

Appendix B

Combined State Energy Data System Variables

This is an alphabetical listing of all the variable names used in the Combined State Energy Data System (CSEDS). Provided for each variable on the system are: a brief description of the variable; units of the variable as found in CSEDS; and the formulas used in CSEDS to create the variable. If a variable is not one created by CSEDS but is entered into the system, it is described as an independent variable. Formulas are provided for the State calculations ("ZZ" in the variable name would be replaced by the two-letter code for each State) and for the U.S. calculation (wherever appropriate).

Variables in the CSEDS have seven-letter names that consist of the following components:

Character Positions:	1 and 2	3 and 4	5	6 and 7
Identify:	Type of energy	Energy activity or consumption end-use sector	Type of data	Geographic area

Characters 1 through 4 are explained in the description of each variable.

Character 5 is always one of the following:

- B = Data in British thermal units (Btu)
- K = Factor for converting data from physical units to Btu
- M = Data in alternative physical units
- P = Data in standardized physical units
- S = Share or ratio expressed as a fraction
- V = Value added in manufacture.

Characters 6 and 7 are two-letter U.S. Postal Service codes for the 50 States and the District of Columbia (represented by "ZZ" in the following variable names) and the United States ("US"). In this system, the United States means the 50 States and the District of Columbia. Some estimates of electricity sales and losses are derived by using only the contiguous 48 States and the District of Columbia. The variables used in those calculations are identified by "48" as characters 6 and 7 in the variable names.

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ABICB	Aviation gasoline blending components total consumed by the industrial sector.	Billion Btu	ABICBZZ = ABTCBZZ ABICBUS = ABTCBUS
ABICP	Aviation gasoline blending components total consumed by the industrial sector.	Thousand barrels	ABICPZZ = ABTCPZZ ABICPUS = ABTCPUS
ABTCB	Aviation gasoline blending components total consumed.	Billion Btu	ABTCBZZ = ABTCPZZ * 5.048 ABTCBUS = ΣABTCBZZ
ABTCP	Aviation gasoline blending components total consumed.	Thousand barrels	ABTCPZZ = (COCAPZZ / COCAPUS) * ABTCPUS ABTCPUS is independent.
ACCCB	Anthracite consumed by the commercial sector.	Billion Btu	ACCCBZZ = ACCCPZZ * ACNUKUS ACCCBUS = ΣACCCBZZ
ACCCP	Anthracite consumed by the commercial sector.	Thousand short tons	ACCCPZZ = ACHCPZZ * 0.40 ACCCPUS = ΣACCCPZZ
ACEUB	Anthracite consumed by the electric utilities.	Billion Btu	ACEUBZZ = ACEUPZZ * ACEUKUS ACEUBUS = ΣACEUBZZ
ACEUKUS	Factor for converting anthracite consumed by the electric utilities from physical units to Btu.	Million Btu per short ton	ACEUKUS is independent.
ACEUP	Anthracite consumed by the electric utilities.	Thousand short tons	ACEUPZZ is independent. ACEUPUS = ΣACEUPZZ
ACHCP	Anthracite consumed by the residential and commercial sectors.	Thousand short tons	ACHCPZZ = (ACHDPZZ / ACHDPUS) * ACHCPUS ACHCPUS is independent.
ACHDP	Anthracite distributed to the residential and commercial sectors.	Thousand short tons	ACHDPZZ is independent. ACHDPUS = ΣACHDPZZ
ACICB	Anthracite consumed by the industrial sector.	Billion Btu	ACICBZZ = ACKCBZZ + ACOCBZZ ACICBUS = ΣACICBZZ
ACICP	Anthracite consumed by the industrial sector.	Thousand short tons	ACICPZZ = ACKCPZZ + ACOCPPZZ ACICPUS = ΣACICPZZ
ACKCB	Anthracite consumed at coke plants.	Billion Btu	ACKCBZZ = ACKCPZZ * ACNUKUS ACKCBUS = ΣACKCBZZ
ACKCP	Anthracite consumed at coke plants.	Thousand short tons	ACKCPZZ = (ACKDPZZ / ACKDPUS) * ACKCPUS ACKCPUS is independent.

ACKDP	Anthracite distributed to coke plants.	Thousand short tons	ACKDPZZ is independent. ACKDPUS = Σ ACKDPZZ
ACNUKUS	Factor for converting anthracite consumed by all sectors other than the electric utility sector from physical units to Btu.	Million Btu per short ton	ACNUKUS is independent.
ACOCB	Anthracite consumed by other industrial users.	Billion Btu	ACOCBZZ = ACOCPPZZ * ACNUKUS ACOCBUS = Σ ACOCBZZ
ACOCP	Anthracite consumed by other industrial users.	Thousand short tons	ACOCPZZ = (ACODPZZ / ACODPUS) * ACOCPUS ACOCPUS is independent.
ACODP	Anthracite distributed to other industrial users.	Thousand short tons	ACODPZZ is independent. ACODPUS = Σ ACODPZZ
ACRCB	Anthracite consumed by the residential sector.	Billion Btu	ACRCBZZ = ACRCPPZZ * ACNUKUS ACRCBUS = Σ ACRCBZZ
ACRCP	Anthracite consumed by the residential sector.	Thousand short tons	ACRCPZZ = ACHCPZZ * 0.60 ACRCPUS = Σ ACRCPZZ
ACTCB	Anthracite total consumed.	Billion Btu	ACTCBZZ = ACRCBZZ + ACCCBZZ + ACICBZZ + ACEUBZZ ACTCBUS = Σ ACTCBZZ
ACTCP	Anthracite total consumed.	Thousand short tons	ACTCPZZ = ACRCPZZ + ACCCPZZ + ACICPZZ + ACEUPZZ ACTCPUS = Σ ACTCPZZ
AICAP	Aluminum ingot production capacity.	Short tons	AICAPZZ is independent. AICAPUS = Σ AICAPZZ
ARICB	Asphalt and road oil consumed by the industrial sector.	Billion Btu	ARICBZZ = ARICPPZZ * 6.636 ARICBUS = Σ ARICBZZ
ARICP	Asphalt and road oil consumed by the industrial sector.	Thousand barrels	ARICPZZ = ASICPZZ + RDICPZZ ARICPUS = Σ ARICPZZ
ARTCB	Asphalt and road oil total consumed.	Billion Btu	ARTCBZZ = ARICBZZ ARTCBUS = ARICBUS
ARTCP	Asphalt and road oil total consumed.	Thousand barrels	ARTCPZZ = ASTCPZZ + RDTCPZZ ARTCPUS = Σ ARTCPZZ

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ASICP	Asphalt consumed by the industrial sector.	Thousand barrels	ASICPZZ = (ASINPZZ / ASINPUS) * ASTCPUS ASICPUS = ΣASICPZZ
ASINP	Asphalt sold to the industrial sector.	Short tons	ASINPZZ is independent. ASINPUS = ΣASINPZZ
ASTCP	Asphalt total consumed.	Thousand barrels	ASTCPZZ = ASICPZZ ASTCPUS is independent.
AVACB	Aviation gasoline consumed by the transportation sector.	Billion Btu	AVACBZZ = AVACPZZ * 5.048 AVACBUS = ΣAVACBZZ
AVACP	Aviation gasoline consumed by the transportation sector.	Thousand barrels	AVACPZZ = (AVTTPZZ / AVTTPUS) * AVTCPUS AVACPUS = ΣAVACPZZ
AVMIP	Aviation gasoline issued to the military.	Thousand barrels	AVMIPZZ is independent. AVMIPUS = ΣAVMIPZZ
AVNMM	Aviation gasoline sold to nonmilitary users.	Thousand gallons	AVNMMZZ is independent. AVNMMUS = ΣAVNMMZZ
AVNMP	Aviation gasoline sold to nonmilitary users.	Thousand barrels	AVNMPZZ = AVNMMZZ / 42 AVNMPUS = ΣAVNMPZZ
AVTCB	Aviation gasoline total consumed.	Billion Btu	AVTCBZZ = AVACBZZ AVTCBUS = AVACBUS
AVTCP	Aviation gasoline total consumed.	Thousand barrels	AVTCPZZ = AVACPZZ AVTCPUS is independent.
AVTTP	Aviation gasoline total sales to the transportation sector.	Thousand barrels	AVTTPZZ = AVNMPZZ + AVMIPZZ AVTTPUS = ΣAVTTPZZ
BCACB	Bituminous coal and lignite consumed by the transportation sector.	Billion Btu	BCACBZZ = BCACPZZ * BCOCKZZ BCACBUS = ΣBCACBZZ
BCACP	Bituminous coal and lignite consumed by the transportation sector.	Thousand short tons	BCACPZZ = (BCICPZZ / BCICPUS) * BCACPUS BCACPUS is independent.
BCCCB	Bituminous coal and lignite consumed by the commercial sector.	Billion Btu	BCCCBZZ = BCCCPZZ * BCHCKZZ BCCCBUS = ΣBCCCBZZ
BCCCP	Bituminous coal and lignite consumed by the commercial sector.	Thousand short tons	BCCCPZZ = BCHCPZZ * 0.65 BCCCPUS = ΣBCCCPZZ

BCEUB	Bituminous coal and lignite consumed by the electric utilities.	Billion Btu	BCEUBZZ = BCEUPZZ * BCEUKZZ BCEUBUS = ΣBCEUBZZ
BCEUKZZ	Factor for converting bituminous coal and lignite consumed by the electric utilities from physical units to Btu.	Million Btu per short ton	BCEUKZZ is independent.
BCEUP	Bituminous coal and lignite consumed by the electric utilities.	Thousand short tons	BCEUPZZ is independent. BCEUPUS = ΣBCEUPZZ
BCHCKZZ	The factor for converting bituminous coal and lignite consumed by the residential and commercial sectors from physical units to Btu.	Million Btu per short ton	BCHCKZZ is independent.
BCHCP	Bituminous coal and lignite consumed by the residential and commercial sectors.	Thousand short tons	BCHCPZZ = (BCHDPZZ / BCHDPUS) * BCHCPUS BCHCPUS is independent.
BCHDP	Bituminous coal and lignite distributed to the residential and commercial sectors.	Thousand short tons	BCHDPZZ is independent. BCHDPUS = ΣBCHDPZZ
BCICB	Bituminous coal and lignite consumed by the industrial sector.	Billion Btu	BCICBZZ = BCKCBZZ + BCOCBZZ BCICBUS = ΣBCICBZZ
BCICP	Bituminous coal and lignite consumed by the industrial sector.	Thousand short tons	BCICPZZ = BCKCPZZ + BCOCPZZ BCICPUS = ΣBCICPZZ
BCKCB	Bituminous coal and lignite consumed by coke plants.	Billion Btu	BCKCBZZ = BCKCPZZ * 26.80 BCKCBUS = ΣBCKCBZZ
BCKCP	Bituminous coal and lignite consumed by coke plants.	Thousand short tons	BCKCPZZ = (BCKDPZZ / BCKDPUS) * BCKCPUS BCKCPUS is independent.
BCKDP	Bituminous coal and lignite distributed to coke plants.	Thousand short tons	BCKDPZZ is independent. BCKDPUS = ΣBCKDPZZ
BCOCB	Bituminous coal and lignite consumed by other industrial users.	Billion Btu	BCOCBZZ = BCOCPZZ * BCOCKZZ BCOCBUS = ΣBCOCBZZ
BCOCKZZ	The factor for converting bituminous coal and lignite consumed by other industrial users from physical units to Btu.	Million Btu per short ton	BCOCKZZ is independent.
BCOCP	Bituminous coal and lignite consumed by other industrial users.	Thousand short tons	BCOCPZZ = (BCODPZZ / BCODPUS) * BCOCPUS BCOCPUS is independent.

