

# Carbon Capture and Storage in Texas

December 2025

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 tax credits 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 one carbon capture project has begun operating in Texas and one other has received authorization to geologically sequester carbon dioxide.

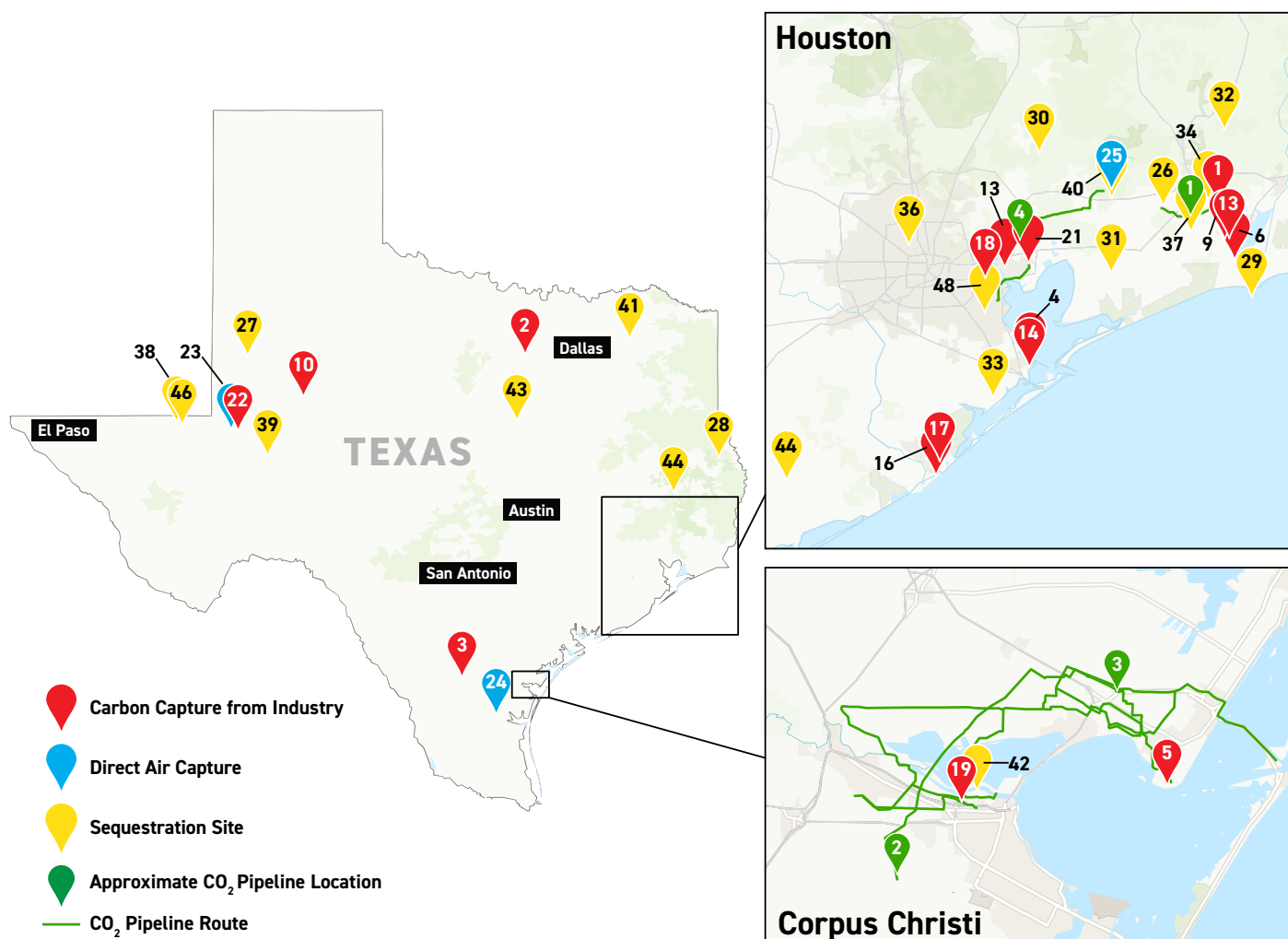
The Environmental Integrity Project is tracking the buildout of CCS projects related to the oil, gas, and petrochemical industries in our free, public database, [Oil & Gas Watch](#).

**As of November 2025, at least 48 CCS projects have been proposed in Texas.** These include 25 projects that propose

to capture at least 40 million metric tons of carbon dioxide emissions from existing or proposed industrial sites or from the air, 30 facilities that propose to inject at least 130 million metric tons of captured CO<sub>2</sub> in underground reservoirs, and 4 proposed carbon pipelines, which will transport the CO<sub>2</sub> from the point of capture to a sequestration facility.

