

Electricity Data, EMBER

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Summary

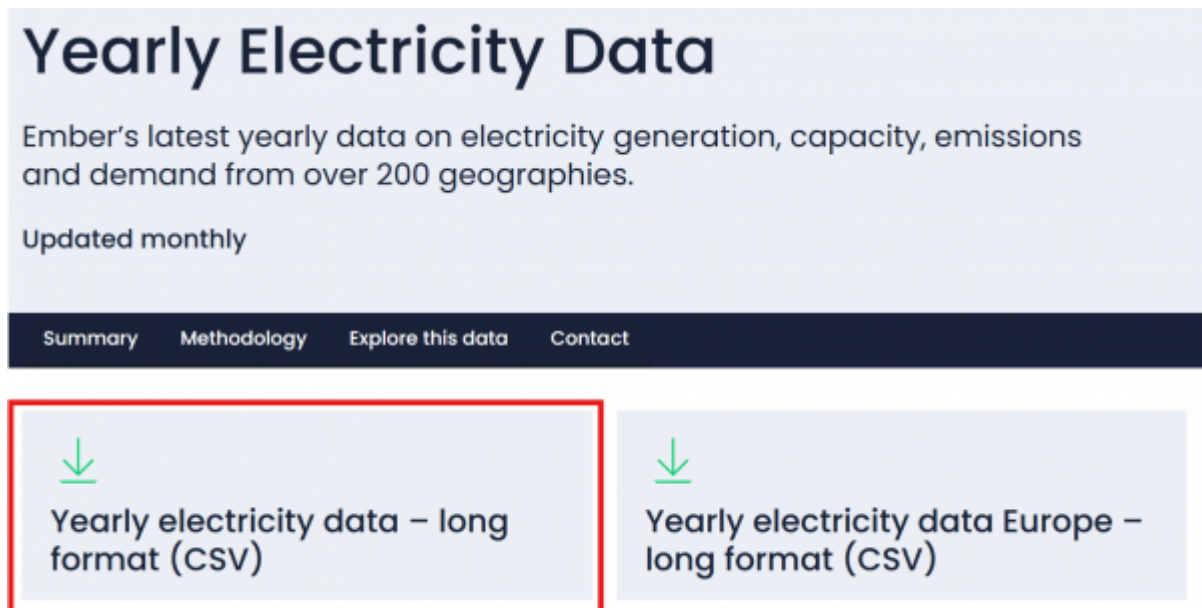
Ember's data explorer allows users to analyze and visualize EMBER's dataset on the global power sector. The data covers 215 countries, and contains the latest yearly data for 2024 for 88 countries accounting for 93% of electricity demand.

Tables In IFs

Variable	Definition	Years	UsedInPreprocessor
EnElecTotalCapacityEMBER	Total Electricity installed capacity (GW)	2000-2022	0
EnElecBioenergyCapacityEMBER	Electricity Capacity for bioenergy types	2000-2023	0
EnElecCoalCapacityEMBER	Electricity Capacity for coal	2000-2023	0
EnElecGasCapacityEMBER	Electricity Capacity for gas	2000-2023	0
EnElecHydroCapacityEMBER	Electricity Capacity for hydro	2000-2023	0
EnElecNuclearCapacityEMBER	Electricity Capacity for nuclear	2000-2023	0
EnElecOtherFossilCapacityEMBER	Electricity Capacity for other fossil	2000-2023	0
EnElecSolarCapacityEMBER	Electricity Capacity for solar	2000-2023	0
EnElecWindCapacityEMBER	Electricity Capacity for wind	2000-2023	0
EnProdElecBioenergyEMBER	Electricity generated bioenergy	2000-2023	0
EnElecOtherRenewCapacityEMBER	Electricity Capacity for other renewables	2000-2023	0
EnProdElecCoalEMBER	Electricity generated from coal	2000-2023	0
EnProdElecDemandEMBER	National demand for all nine generation types	2000-2023	0
EnProdElecHydroEMBER	Electricity generated by hydro	2000-2023	0
EnProdElecNetImportEMBER	Net imports of electricity generation sources	2000-2023	0
EnProdElecNuclearEMBER	Electricity generated from nuclear	2000-2023	0
EnProdElecOtherFossilEMBER	Electricity generated from other fossil fuels	2000-2023	0
EnProdElecOtherRenewEMBER	Electricity generated from other renewables	2000-2023	0
EnProdElecSolarEMBER	Electricity generated from solar	2000-2023	0
EnProdElecTotalEMBER	Total electricity generated from all generation types	2000-2023	0
EnProdElecWindEMBER	Electricity generated from wind	2000-2023	0
EnProdElecGasEMBER	Electricity generated from gas	2000-2023	0
EnElecCleanCapacityEMBER	Electricity Capacity for Clean	2000-2023	0
EnElecFossilCapacityEMBER	Electricity Capacity for Fossil	2000-2023	0
EnElecGasOthFossilCapacityEMBER	Electricity Capacity for Gas and Other Fossil	2000-2023	0
EnElecHydroBioOthRenCapacityEMBER	Electricity Capacity for Hydro, Bioenergy and Other Renewables	2000-2023	0
EnElecRenewCapacityEMBER	Electricity Capacity for Renewables	2000-2023	0
EnElecWindSolarCapacityEMBER	Electricity Capacity for Wind and Solar	2000-2023	0
EnProdElecCleanEMBER	Electricity generated from Clean	2000-2023	0
EnProdElecFossilEMBER	Electricity generated from Fossil	2000-2023	0
EnProdElecGasOthFossilEMBER	Electricity generated from Gas and Other Fossil	2000-2023	0
EnProdElecHydroBioOthRenEMBER	Electricity generated from Hydro, Bioenergy and Other Renewables	2000-2023	0
EnProdElecRenewEMBER	Electricity generated from Renewables	2000-2023	0
EnProdElecWindSolarEMBER	Electricity generated from Wind and Solar	2000-2023	0
EnProdElecGasIEMBER	Electricity generated from gas	2000-2022	0
EnProdElecBioEMBER	Electricity generated from bioenergy sources	2000-2020	0

Data Pulling Instructions

1. Navigate to <https://ember-energy.org/data/yearly-electricity-data/>
2. Download the boxed link.



3. Filter "Category" and "Variable" to get the right combination depending on the table.
 1. Example: EnElecFossilCapacityEMBER. Filter "Category" to Capacity and "Variable" to Fossil

Data Notes

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