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BCODP	Bituminous coal and lignite distributed to other industrial users.	Thousand short tons	BCODPZZ is independent. BCODPUS = Σ BCODPZZ
BCRCB	Bituminous coal and lignite consumed by the residential sector.	Billion Btu	BCRCBZZ = BCRCPZZ * BCHCKZZ BCRCBUS = Σ BCRCBZZ
BCRCP	Bituminous coal and lignite consumed by the residential sector.	Thousand short tons	BCRCPZZ = BCHCPZZ * 0.35 BCRCPUS = Σ BCRCPZZ
BCTCB	Bituminous coal and lignite total consumed.	Billion Btu	BCTCBZZ = BCRCBZZ + BCCCBZZ + BCICBZZ + BCACBZZ + BCEUBZZ BCTCBUS = Σ BCTCBZZ
BCTCP	Bituminous coal and lignite total consumed.	Thousand short tons	BCTCPZZ = BCRCPZZ + BCCCPZZ + BCICPZZ + BCACPZZ + BCEUPZZ BCTCPUS = Σ BCTCPZZ
CCEXBUS	Coal coke exported from the United States.	Billion Btu	CCEXBUS = CCEXPUS * 24.80
CCEXPUS	Coal coke exported from the United States.	Thousand short tons	CCEXPUS is independent.
CCIMBUS	Coal coke imported into the United States.	Billion Btu	CCIMBUS = CCIMPUS * 24.80
CCIMPUS	Coal coke imported into the United States.	Thousand short tons	CCIMPUS is independent.
CCNIBUS	Coal coke net imports into the United States.	Billion Btu	CCNIBUS = CCIMBUS - CCEXBUS
CCNIPUS	Coal coke net imports into the United States.	Thousand short tons	CCNIPUS = CCIMPUS - CCEXPUS
CGVAV	Value added in the manufacture of corrugated and solid fiber boxes.	Million dollars	CGVAVZZ is independent. CGVAVUS = Σ CGVAVZZ
CLACB	Coal consumed by the transportation sector.	Billion Btu	CLACBZZ = BCACBZZ CLACBUS = BCACBUS
CLACP	Coal consumed by the transportation sector.	Thousand short tons	CLACPZZ = BCACPZZ CLACPUS = BCACPUS
CLCCB	Coal consumed by the commercial sector.	Billion Btu	CLCCBZZ = ACCCBZZ + BCCCBZZ CLCCBUS = ACCCBUS + BCCCBUS
CLCCP	Coal consumed by the commercial sector.	Thousand short tons	CLCCPZZ = ACCCPZZ + BCCCPZZ CLCCPUS = ACCCPUS + BCCCPUS
CLEUB	Coal consumed by the electric utilities.	Billion Btu	CLEUBZZ = ACEUBZZ + BCEUBZZ CLEUBUS = ACEUBUS + BCEUBUS

CLEUP	Coal consumed by the electric utilities.	Thousand short tons	CLEUPZZ = ACEUPZZ + BCEUPZZ CLEUPUS = ACEUPUS + BCEUPUS
CLICB	Coal consumed by the industrial sector.	Billion Btu	CLICBZZ = ACICBZZ + BCICBZZ CLICBUS = ACICBUS + BCICBUS
CLICP	Coal consumed by the industrial sector.	Thousand short tons	CLICPZZ = ACICPZZ + BCICPZZ CLICPUS = ACICPUS + BCICPUS
CLKCB	Coal consumed at coke plants (coking coal).	Billion Btu	CLKCBZZ = ACKCBZZ + BCKCBZZ CLKCBUS = ACKCBUS + BCKCBUS
CLOCB	Coal consumed by other industrial users.	Billion Btu	CLOCBZZ = ACOCBZZ + BCOCBZZ CLOCBUS = ACOCBUS + BCOCBUS
CLOCP	Coal consumed by other industrial users.	Thousand short tons	CLOCPZZ = ACOCPPZZ + BCOCPPZZ CLOCPUS = ACOCPPUS + BCOCPPUS
CLRCB	Coal consumed by the residential sector.	Billion Btu	CLRCBZZ = ACLRCBZZ + BCLRCBZZ CLRCBUS = ACLRCBUS + BCLRCBUS
CLRCP	Coal consumed by the residential sector.	Thousand short tons	CLRCPZZ = ACLRCPZZ + BCLRCPZZ CLRCPUS = ACLRCPUS + BCLRCPUS
CLSCB	Coal consumed other than at coke plants (steam coal).	Billion Btu	CLSCBZZ = CLTCBZZ - CLKCBZZ CLSCBUS = CLTCBUS - CLKCBUS
CLTCB	Coal total consumed.	Billion Btu	CLTCBZZ = ACTCBZZ + BCTCBZZ CLTCBUS = ACTCBUS + BCTCBUS
CLTCP	Coal total consumed.	Thousand short tons	CLTCPZZ = ACTCPZZ + BCTCPZZ CLTCPUS = ACTCPUS + BCTCPUS
COCAP	Crude oil operating capacity at refineries.	Barrels per calendar day	COCAPZZ is independent. COCAPUS = ΣCOCAPZZ
COICB	Crude oil consumed by the industrial sector.	Billion Btu	COICBZZ = COTCBZZ COICBUS = COTCBUS
COICP	Crude oil consumed by the industrial sector.	Thousand barrels	COICPZZ = COTCPZZ COICPUS = COTCPUS
COTCB	Crude oil consumed in petroleum industry operations.	Billion Btu	COTCBZZ = COTCPZZ * 5.800 COTCBUS = ΣCOTCBZZ

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COTCP	Crude oil consumed in petroleum industry operations.	Thousand barrels	COTCPZZ is independent. COTCPUS = Σ COTCPZZ
CTCAP	Catalytic cracking charge capacity of petroleum refineries.	1960 through 1979: Barrels per calendar day 1980 forward: Barrels per stream day	CTCAPZZ is independent. CTCAPUS = Σ CTCAPZZ
DFACB	Distillate fuel consumed by the transportation sector.	Billion Btu	DFACBZZ = DFACPZZ * 5.825 DFACBUS = Σ DFACBZZ
DFACP	Distillate fuel consumed by the transportation sector.	Thousand barrels	DFACPZZ = (DFTRPZZ / DFNDPZZ) * DFNCPZZ DFACPUS = Σ DFACPZZ
DFBKP	Distillate fuel adjusted sales for vessel bunkering use, excluding that sold to the Armed Forces.	Thousand barrels	DFBKPZZ is independent. DFBKPUS = Σ DFBKPZZ
DFCCB	Distillate fuel consumed by the commercial sector.	Billion Btu	DFCCBZZ = DFCCPZZ * 5.825 DFCCBUS = Σ DFCCBZZ
DFCCP	Distillate fuel consumed by the commercial sector.	Thousand barrels	DFCCPZZ = (DFCMPZZ / DFNDPZZ) * DFNCPZZ DFCCPUS = Σ DFCCPZZ
DFCMP	Distillate fuel adjusted sales to the commercial sector.	Thousand barrels	DFCMPZZ is independent. DFCMPUS = Σ DFCMPZZ
DFEUB	Distillate fuel consumed by the electric utilities.	Billion Btu	DFEUBZZ = DFEUPZZ * 5.825 DFEUBUS = Σ DFEUBZZ
DFEUP	Distillate fuel (excluding kerosene-type jet fuel) consumed by the electric utilities.	Thousand barrels	DFEUPZZ = DKEUPZZ - JKEUPZZ DFEUPUS = Σ DFEUPZZ
DFIBP	Distillate fuel adjusted sales for industrial space heating and other industrial use, including farm use.	Thousand barrels	DFIBPZZ is independent. DFIBPUS = Σ DFIBPZZ
DFICB	Distillate fuel consumed by the industrial sector.	Billion Btu	DFICBZZ = DFICPZZ * 5.825 DFICBUS = Σ DFICBZZ
DFICP	Distillate fuel consumed by the industrial sector.	Thousand barrels	DFICPZZ = (DFINPZZ / DFNDPZZ) * DFNCPZZ DFICPUS = Σ DFICPZZ
DFINP	Distillate fuel adjusted sales to the industrial sector.	Thousand barrels	DFINPZZ = DFIBPZZ + DFOCPZZ + DFOFPZZ + DFOTPZZ DFINPUS = Σ DFINPZZ

