

SEDS data file and table variables

Energy indicators estimates

The State Energy Data System (SEDS) publishes a complete set of annual state-level energy estimates in PDF and HTML tables on the [SEDS complete](#) website. SEDS also provides the data in various Excel, CSV, and zip files, including some variables that are not published in the tables. See the [energy indicators technical notes](#) for the sources and methods used to estimate SEDS energy indicators.

This document lists the SEDS variables (called MSNs) used in each published table and in the data files. See [Section 1](#) of the SEDS consumption technical notes for explanation of the five-character MSN code descriptions and the [codes and descriptions](#) file for definitions of the published MSN variables.

Energy indicators are available in the [energy indicators](#) Excel, CSV, and zip files, as well as in two consumption and three price and expenditures Excel, CSV, and zip files that contain estimates for all states and years in cross-tabulation format. [Consumption in physical units](#) contains the consumption estimates in physical units and energy indicators and [consumption in Btu](#) contains the consumption estimates in billion British thermal units (Btu) and energy indicators. [Prices](#) contains the price estimates and energy indicators and [expenditures](#) contains the expenditure estimates and energy indicators. [Adjusted consumption for expenditure calculations](#) contains adjusted consumption estimates used in calculating expenditures (see Appendix C below) and energy indicators. In addition, there is a CSV file for each state, named with the two-letter U.S. Postal Code, as well as a file for the United States.

The first row in each file serves as a column heading and contains information about the data in each of the following records. Each data file record that follows begins with the data_status (5 characters, identifying the year of the data cycle plus an “F” that denotes “final”), followed by the state code (2 characters), the MSN code identifier, and the values for the years 1960 through 2023.

Energy indicators estimates contained in these Excel, CSV, and zip files are generally rounded to one decimal or the nearest whole number. The precision does not necessarily reflect the statistical accuracy of the numbers.

In addition to the cross-tabulation CSV files, there is a large consolidated data file containing over 2.3 million records of the complete set of SEDS energy production, consumption, prices, expenditures, and indicators. Users can download the [zip file](#) or the [CSV file](#) for further processing.

Contacts:

The State Energy Data System tables were prepared by the Integrated Statistics Team of the Office of Energy Demand & Integrated Statistics, U.S. Energy Information Administration. Questions concerning the contents of the State Energy Data System or these files may be referred to Mickey Francis, (202) 586-0525, or eiainfoUSstates@eia.gov.

Energy indicators tables:

| Table N1: Population, GDP, and degree days, ranked by state | | | | |
|---|-------|-------|-------|-------|
| TPOPP | GDPRX | GDPRV | ZWHDP | ZWCDP |

| Table N2: Electric net summer capacity: total (all sectors) | | | | |
|---|-------|-------|-------|-------|
| CLGBP | PAGBP | NGGBP | FFGBP | NUGBP |
| HPGBP | HVGBP | WDGBP | WSGBP | GEGBP |
| SOGBP | WYGBP | REGBP | BTGBP | ELGBP |

| Table N3: Capacity factors and usage factors at electric generators: total (all sectors) | | | | | | |
|--|-------|-------|-------|-------|-------|-------|
| CLCAS | PACAS | CYCAS | NTCAS | NYCAS | NUCAS | HVCAS |
| BMCAS | GECAS | SPCAS | SHCAS | WYCAS | HPCAS | BTCAS |

| Table N4: Electric light-duty vehicles overview | | | | |
|---|-------|-------|-------|-------|
| BTVHN | PHVHN | ELVHN | LDVHN | ELVHS |

| Table N5: Electric vehicle charging infrastructure | | | | | | |
|--|-------|-------|-------|-------|-------|-------|
| EVPUP | EVPVP | EVPPP | EVNTP | EVNOP | EVNNP | EVCHP |
| EVDCN | EV2CN | EV1CN | EV0CN | EVCHN | EVDCA | EV2CA |

| Table N6: Estimated consumption of electricity by light-duty electric vehicles | | |
|--|-------|-------|
| PHVHP | BTVHP | ESVHP |