

The past few years have seen a flurry of ambitious announcements related to chemical recycling. From small startups to major oil and chemical companies, the fossil fuel industry has doubled down on its claims that chemical recycling – often greenwashed as “advanced recycling” or “plastics renewal” – is the cure-all for our plastics pollution problem.

Chemical recycling uses heat or chemicals to break down the molecular bonds in plastics to make fuels, other chemicals, or new plastics. Not only are these processes energy-intensive, but they generate large quantities of harmful waste and release hazardous air pollutants that have been proven to cause cancer and other life-threatening illnesses.<sup>1</sup>

The Environmental Integrity Project is following the expansion of the chemical recycling industry on [Oil & Gas Watch](#) – a free, public database that tracks new and expanding projects in the oil, gas and petrochemical industries. As of June 2025, we have collected data on 38 proposed chemical recycling projects across the U.S., as well as three plants that are currently under construction, two in Georgia and one in West Virginia.

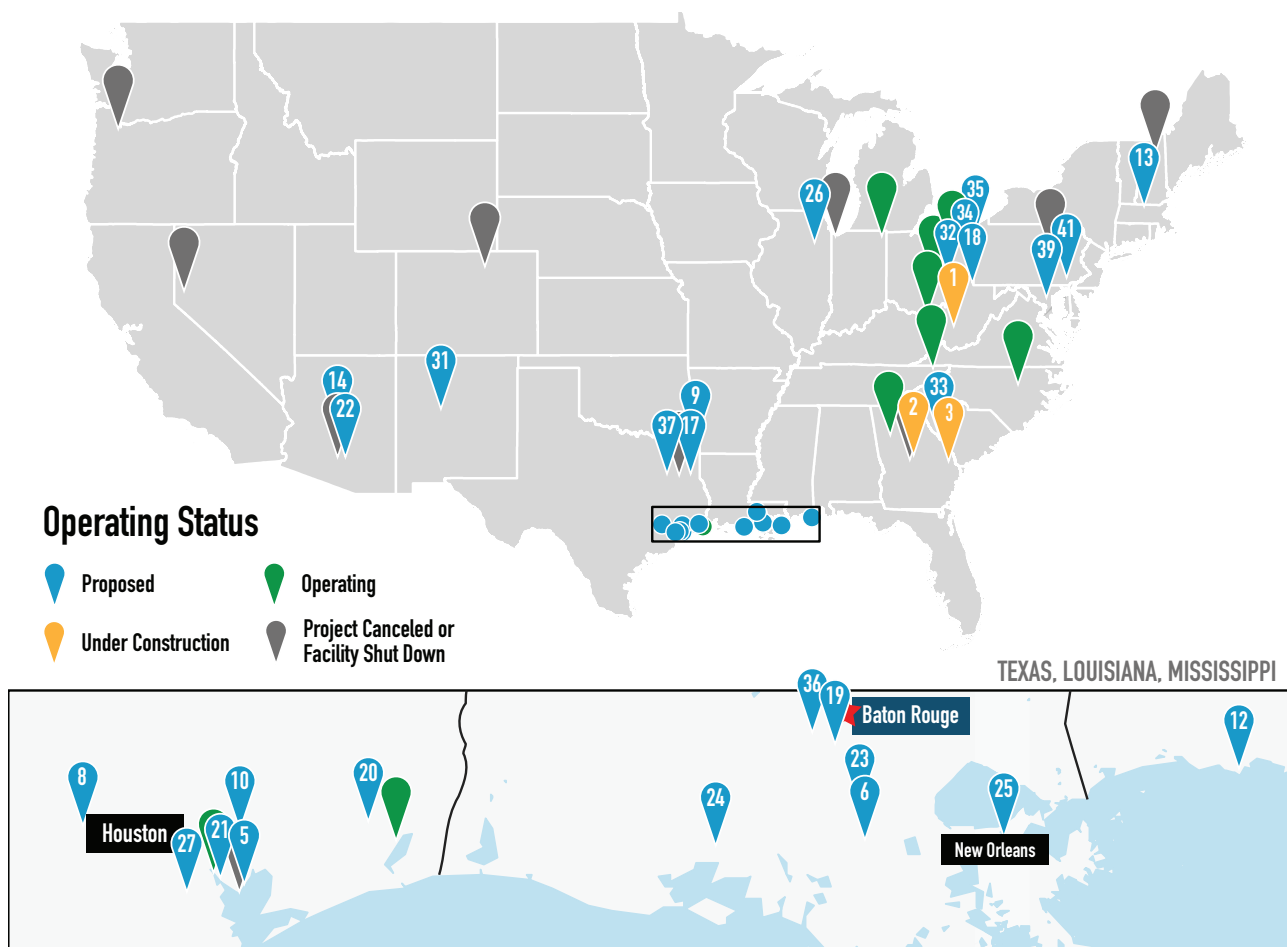
But the future of these projects is highly uncertain as companies struggle with high costs, low output, and the loss of government subsidies.<sup>2</sup> Only 9 chemical recycling plants are operating in the U.S. today after