DFMIP	Distillate fuel adjusted sales to the Armed Forces, regardless of use.	Thousand barrels	DFMIPZZ is independent. DFMIPUS = Σ DFMIPZZ
DFNCP	Distillate fuel consumption by all sectors other than the electric utility sector.	Thousand barrels	DFNCPZZ = (DFNDPZZ / DFNDPUS) * DFNCPUS DFNCPUS = DFTCPUS - DFEUPUS
DFNDP	Distillate fuel adjusted sales to all sectors other than the electric utility sector.	Thousand barrels	DFNDPZZ = DFRSPZZ + DFCMPZZ + DFINPZZ + DFTRPZZ DFNDPUS = Σ DFNDPZZ
DFOCP	Distillate fuel adjusted sales for use by oil companies.	Thousand barrels	DFOCPZZ is independent. DFOCPUS = Σ DFOCPZZ
DFOFP	Distillate fuel adjusted sales as diesel fuel for off-highway use.	Thousand barrels	DFOFPZZ is independent. DFOFPUS = Σ DFOFPZZ
DFONP	Distillate fuel adjusted sales as diesel fuel for on-highway use.	Thousand barrels	DFONPZZ is independent. DFONPUS = Σ DFONPZZ
DFOTP	Distillate fuel adjusted sales for all other uses not identified in other adjusted sales categories.	Thousand barrels	DFOTPZZ is independent. DFOTPUS = Σ DFOTPZZ
DFRCB	Distillate fuel consumed by the residential sector.	Billion Btu	DFRCBZZ = DFRCPZZ * 5.825 DFRCBUS = Σ DFRCBZZ
DFRCP	Distillate fuel consumed by the residential sector.	Thousand barrels	DFRCPZZ = (DFRSPZZ / DFNDPZZ) * DFNCPZZ DFRCPUS = Σ DFRCPZZ
DFRRP	Distillate fuel adjusted sales for use by railroads.	Thousand barrels	DFRRPZZ is independent. DFRRPUS = Σ DFRRPZZ
DFRSP	Distillate fuel adjusted sales to the residential sector.	Thousand barrels	DFRSPZZ is independent. DFRSPUS = Σ DFRSPZZ
DFTCB	Distillate fuel total consumed.	Billion Btu	DFTCBZZ = DFRCBZZ + DFCCBZZ + DFICBZZ + DFACBZZ + DFEUBZZ DFTCBUS = Σ DFTCBZZ
DFTCP	Distillate fuel total consumed.	Thousand barrels	DFTCPZZ = DFNCPZZ + DFEUPZZ DFTCPUS is independent.
DFTRP	Distillate fuel adjusted sales to the transportation sector.	Thousand barrels	DFTRPZZ = DFBKPZZ + DFMIPZZ + DFRRPZZ + DFONPZZ DFTRPUS = Σ DFTRPZZ

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DKEUB	Distillate fuel and kerosene-type jet fuel consumed by the electric utilities.	Billion Btu	DKEUBZZ = DFEUBZZ + JKEUBZZ DKEUBUS = Σ DKEUBZZ
DKEUP	Distillate fuel and kerosene-type jet fuel consumed by the electric utilities.	Thousand barrels	DKEUPZZ is independent. DKEUPUS = Σ DKEUPZZ
ELEXB	Electricity exported from the United States (assumed to be produced from hydroelectric power through 1988).	Billion Btu	ELEXBZZ = HYEXBZZ + EXEXBZZ ELEXBUS = Σ ELEXBZZ
ELEXP	Electricity exported from the United States (assumed to be produced from hydroelectric power through 1988).	Million kilowatthours	ELEXPZZ is independent. ELEXPUS = Σ ELEXPZZ
ELIMB	Electricity imported into the United States (assumed to be produced from hydroelectric power through 1988).	Billion Btu	ELIMBZZ = HYIMBZZ + GEIMBZZ + EXIMBZZ ELIMBUS = Σ ELIMBZZ
ELIMP	Electricity imported into the United States (assumed to be produced from hydroelectric power through 1988).	Million kilowatthours	ELIMPZZ is independent. ELIMPUS = Σ ELIMPZZ
ELISB	Net interstate flow of electricity. (Negative indicates flow out of State; positive indicates flow into State.)	Billion Btu	ELISBZZ = (ESTCBZZ + LOTCBZZ) - TEEUBZZ ELISBUS = Σ ELISBZZ
ELISP	Net interstate flow of electricity. (Negative indicates flow out of State; positive indicates flow into State.)	Million kilowatthours	ELISPZZ = ELISBZZ / 3.412 ELISPUS = Σ ELISPZZ
ELLSS48	The ratio of electrical system energy losses to electricity sold in the contiguous 48 States and the District of Columbia.	Fraction	ELLSS48 = LOTCB48 / ESTCB48
ENACB	Ethanol consumed by the transportation sector.	Billion Btu	ENACBZZ = ENACPZZ * 3.539 ENACBUS = Σ ENACBZZ
ENACP	Ethanol consumed by the transportation sector.	Thousand barrels	ENACPZZ = (ENTRPZZ / ENTRPUS) * ENACPUS ENACPUS is independent.
ENTRP	Ethanol blended into motor gasoline.	Thousand gallons	ENTRPZZ is independent. ENTRPUS = Σ ENTRPZZ
EREXB	Electricity produced from renewable energy sources and exported from the United States.	Billion Btu	EREXBZZ = HYEXBZZ EREXBUS = Σ EREXBZZ

EREXP	Electricity produced from renewable energy sources and exported from the United States.	Million kilowatthours	EREXPZZ = HYEXPZZ EREXPUS = ΣEREXPZZ
ERIMB	Electricity produced from renewable energy sources and imported into the United States.	Billion Btu	ERIMBZZ = HYIMBZZ + GEIMBZZ ERIMBUS = ΣERIMBZZ
ERIMP	Electricity produced from renewable energy sources and imported into the United States.	Million kilowatthours	ERIMPZZ = HYIMPZZ + GEIMPZZ ERIMPUS = ΣERIMPZZ
ESACB	Electricity consumed by (i.e., sold to) the transportation sector.	Billion Btu	ESACBZZ = ESACPZZ * 3.412 ESACBUS = ΣESACBZZ
ESACP	Electricity consumed by (i.e., sold to) the transportation sector.	Million kilowatthours	ESACPZZ = (ESTRPZZ / ESTRPUS) * ESACPUS ESACPUS = ESOTPUS * ESTRSUS
ESCCB	Electricity consumed by (i.e., sold to) the commercial sector.	Billion Btu	ESCCBZZ = ESCCPZZ * 3.412 ESCCBUS = ΣESCCBZZ
ESCCP	Electricity consumed by (i.e., sold to) the commercial sector.	Million kilowatthours	ESCCPZZ = ESCMPZZ + ESOTPZZ - ESACPZZ ESCCPUS = ΣESCCPZZ
ESCMP	Electricity sold to a portion of the commercial sector.	Million kilowatthours	ESCMPZZ is independent. ESCMPUS = ΣESCMPZZ
ESICB	Electricity consumed by (i.e., sold to) the industrial sector.	Billion Btu	ESICBZZ = ESICPZZ * 3.412 ESICBUS = ΣESICBZZ
ESICP	Electricity consumed by (i.e., sold to) the industrial sector.	Million kilowatthours	ESICPZZ is independent. ESICPUS = ΣESICPZZ
ESOTP	Electricity sold to the "Other" sector (i.e., public street and highway lighting, sales to other public authorities, railroads and railways, and interdepartmental sales).	Million kilowatthours	ESOTPZZ is independent. ESOTPUS = ΣESOTPZZ
ESRCB	Electricity consumed by (i.e., sold to) the residential sector.	Billion Btu	ESRCBZZ = ESRCPZZ * 3.412 ESRCBUS = ΣESRCBZZ
ESRCP	Electricity consumed by (i.e., sold to) the residential sector.	Million kilowatthours	ESRCPZZ is independent. ESRCPUS = ΣESRCPZZ
ESTCB	Electricity total consumed (i.e., sold).	Billion Btu	ESTCBZZ = ESTCPZZ * 3.412 ESTCBUS = ΣESTCBZZ ESTCB48 = ESTCBUS - (ESTCBAK + ESTCBHI)

ESTCP	Electricity total consumed (i.e., sold).	Million kilowatthours	$\text{ESTCPZZ} = \text{ESRCPZZ} + \text{ESCCPZZ} + \text{ESICPZZ} + \text{ESACPZZ}$ $\text{ESTCPUS} = \Sigma \text{ESTCPZZ}$
ESTRP	Electricity consumed by transit systems.	Million kilowatthours	ESTRPZZ is independent. $\text{ESTRPUS} = \Sigma \text{ESTRPZZ}$
ESTRSUS	The share of electricity sold to the "Other" sector (ESOTP) that is used for transportation.	Fraction	ESTRSUS is independent.
EXEXB	Electricity produced from nonrenewable energy sources and exported from the United States.	Billion Btu	$\text{EXEXBZZ} = \text{EXEXPZZ} * \text{FFEOKUS}$ $\text{EXEXBUS} = \Sigma \text{EXEXBZZ}$
EXEXP	Electricity produced from nonrenewable energy sources and exported from the United States.	Million kilowatthours	$\text{EXEXPZZ} = \text{ELEXPZZ} - \text{EREXPZZ}$ $\text{EXEXPUS} = \Sigma \text{EXEXPZZ}$
EXIMB	Electricity produced from nonrenewable energy sources and imported into the United States.	Billion Btu	$\text{EXIMBZZ} = \text{EXIMPZZ} * \text{FFEOKUS}$ $\text{EXIMBUS} = \Sigma \text{EXIMBZZ}$
EXIMP	Electricity produced from nonrenewable energy sources and imported into the United States.	Million kilowatthours	$\text{EXIMPZZ} = \text{ELIMPZZ} - \text{ERIMPZZ}$ $\text{EXIMPUS} = \Sigma \text{EXIMPZZ}$
EXNIB	Net imports of electricity into the United States produced from nonrenewable energy sources.	Billion Btu	$\text{EXNIBZZ} = \text{EXIMBZZ} - \text{EXEXBZZ}$ $\text{EXNIBUS} = \Sigma \text{EXNIBZZ}$
EXNIP	Net imports of electricity into the United States produced from nonrenewable energy sources.	Million kilowatthours	$\text{EXNIPZZ} = \text{EXIMPZZ} - \text{EXEXPZZ}$ $\text{EXNIPUS} = \Sigma \text{EXNIPZZ}$
FFEOKUS	Fossil fuel steam-electric power plant conversion factor.	Thousand Btu per kilowatthour	FFEOKUS is independent.
FNICB	Petrochemical feedstocks, naphtha less than 401° F, consumed by the industrial sector.	Billion Btu	$\text{FNICBZZ} = \text{FNTCBZZ}$ $\text{FNICBUS} = \text{FNTCBUS}$
FNICP	Petrochemical feedstocks, naphtha less than 401° F, consumed by the industrial sector.	Thousand barrels	$\text{FNICPZZ} = \text{FNTCPZZ}$ $\text{FNICPUS} = \text{FNTCPUS}$
FNTCB	Petrochemical feedstocks, naphtha less than 401° F, total consumed.	Billion Btu	$\text{FNTCBZZ} = \text{FNTCPZZ} * 5.248$ $\text{FNTCBUS} = \Sigma \text{FNTCBZZ}$
FNTCP	Petrochemical feedstocks, naphtha less than 401° F, total consumed.	Thousand barrels	$\text{FNTCPZZ} = (\text{OCVAVZZ} / \text{OCVAVUS}) * \text{FNTCPUS}$ FNTCPUS is independent.
FOICB	Petrochemical feedstocks, other oils equal to or greater than 401° F, consumed by the industrial sector.	Billion Btu	$\text{FOICBZZ} = \text{FOTCBZZ}$ $\text{FOICBUS} = \text{FOTCBUS}$

