

State Energy Data System CSV File Documentation

Energy Source Tables

This document explains the contents of the comma-separated value (CSV) files by energy source located on the State Energy Data System (SEDS) Update web page at <http://www.eia.gov/state/seds/seds-data-fuel.cfm>.

There is a CSV file for the most recent year's data for each energy source as shown in the HTML and PDF data tables. In some cases there is one data file for two tables. The first record in each file contains the column headings. The first data field is the state code (2 characters), followed by the data identifier (5-character mnemonic code, or MSN), and then the estimates for the latest year. Descriptions of the state codes and data identifiers are listed in the latter part of this documentation.

In addition, a set of cross-tabulation CSV files and a consolidated data file containing the latest estimates and revisions are also posted on the SEDS Update page. The first data field, "data_status," identifies the year of the data cycle plus a "P" for "in progress." They are updated every time a new set of SEDS estimates is released.

Detailed descriptions of the MSN codes and units are available at http://www.eia.gov/state/seds/CDF/Codes_and_Descriptions.xlsx.

Consumption estimates contained in the CSV files are rounded to whole numbers, i.e. physical unit consumption is rounded to thousand short tons, million cubic feet, thousand barrels, etc., and Btu consumption is generally rounded to billion Btu. Price estimates are rounded to two decimal places and expenditure estimates to one decimal place. The precision does not necessarily reflect the statistical accuracy of the numbers. Users should see the sources cited in the SEDS Consumption Technical Notes as well as the SEDS Price and Expenditure Technical Notes for a discussion of estimation methodologies for specific data series.

The Technical Notes and a full set of SEDS codes and descriptions are available at <http://www.eia.gov/state/seds/seds-technical-notes-updates.cfm>.

Content of the single-year CSV files accompanying the HTML and PDF tables

The first field contains the two-letter U.S. state codes:

U.S. Postal State Codes							
Code	Name	Code	Name	Code	Name	Code	Name
AK	Alaska	ID	Idaho	MT	Montana	RI	Rhode Island
AL	Alabama	IL	Illinois	NC	North Carolina	SC	South Carolina
AR	Arkansas	IN	Indiana	ND	North Dakota	SD	South Dakota
AZ	Arizona	KS	Kansas	NE	Nebraska	TN	Tennessee
CA	California	KY	Kentucky	NH	New Hampshire	TX	Texas
CO	Colorado	LA	Louisiana	NJ	New Jersey	UT	Utah
CT	Connecticut	MA	Massachusetts	NM	New Mexico	VA	Virginia
DC	District of Columbia	MD	Maryland	NV	Nevada	VT	Vermont
DE	Delaware	ME	Maine	NY	New York	WA	Washington
FL	Florida	MI	Michigan	OH	Ohio	WI	Wisconsin
GA	Georgia	MN	Minnesota	OK	Oklahoma	WV	West Virginia
HI	Hawaii	MO	Missouri	OR	Oregon	WY	Wyoming
IA	Iowa	MS	Mississippi	PA	Pennsylvania	US	United States

The second field contains the 5-letter SEDS variable code or mnemonic serial name (MSN) defined as follows:

Data Identification Codes (MSN)	
Characters	Identity
1 and 2	represent an energy source
3 and 4	represent an energy consumption sector or an energy activity
5	represents a type of data

Energy Source (Characters 1 and 2)			
Code	Name	Code	Name
AR	Asphalt and road oil	KS	Kerosene
AV	Aviation gasoline	LU	Lubricants
BD	Biodiesel	MG	Motor gasoline
BF	Biofuels	NU	Nuclear electric power
CC	Coal coke	NG	Natural gas (including supplemental gaseous fuels)
CL	Coal	PA	All petroleum products
DF	Distillate fuel oil	PC	Petroleum coke
EM	Fuel ethanol, excluding denaturant	OP	Other petroleum products, subtotal
EN	Fuel ethanol, including denaturant	RF	Residual fuel oil
ES	Electricity sales	SO	Solar energy
GE	Geothermal energy	TE	Total energy
HL	Hydrocarbon gas liquids	WD	Wood
HY	Hydroelectric power	WW	Wood and biomass waste
JF	Jet fuel	WY	Wind energy

