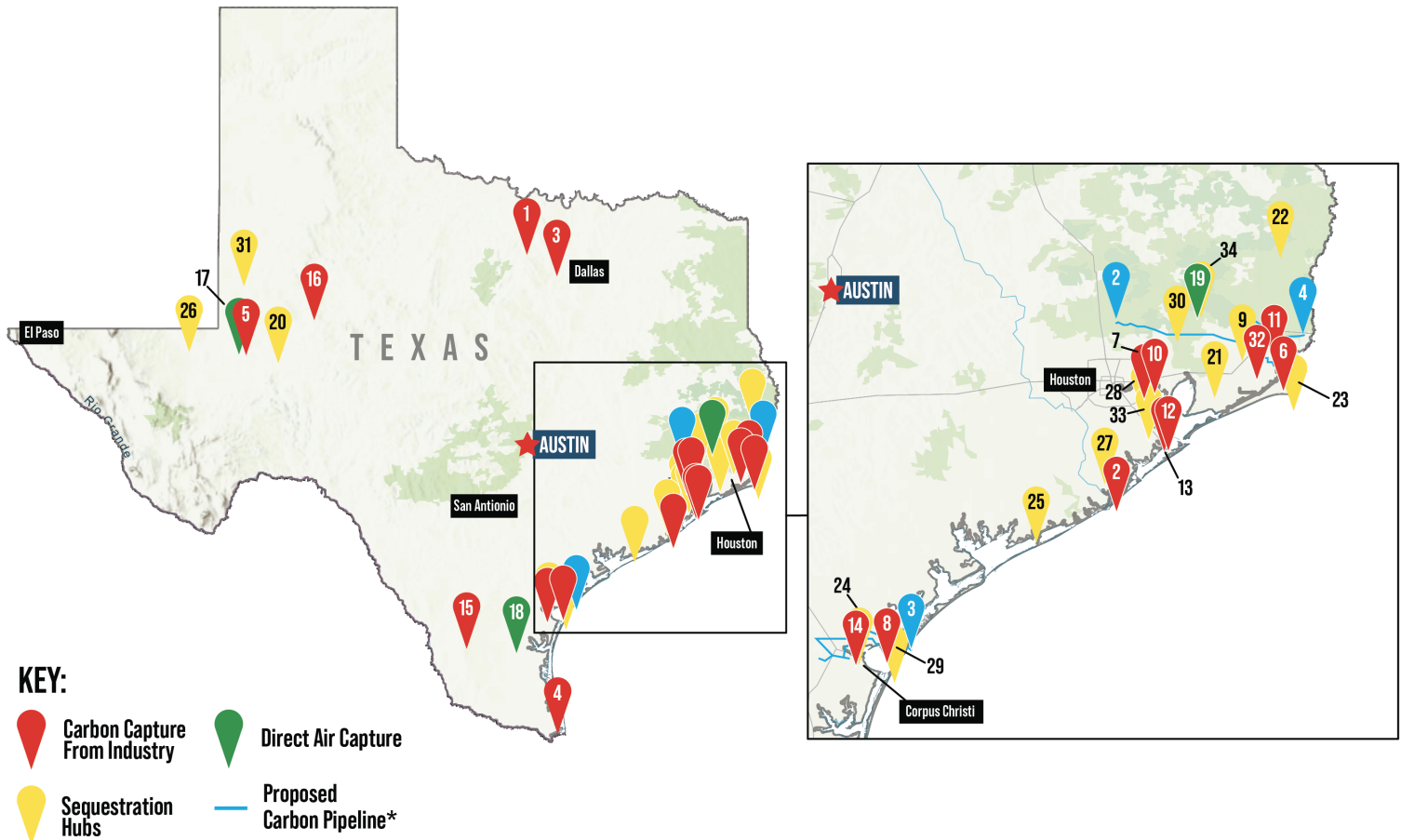


# Carbon Capture and Storage in Texas

**Carbon capture and storage (CCS)** has been touted as the solution to decarbonizing industry in the United States. The oil and gas industry has embraced carbon capture – often to inject carbon dioxide into the ground to produce more oil – and this practice is being subsidized by billions of dollars from the federal government. Of the 24 projects with EPA-approved monitoring, reporting, and verification plans, three quarters are by oil and gas companies, usually for “enhanced oil recovery” that will produce more petroleum to be burned. It remains unclear if the technology will work as a strategy to address climate change, in part because it subsidizes fossil fuel extraction and the monitoring data is entirely self-reported to EPA by companies, with no third-party verification.