FOICP	Petrochemical feedstocks, other oils equal to or greater than 401° F, consumed by the industrial sector.	Thousand barrels	FOICPZZ = FOTCPZZ FOICPUS = FOTCPUS
FOTCB	Petrochemical feedstocks, other oils equal to or greater than 401° F, total consumed.	Billion Btu	FOTCBZZ = FOTCPZZ * 5.825 FOTCBUS = ΣFOTCBZZ
FOTCP	Petrochemical feedstocks, other oils equal to or greater than 401° F, total consumed.	Thousand barrels	FOTCPZZ = (OCVAVZZ / OCVAVUS) * FOTCPUS FOTCPUS is independent.
FSICB	Petrochemical feedstocks, still gas, consumed by the industrial sector.	Billion Btu	FSICBZZ = FSTCBZZ FSICBUS = FSTCBUS
FSICP	Petrochemical feedstocks, still gas, consumed by the industrial sector.	Thousand barrels	FSICPZZ = FSTCPZZ FSICPUS = FSTCPUS
FSTCB	Petrochemical feedstocks, still gas, total consumed.	Billion Btu	FSTCBZZ = FSTCPZZ * 6.000 FSTCBUS = ΣFSTCBZZ
FSTCP	Petrochemical feedstocks, still gas, total consumed.	Thousand barrels	FSTCPZZ = (COCAPZZ / COCAPUS) * FSTCPUS FSTCPUS is independent.
GECCB	Direct use of geothermal energy and heat pumps in the commercial sector.	Billion Btu	GECCBZZ is independent. GECCBUS = ΣGECCBZZ
GEENB	Geothermal subtotal: electricity produced from geothermal energy at electric utilities plus imports of electricity into the United States.	Billion Btu	GEENBZZ = GEEOBZZ + GEIMBZZ GEENBUS = ΣGEENBZZ
GEENP	Geothermal subtotal: electricity produced from geothermal energy at electric utilities plus imports of electricity into the United States.	Million kilowatthours	GEENPZZ = GEEOPZZ + GEIMPZZ GEENPUS = ΣGEENPZZ
GEEOB	Electricity produced from geothermal energy at electric utilities.	Billion Btu	GEEOBZZ = GEEOPZZ * GEEOKUS GEEOBUS = ΣGEEOBZZ
GEEOKUS	Factor for converting electricity produced from geothermal energy from physical units to Btu.	Thousand Btu per kilowatthour	GEEOKUS is independent.
GEEOP	Electricity produced from geothermal energy at electric utilities.	Million kilowatthours	GEEOPZZ is independent. GEEOPUS = ΣGEEOPZZ
GEICB	Geothermal energy used in the industrial sector.	Billion Btu	GEICBZZ = GEINBZZ + GENGBZZ GEICBUS = ΣGEICBZZ

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GEIMB	Electricity produced from geothermal energy and imported into the United States.	Billion Btu	GEIMBZZ = GEIMPZZ * GEEOKUS GEIMBUS = ΣGEIMBZZ
GEIMP	Electricity produced from geothermal energy and imported into the United States.	Million kilowatthours	GEIMPZZ is independent. GEIMPUS = ΣGEIMPZZ
GEINB	Direct use of geothermal energy and heat pumps in the industrial sector.	Billion Btu	GEINBZZ is independent. GEINBUS = ΣGEINBZZ
GENGB	Electricity produced from geothermal energy by nonutility power producers.	Billion Btu	GENGBZZ = GENGPZZ * GEEOKUS GENGBUS = ΣGENGBZZ
GENGP	Electricity produced from geothermal energy by nonutility power producers.	Million kilowatthours	GENGPZZ is independent. GENGPUS = ΣGENGPZZ
GERCB	Direct use of geothermal energy and heat pumps in the residential sector.	Billion Btu	GERCBZZ is independent. GERCBUS = ΣGERCBZZ
GETCB	Geothermal total energy consumed (including imports of geothermal-based electricity).	Billion Btu	GETCBZZ = GERCBZZ + GECCBZZ + GEICBZZ + GEENBZZ GETCBUS = ΣGETCBZZ
GOICB	Electricity produced from geothermal, wind, nuclear, photovoltaic, and solar thermal energy sources in the industrial sector.	Billion Btu	GOICBZZ = GEICBZZ + SOICBZZ + WYICBZZ + NUATBZZ GOICBUS = ΣGOICBZZ
GOTCB	Electricity produced from geothermal, wind, photovoltaic, and solar thermal energy sources; total produced.	Billion Btu	GOTCBZZ = GETCBZZ + SOTCBZZ + WYTCBZZ GOTCBUS = ΣGOTCBZZ
HPATB	Electricity produced from pumped storage hydroelectric power by nonutility power producers.	Billion Btu	HPATBZZ = HPATPZZ * FFEOKUS. HPATBUS = ΣHPATBZZ
HPATP	Electricity produced from pumped storage hydroelectric power by nonutility power producers.	Million kilowatthours	HPATPZZ is independent. HPATPUS = ΣHPATPZZ
HPEOB	Electricity produced from pumped storage hydroelectric power at electric utilities.	Billion Btu	HPEOBZZ = HPEOPZZ * FFEOKUS HPEOBUS = ΣHPEOBZZ
HPEOP	Electricity produced from pumped storage hydroelectric power at electric utilities.	Million kilowatthours	HPEOPZZ is independent. HPEOPUS = ΣHPEOPZZ
HVATB	Electricity produced from conventional hydropower by nonutility power producers.	Billion Btu	HVATBZZ = HVATPZZ * FFEOKUS HVATBUS = ΣHVATBZZ

HVATP	Electricity produced from conventional hydropower by nonutility power producers.	Million kilowatthours	HVATPZZ is independent. HVATPUS = Σ HVATPZZ
HVENB	Renewable hydroelectric subtotal: electricity produced from conventional hydropower at electric utilities plus net imports of electricity into the United States.	Billion Btu	HVENBZZ = HVEOBZZ + HYIMBZZ - HYEXBZZ HVENBUS = Σ HVENBZZ
HVENP	Renewable hydroelectric subtotal: electricity produced from conventional hydropower at electric utilities plus net imports of electricity into the United States.	Million kilowatthours	HVENPZZ = HVEOPZZ + HYIMPZZ - HYEXPZZ HVENPUS = Σ HVENPZZ
HVEOB	Electricity produced from conventional hydropower at electric utilities.	Billion Btu	HVEOBZZ = HVEOPZZ * FFEOKUS HVEOBUS = Σ HVEOBZZ
HVEOP	Electricity produced from conventional hydropower at electric utilities.	Million kilowatthours	HVEOPZZ is independent. HVEOPUS = Σ HVEOPZZ
HYATB	Electricity produced from all types of hydropower by nonutility power producers.	Billion Btu	HYATBZZ = HPATBZZ + HVATBZZ HYATBUS = Σ HYATBZZ
HYATP	Electricity produced from all types of hydropower by nonutility power producers.	Million kilowatthours	HYATPZZ = HPATPZZ + HVATPZZ HYATPUS = Σ HYATPZZ
HYENB	Electricity produced from all types of hydropower at electric utilities plus net imports of electricity into the United States.	Billion Btu	HYENBZZ = HYEOBZZ + HYIMBZZ - HYEXBZZ HYENBUS = Σ HYENBZZ
HYENP	Electricity produced from all types of hydropower at electric utilities plus net imports of electricity into the United States.	Million kilowatthours	HYENPZZ = HYEOPZZ + HYIMPZZ - HYEXPZZ HYENPUS = Σ HYENPZZ
HYEOB	Electricity produced from all types of hydropower at electric utilities.	Billion Btu	HYEOBZZ = HPEOBZZ + HVEOBZZ HYEOBUS = Σ HYEOBZZ
HYEOP	Electricity produced from all types of hydropower at electric utilities.	Million kilowatthours	HYEOPZZ = HPEOPZZ + HVEOPZZ HYEOPUS = Σ HYEOPZZ
HYEXB	Electricity produced from hydroelectric power and exported from the United States.	Billion Btu	HYEXBZZ = HYEXPZZ * FFEOKUS HYEXBUS = Σ HYEXBZZ
HYEXP	Electricity produced from hydroelectric power and exported from the United States.	Million kilowatthours	HYEXPZZ is independent. HYEXPUS = Σ HYEXPZZ