four facilities closed their doors following technical and financial troubles (Regenyx in Oregon, Fulcrum Biofuels in Nevada, New Hope Plastics in Texas, and Prima Groveton in New Hampshire). The few plants that are operating are largely doing so at “pilot” scale.<sup>3</sup>

Seven additional projects have been cancelled as companies struggle to finance their ambitious plans and community opposition to the dangers of chemical recycling grows.

Residents of Point Township, Pennsylvania, successfully opposed plans to build a chemical recycling facility that would have manufactured benzene, a carcinogen, due to its “unacceptable risks of toxic emissions.” Last year a mystery company hoping to build a similar plant in Greeley, Colorado, also canceled plans to build its facility after residents objected to the project, and several communities have imposed moratoriums against chemical recycling due to its potential impacts on the environment and human health.

Despite serious health and safety concerns, state agencies responsible for conducting environmental reviews have approved six chemical recycling projects across the country, and at least 32 more have been proposed and could begin operations over the next three years, in addition to three projects already under construction.



**Note:** The locations of 9 proposed chemical recycling projects are not yet known. See list below.

**Last Updated:** August 2025

## Proposed Chemical Recycling Projects

#	Facility Name	Company	Location	Classification	Clean Air Act Permit Status	Operating Status	Planned Operating Date
1	<a href="#">Clean-Seas Belle Chemical Recycling Facility</a>	Clean Vision Corporation	Kanawha County, WV	New	Unknown	Under Construction	2025
2	<a href="#">Nexus Circular McDonough Facility</a>	Nexus Circular	Henry County, GA	New	Final Issued	Under Construction	2025
3	<a href="#">Revalyu Statesboro Plant</a>	Revalyu Resources	Bulloch County, GA	New	Final Issued	Under Construction	2025
4	<a href="#">245Recycle Gulf Coast Plant</a>	245Recycle	Harris County, TX	New	Awaiting Permit Application	Proposed	2027
5	<a href="#">Abundia Cedar Port Chemical Recycling Plant</a>	Abundia Global Impact Group	Chambers, TX	New	Awaiting Permit Application	Proposed	Unknown
6	<a href="#">AmSty Chemical Recycling Plant</a>	Agilyx/AmSty	St. James Parish, LA	New	Awaiting Permit Application	Proposed	Unknown
7	<a href="#">Astera Grand Junction Chemical Recycling Plant</a>	Astera	Mesa County, CO	New	Awaiting Permit Application	Proposed	Unknown
8	<a href="#">Honeywell Upcycle Plant</a>	Avangard Innovative/Honeywell	Waller County, TX	New	Awaiting Permit Application	Proposed	Unknown
9	<a href="#">Braven Environmental Texarkana Chemical Recycling Plant</a>	Braven Environmental/Koch	Bowie County, TX	New	Final Issued	Proposed	2025/2026
10	<a href="#">Brightmark Plastics Renewal TX - Dayton Yard Facility</a>	Brightmark Plastics Renewal	Liberty County, TX	New	Expired	Proposed	2024
11	<a href="#">Brightmark Thomaston Circularity Center</a>	Brightmark Plastics Renewal	Upton County, GA	New	Awaiting Permit Application	Proposed	2027
12	<a href="#">Pascagoula Refinery</a>	Chevron	Jackson County, MS	Expansion	Awaiting Permit Application	Proposed	Unknown
13	<a href="#">Clean-Seas Templeton Chemical Recycling Facility</a>	Clean Vision Corporation	Worcester County, MA	New	Awaiting Permit Application	Proposed*	Unknown
14	<a href="#">Clean-Seas Phoenix Chemical Recycling Facility</a>	Clean Vision Corporation	Maricopa County, AZ	New	Awaiting Permit Application	Proposed	2026
15	<a href="#">Clean-Seas Newaygo Chemical Recycling Facility</a>	Clean Vision Corporation	Newaygo County, MI	New	Awaiting Permit Application	Proposed	Unknown
16	<a href="#">Clean-Seas Puerto Rico Chemical Recycling Facility</a>	Clean Vision Corporation	Puerto Rico	New	Awaiting Permit Application	Proposed	Unknown
17	<a href="#">Eastman Chemical Longview Operations</a>	Eastman Chemical	Harrison and Gregg counties, TX	Expansion	Application Pending	Proposed	2026
18	<a href="#">Empire Follansbee Plant</a>	Empire Diversified Energy	Brooke County, WV	Expansion	Application Pending	Proposed	Unknown
19	<a href="#">ExxonMobil Baton Rouge Refinery</a>	ExxonMobil	East Baton Rouge Parish, LA	Expansion	Awaiting Permit Application	Proposed	2027
20	<a href="#">ExxonMobil Beaumont Refinery</a>	ExxonMobil	Jefferson County, TX	Expansion	Awaiting Permit Application	Proposed	2026