Energy End-Use Sectors and Energy Activities (Characters 3 and 4)	
Code	Name
AC	Transportation sector
CC	Commercial sector
EI	Electric power sector, fuel consumption
EG	Electric power sector, net generation
ET	Total net generation
EX	Exports
IC	Industrial sector
IM	Imports
RC	Residential sector
TC	Total of all sectors

Type (Character 5)	
Code	Name
B	Data in billion British thermal units (Btu)
P	Data in physical units: Petroleum – thousand barrels Natural Gas – million cubic feet Coal – thousand short tons Electricity – million kilowatthours
D	Residential sector
V	Total of all sectors

The third field contains the values of the SEDS variables in the unit specified above for the most recent year.

List of SEDS variables in the order they appear in the Energy Source tables.

Table F1: Jet Fuel Consumption, Price, and Expenditure Estimates			
JFTCP	JFTCB	JFTCD	JFTCV

Table F2: Asphalt and Road Oil Consumption, Price, and Expenditure Estimates			
ARTCP	ARTCB	ARTCD	ARTCV

Table F3: Motor Gasoline Consumption, Price, and Expenditure Estimates						
MGCCP	MGICP	MGACP	MGTCP	MGCCB	MGICB	MGACB
MGTCB	MGTCD	MGCCV	MGICV	MGACV	MGTCV	

Table F4: Aviation Gasoline Consumption, Price, and Expenditure Estimates			
AVTCP	AVTCB	AVTCD	AVTCV

Table F5: Distillate Fuel Oil Consumption Estimates					
DFRCP	DFCCP	DFICP	DFACP	DFEIP	DFTCP
DFRCB	DFCCB	DFICB	DFACB	DFEIB	DFTCB

Table F6: Distillate Fuel Oil Price and Expenditure Estimates					
DFRCD	DFCCD	DFICD	DFACD	DFEID	DFTCD
DFRCV	DFCCV	DFICV	DFACV	DFEIV	DFTCV

Table F7: Residual Fuel Oil Consumption Estimates				
RFCCP	RFICP	RFACP	RFEIP	RFTCP
RFCCB	RFICB	RFACB	RFEIB	RFTCB

Table F8: Residual Fuel Oil Price and Expenditure Estimates				
RFCCD	RFICD	RFACD	RFEID	RFTCD
RFCCV	RFICV	RFACV	RFEIV	RFTCV

Table F9: Kerosene Consumption, Price, and Expenditure Estimates							
KSRCP	KSCCP	KSICP	KSTCP	KSRCB	KSCCB	KSICB	KSTCB
KSRC or KSCCD	KSICD	KSTCD	KSRCV	KSCCV	KSICV	KSTCV	

Table F10: Lubricants Consumption, Price, and Expenditure Estimates				
LUICP	LUACP	LUTCP	LUICB	LUACB
LUTCB	LUTCD	LUICV	LUACV	LUTCV

Table F11: Hydrocarbon Gas Liquids Consumption Estimates				
HLRCP	HLCCP	HLICP	HLACP	HLTCP
HLRCB	HLCCB	HLICB	HLACB	HLTCB

Table F12: Hydrocarbon Gas Liquids Price and Expenditure Estimates				
HLRCD	HLCCD	HLICD	HLACD	HLTCD
HLRCV	HLCCV	HLICV	HLACV	HLTCV

Table F13: Petroleum Coke Consumption Estimates			
PCCCP	PCICP	PCEIP	PCTCP
PCCCB	PCICB	PCEIB	PCTCB

Table F14: Petroleum Coke Price and Expenditure Estimates			
PCCCD	PCICD	PCEID	PCTCD
PCCCV	PCICV	PCEIV	PCTCV

Table F15: Other Petroleum Products Consumption, Price, and Expenditure Estimates			
OPTCP	OPTCB	OPTCD	OPTCV