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HYIMB	Electricity produced from hydroelectric power and imported into the United States.	Billion Btu	HYIMBZZ = HYIMPZZ * FFEOKUS HYIMBUS = ΣHYIMBZZ
HYIMP	Electricity produced from hydroelectric power and imported into the United States.	Million kilowatthours	HYIMPZZ is independent. HYIMPUS = ΣHYIMPZZ
HYTCB	Electricity produced from hydropower at electric utilities (including net imports of electricity) and by nonutility power producers.	Billion Btu	HYTCBZZ = HYENBZZ + HYATBZZ HYTCBUS = ΣHYTCBZZ
HYTCP	Electricity produced from hydropower at electric utilities (including net imports of electricity) and by nonutility power producers.	Million kilowatthours	HYTCPZZ = HYENPZZ + HYATPZZ HYTCPUS = ΣHYTCPZZ
JFACB	Jet fuel consumed by the transportation sector.	Billion Btu	JFACBZZ = JKACBZZ + JNACBZZ JFACBUS = ΣJFACBZZ
JFACP	Jet fuel consumed by the transportation sector.	Thousand barrels	JFACPZZ = JKACPZZ + JNACPZZ JFACPUS = ΣJFACPZZ
JFEUB	Jet fuel consumed by electric utilities.	Billion Btu	JFEUBZZ = JKEUBZZ JFEUBUS = JKEUBUS
JFEUP	Jet fuel consumed by electric utilities.	Thousand barrels	JFEUPZZ = JKEUPZZ JFEUPUS = JKEUPUS
JFTCB	Jet fuel total consumed.	Billion Btu	JFTCBZZ = JFACBZZ + JFEUBZZ JFTCBUS = ΣJFTCBZZ
JFTCP	Jet fuel total consumed.	Thousand barrels	JFTCPZZ = JFACPZZ + JFEUPZZ JFTCPUS = ΣJFTCPZZ
JKACB	Kerosene-type jet fuel consumed by the transportation sector.	Billion Btu	JKACBZZ = JKACPZZ * 5.670 JKACBUS = ΣJKACBZZ
JKACP	Kerosene-type jet fuel consumed by the transportation sector.	Thousand barrels	JKACPZZ = (JKTTPZZ / JKTTTUS) * JKACPUS JKACPUS = JKTCPUS - JKEUPUS
JKEUB	Kerosene-type jet fuel consumed by electric utilities.	Billion Btu	JKEUBZZ = JKEUPZZ * 5.670 JKEUBUS = ΣJKEUBZZ
JKEUP	Kerosene-type jet fuel consumed by electric utilities.	Thousand barrels	JKEUPZZ is independent. JKEUPUS = ΣJKEUPZZ
JKTCB	Kerosene-type jet fuel total consumed.	Billion Btu	JKTCBZZ = JKTCPZZ * 5.670 JKTCBUS = ΣJKTCBZZ

JKTCP	Kerosene-type jet fuel total consumed.	Thousand barrels	JKTCPZZ = JKACPZZ + JKEUPZZ JKTCPUS is independent.
JKTTP	Kerosene-type jet fuel total sold.	Thousand gallons	JKTTPZZ is independent. JKTTPUS = Σ JKTTPZZ
JNACB	Naphtha-type jet fuel consumed by the transportation sector.	Billion Btu	JNACBZZ = JNTCBZZ JNACBUS = JNTCBUS
JNACP	Naphtha-type jet fuel consumed by the transportation sector.	Thousand barrels	JNACPZZ = JNTCPZZ JNACPUS = JNTCPUS
JNMIP	Naphtha-type jet fuel issued to the military.	Thousand barrels	JNMIPZZ is independent. JNMIPUS = Σ JNMIPZZ
JNTCB	Naphtha-type jet fuel total consumed.	Billion Btu	JNTCBZZ = JNTCPZZ * 5.355 JNTCBUS = Σ JNTCBZZ
JNTCP	Naphtha-type jet fuel total consumed.	Thousand barrels	JNTCPZZ = (JNMIPZZ / JNMIPUS) * JNTCPUS JNTCPUS is independent.
KSCCB	Kerosene consumed by the commercial sector.	Billion Btu	KSCCBZZ = KSCCPZZ * 5.670 KSCCBUS = Σ KSCCBZZ
KSCCP	Kerosene consumed by the commercial sector.	Thousand barrels	KSCCPZZ = (KSCMPZZ / KSTTPZZ) * KSTCPZZ KSCCPUS = Σ KSCCPZZ
KSCMP	Kerosene sold to the commercial sector.	Thousand barrels	KSCMPZZ is independent. KSCMPUS = Σ KSCMPZZ
KSICB	Kerosene consumed by the industrial sector.	Billion Btu	KSICBZZ = KSICPZZ * 5.670 KSICBUS = Σ KSICBZZ
KSICP	Kerosene consumed by the industrial sector.	Thousand barrels	KSICPZZ = (KSINPZZ / KSTTPZZ) * KSTCPZZ KSICPUS = Σ KSICPZZ
KSIHP	Kerosene sold for industrial heating.	Thousand barrels	KSIHPZZ is independent. KSIHPUS = Σ KSIHPZZ
KSINP	Kerosene sold to the industrial sector.	Thousand barrels	KSINPZZ = KSOTPZZ + KSIHPZZ KSINPUS = Σ KSINPZZ
KSOTP	Kerosene sold for all other uses, including farm use.	Thousand barrels	KSOTPZZ is independent. KSOTPUS = Σ KSOTPZZ

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KSRCB	Kerosene consumed by the residential sector.	Billion Btu	KSRCBZZ = KSRCPZZ * 5.670 KSRCBUS = ΣKSRCBZZ
KSRCP	Kerosene consumed by the residential sector.	Thousand barrels	KSRCPZZ = (KSRSPPZZ / KSTTPZZ) * KSTCPZZ KSRCBUS = ΣKSRCPZZ
KSRSP	Kerosene sold to the residential sector.	Thousand barrels	KSRSPZZ is independent. KSRSPBUS = ΣKSRSPZZ
KSTCB	Kerosene total consumed.	Billion Btu	KSTCBZZ = KSRCBZZ + KSICBZZ + KSCCBZZ KSTCBUS = ΣKSTCBZZ
KSTCP	Kerosene total consumed.	Thousand barrels	KSTCPZZ = (KSTTPZZ / KSTTPBUS) * KSTCPBUS KSTCPBUS is independent.
KSTTP	Kerosene total sold.	Thousand barrels	KSTTPZZ = KSRSPZZ + KSCMPZZ + KSINPZZ KSTTPBUS = ΣKSTTPZZ
LGACB	LPG consumed by the transportation sector.	Billion Btu	LGACBZZ = LGACPZZ * LGTCKUS LGACBUS = ΣLGACBZZ
LGACP	LPG consumed by the transportation sector.	Thousand barrels	LGACPZZ = LGCBPZZ * LGTRSUS LGACPBUS = ΣLGACPZZ
LGCBM	LPG sales for internal combustion engine use.	Thousand gallons	LGCBMZZ is independent. LGCBMUS = ΣLGCBMZZ
LGCBP	LPG consumed for internal combustion engine use.	Thousand barrels	LGCBPZZ = LGCBMZZ / 42 LGCBBUS = ΣLGCBPZZ
LGCCB	LPG consumed by the commercial sector.	Billion Btu	LGCCBZZ = LGCCPZZ * LGTCKUS LGCCBUS = ΣLGCCBZZ
LGCCP	LPG consumed by the commercial sector.	Thousand barrels	LGCCPZZ = LGHCPZZ * 0.15 LGCCBUS = ΣLGCCPZZ
LGHCM	LPG sold for residential and commercial use.	Thousand gallons	LGHCMZZ is independent. LGHCMUS = ΣLGHCMZZ
LGHCP	LPG consumed by the residential and commercial sectors.	Thousand barrels	LGHCPZZ = LGHCMZZ / 42 LGHCPBUS = ΣLGHCPZZ
LGICB	LPG consumed by the industrial sector.	Billion Btu	LGICBZZ = LGICPZZ * LGTCKUS LGICBUS = ΣLGICBZZ

LGICP	LPG consumed by the industrial sector.	Thousand barrels	$\text{LGICPZZ} = \text{LGTCPPZZ} - (\text{LGRCPZZ} + \text{LGCCPZZ} + \text{LGACPZZ})$ $\text{LGICPUS} = \Sigma \text{LGICPZZ}$
LGRCB	LPG consumed by the residential sector.	Billion Btu	$\text{LGRCBZZ} = \text{LGRCPZZ} * \text{LGTCKUS}$ $\text{LGRCBUS} = \Sigma \text{LGRCBZZ}$
LGRCP	LPG consumed by the residential sector.	Thousand barrels	$\text{LGRCPZZ} = \text{LGHCPZZ} * 0.85$ $\text{LGRCPUS} = \Sigma \text{LGRCPZZ}$
LGTCB	LPG total consumed.	Billion Btu	$\text{LGTCBZZ} = \text{LGRCBZZ} + \text{LGCCBZZ} + \text{LGICBZZ} + \text{LGACBZZ}$ $\text{LGTCBUS} = \Sigma \text{LGTCBZZ}$
LGTCKUS	Factor for converting LPG from physical units to Btu.	Million Btu per barrel	LGTCKUS is independent.
LGTCP	LPG total consumed.	Thousand barrels	$\text{LGTCPZZ} = (\text{LGTTPZZ} / \text{LGTTPUS}) * \text{LGTCPUS}$ LGTCPUS is independent.
LGTRSUS	The transportation sector's share of LPG internal combustion engine sales.	Fraction	LGTRSUS is independent.
LGTPP	LPG total sold.	Thousand gallons	LGTPPZZ is independent. $\text{LGTPPUS} = \Sigma \text{LGTPPZZ}$
LOACB	The transportation sector's share of electrical system energy losses.	Billion Btu	$\text{LOACBZZ} = \text{ESACBZZ} * \text{ELLSS48}$ Exceptions: $\text{LOACBAK} = (\text{ESACBAK} / \text{ESTCBAK}) * \text{LOTGBAK}$ $\text{LOACBHI} = (\text{ESACBHI} / \text{ESTCBHI}) * \text{LOTGBHI}$ $\text{LOACBUS} = \Sigma \text{LOACBZZ}$
LOACP	The transportation sector's share of electrical system energy losses.	Million kilowatthours	$\text{LOACPZZ} = \text{LOACBZZ} / 3.412$ $\text{LOACPUS} = \text{LOACBUS} / 3.412$
LOCCB	The commercial sector's share of electrical system energy losses.	Billion Btu	$\text{LOCCBZZ} = \text{ESCCBZZ} * \text{ELLSS48}$ Exceptions: $\text{LOCCBAK} = (\text{ESCCBAK} / \text{ESTCBAK}) * \text{LOTGBAK}$ $\text{LOCCBHI} = (\text{ESCCBHI} / \text{ESTCBHI}) * \text{LOTGBHI}$ $\text{LOCCBUS} = \Sigma \text{LOCCBZZ}$
LOCCP	The commercial sector's share of electrical system energy losses.	Million kilowatthours	$\text{LOCCPZZ} = \text{LOCCBZZ} / 3.412$ $\text{LOCCPUS} = \text{LOCCBUS} / 3.412$
LOICB	The industrial sector's share of electrical system energy losses.	Billion Btu	$\text{LOICBZZ} = \text{ESICBZZ} * \text{ELLSS48}$ Exceptions:

