

Natural Gas Combined-Cycle Capacity: U.S. Energy Information Administration Inventory/Projection



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The United States Energy Information Administration ("EIA") issued a June 11th report titled:

U.S. natural gas combines-cycle capacity by initial operating year (1990-2028) ("Report").

The Report provides both prior facility development and projections through 2028.

Combined-cycle powerplants use both gas and steam together, providing greater efficiency than a simple-cycle plant. The waste heat from the gas turbine is routed to the steam turbine generating extra power.

The EIA Report projects that developers plan to add 18.7 gigawatts ("GW") of combined-cycle capacity to the grid by 2028. 1.6 GW of combined-cycle gas turbines is projected to be added in 2025. 4.3 GW are stated to be already under construction. The source of this information is EIA's *Preliminary Monthly Electric Generator Inventory*.

EIA notes that only one industrial sector combined-cycle power generator came online in 2024. The Report speculates that:

...The recent decline in CCGT capacity additions can be partly attributed to a shift to bring more renewable capacity online, mainly solar and wind.

The prior shift to renewables is attributed to:

- Battery storage capacity that is often paired with renewables.
- Decreasing construction costs.
- Federal tax incentives.

A copy of the Report can be downloaded [here](#).