

The Ammonia Buildout in the U.S.

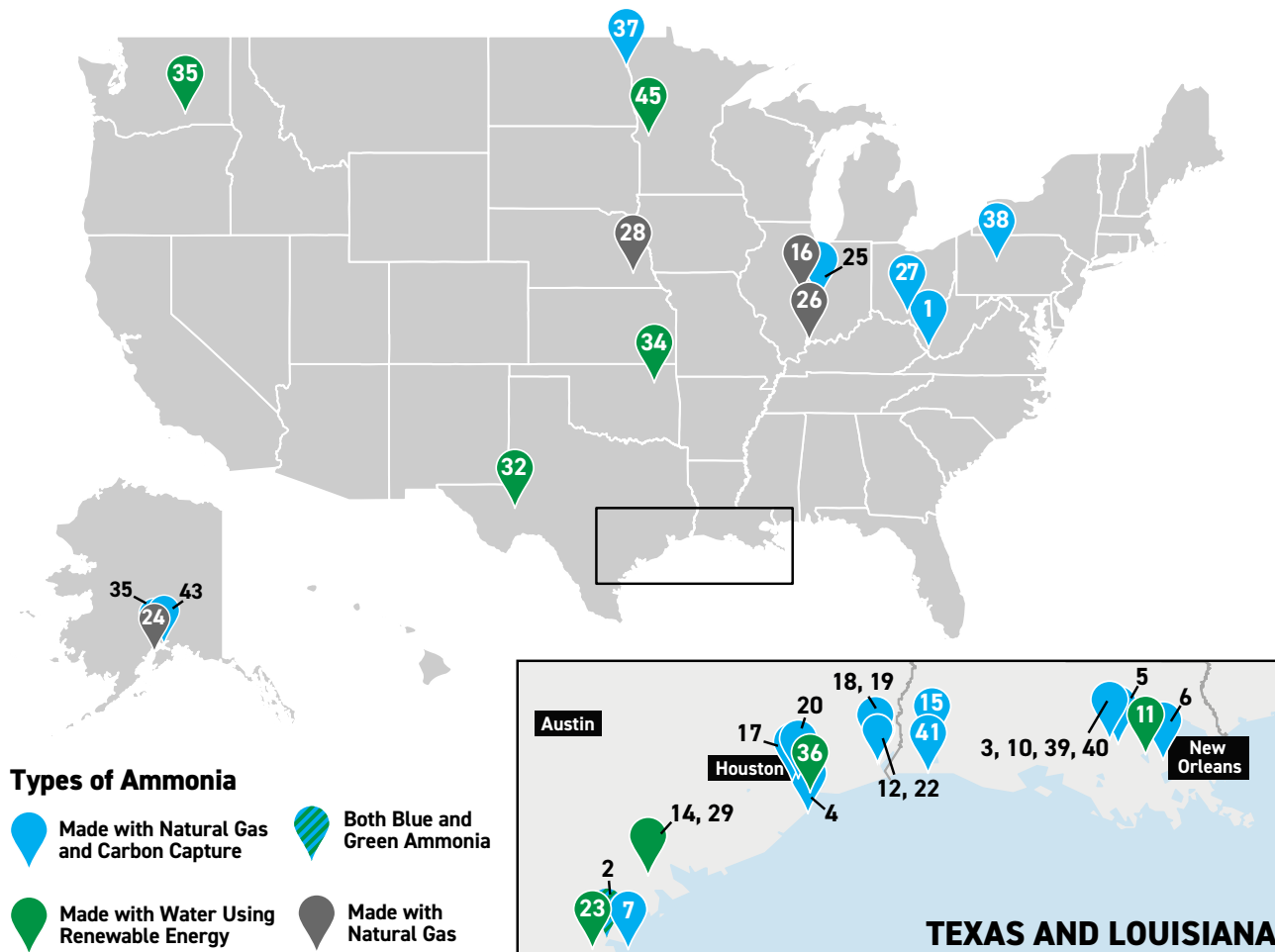
December 2025

Ammonia is the building block of synthetic nitrogen fertilizers. Ammonia can also be used as a fuel or a carrier for hydrogen and as a feedstock for petrochemicals and plastics. Conventional ammonia, referred to as “gray” or “blue” ammonia, is made from fossil fuels. To reduce its carbon footprint, and with the support of tax incentives, the majority of proposed ammonia projects plan to capture at least some carbon dioxide from the production process and sequester it deep underground, producing what is referred to as “blue” ammonia. A smaller number of projects plan to use renewable electricity, deionized water, and atmospheric nitrogen to produce “green” ammonia, which does not rely on fossil fuels.

After a surge in project announcements over the last few years, momentum behind new ammonia projects has largely slowed. Based on a review of publicly available records, there has been no activity for at least eleven proposed projects since they were first announced years ago. Some companies have paused plans altogether¹ and at least one project was canceled² over the past year as fossil fuel companies focus on projects that offer stronger financial returns. The slowdown

is partly due to policy uncertainty and changes to federal tax incentives, and a market that has not matured quickly enough to support large new investments.

The Environmental Integrity Project is tracking the ammonia buildout on [Oil & Gas Watch](#) - a free, public database that tracks new and expanding projects in the oil, gas and petrochemical industries. As of December 2025, we have collected data on 45 proposed ammonia projects across the U.S., which could increase annual ammonia production capacity by over 67 million metric tons over the next five years. About two thirds of these projects plan to make “blue” ammonia from fossil fuels with carbon capture, a largely unproven technology that has not shown itself to be financially viable despite billions of dollars in federal subsidies. These projects account