$$\begin{aligned} \text{LOICBAK} &= (\text{ESICBAK} / \text{ESTCBAK}) * \text{LOT CBAK} \\ \text{LOICBHI} &= (\text{ESICBHI} / \text{ESTCBHI}) * \text{LOT CBHI} \\ \text{LOICBUS} &= \Sigma \text{LOICBZZ} \end{aligned}$$

$$\begin{aligned} \text{LOICPZZ} &= \text{LOICBZZ} / 3.412 \\ \text{LOICPUS} &= \text{LOICBUS} / 3.412 \end{aligned}$$

$$\begin{aligned} \text{LORCBZZ} &= \text{ESRCBZZ} * \text{ELLSS48} \\ \text{Exceptions:} \\ \text{LORCBAK} &= (\text{ESRCBAK} / \text{ESTCBAK}) * \text{LOT CBAK} \\ \text{LORCBHI} &= (\text{ESRCBHI} / \text{ESTCBHI}) * \text{LOT CBHI} \\ \text{LORCBUS} &= \Sigma \text{LORCBZZ} \end{aligned}$$

$$\begin{aligned} \text{LORCPZZ} &= \text{LORCBZZ} / 3.412 \\ \text{LORCPUS} &= \text{LORCBUS} / 3.412 \end{aligned}$$

$$\begin{aligned} \text{LOT C BZZ} &= \text{ESTC BZZ} * \text{ELLSS48} \\ \text{Exceptions:} \\ \text{LOT CBAK} &= \text{TEEUBAK} - \text{ESTCBAK} \\ \text{LOT CBHI} &= \text{TEEUBHI} - \text{ESTCBHI} \\ \text{LOT CBUS} &= \text{TEEUBUS} - \text{ESTCBUS} \\ \text{LOT CB48} &= \text{LOT CBUS} - (\text{LOT CBAK} + \text{LOT CBHI}) \end{aligned}$$

$$\begin{aligned} \text{LOT CPZZ} &= \text{LOT C BZZ} / 3.412 \\ \text{LOT CPUS} &= \text{LOT CBUS} / 3.412 \end{aligned}$$

$$\begin{aligned} \text{LUACBZZ} &= \text{LUACPZZ} * 6.065 \\ \text{LUACBUS} &= \Sigma \text{LUACBZZ} \end{aligned}$$

$$\begin{aligned} \text{LUACPZZ} &= (\text{LUTRPZZ} / \text{LUTTPZZ}) * \text{LUTCPZZ} \\ \text{LUACPUS} &= \Sigma \text{LUACPZZ} \end{aligned}$$

$$\begin{aligned} \text{LUICBZZ} &= \text{LUICPZZ} * 6.065 \\ \text{LUICBUS} &= \Sigma \text{LUICBZZ} \end{aligned}$$

$$\begin{aligned} \text{LUICPZZ} &= (\text{LUINPZZ} / \text{LUTTPZZ}) * \text{LUTCPZZ} \\ \text{LUICPUS} &= \Sigma \text{LUICPZZ} \end{aligned}$$

$$\begin{aligned} \text{LUINPZZ} &\text{ is independent.} \\ \text{LUINPUS} &= \Sigma \text{LUINPZZ} \end{aligned}$$

$$\begin{aligned} \text{LUTCBZZ} &= \text{LUICBZZ} + \text{LUACBZZ} \\ \text{LUTCBUS} &= \Sigma \text{LUTCBZZ} \end{aligned}$$

$$\begin{aligned} \text{LUTCPZZ} &= (\text{LUTTPZZ} / \text{LUTTPUS}) * \text{LUTCPUS} \\ \text{LUTCPUS} &\text{ is independent.} \end{aligned}$$

LOICP	The industrial sector's share of electrical system energy losses.	Million kilowatthours
LORCB	The residential sector's share of electrical system energy losses.	Billion Btu
LORCP	The residential sector's share of electrical system energy losses.	Million kilowatthours
LOT C B	Total electrical system energy losses.	Billion Btu
LOT CP	Total electrical system energy losses.	Million kilowatthours
LUACB	Lubricants consumed by the transportation sector.	Billion Btu
LUACP	Lubricants consumed by the transportation sector.	Thousand barrels
LUICB	Lubricants consumed by the industrial sector.	Billion Btu
LUICP	Lubricants consumed by the industrial sector.	Thousand barrels
LUINP	Lubricants sold to the industrial sector.	Thousand barrels
LUT C B	Lubricants total consumed.	Billion Btu
LUT CP	Lubricants total consumed.	Thousand barrels

LUTRP	Lubricants sold to the transportation sector.	Thousand barrels	LUTRPZZ is independent. LUTRPUS = Σ LUTRPZZ
LUTTP	Lubricants total sold.	Thousand barrels	LUTTPZZ = LUINPZZ + LUTRPZZ LUTTPUS = Σ LUTTPZZ
MBICB	Motor gasoline blending components consumed by the industrial sector.	Billion Btu	MBICBZZ = MBTCBZZ MBICBUS = MBTCBUS
MBICP	Motor gasoline blending components consumed by the industrial sector.	Thousand barrels	MBICPZZ = MBTCPZZ MBICPUS = MBTCPUS
MBTCB	Motor gasoline blending components total consumed.	Billion Btu	MBTCBZZ = MBTCPZZ * 5.253 MBTCBUS = Σ MBTCBZZ
MBTCP	Motor gasoline blending components total consumed.	Thousand barrels	MBTCPZZ = (COCAPZZ / COCAPUS) * MBTCPUS MBTCPUS is independent.
MGACB	Motor gasoline consumed by the transportation sector.	Billion Btu	MGACBZZ = MGACPZZ * 5.253 MGACBUS = Σ MGACBZZ
MGACP	Motor gasoline consumed by the transportation sector.	Thousand barrels	MGACPZZ = (MGTRPZZ / MGTTPZZ) * MGTCPZZ MGACPUS = Σ MGACPZZ
MGAGP	Motor gasoline sold for agricultural use.	Thousand gallons	MGAGPZZ is independent. MGAGPUS = Σ MGAGPZZ
MGCCB	Motor gasoline consumed by the commercial sector.	Billion Btu	MGCCBZZ = MGCCPZZ * 5.253 MGCCBUS = Σ MGCCBZZ
MGCCP	Motor gasoline consumed by the commercial sector.	Thousand barrels	MGCCPZZ = (MGCMPZZ / MGTTPZZ) * MGTCPZZ MGCCPUS = Σ MGCCPZZ
MGCMP	Motor gasoline sold to the commercial sector.	Thousand gallons	MGCMPZZ = MGMPSPZZ + MGPNPZZ MGCMPUS = Σ MGCMPZZ
MGCUP	Motor gasoline sold for construction use.	Thousand gallons	MGCUPZZ is independent. MGCUPUS = Σ MGCUPZZ
MGICB	Motor gasoline consumed by the industrial sector.	Billion Btu	MGICBZZ = MGICPZZ * 5.253 MGICBUS = Σ MGICBZZ
MGICP	Motor gasoline consumed by the industrial sector.	Thousand barrels	MGICPZZ = (MGINPZZ / MGTTPZZ) * MGTCPZZ MGICPUS = Σ MGICPZZ

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MGINP	Motor gasoline sold to the industrial sector.	Thousand gallons	MGINPZZ = MGAGPZZ + MGCUPZZ + MGIYPZZ MGINPUS = ΣMGINPZZ
MGIYP	Motor gasoline sold for industrial and commercial use (Federal Highway Administration terminology).	Thousand gallons	MGIYPZZ is independent MGIYPUS = ΣMGIYPZZ
MGMFP	Motor gasoline sold for highway use.	Thousand gallons	MGMFPZZ is independent. MGMFPUS = ΣMGMFPZZ
MGMRP	Motor gasoline sold for marine use.	Thousand gallons	MGMRPZZ is independent. MGMRPUS = ΣMGMRPZZ
MGMSP	Motor gasoline sold for miscellaneous and unclassified uses.	Thousand gallons	MGMSPZZ is independent. MGMSPUS = ΣMGMSPZZ
MGPNP	Motor gasoline sold for public nonhighway use.	Thousand gallons	MGPNPZZ is independent. MGPNPUS = ΣMGPNPZZ
MGSFP	Motor gasoline special fuels sold (primarily diesel fuel with small amounts of liquefied petroleum gases).	Thousand gallons	MGSFPZZ is independent. MGSFPUS = ΣMGSFPZZ
MGTCB	Motor gasoline total consumed.	Billion Btu	MGTCBZZ = MGCCBZZ + MGICBZZ + MGACBZZ MGTCBUS = ΣMGTCBZZ
MGTCP	Motor gasoline total consumed.	Thousand barrels	MGTCPZZ = (MGTPPZZ / MGTPPUS) * MGTCPUS MGTCPUS is independent.
MGTRP	Motor gasoline sold to the transportation sector.	Thousand gallons	MGTRPZZ = MGMFPZZ + MGMRPZZ - MGSFPZZ MGTRPUS = ΣMGTRPZZ
MGTTP	Motor gasoline total sold.	Thousand gallons	MGTTPZZ = MGCMPZZ + MGINPZZ + MGTRPZZ MGTPPUS = ΣMGTPPZZ
MSICB	Miscellaneous petroleum products consumed by the industrial sector.	Billion Btu	MSICBZZ = MSTCBZZ MSICBUS = MSTCBUS
MSICP	Miscellaneous petroleum products consumed by the industrial sector.	Thousand barrels	MSICPZZ = MSTCPZZ MSICPUS = MSTCPUS
MSTCB	Miscellaneous petroleum products total consumed.	Billion Btu	MSTCBZZ = MSTCPZZ * 5.796 MSTCBUS = ΣMSTCBZZ
MSTCP	Miscellaneous petroleum products total consumed.	Thousand barrels	MSTCPZZ = (OCVAVZZ / OCVAVUS) * MSTCPUS MSTCPUS is independent.

