

Dataset Overview: Global Power Plant Database

The **Global Power Plant Database** offers detailed information on energy generation worldwide and serves as a valuable resource for understanding global energy production trends, with a special focus on **Renewable energy sources**.

Key Variables:

Variable	Description
country	Short country code (ISO 3-letter code).
country_long	Full name of the country.
name	Name of the power plant.
capacity_mw	Power plant capacity in megawatts (MW).
primary_fuel	Main fuel type used (e.g., Hydro, Solar, Gas).
year_of_capacity_data	Year when the power plant's capacity (in megawatts) was updated
Renewable Primary Fuel (Created Field in Tableau)	The Renewable energy fuels from primary_fuel .
Renewable Capacity (Created Field in Tableau)	The power plant's capacity (MW) from renewable energy sources
Non-Renewable Capacity (Created Field in Tableau)	The power plant's capacity (MW) from non-renewable energy sources

Five Key Questions for Visual Exploration:-

1. Which countries have the highest and lowest renewable energy production, and how is renewable energy spread globally?
2. How is renewable energy capacity distributed across different renewable energy sources?
3. How has the energy output from renewable versus non-renewable sources changed over the years ?
4. Which 10 countries have the highest renewable and non-renewable energy capacities, and how do they compare?
5. How has renewable energy capacity changed year by year, and which years saw the most growth or decline?