The Environmental Integrity Project’s [Oil & Gas Watch](#) website is a free, public database that tracks new and expanding projects in the oil, gas and petrochemical industries and has been following associated carbon capture projects. As of April 2024, we have collected data on 136 proposed carbon capture and storage projects across the U.S., including 55 in Louisiana and 34 in Texas. These include projects to capture carbon from the smokestacks of industrial operations – or directly from the air – and pipe it underground for storage, including in regional networks or “hubs.” Oil & Gas Watch is also tracking 19 proposed carbon pipeline projects.

Below is a map and list showing the **34 proposed carbon capture projects in Texas**, including nine hydrogen or ammonia plants, three liquefied natural gas (LNG) terminals, and two gas processing plants.



\*The location of one proposed carbon pipeline is not yet known. See list below.

## PROPOSED CARBON CAPTURE PROJECTS IN TEXAS

#	Project Name	Company	County	Project Type	Announced Capture or Sequestration Amount (Metric Tons of CO2 Per Year)	Planned Operating Date
1	Barnett Shale Carbon Capture and Sequestration Project	BKV Corporation, EnLink Midstream LLC	Wise	Gas Processing	280,000	Operating as of 2023
2	Freeport LNG Liquefaction Facility	Freeport LNG Development, L.P.	Brazoria	LNG Terminal	650	2024
3	Cotton Cove CCS Project	BKV-BPP Cotton Cove LLC	Tarrant	Gas Processing	45,000	2024
4	Rio Grande LNG Terminal	Rio Grande LNG, LLC	Cameron	LNG Terminal	5,000,000	2028
5	Nacero Penwell Facility	Nacero TX 1 LLC	Ector	Natural Gas to Gasoline	1,000,000	2027
6	Linde Nederland Facility	Linde Inc	Jefferson	Hydrogen	2,000,000	2025
7	Houston Ship Channel Low-Carbon Ammonia Plant	Air Liquide Large Industries US LP, INPEX Corporation, LSB Industries, Vopak Moda Houston LLC	Harris	Ammonia	1,600,000	2027
8	Enbridge Ingleside Energy Center	Enbridge Ingleside LLC, Yara International	San Patricio	Hydrogen, Ammonia	95% of emissions from hydrogen/ammonia plant	2027
9	Cormorant Clean Energy Project	8 Rivers Capital LLC	Jefferson	Ammonia	1,400,000+	2027
10	ExxonMobil Chemical Baytown Olefins Plant	Exxon Mobil Corporation	Harris	Hydrogen, Ammonia	10,000,000	2028
11	Port Arthur LNG Export Terminal (Titan Sequestration Project)	Port Arthur LNG, LLC	Jefferson	LNG Terminal	Not yet announced	2028/2029
12	Air Products Syngas Texas City	Air Products LLC	Galveston	Hydrogen	Not yet announced	2029
13	Blue Bayou Ammonia Plant	Blue Bayou Ammonia LLC	Galveston	Hydrogen, Ammonia	Not yet announced	2029
14	Javelina Gas Processing Facility	HEP Javelina Company LLC	Nueces	Hydrogen, Oil Refining	Not yet announced	Unknown
15	South Texas Energy Complex	Raven Petroleum LLC	Duval	Hydrogen, Oil Refining	Not yet announced	Unknown
16	Delek Big Spring Refinery	Delek US Holdings, Inc.	Howard	Oil Refining	145,000	Unknown
17	Stratos Direct Air Capture Facility	1PointFive P1, LLC, Oxy USA Inc.	Ector	Direct Air Capture	500,000	2025
18	South Texas DAC Hub	1PointFive P1, LLC, Oxy USA Inc.	Kleburg	Direct Air Capture	30,000,000	Unknown
19	Houston Area DAC Hub	GE Research	Liberty, Hardin	Direct Air Capture	1,000,000	Unknown
20	Milestone Carbon Midland CCS Hub	Milestone Carbon	Upton, Midland	Sequestration Hub	Not yet announced	2025
21	Bluebonnet CCS Hub	1PointFive	Chambers, Liberty, Jefferson	Sequestration Hub	8,000,000	2026
22	Lone Star CCS Hub	BP plc, Linde Inc	Jasper	Sequestration Hub	15,000,000	2026
23	Bayou Bend CCS Hub	Carbonvert Inc, Chevron Corporation, Equinor, Talos Energy Inc	Chambers, Jefferson	Sequestration Hub	20,000,000	2026
24	Coastal Bend CCS Hub	Howard Energy Partners, Port of Corpus Christi Authority of Nueces County, Talos Energy Inc	Nueces	Sequestration Hub	1,000,000 - 1,500,000	2026