NAICB	Natural gasoline consumed by the industrial sector.	Billion Btu	NAICBZZ = NATCBZZ NAICBUS = NATCBUS
NAICP	Natural gasoline consumed by the industrial sector.	Thousand barrels	NAICPZZ = NATCPZZ NAICPUS = NATCPUS
NATCB	Natural gasoline total consumed.	Billion Btu	NATCBZZ = NATCPZZ * 4.620 NATCBUS = ΣNATCBZZ
NATCP	Natural gasoline total consumed.	Thousand barrels	NATCPZZ = (OCVAVZZ / OCVAVUS) * NATCPUS NATCPUS is independent.
NGACB	Natural gas consumed by the transportation sector.	Billion Btu	NGACBZZ = NGACPZZ * NGNUKZZ NGACBUS = ΣNGACBZZ
NGACP	Natural gas consumed by the transportation sector.	Million cubic feet	NGACPZZ = NGPZPZZ + NGVHPZZ NGACPUS = ΣNGACPZZ
NGCCB	Natural gas delivered to the commercial sector, used as consumption.	Billion Btu	NGCCBZZ = NGCCPZZ * NGNUKZZ NGCCBUS = ΣNGCCBZZ
NGCCP	Natural gas delivered to the commercial sector, used as consumption.	Million cubic feet	NGCCPZZ is independent. NGCCPUS = ΣNGCCPZZ
NGEUB	Natural gas consumed by the electric utilities.	Billion Btu	NGEUBZZ = NGEUPZZ * NGEUKZZ NGEUBUS = ΣNGEUBZZ
NGEUK	Factor for converting natural gas consumed by the electric utilities from physical units to Btu.	Thousand Btu per cubic foot	NGEUKZZ is independent. NGEUKUS = NGEUBUS / NGEUPUS
NGEUP	Natural gas consumed by the electric utilities.	Million cubic feet	NGEUPZZ is independent. NGEUPUS = ΣNGEUPZZ
NGICB	Natural gas consumed by the industrial sector.	Billion Btu	NGICBZZ = NGICPZZ * NGNUKZZ NGICBUS = ΣNGICBZZ
NGICP	Natural gas consumed by the industrial sector.	Million cubic feet	NGICPZZ = NGINPZZ + NGLEPZZ + NGPLPZZ NGICPUS = ΣNGICPZZ
NGINP	A portion of the natural gas delivered to the industrial sector.	Million cubic feet	NGINPZZ is independent. NGINPUS = ΣNGINPZZ
NGLPB	Natural gas consumed as lease and plant fuel.	Billion Btu	NGLPBZZ = NGLPPZZ * NGNUKZZ NGLPBUS = ΣNGLPBZZ

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NGLPP	Natural gas consumed as lease and plant fuel.	Million cubic feet	$NGLPPZZ = NGLEPZZ + NGPLPZZ$ $NGLPPUS = \Sigma NGLPPZZ$
NGLEP	Natural gas consumed as lease fuel.	Million cubic feet	NGLEPZZ is independent. $NGLEPUS = \Sigma NGLEPZZ$
NGNUK	Factor for converting natural gas consumed by all sectors other than the electric utility sector from physical units to Btu.	Thousand Btu per cubic foot	$NGNUKZZ = (NGTCBZZ - NGEUBZZ) / (NGTCPZZ - NGEUPZZ)$ $NGNUKUS = (NGTCBUS - NGEUBUS) / (NGTCPUS - NGEUPUS)$
NGPLP	Natural gas consumed as plant fuel.	Million cubic feet	NGPLPZZ is independent. $NGPLPUS = \Sigma NGPLPZZ$
NGPZB	Natural gas consumed as pipeline fuel.	Billion Btu	$NGPZBZZ = NGPZPZZ * NGNUKZZ$ $NGPZBUS = \Sigma NGPZBZZ$
NGPZP	Natural gas consumed as pipeline fuel.	Million cubic feet	NGPZPZZ is independent. $NGPZPUS = \Sigma NGPZPZZ$
NGRCB	Natural gas delivered to the residential sector, used as consumption.	Billion Btu	$NGRCBZZ = NGRCPZZ * NGNUKZZ$ $NGRCBUS = \Sigma NGRCBZZ$
NGRCP	Natural gas delivered to the residential sector, used as consumption.	Million cubic feet	NGRCPZZ is independent. $NGRCPUS = \Sigma NGRCPZZ$
NGTCB	Natural gas total consumed.	Billion Btu	$NGTCBZZ = NGTCPZZ * NGTCKZZ$ $NGTCBUS = \Sigma NGTCBZZ$
NGTCK	Factor for converting natural gas total consumed from physical units to Btu.	Thousand Btu per cubic foot	NGTCKZZ is independent. $NGTCKUS = NGTCBUS / NGTCPUS$
NGTCP	Natural gas total consumed.	Million cubic feet	$NGTCPZZ = NGRCPZZ + NGCCPZZ + NGICPZZ + NGACPZZ + NGEUPZZ$ $NGTCPUS = \Sigma NGTCPZZ$
NGVHB	Natural gas consumed as vehicle fuel.	Billion Btu	$NGVHBZZ = NGVHPZZ * NGNUKZZ$ $NGVHBUS = \Sigma NGVHBZZ$
NGVHP	Natural gas consumed as vehicle fuel.	Million cubic feet	NGVHPZZ is independent. $NGVHPUS = \Sigma NGVHPZZ$
NUATB	Electricity produced from nuclear power by nonutility power producers.	Billion Btu	$NUATBZZ = NUATPZZ * NUEOKUS$ $NUATBUS = \Sigma NUATBZZ$

NUATP	Electricity produced from nuclear power by nonutility power producers.	Million kilowatthours	NUATPZZ is independent. NUATPUS = Σ NUATPZZ
NUEOB	Electricity produced from nuclear power at electric utilities.	Billion Btu	NUEOBZZ = NUEOPZZ * NUEOKUS NUEOBUS = Σ NUEOBZZ
NUEOKUS	Factor for converting electricity produced from nuclear power from physical units to Btu.	Thousand Btu per kilowatthour	NUEOKUS is independent.
NUEOP	Electricity produced from nuclear power at electric utilities.	Million kilowatthours	NUEOPZZ is independent. NUEOPUS = Σ NUEOPZZ
NUETB	Electricity total produced from nuclear power.	Billion Btu	NUETBZZ = NUEOBZZ + NUATBZZ NUETBUS = Σ NUETBZZ
NUETP	Electricity total produced from nuclear power.	Million kilowatthours	NUETPZZ = NUEOPZZ + NUATPZZ NUETPUS = Σ NUETPZZ
OCVAV	Value added in manufacture of industrial organic chemicals.	Million dollars	OCVAVZZ is independent. OCVAVUS = Σ OCVAVZZ
PAACB	All petroleum products consumed by the transportation sector.	Billion Btu	PAACBZZ = AVACBZZ + DFACBZZ + JKACBZZ + JNACBZZ + LGACBZZ + LUACBZZ + MGACBZZ + RFACBZZ PAACBUS = Σ PAACBZZ
PAACKUS	Factor for converting all petroleum products consumed by the transportation sector from physical units to Btu.	Million Btu per barrel	PAACKUS = PAACBUS / PAACPUS
PAACP	All petroleum products consumed by the transportation sector.	Thousand barrels	PAACPZZ = AVACPZZ + DFACPZZ + JKACPZZ + JNACPZZ + LGACPZZ + LUACPZZ + MGACPZZ + RFACPZZ PAACPUS = Σ PAACPZZ
PACCB	All petroleum products consumed by the commercial sector.	Billion Btu	PACCBZZ = DFCCBZZ + KSCCBZZ + LGCCBZZ + MGCCBZZ + RFCCBZZ PACCBUS = Σ PACCBZZ
PACCKUS	Factor for converting all petroleum products consumed by the commercial sector from physical units to Btu.	Million Btu per barrel	PACCKUS = PACCBUS / PACCPUS
PACCP	All petroleum products consumed by the commercial sector.	Thousand barrels	PACCPZZ = DFCCPZZ + KSCCPZZ + LGCCPZZ + MGCCPZZ + RFCCPZZ PACCPUS = Σ PACCPZZ

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PAEUB	All petroleum products consumed by the electric utilities.	Billion Btu	$\text{PAEUBZZ} = \text{DFEUBZZ} + \text{JKEUBZZ} + \text{PCEUBZZ} + \text{RFEUBZZ}$ $\text{PAEUBUS} = \Sigma \text{PAEUBZZ}$
PAEUKUS	Factor for converting all petroleum products consumed by the electric utilities from physical units to Btu.	Million Btu per barrel	$\text{PAEUKUS} = \text{PAEUBUS} / \text{PAEUPUS}$
PAEUP	All petroleum products consumed by the electric utilities.	Thousand barrels	$\text{PAEUPZZ} = \text{DFEUPZZ} + \text{JKEUPZZ} + \text{PCEUPZZ} + \text{RFEUPZZ}$ $\text{PAEUPUS} = \Sigma \text{PAEUPZZ}$
PAHCBUS	All petroleum products consumed by the residential and commercial sectors combined.	Billion Btu	$\text{PAHCBUS} = \text{PARCBUS} + \text{PACCBUS}$
PAHCKUS	Factor for converting all petroleum products consumed by the residential and commercial sectors combined from physical units to Btu.	Million Btu per barrel	$\text{PAHCKUS} = \text{PAHCBUS} / \text{PAHCPUS}$
PAHCPUS	All petroleum products consumed by the residential and commercial sectors combined.	Thousand barrels	$\text{PAHCPUS} = \text{PARCPUS} + \text{PACCPUS}$
PAICB	All petroleum products consumed by the industrial sector.	Billion Btu	$\text{PAICBZZ} = \text{ARICBZZ} + \text{DFICBZZ} + \text{KSICBZZ} + \text{LGICBZZ} + \text{LUICBZZ} + \text{MGICBZZ} + \text{RFICBZZ} + \text{POICBZZ}$ $\text{PAICBUS} = \Sigma \text{PAICBZZ}$
PAICKUS	Factor for converting all petroleum products consumed by the industrial sector from physical units to Btu.	Million Btu per barrel	$\text{PAICKUS} = \text{PAICBUS} / \text{PAICPUS}$
PAICP	All petroleum products consumed by the industrial sector.	Thousand barrels	$\text{PAICPZZ} = \text{ARICPZZ} + \text{DFICPZZ} + \text{KSICPZZ} + \text{LGICPZZ} + \text{LUICPZZ} + \text{MGICPZZ} + \text{RFICPZZ} + \text{POICPZZ}$ $\text{PAICPUS} = \Sigma \text{PAICPZZ}$
PARCB	All petroleum products consumed by the residential sector.	Billion Btu	$\text{PARCBZZ} = \text{DFRCBZZ} + \text{KSRCBZZ} + \text{LGRCBZZ}$ $\text{PARCBUS} = \Sigma \text{PARCBZZ}$
PARCKUS	Factor for converting all petroleum products consumed by the residential sector from physical units to Btu.	Million Btu per barrel	$\text{PARCKUS} = \text{PARCBUS} / \text{PARCPUS}$
PARCP	All petroleum products consumed by the residential sector.	Thousand barrels	$\text{PARCPZZ} = \text{DFRCPZZ} + \text{KSRCPZZ} + \text{LGRCPZZ}$ $\text{PARCPUS} = \Sigma \text{PARCPZZ}$

