Blue Point Complex |
| 51 | Shell El Camino CCS Hub | Shell Catalysts and Technologies | St. Helena | Sequestration Site | 3.6 | Proposed | UIC Permit Pending | Shell Convent Manufacturing Facility |
| 52 | Venture Global CCS Cameron CO ₂ Sequestration Project ³ | Venture Global CCS Cameron, LLC | Cameron | Sequestration Site | 1 | Proposed | UIC Permit Pending | Venture Global Calcasieu Pass LNG Terminal, Venture Global CP2 LNG Terminal |



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|----|---|--|---------------------------|--------------------|---|--------------------|-----------------------------|---------------------------|
| 53 | Denbury Virgo Sequestration Hub | Denbury Carbon Solutions LLC, Soterra, LLC | St. Helena | Sequestration Site | 5 to 10 | Proposed | Awaiting Permit Application | |
| 54 | ExxonMobil Iberville Parish Carbon Sequestration Project | ExxonMobil Low Carbon Solutions Onshore Storage LLC | Iberville | Sequestration Site | Unknown | Proposed | Awaiting Permit Application | |
| 55 | ExxonMobil St. Landry Parish Carbon Sequestration Project | ExxonMobil Low Carbon Solutions Onshore Storage LLC | St. Landry | Sequestration Site | Unknown | Proposed | Awaiting Permit Application | |
| 56 | Florence Grove Carbon Storage Hub | Onstream CO ₂ LLC | St. Mary | Sequestration Site | Unknown | Proposed | Awaiting Permit Application | |
| 57 | Louisiana Offshore CO ₂ Hub (a.k.a. Project Lochridge) | Cox Operating, Repsol SA, Carbon Zero US, Crescent Midstream | Unknown | Sequestration Site | Unknown | Proposed | Awaiting Permit Application | |
| 58 | Aethon Energy LA Wilcox Project | Aethon Energy Operating LLC | Sabine, Vernon | Sequestration Site | Unknown | On Hold | UIC Permit Pending | |
| 59 | Denbury Draco Sequestration Hub | Denbury Carbon Solutions LLC | Allen, Beauregard, Vernon | Sequestration Site | 10 | On Hold | UIC Permit Withdrawn | |
| 60 | Denbury Aries Sequestration Hub | Denbury Carbon Solutions LLC | Assumption, St. James | Sequestration Site | 10 - 20 ² | On Hold | Awaiting Permit Application | |
| 61 | Denbury Gemini Sequestration Hub | Denbury Carbon Solutions LLC | Ascension | Sequestration Site | 10 - 20 ² | On Hold | Awaiting Permit Application | |
| 62 | Denbury Pegasus Sequestration Site | Denbury Carbon Solutions LLC | St. Bernard | Sequestration Site | 20 | On Hold | Awaiting Permit Application | |



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|----|--|-------------------------------------|-------------|--------------------|---|--------------------|-----------------------------|---|
| 63 | Milestone Carbon Sequestration Hub | Milestone Carbon | Terrebonne | Sequestration Site | Unknown | On Hold | Awaiting Permit Application | |
| 64 | Project Gumbo | ConocoPhillips | Cameron | Sequestration Site | Unknown | On Hold | Awaiting Permit Application | |
| 65 | Venture Global Plaquemines Sequestration Site ³ | Venture Global CCS Plaquemines, LLC | Plaquemines | Sequestration Site | Unknown | On Hold | Awaiting Permit Application | Venture Global Plaquemines LNG Terminal |

| Project Name | Company | Parish | Project Type | Announced Capture or Sequestration Amount (Million Metric Tons of CO ₂ Per Year) | CCS Project Status | Associated CCS Facilities |
|--|---|-----------|----------------------|---|------------------------|------------------------------------|
| Donaldsonville Nitrogen Complex | CF Industries Nitrogen, LLC | Ascension | Ammonia Plant | 2 | Operating ⁴ | ExxonMobil Rose Carbon Storage Hub |
| Ajax Amine Plant | Enable Midstream Partners LP | DeSoto | Gas Processing Plant | Unknown | Operating ⁴ | |
| ExxonMobil Pecan Island Area CCS Project | ExxonMobil Low Carbon Solutions Onshore Storage LLC | Vermilion | Sequestration Site | 3.2 | Canceled ⁴ | |
| Nutrien Geismar Ammonia Plant | PCS Nitrogen Fertilizer, LP | Ascension | Ammonia Plant | 90% of emissions | Canceled ⁴ | |
| Project Roux Sequestration Hub | ConocoPhillips | Lafourche | Sequestration Site | Unknown | Canceled ⁴ | |

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.

³These sequestration sites are being developed specifically to store carbon dioxide from a specific carbon capture project and are not currently expected to store CO₂ from any other source.

⁴These projects are no longer proposed and are here as updates to the previous iteration of this fact sheet.



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LIST OF PROPOSED CO₂ PIPELINES IN LOUISIANA

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



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