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21	<a href="#">ExxonMobil Baytown Chemical Plant</a>	ExxonMobil	Harris County, TX	Expansion	Awaiting Permit Application	Proposed	2026
22	<a href="#">Freepoint Eloy Chemical Recycling Plant</a>	Freepoint Eco-Systems	Pinal County, AZ	New	Final Issued	Proposed	2026
23	<a href="#">Freepoint Gulf Coast Chemical Recycling Facility</a>	Freepoint Eco-Systems/ Alterra Energy	Ascension Parish, LA	New	Awaiting Permit Application	Proposed	2026
24	<a href="#">FusionOne New Iberia Hydrogen Plant</a>	FusionOne/HME Global	Iberia Parish, LA	New	Final Issued	Proposed	2026
25	<a href="#">FusionOne New Orleans Hydrogen Plant</a>	FusionOne/HME Global	Orleans Parish, LA	New	Awaiting Permit Application	Proposed	2026/2027
26	<a href="#">TruStyrenyx Channahon Plant</a>	INEOS Styrolution/ Technip Energies/ Agilyx	Will County, IL	New	Awaiting Permit Application	Proposed	Unknown
27	<a href="#">LyondellBasell Houston Refinery</a>	LyondellBasell Industries	Harris County, TX	Conversion	Awaiting Permit Application	Proposed	2027
28	<a href="#">Mura Technology Hydrothermal Plastics Recycling Plant</a>	Mura Technologies	TBD	New	Awaiting Permit Application	Proposed	Unknown
29	<a href="#">Nexus Circular Dallas Plant</a>	Nexus Circular	Dallas County, TX	New	Awaiting Permit Application	Proposed	Unknown
30	<a href="#">Nexus Circular Chicago Plant</a>	Nexus Circular	Cook County, IL	New	Awaiting Permit Application	Proposed	Unknown
31	<a href="#">PlastikGas Los Lunas Plastics to Fuel Plant</a>	PlastikGas	Valencia County, NM	New	Awaiting Permit Application	Proposed	Unknown
32	<a href="#">PolyKinetix Chemical Recycling Plant</a>	PolyKinetix	Stark County, OH	New	Awaiting Permit Application	Proposed	2025
33	<a href="#">PureCycle Augusta Plant</a>	PureCycle Technologies	Richmond County, GA	New	Awaiting Permit Application	Proposed	2026
34	<a href="#">SOBE Lowellville Plant</a>	SOBE Thermal Energy	Mahoning County, OH	New	Awaiting Permit Application	Proposed*	Unknown
35	<a href="#">SOBE Youngstown Chemical Recycling Plant</a>	SOBE Thermal Energy	Mahoning County, OH	New	Final Issued	Proposed*	Unknown
36	<a href="#">Tencate Chemical Recycling Facility</a>	Tencate Turf Recycling Solution	East Baton Rouge Parish, LA	New	Awaiting Permit Application	Proposed	Unknown