for nearly 70-80 percent of proposed capacity additions announced to date. Eleven projects plan to make “green” ammonia without fossil fuels, representing seven percent of proposed capacity. Only nine proposed ammonia projects have obtained the Clean Air Act pre-construction permits necessary to move forward.



*The locations of eight proposed ammonia projects are not yet known. See list below.

Updated: Dec. 2025

PROPOSED AMMONIA PROJECTS

#	Company	Facility	Location	Permit Status	Classification	Planned Ammonia Capacity Increase (1,000 metric tons per year)	Potential GHG Emissions (tons CO ₂ e per year)	Potential Emission of Criteria Air Pollutants (tons per year)	Operating Status	Planned Operating Date
1	TransGas Development Systems LLC	Adams Fork Energy	Mingo County, WV	Air Permit Issued, Awaiting Water Permit Application	New	13,140	1,821	67	Proposed	2027
2	Mitsubishi, Lotte Chemical, RWE	Port of Corpus Christi Blue and Green Ammonia Facility	Nueces County, TX	Awaiting Permit Applications	New	10,000	-	-	Proposed	2030
3	Clean Hydrogen Works, Mitsui, Hafnia, Denbury (Exxon)	Ascension Clean Energy Facility	Ascension Parish, LA	Air Permit Issued, Water Permit Issued	New	7,900	399,633	568	Proposed	2030
4	Blue Bayou Ammonia LLC	Blue Bayou Ammonia Plant	Galveston County, TX	Awaiting Permit Applications	New	3,000	-	-	On Hold*	2027/2029/2032
5	Air Products	Air Products Blue Energy Facility	Ascension Parish, LA	Air Permit Pending, Awaiting Water Permit Application ¹	New	2,920	2,166,276	496	Proposed	2029
6	St. Charles Clean Fuels LLC, Sustainable Fuels Group, Copenhagen Infrastructure Partners	St. Rose Blue Ammonia Facility	St. Charles Parish, LA	Air Permit Issued, Awaiting Water Permit Application	New	2,920	154,896	190	Proposed	2027
7	Yara, Enbridge	Ingleside Clean Ammonia	San Patricio County, TX	Draft Air Permit, Water Permit Pending	New	2,920	3,376,117	463	Proposed	2028
8	Mitsubishi, Toyo Engineering Corp., Hilcorp, Alaska Gasline Development Corp.	Cook Inlet Blue Hydrogen and Ammonia Hub	Cook Inlet, AK	Awaiting Permit Applications	New	2,200	-	-	Proposed	Unknown