Nearly half of the industrial carbon capture projects (10) would serve low carbon ammonia and hydrogen production. Four projects have been announced at liquefied natural gas (LNG) terminals and pretreatment facilities. Three projects will capture carbon dioxide emissions from natural gas processing plants.

Since the previous version of this fact sheet (published in April 2024), 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. Please see Oil and Gas Watch for the most recent information. For questions, please contact [ogwatch@environmentalintegrity.org](mailto:ogwatch@environmentalintegrity.org)

## LIST OF CARBON CAPTURE PROJECTS IN TEXAS

#	Project Name	Company	County	Project Type	Announced Capture or Sequestration Amount (Million Metric Tons of CO <sub>2</sub> Per Year)	CCS Project Status	Permit Status	Associated CCS Facilities
1	Linde Nederland Facility	Linde Inc	Jefferson	Hydrogen Plant	1.7	Under Construction	Air Permit Issued	Woodside Beaumont Clean Ammonia Complex (formerly OCI Beaumont Clean Ammonia)
2	Cotton Cove Gas Plant	BKV Midstream LLC, BKV dCarbon Ventures LLC	Tarrant	Gas Processing Plant, Sequestration Site	0.08	Proposed	UIC Permit Issued	
3	Las Tiendas Natural Gas Processing Plant	Energy Transfer LP, BKV dCarbon Ventures LLC	McMullen	Gas Processing Plant, Sequestration Site	0.09	Proposed	UIC Permit Issued	
4	Sandpiper Blue Methanol Plant	Sandpiper Chemicals LLC	Galveston	Methanol Plant	Unknown	Proposed	Air Permit Issued	
5	Enbridge/Yara Ingleside Blue Ammonia Plant (Project YaREN)	Enbridge Ingleside LLC, Yara International, Ingleside Clean Ammonia Partners LLC	San Patricio	Ammonia Plant	95% of emissions	Proposed	Draft Air Permit	
6	Port Arthur LNG Export Terminal	Port Arthur LNG, LLC, Semptra	Jefferson	LNG Terminal, Sequestration Site	Unknown	Proposed	UIC Permit Pending, Awaiting Air Permit Application	
7	BKV East Texas CCS Project	BKV Corporation	Unknown	Gas Processing Plant, Sequestration Site	0.07	Proposed	Awaiting Permit Application	
8	Coastal Bend LNG	Coastal Bend LNG	Unknown	LNG Terminal	Unknown	Proposed	Awaiting Permit Application	
9	Cormorant Clean Energy Project	8 Rivers Capital LLC	Jefferson	Ammonia Plant	99% of emissions	Proposed	Awaiting Permit Application	



To learn more about **Oil & Gas Watch**, visit [oilandgaswatch.org](https://oilandgaswatch.org)

## LIST OF CARBON CAPTURE PROJECTS IN TEXAS

#	Project Name	Company	County	Project Type	Announced Capture or Sequestration Amount (Million Metric Tons of CO <sub>2</sub> Per Year)	CCS Project Status	Permit Status	Associated CCS Facilities
10	Delek Big Spring Refinery	Delek US Holdings, Inc.	Howard	Oil Refinery	0.15	Proposed	Awaiting Permit Application	
11	Pathway Energy SAF Plant	Pathway Energy, LLC	Jefferson	Renewable Diesel or Gasoline Refinery	1.9	Proposed	Air Permit Pending	
12	Ten08 Clean Ammonia Plant	Ten08 Energy	Unknown	Ammonia Plant	Unknown	Proposed	Awaiting Permit Application	
13	ExxonMobil Baytown Olefins Plant	ExxonMobil Corporation	Harris	Hydrogen Plant	Unknown	On Hold	Air Permit Pending	ExxonMobil Baytown Chemical Plant
14	Blue Bayou Ammonia Plant	Blue Bayou Ammonia LLC	Galveston	Hydrogen/Ammonia Plant	1.5	On Hold	Awaiting Permit Application	
15	Chevron Crescent Bayou Complex	Crescent Bayou LLC, Chevron U.S.A. Inc	Jefferson	Hydrogen/Ammonia Plant	95% of emissions	On Hold	Awaiting Permit Application	
16	Freeport LNG Liquefaction Facility & Export Terminal	Freeport LNG Development, L.P.	Brazoria	LNG Terminal	0.5-1.5'	On Hold	Awaiting Permit Applications	
17	Freeport LNG Pretreatment Facility	Freeport LNG Development, L.P.	Brazoria	LNG Terminal, Sequestration Site	0.5-1.5'	On Hold	Awaiting Permit Applications	
18	Houston Ship Channel Low-Carbon Ammonia Plant	INPEX Corporation, LSB Industries, Air Liquide Large Industries US LP, Vopak Moda Houston LLC	Harris	Ammonia Plant	1.6	On Hold	Awaiting Permit Application	
19	Javelina Gas Processing Facility	HEP Javelina Company LLC	Nueces	Hydrogen Plant	Unknown	On Hold	Awaiting Permit Application	Coastal Bend CCS Hub



