**Location and Identification:**

* **cell**: Unique raster cell ID
* **x**, **y**: Raster coordinates
* **NAMELSAD**: Name of Census Bureau Statistical Area (CBSA)
* **OBJECTID**: Row ID number from power plant dataset
* **Plant\_Code**: Power plant ID
* **Plant\_Name**: Power plant name
* **Utility\_ID**: ID number of utility company which operates the power plant
* **Utility\_Na**: Name of utility company which operates the power plant
* **Street\_Add:** Power plant street address
* **City:** City in which a power plant lies
* **County:** County in which a power plant lies
* **State:** State in which a power plant lies
* **Zip**: Power plant ZIP code

**Geographic and Environmental Factors:**

* **plant\_longitude** Power plant longitude
* **plant\_latitude**: Power plant latitude
* **landval\_ln**: Average Log-transformed land value in a raster cell
* **nsrdb3\_ghi**: Average Global Horizontal Irradiance (GHI) within a raster cell (Watt/m2)
* **slope**: Average slope in a raster cell (degrees)
* **dist\_to\_HVline**: Distance from a power plant to the nearest high-voltage (>69kv) transmission lines

**Energy Production:**

* **PrimSource**: Primary energy source of a power plant
* **source\_des**: Description of a power plant’s primary source and total MW capacity
* **tech\_desc**: Technology description of a power plant’s primary sources of energy
* **Install\_MW**: Installed capacity in MW of a power plant
* **Total\_MW**: Total capacity in MW of a power plant
* **Bat\_MW:** Electricity storage capacity of a power plant from batteries (MW)
* **Bio\_MW:** Electricity generation capacity of a power plant from biomass (MW)
* **Coal\_MW:** Electricity generation capacity of a power plant from coal (MW)
* **Geo\_MW:** Electricity generation capacity of a power plant from geothermal (MW)
* **Hydro\_MW**: Electricity generation capacity of a power plant from hydroelectric production (MW)
* **HydroPS\_MW**: Electricity storage capacity of a power plant from hydro pumped storage (MW)
* **NG\_MW**: Electricity generation capacity of a power plant from natural gas (MW)
* **Nuclear\_MW**: Electricity generation capacity of a power plant from nuclear (MW)
* **Crude\_MW**: Electricity generation capacity of a power plant from petroleum (MW)
* **Solar\_MW:** Electricity generation capacity of a power plant from solar (MW)
* **Wind\_MW:** Electricity generation capacity of a power plant from wind (MW)
* **Other\_MW**: Electricity generation capacity of a power plant from other sources (MW)

**Additional Columns:**

* **sector\_nam**: Name of the sector which a power plant belongs to (e.g “Electric Utility”)
* **Source**: Data source of power plant data
* **Period**: Time period of data for power plant data