To learn more about **Oil & Gas Watch**, visit oilandgaswatch.org

PROPOSED AMMONIA PROJECTS

#	Company	Facility	Location	Permit Status	Classification	Planned Ammonia Capacity Increase (1,000 metric tons per year)	Potential GHG Emissions (tons CO ₂ e per year)	Potential Emission of Criteria Air Pollutants (tons per year)	Operating Status	Planned Operating Date
9	Uniper, ConocoPhillips, JERA Americas	JERA/Uniper/ConocoPhillips Gulf Coast Ammonia Plant	Gulf Coast, TBD	Awaiting Permit Applications	New	2,000	-	-	On Hold	2030
10	CF Industries, Mitsui	Blue Point Complex	Ascension Parish, LA	Draft Air Permit, Awaiting Water Permit Application	New	1,570	467,298	926	Proposed	2030
11	AmmPower Corp.	AmmPower Green Hydrogen and Ammonia Production Facility	Port of South Louisiana, LA	Awaiting Permit Applications	New	1,460	-	-	On Hold*	Unknown
12	Chevron	Chevron Crescent Bayou Complex	Jefferson County, TX	Awaiting Permit Applications	New	1,460	-	-	On Hold*	Unknown
13	Ten08 Energy	Ten08 Clean Ammonia Plant	Gulf Coast, TX	Awaiting Permit Applications	New	1,400	-	-	Proposed	2029/2030
14	ACME Greentech Ventures	ACME Port of Victoria Green Ammonia Plant	Victoria County, TX	Awaiting Permit Applications	New	1,200	-	-	Proposed	2028
15	Proman, Mitsubishi, Idemitsu Kosan Co.	Lake Charles Blue Ammonia Plant	Calcasieu Parish, LA	Awaiting Permit Applications	New	1,200	-	-	Proposed	2030
16	Cronus Chemicals	Cronus Ammonia Plant	Douglas County, IL	Air Permit Issued, Water Permit Issued	New	1,106	2,078,369	355	Proposed	2027
17	LSB Industries, Vopak Moda Houston LLC, Air Liquide, INPEX Corp.	Houston Ship Channel Low-Carbon Ammonia Plant	Harris County, TX	Awaiting Permit Applications	New	1,100	-	-	On Hold*	Unknown