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

## PROPOSED CARBON CAPTURE PROJECTS IN TEXAS CONT.

#	Project Name	Company	County	Project Type	Announced Capture or Sequestration Amount (Metric Tons of CO <sub>2</sub> Per Year)	Planned Operating Date
25	Denbury Dorado Sequestration Hub	Denbury Carbon Solutions, LLC	Matagorda	Sequestration Hub	5,000,000 - 10,000,000	2026
26	Ozona Sequestration Hub	Ozona CCS LLC	Loving	Sequestration Hub	Not yet announced	2026
27	Talos Freeport LNG Injection Site	Talos Energy, Storegga	Brazoria	Sequestration Hub	500,000 - 1,500,000	2026
28	Houston CCS Innovation Hub	Air Liquide Large Industries US LP, BASF Corporation, Calpine Corporation, Chevron Products Company, Dow Chemical Company, Exxon Mobil Corporation, INEOS USA LLC, Linde Inc, LyondellBasell Industries, Marathon Petroleum LLC, Marathon Petroleum LLC, NRG Energy, Phillips 66 Company, Shell Oil Product US	Harris	Sequestration Hub	50,000,000	2030
29	Corpus Christi Offshore Sequestration Hub	Carbonvert Inc, Mitsui EGP USA, Posco International Corporation, Repsol SA	Nueces	Sequestration Hub	5,000,000 - 10,000,000	Unknown
30	BKVerde Whites Bayou CCS Project	BKVerde LLC	Liberty	Sequestration Hub	Not yet announced	Unknown
31	Orchard Carbon Storage Hub	Orchard Storage Company LLC	Gaines	Sequestration Hub	Not yet announced	Unknown
32	ExxonMobil Rose Carbon Storage Hub	ExxonMobil Low Carbon Solutions	Jefferson	Sequestration Hub	Not yet announced	Unknown
33	BP West Bay Carbon Storage Hub	BP plc, Linde Inc	Galveston	Sequestration Hub	Not yet announced	Unknown
34	Pineywoods CCS Hub	Pineywoods CCS LLC	Liberty, Hardin	Sequestration Hub	Not yet announced	Unknown

## PROPOSED CARBON PIPELINES IN TEXAS

#	Pipeline Name	Company	Associated Facilities	Actual or Expected Completion Year	Route Available?
1	Corpus Christi CO <sub>2</sub> Pipeline	Oxy Low Carbon Ventures LLC, Enbridge Inc.	Enbridge Ingleside Energy Center	2027	No
2	Green Pipeline Conroe Lateral	Denbury Carbon Solutions LLC		Unknown	Yes
3	Coastal Bend CCS Pipeline	Howard Energy Partners, Port of Corpus Christi Authority, Talos Energy	Coastal Bend CCS Hub	Unknown	Yes
4	TX-245 Rose CCS	Low Carbon Logistics (ExxonMobil)		Unknown	Yes

For more information on CO<sub>2</sub> pipelines in Texas, please [click here](#).



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