To learn more about **Oil & Gas Watch**, visit [oilandgaswatch.org](https://oilandgaswatch.org)

## LIST OF CARBON CAPTURE PROJECTS IN TEXAS

#	Project Name	Company	County	Project Type	Announced Capture or Sequestration Amount (Million Metric Tons of CO <sub>2</sub> Per Year)	CCS Project Status	Permit Status	Associated CCS Facilities
20	JERA/Uniper/ConocoPhillips Gulf Coast Ammonia Plant <sup>3</sup>	Uniper, ConocoPhillips, JERA Americas	Unknown	Ammonia Plant	Unknown	On Hold	Awaiting Permit Application	
21	Baytown Energy Center	Calpine Texas CCUS Holdings, Calpine Corporation	Chambers	Power Plant	2	On Hold	Awaiting Permit Application	Covestro Industrial Park - Baytown Plant
22	Nacero Penwell Facility	Nacero TX 1 LLC	Ector	Power Plant	1.5	On Hold	Air Permit Void	
23	Stratos Direct Air Capture Facility	Oxy USA Inc., 1PointFive P1, LLC	Ector	Direct Air Capture, Sequestration Site	0.5	Under Construction	Air Permit Issued, UIC Permit Issued	
24	South Texas DAC Hub	1PointFive P1, LLC, Oxy USA Inc.	Kleberg	Direct Air Capture, Sequestration Site	1, expand to 30	Proposed	UIC Permit Pending, Awaiting Air Permit Application	
25	Houston Area DAC Hub	GE Research	Liberty, Hardin	Direct Air Capture	1	On Hold	Awaiting Permit Application	
26	ExxonMobil Rose Carbon Storage Hub	ExxonMobil Low Carbon Solutions Onshore Storage LLC	Jefferson	Sequestration Site	5	Proposed	UIC Permit Issued	Donaldsonville Nitrogen Complex
27	Orchard Carbon Storage Hub	Orchard Storage Company LLC	Gaines	Sequestration Site	2.3	Proposed	Draft UIC Permit	
28	Aethon TXCCS #1 Storage Project	Aethon Energy Operating LLC	Sabine, San Augustine	Sequestration Site	Unknown	Proposed	UIC Permit Pending	
29	Bayou Bend CCS Hub	Chevron Corporation, TotalEnergies, Equinor	Chambers	Sequestration Site	Unknown	Proposed	UIC Permit Pending	
30	BKVerde Whites Bayou CCS Project	BKVerde, LLC	Liberty	Sequestration Site	0.5	Proposed	UIC Permit Pending	



To learn more about **Oil & Gas Watch**, visit [oilandgaswatch.org](https://oilandgaswatch.org)

## LIST OF CARBON CAPTURE PROJECTS IN TEXAS

#	Project Name	Company	County	Project Type	Announced Capture or Sequestration Amount (Million Metric Tons of CO <sub>2</sub> Per Year)	CCS Project Status	Permit Status	Associated CCS Facilities
31	Bluebonnet CCS Hub	1PointFive	Chambers, Liberty, Jefferson	Sequestration Site	2.7	Proposed	UIC Permit Pending	
32	BP Jasper County Storage Facility	BP Carbon Solutions LLC	Jasper	Sequestration Site	Unknown	Proposed	UIC Permit Pending	
33	BP West Bay Carbon Storage Hub	BP Carbon Solutions LLC	Galveston	Sequestration Site	Unknown	Proposed	UIC Permit Pending	
34	Caliche Beaumont Sequestration Project	CDP II CO <sub>2</sub> Sequestration LLC	Jefferson	Sequestration Site	Unknown	Proposed	UIC Permit Pending	
35	ConocoPhillips Refugio CCS Hub	ConocoPhillips Texas Gulf Coast CCS LLC	Aransas, Refugio	Sequestration Site	Unknown	Proposed	UIC Permit Pending	
36	Corpus Christi Offshore Sequestration Hub	Mitsui E&P USA, Posco International Corporation, Carbonvert Inc, Repsol SA	Aransas	Sequestration Site	20	Proposed	UIC Permit Pending	
37	ExxonMobil Sunflower Carbon Storage	ExxonMobil Low Carbon Solutions Onshore Storage LLC	Jefferson	Sequestration Site	Unknown	Proposed	UIC Permit Pending	
38	Milestone Carbon Delaware CCS Hub	Milestone Carbon	Loving	Sequestration Site	2	Proposed	UIC Permit Pending	
39	Milestone Carbon Midland CCS Hub	Milestone Carbon	Upton, Midland	Sequestration Site	1	Proposed	UIC Permit Pending	
40	Pineywoods CCS Hub	Pineywoods CCS LLC	Liberty, Hardin	Sequestration Site	5	Proposed	UIC Permit Pending	
41	Sugarberry CCS Hub	Sugarberry CCS LLC	Hopkins	Sequestration Site	3.5	Proposed	UIC Permit Pending	
42	Coastal Bend CCS Hub	Storegga, Howard Energy Partners	Nueces	Sequestration Site	1-1.5	Proposed	Awaiting Permit Application	Javelina Gas Processing Facility