To learn more about **Oil & Gas Watch**, visit oilandgaswatch.org

PROPOSED AMMONIA PROJECTS

#	Company	Facility	Location	Permit Status	Classification	Planned Ammonia Capacity Increase (1,000 metric tons per year)	Potential GHG Emissions (tons CO ₂ e per year)	Potential Emission of Criteria Air Pollutants (tons per year)	Operating Status	Planned Operating Date
18	Woodside Energy, Linde	Beaumont Clean Ammonia Complex (Phase I)	Jefferson County, TX	Air Permit Issued, Draft Water Permit ²	New	1,095	1,254,090	485	Under Construction	2025
19	Woodside Energy, Linde	Beaumont Clean Ammonia Complex (Phase II)	Jefferson County, TX	Air Permit Issued, Draft Water Permit ²	Expansion	1,095	-	58	Proposed	2026
20	ExxonMobil Chemical	ExxonMobil Baytown Complex, Ammonia and Hydrogen Projects	Harris County, TX	Air Permit Pending, Water Permit Pending ³	Expansion	1,000	-	-83	On Hold	2029
21	INEOS Nitriles, Hanwha Corporation	Hanwha/Ineos Low Carbon Ammonia Facility	TBD	Awaiting Permit Applications	New	1,000	-	-	Proposed	2030
22	8 Rivers Capital LLC	Cormorant Clean Energy Project	Jefferson County, TX	Awaiting Permit Applications	New	880	-	-	Proposed	2027
23	Avina Clean Hydrogen Inc	Nueces Green Ammonia Plant	Nueces County, TX	Draft Air Permit, Awaiting Water Permit Application	New	800	-	39	Proposed	2027/2028
24	Nutrien	Nutrien Kenai Nitrogen Operations	Kenai Peninsula Borough, AK	Air Permit Pending, Draft Water Permit	Restart	630	2,198,069	1,285	Proposed	2027
25	Wabash Valley Resources	Wabash Gasification Plant	Vigo County, IN	Air Permit Issued, Water Permit Issued	New	585	1,153,657	465	Proposed	2027
26	Midwest Fertilizer	Posey County Midwest Fertilizer Plant	Posey County, IN	Air Permit Pending, Awaiting Water Permit Application	New	591	1,631,737	1,065	Proposed	2025
27	Trillium H2 Power, LLC	Trillium Piketon	Pike County, OH	Awaiting Permit Applications ⁴	New	438	-	-	Proposed	-



To learn more about **Oil & Gas Watch**, visit oilandgaswatch.org

PROPOSED AMMONIA PROJECTS

#	Company	Facility	Location	Permit Status	Classification	Planned Ammonia Capacity Increase (1,000 metric tons per year)	Potential GHG Emissions (tons CO ₂ e per year)	Potential Emission of Criteria Air Pollutants (tons per year)	Operating Status	Planned Operating Date
28	Monolith Materials	Monolith Olive Creek Plant, Olive Creek 2	Lancaster County, NE	Air Permit Issued, Water Permit Issued	Expansion	340	115,176	58	On Hold*	2025
29	First Ammonia	First Ammonia Port of Victoria Green Ammonia Plant	Victoria County, TX	Air Permit Issued, Awaiting Water Permit Application	New	330	-	1	Proposed	2025
30	Synergen Green Energy	Synergen Texas Green Ammonia Plant	TBD, TX	Awaiting Permit Applications	New	210	-	-	Proposed	2028
31	Synergen Green Energy	Synergen Nebraska Green Ammonia Plant	TBD, NE	Awaiting Permit Applications	New	210	-	-	Proposed	2029
32	MSEX Resources Corporation	Trans Permian H2 Hub: MEX Green Hydrogen to Green Ammonia Project	Pecos County, TX	Awaiting Permit Applications	New	209	-	-	Proposed	-
33	Grannus LLC	Grannus Blue Ammonia and Hydrogen Project	TBD, CA	Awaiting Permit Applications	New	150	-	-	Proposed	2027
34	Terra Nitrogen LP	Verdigris Nitrogen Plant, Renewable Hydrogen Project	Rogers County, OK	Awaiting Permit Applications	Expansion	100	-	-	Proposed	-
35	Atlas Agro North America Corporation	Pacific Green Fertilizer Plant	Benton County, WA	Air Permit Issued, Awaiting Water Permit Application	New	TBD ⁵	-	101	Proposed	-
36	Texas Green Fuels LLC	Galveston Bay Clean Fuels Export Complex	Galveston County, TX	Awaiting Permit Applications	New	TBD	-	-	On Hold*	2028
37	Northern Plains Nitrogen	Grand Forks Fertilizer Plant	Grand Forks County, ND	Awaiting Permit Applications	New	TBD	-	-	Proposed	2030