Table F16: Total Petroleum Consumption Estimates					
PARCP	PACCP	PAICP	PAACP	PAEIP	PATCP
PARCB	PACCB	PAICB	PAACB	PAEIB	PATCB

Table F17: Total Petroleum Price and Expenditure Estimates					
PARCD	PACCD	PAICD	PAACD	PAEID	PATCD
PARCV	PACCV	PAICV	PAACV	PAEIV	PATCV

Table F18: Natural Gas Consumption Estimates					
NGRCP	NGCCP	NGICP	NGACP	NGEIP	NGTCP
NGRCB	NGCCB	NGICB	NGACB	NGEIB	NGTCB

Table F19: Natural Gas Price and Expenditure Estimates					
NGRCD	NGCCD	NGICD	NGACD	NGEID	NGTCD
NGRCV	NGCCV	NGICV	NGACV	NGEIV	NGTCV

Table F20: Electricity Consumption Estimates				
ESRCP	ESCCP	ESICP	ESACP	ESTCP
ESRCB	ESCCB	ESICB	ESACB	ESTCB

Table F21: Electricity Price and Expenditure Estimates				
ESRCD	ESCCD	ESICD	ESACD	ESTCD
ESRCV	ESCCV	ESICV	ESACV	ESTCV

Table F22: Nuclear Energy Consumption, Price, and Expenditure Estimates			
NUETP	NUETB	NUETD	NUETV

Table F23: Coal Consumption Estimates and Imports and Exports of Coal Coke, 2010						
CLRCP	CLCCP	CLICP	CLEIP	CLTCP	CCIMPUS	CCEXPUS
CLRCB	CLCCB	CLICB	CLEIB	CLTCB	CCIMBUS	CCEXPBUS

Table F24: Coal Price and Expenditure Estimates and Imports and Exports of Coal Coke, 2010						
CLRCD	CLCCD	CLICD	CLEID	CLTCD	CCIMDUS	CCEXDUS
CLRCV	CLCCV	CLICV	CLEIV	CLTCV	CCIMVUS	CCEXVUS

Table F25: Fuel Ethanol Consumption Estimates			
ENCCP	ENICP	ENACP	ENTCP
EMCCB	EMICB	EMACB	EMTCB

Table F26: Biodiesel Consumption Estimates			
BDACP	BDTCP	BDACB	BDTCB

Table F27: Wood and Biomass Waste Consumption Estimates		
WDRCP	WWCCB	WWEIB
WDRCB	WWICB	WWTCB

Table F28: Wood and Biomass Waste Price and Expenditure Estimates				
WDRCD	WWCCD	WWICD	WWEID	WWTCD
WDRCV	WWCCV	WWICV	WWEIV	WWTCV

Table F29: Geothermal Energy Consumption Estimates					
GEEGP	GERCB	GECCB	GEICB	GEEGB	GETCB

Table F30: Hydroelectric Power Consumption Estimates			
HYCCP	HYICP	HYEGP	HYTCP
HYCCB	HYICB	HYEGB	HYTCB

Table F31: Solar Energy Consumption Estimates				
SOCCP	SOICP	SOEGP		
SORCB	SOCCB	SOICB	SOEGB	SOTCB

Table F32: Wind Energy Consumption Estimates			
WYCCP	WYICP	WYEGP	WYTCP
WYCCB	WYICB	WYEGB	WYTCB

Table F33: Total Energy Consumption, Price, and Expenditure Estimates				
TERCB	TECCB	TEICB	TEACB	TETCB
TERCD	TECCD	TEICD	TEACD	TETCD
TERCV	TECCV	TEICV	TEACV	TETCV

Other CSV Data Files

The Data Files section contains cross-tabulation CSV files for all published SEDS series. The consolidated data file, which has 1.8 million records, is for import into a database.

The complete set of 5-character MSNs, together with their descriptions and units, is available at https://www.eia.gov/state/seds/CDF/Codes_and_Descriptions.xlsx.