37	<a href="#">New Hope Plastics Recycling Plant (aka Trinity Oaks Tyler Facility)</a>	Tencate Turf Recycling Solution	Smith County, TX	Expansion	Awaiting Permit Application	Proposed	2025
38	<a href="#">UBQ Chemical Recycling Plant</a>	UBQ Materials	MA	New	Awaiting Permit Application	Proposed	2027
39	<a href="#">W.R. Grace Chemical Recycling Plant</a>	W.R. Grace & Company	Howard County, MD	Expansion	Final Issued	Proposed	Unknown
40	<a href="#">Waste Energy Corp Chemical Recycling Plant</a>	Waste Energy Corp.	Cumberland County, NC	New	Awaiting Permit Application	Proposed	2025



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#	Facility Name	Company	Location	Classification	Clean Air Act Permit Status	Operating Status	Planned Operating Date
41	<a href="#">ReFined Plastics Recycling Facility</a>	ReFined Plastics	Berks County, PA	Conversion	Awaiting Permit Application	Proposed	Unknown

**Note:** Air permits refer to Clean Air Act New Source Review (NSR) pre-construction permits. Permit status only applies to the project listed; facilities may have other active or pending permits for other projects. Data is current as of August 12, 2025.

\*Residents of Templeton, MA, and Youngstown, OH, passed moratoriums on waste plastics incineration, temporarily blocking the construction of new chemical recycling plants in their communities.

### Endnotes

<sup>1</sup> NRDC, "More Recycling Lies: What The Plastics Industry Isn't Telling You About "Chemical Recycling," March 2025. Link: [https://www.nrdc.org/sites/default/files/2025-03/More\\_Recycling\\_Lies\\_IB\\_25-02-A\\_07\\_locked.pdf](https://www.nrdc.org/sites/default/files/2025-03/More_Recycling_Lies_IB_25-02-A_07_locked.pdf)

<sup>2</sup> Timothy Gardner, "US axes 24 clean energy projects, including at Exxon's Baytown," Reuters, May 30, 2025. Link: <https://www.reuters.com/sustainability/climate-energy/us-axes-24-clean-energy-projects-including-exxons-baytown-2025-05-30/>

<sup>3</sup> Beyond Plastics, "Chemical Recycling: A Dangerous Deception," October 2023. Link: [https://static1.squarespace.com/static/5eda91260bbb7e7a4bf528d8/t/674f56482360216cb1c253c0/1733252686279/10-30-23\\_Chemical-Recycling-Report\\_web.pdf](https://static1.squarespace.com/static/5eda91260bbb7e7a4bf528d8/t/674f56482360216cb1c253c0/1733252686279/10-30-23_Chemical-Recycling-Report_web.pdf)



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