To learn more about **Oil & Gas Watch**, visit [oilandgaswatch.org](https://oilandgaswatch.org)

## LIST OF CARBON CAPTURE PROJECTS IN TEXAS

#	Project Name	Company	County	Project Type	Announced Capture or Sequestration Amount (Million Metric Tons of CO <sub>2</sub> Per Year)	CCS Project Status	Permit Status	Associated CCS Facilities
43	Cottonwood CCS Hub	Tenaska	Bosque	Sequestration Site	Unknown	Proposed	Awaiting Permit Application	
44	1PointFive Polk County CCS Hub	1PointFive	Polk	Sequestration Site	Unknown	Proposed	Awaiting Permit Application	
45	Bluewood CCS Hub	Tenaska	Bee, Refugio, San Patricio	Sequestration Site	Unknown	Proposed	Awaiting Permit Application	
46	Ozona Sequestration Hub	Ozona CCS LLC	Loving	Sequestration Site	Unknown	Proposed	Awaiting Permit Application	
47	Denbury Dorado Sequestration Hub	Denbury Carbon Solutions LLC	Matagorda	Sequestration Site	5-10	On Hold	Awaiting Permit Application	
48	Houston CCS Innovation Hub	INEOS USA LLC, Shell Oil Product US, ExxonMobil Corporation, Linde Inc, Marathon Petroleum LLC, BASF Corporation, LyondellBasell Industries, Phillips 66 Company, Air Liquide Large Industries US LP, Marathon Petroleum LLC, Chevron Products Company, Dow Chemical Company, Calpine Corporation, NRG Energy	Harris	Sequestration Site	50	On Hold	Awaiting Permit Application	



To learn more about **Oil & Gas Watch**, visit [oilandgaswatch.org](https://oilandgaswatch.org)

## LIST OF CARBON CAPTURE PROJECTS IN TEXAS

Project Name	Company	Parish	Project Type	Announced Capture or Sequestration Amount (Million Metric Tons of CO <sub>2</sub> Per Year)	CCS Project Status
Air Products Syngas Texas City	Air Products LLC	Galveston	Hydrogen Plant	Unknown	Canceled <sup>2</sup>
Rio Grande LNG	Rio Grande LNG	Cameron	LNG Terminal, Sequestration Site	5	CCS Canceled <sup>2</sup>
South Texas Energy Complex	Raven Petroleum LLC	Duval	Hydrogen Plant	Unknown	Canceled <sup>2</sup>
Barnett Shale Carbon Capture and Sequestration Project (aka Barnett Zero)	EnLink Midstream LLC, BKV Corporation	Wise	Gas Processing Plant, Sequestration Site	0.2	Operating <sup>2</sup>

**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). Facilities may require additional 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.

<sup>1</sup>Both of these facilities are expected to collectively capture between 500,000 and 1.5 million metric tons per year.

<sup>2</sup>These projects are no longer proposed and are here as updates to the previous iteration of this fact sheet.

<sup>3</sup>The location of this project has not been announced. It may be located in Louisiana or Texas.

## LIST OF PROPOSED CO<sub>2</sub> PIPELINES IN TEXAS

#	Pipeline Name	Company	Associated Facilities	Operating Status	Route Available?
1	TX-245 Rose CCS	Low Carbon Logistics (ExxonMobil)	ExxonMobil Rose Carbon Storage Hub, Linde Nederland Facility	Under Construction	Yes
2	Corpus Christi CO <sub>2</sub> Pipeline	Enbridge Inc., Oxy Low Carbon Ventures LLC	Enbridge Ingleside Energy Center	Proposed	Yes
3	Coastal Bend CCS Pipeline	Howard Energy Partners, Port of Corpus Christi Authority, Talos Energy	Coastal Bend CCS Hub	Proposed	Yes
4	Pineywoods CO <sub>2</sub> Pipeline	Tenaska	Pineywoods CCS Hub	Proposed	Yes



To learn more about **Oil & Gas Watch**, visit [oilandgaswatch.org](https://oilandgaswatch.org)