

World Hydropower Production

Hydroelectricity production, which is highly dependent on rainfall conditions affecting reservoir storage and the flow of major rivers, increased between 2023 and 2024. It had declined between 2020 and 2021 and remained stable in 2021/2022. In France, production was exceptional, reaching its highest level since 2013. Growth was also very strong in neighboring Italy.

Global Hydroelectricity Production (in TWh - terawatt-hours)

Country	2023	2024	Changes for 2023 - 2024
China	1,226	1,354.3	10.2%
Brazil	426	413.2	-3.3%
Canada	360.7	343.2	-5.1%
United States	241.4	238.7	-1.4%
Russia	200.9	210.5	4.5%
India	149.4	156.5	4.5%
Norway	136.7	139.6	1.8%
Vietnam	80.6	88.7	9.7%
Japan	74.5	79.4	6.3%
Turkey	64	74.9	16.7%
Venezuela	72.6	72.8	
France	55.7	70.9	26.9%
Sweden	66.1	64.6	-2.5%
Italy	40.5	55.2	35.9%
Colombia	59.8	54.5	-9.2%
Austria	40.7	44.8	9.8%

Source : The Energy Institute Statistical Review of World Energy™ 2025