SEDS data file and table variables

Carbon dioxide (CO2) emissions from energy consumption 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 carbon dioxide (CO2) emissions from energy consumption technical notes for the sources and methods used to estimate SEDS energy-related CO2 emissions.

This document lists the SEDS variables (called MSNs) used in each published table and in the data files. See Section 1 of the SEDS CO2 emissions from energy 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.

CO2 emissions from energy consumption data are available in the CO2 emissions Excel, CSV, and zip files that contain estimates for all states and years in cross-tabulation format. 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.

CO2 emissions 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, indicators and CO2 emissions. 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.

Summary tables:

Table CO2.1. Total CO2 emissions estimates from energy consumption by source			
CLTCE	NNTCE	PMTCE	TETCE

Table CO2.2. Residential sector CO2 emissions estimates from energy consumption			
CLRCE	NNRCE	PMRCE	TERCE

Table CO2.3. Commercial sector CO2 emissions estimates from energy consumption			
CLCCE	NNCCE	PMCCE	TECCE

Table CO2.4. Industrial sector CO2 emissions estimates from energy consumption			
CLICE	NNICE	PMICE	TEICE

Table CO2.5. Transportation sector CO2 emissions estimates from energy consumption			
CLACE	NNACE	PMACE	TEACE

Table CO2.6. Electric power sector CO2 emissions estimates from energy consumption			
CLEIE	NNEIE	PMEIE	TEEIE

Ranking tables:

Table CO2.7. Total CO2 emissions estimates from energy consumption, per capita CO2 emissions, and carbon intensities, ranked by state			
TETCE	CDTPR	CDTCR	CDEGR

Table CO2.8. Total CO2 emissions estimates from energy consumption by source, ranked by state			
CLTCE	NNTCE	PMTCE	TETCE

Table CO2.9. Total CO2 emissions estimates from energy consumption by sector, ranked by state					
TERCE	TECCE	TEICE	TEACE	TEEIE	TETCE

Time series tables:

Table CO2.T1. Total CO2 emissions estimates from energy consumption by source			
CLTCE	NNTCE	PMTCE	TETCE

Table CO2.T2. Residential sector CO2 emissions estimates from energy consumption			
CLRCE	NNRCE	PMRCE	TERCE

Table CO2.T3. Commercial sector CO2 emissions estimates from energy consumption			
CLCCE	NNCCE	PMCCE	TECCE

Table CO2.T4. Industrial sector CO2 emissions estimates from energy consumption			
CLICE	NNICE	PMICE	TEICE

Table CO2.T5. Transportation sector CO2 emissions estimates from energy consumption			
CLACE	NNACE	PMACE	TEACE

Table CO2.T6. Electric power sector CO2 emissions estimates from energy consumption			
CLEIE	NNEIE	PMEIE	TEEIE