To learn more about **Oil & Gas Watch**, visit oilandgaswatch.org

PROPOSED AMMONIA PROJECTS

#	Company	Facility	Location	Permit Status	Classification	Planned Ammonia Capacity Increase (1,000 metric tons per year)	Potential GHG Emissions (tons CO ₂ e per year)	Potential Emission of Criteria Air Pollutants (tons per year)	Operating Status	Planned Operating Date
38	KeyState Natural Gas Synthesis Energy	ARCH2 KeyState Natural Gas Synthesis Plant	Clearfield County, PA	Awaiting Permit Applications	New	TBD	-	-	Proposed	2031
39	CF Industries, Lotte Chemical	CF Industries/ Lotte Gulf Coast Blue Ammonia Plant	Ascension Parish, LA	Awaiting Permit Applications	New	TBD	-	-	Proposed	-
40	CF Industries, POSCO	CF Industries/ POSCO Gulf Coast Blue Ammonia Plant	Ascension Parish, LA	Awaiting Permit Applications	New	TBD	-	-	On Hold*	-
41	G2 Net-Zero LNG LLC	G2 Net-Zero Energy Complex	Cameron Parish, LA	Awaiting Permit Applications	New	TBD	-	-	On Hold*	-
42	Indorama Corporation	Indorama Blue Ammonia Plant	TBD, LA	Awaiting Permit Applications	New	TBD	-	-	Proposed	-
43	Grannus LLC	Grannus Alaska Blue Ammonia Plant & Offshore Terminal	Port MacKenzie, AK	Awaiting Permit Applications	New	TBD	-	-	On Hold*	-
44	Uniper, LyondellBasell, Chevron, Air Liquide	Gulf Coast Hydrogen Plant	Gulf Coast, LA	Awaiting Permit Applications	New	TBD	-	-	On Hold*	-
45	Xcel Energy	Heartland Hub: Morris Fertilizer Plant	Stevens County, MN	Awaiting Permit Applications	New	TBD	-	-	On Hold*	-

*Although companies have not announced that these projects are on hold, our review of public records, news media, and company websites indicates that there has been little to no activity in recent years. Note: Air permits refer to Clean Air Act New Source Review (NSR) pre-construction permits. Water permits refer to Clean Water Act National Pollutant Discharge Elimination System (NPDES) permits. Permit status only applies to the project listed; facilities may have other active or pending permits. Emissions are sourced from permit documents; blanks indicate that a company has not applied for an air permit; unknowns indicate that potential GHG emission estimates were not provided in permit documents. The list above excludes conversion projects at existing ammonia plants. Data is current as of December 2025.

¹Air Products applied to modify its existing air permit in September 2025, this time as a major source of air pollution.

²Linde will supply hydrogen to Woodside Energy's ammonia plant and is being built and permitted separately. As of December 2025, Linde's hydrogen plant had received an initial air construction permit and a draft water permit.

³The hydrogen needed to make ammonia at ExxonMobil's Chemical Plant would be supplied by the neighboring Olefins Plant. As of December 2025, the air permit for the hydrogen unit at the Olefins Plant was still pending, as was the water permit for the ammonia unit at the Chemical Plant. ExxonMobil may need to apply for an additional water permit to operate the hydrogen unit.

⁴Trillium H2 Power has a Class VI underground injection permit pending with the U.S. EPA.

⁵Atlas Agro plans to convert ammonia into 700,000 tons of nitrate solution, calcium nitrate, and calcium ammonium nitrate fertilizers annually.

Endnotes

¹ ConocoPhillips, Form 10-K (for the fiscal year ended December 31, 2024), Filed with the Securities and Exchange Commission. Link: <https://www.sec.gov/Archives/edgar/data/1163165/000116316525000012/cop-20241231.htm>

Brammhi Balarajan, "Exxon's massive Baytown hydrogen facility faces an uncertain future," Chron, August 5, 2025. Link: <https://www.chron.com/business/energy/article/exxon-hydrogen-plant-houston-20802783.php>

² BASF, "Joint News Release: BASF and Yara end joint project for low-carbon ammonia at U.S. Gulf Coast," August 26, 2025. Link: <https://www.basf.com/global/en/media/news-releases/2025/08/p-25-164>