PATCB	All petroleum products consumed by all sectors.	Billion Btu	$\begin{aligned} \text{PATCBZZ} &= \text{ARTCBZZ} + \text{AVTCBZZ} + \\ &\quad \text{DFTCBZZ} + \text{JKTCBZZ} + \text{JNTCBZZ} + \\ &\quad \text{KSTCBZZ} + \text{LGTCBZZ} + \text{LUTCBZZ} + \\ &\quad \text{MGTCBZZ} + \text{RFTCBZZ} + \text{POTCBZZ} \\ \text{PATCBUS} &= \Sigma \text{PATCBZZ} \end{aligned}$
PATCKUS	Factor for converting all petroleum products consumed by all sectors from physical units to Btu.	Million Btu per barrel	$\text{PATCKUS} = \text{PATCBUS} / \text{PATCPUS}$
PATCP	All petroleum products consumed by all sectors.	Thousand barrels	$\begin{aligned} \text{PATCPZZ} &= \text{ARTCPZZ} + \text{AVTCPZZ} + \\ &\quad \text{DFTCPZZ} + \text{JKTCPZZ} + \text{JNTCPZZ} + \\ &\quad \text{KSTCPZZ} + \text{LGTCPZZ} + \text{LUTCPZZ} + \\ &\quad \text{MGTCPZZ} + \text{RFTCPZZ} + \text{POTCPZZ} \\ \text{PATCPUS} &= \Sigma \text{PATCPZZ} \end{aligned}$
PCEUB	Petroleum coke consumed by the electric utilities.	Billion Btu	$\begin{aligned} \text{PCEUBZZ} &= \text{PCEUPZZ} * 6.024 \\ \text{PCEUBUS} &= \Sigma \text{PCEUBZZ} \end{aligned}$
PCEUM	Petroleum coke consumed by the electric utilities.	Thousand tons	$\begin{aligned} \text{PCEUMZZ} &\text{ is independent.} \\ \text{PCEUMUS} &= \Sigma \text{PCEUMZZ} \end{aligned}$
PCEUP	Petroleum coke consumed by the electric utilities.	Thousand barrels	$\begin{aligned} \text{PCEUPZZ} &= \text{PCEUMZZ} * 5 \\ \text{PCEUPUS} &= \Sigma \text{PCEUPZZ} \end{aligned}$
PCICB	Petroleum coke consumed by the industrial sector.	Billion Btu	$\begin{aligned} \text{PCICBZZ} &= \text{PCICPZZ} * 6.024 \\ \text{PCICBUS} &= \Sigma \text{PCICBZZ} \end{aligned}$
PCICP	Petroleum coke consumed by the industrial sector.	Thousand barrels	$\begin{aligned} \text{PCICPZZ} &= \text{PCRFPZZ} + \text{PCOCPZZ} \\ \text{PCICPUS} &= \text{PCTCPUS} - \text{PCEUPUS} \end{aligned}$
PCOCB	Industrial use of petroleum coke other than that used for catalytic cracking.	Billion Btu	$\begin{aligned} \text{PCOCBZZ} &= \text{PCOCPZZ} * 6.024 \\ \text{PCOCBUS} &= \Sigma \text{PCOCBZZ} \end{aligned}$
PCOCP	Industrial use of petroleum coke other than that used for catalytic cracking.	Thousand barrels	$\begin{aligned} \text{PCOCPZZ} &= (\text{AICAPZZ} / \text{AICAPUS}) * \text{PCOCPUS} \\ \text{PCOCPUS} &= \text{PCICPUS} - \text{PCRFPUS} \end{aligned}$
PCRFB	Petroleum coke used at refineries as both catalytic and marketable coke.	Billion Btu	$\begin{aligned} \text{PCRFBZZ} &= \text{PCRFPZZ} * 6.024 \\ \text{PCRFBUS} &= \Sigma \text{PCRFBZZ} \end{aligned}$
PCRFP	Petroleum coke used at refineries as both catalytic and marketable coke.	Thousand barrels	$\begin{aligned} \text{PCRFPZZ} &= (\text{CTCAPZZ} / \text{CTCAPGZ}) * \text{PCRFPGZ} \text{ or} \\ &\quad (\text{CTCAPZZ} / \text{CTCAPPZ}) * \text{PCRFPZ} \text{ or} \\ &\quad \text{is independent.} \\ \text{PCRFPUS} &\text{ is independent.} \end{aligned}$

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PCTCB	Petroleum coke total consumed.	Billion Btu	PCTCBZZ = PCICBZZ + PCEUBZZ PCTCBUS = ΣPCTCBZZ
PCTCP	Petroleum coke total consumed.	Thousand barrels	PCTCPZZ = PCICPZZ + PCEUPZZ PCTCPUS is independent.
PIVAV	Value added in the manufacture of paints and allied products.	Million dollars	PIVAVZZ is independent. PIVAVUS = ΣPIVAVZZ
PLICB	Plant condensate consumed by the industrial sector.	Billion Btu	PLICBZZ = PLTCBZZ PLICBUS = PLTCBUS
PLICP	Plant condensate consumed by the industrial sector.	Thousand barrels	PLICPZZ = PLTCPZZ PLICPUS = PLTCPUS
PLTCB	Plant condensate total consumed.	Billion Btu	PLTCBZZ = PLTCPZZ * 5.418 PLTCBUS = ΣPLTCBZZ
PLTCP	Plant condensate total consumed.	Thousand barrels	PLTCPZZ = (OCVAVZZ / OCVAVUS) * PLTCPUS PLTCPUS is independent.
POICB	Other petroleum products consumed by the industrial sector.	Billion Btu	POICBZZ = ABICBZZ + COICBZZ + FNICBZZ + FOICBZZ + FSICBZZ + MBICBZZ + MSICBZZ + NAICBZZ + PCICBZZ + PLICBZZ + PPICBZZ + SGICBZZ + SNICBZZ + UOICBZZ + USICBZZ + WXICBZZ POICBUS = ΣPOICBZZ
POICP	Other petroleum products consumed by the industrial sector.	Thousand barrels	POICPZZ = ABICPZZ + COICPZZ + FNICPZZ + FOICPZZ + FSICPZZ + MBICPZZ + MSICPZZ + NAICPZZ + PCICPZZ + PLICPZZ + PPICPZZ + SGICPZZ + SNICPZZ + UOICPZZ + USICPZZ + WXICPZZ POICPUS = ΣPOICPZZ
POTCB	Other petroleum products total consumed.	Billion Btu	POTCBZZ = ABTCBZZ + COTCBZZ + FNTCBZZ + FOTCBZZ + FSTCBZZ + MBTCBZZ + MSTCBZZ + NATCBZZ + PCTCBZZ + PLTCBZZ + PPTCBZZ + SGTCBZZ + SNTCBZZ + UOTCBZZ + USTCBZZ + WXTCBZZ POTCBUS = ΣPOTCBZZ

POTCP	Other petroleum products total consumed.	Thousand barrels	$\begin{aligned} \text{POTCPZZ} &= \text{ABTCPZZ} + \text{COTCPZZ} + \\ &\text{FNTCPZZ} + \text{FOTCPZZ} + \text{FSTCPZZ} + \\ &\text{MBTCPZZ} + \text{MSTCPZZ} + \text{NATCPZZ} + \\ &\text{PCTCPZZ} + \text{PLTCPZZ} + \text{PPTCPZZ} + \\ &\text{SGTCPZZ} + \text{SNTCPZZ} + \text{UOTCPZZ} + \\ &\text{USTCPZZ} + \text{WXTCPZZ} \end{aligned}$ $\text{POTCPUS} = \Sigma \text{POTCPZZ}$
PPICB	Pentanes plus consumed by the industrial sector.	Billion Btu	$\begin{aligned} \text{PPICBZZ} &= \text{PPTCBZZ} \\ \text{PPICBUS} &= \text{PPTCBUS} \end{aligned}$
PPICP	Pentanes plus consumed by the industrial sector.	Thousand barrels	$\begin{aligned} \text{PPICPZZ} &= \text{PPTCPZZ} \\ \text{PPICPUS} &= \text{PPTCPUS} \end{aligned}$
PPTCB	Pentanes plus total consumed.	Billion Btu	$\begin{aligned} \text{PPTCBZZ} &= \text{PPTCPZZ} * 4.620 \\ \text{PPTCBUS} &= \Sigma \text{PPTCBZZ} \end{aligned}$
PPTCP	Pentanes plus total consumed.	Thousand barrels	$\begin{aligned} \text{PPTCPZZ} &= (\text{OCVAVZZ} / \text{OCVAVUS}) * \text{PPTCPUS} \\ \text{PPTCPUS} &\text{ is independent.} \end{aligned}$
RDICP	Road oil consumed by the industrial sector.	Thousand barrels	$\begin{aligned} \text{RDICPZZ} &= (\text{RDINPZZ} / \text{RDINPUS}) * \text{RDTCPUS} \\ \text{RDICPUS} &= \Sigma \text{RDICPZZ} \end{aligned}$
RDINP	Road oil sold to the industrial sector.	Short tons	$\begin{aligned} \text{RDINPZZ} &\text{ is independent.} \\ \text{RDINPUS} &= \Sigma \text{RDINPZZ} \end{aligned}$
RDTCP	Road oil total consumed.	Thousand barrels	$\begin{aligned} \text{RDTCPZZ} &= \text{RDICPZZ} \\ \text{RDTCPUS} &\text{ is independent.} \end{aligned}$
REACB	Renewable energy sources consumed by the transportation sector.	Billion Btu	$\begin{aligned} \text{REACBZZ} &= \text{ENACBZZ} \\ \text{REACBUS} &= \text{ENACBUS} \end{aligned}$
REACP	Renewable energy sources consumed by the transportation sector.	Thousand gallons	$\begin{aligned} \text{REACPZZ} &= \text{ENACPZZ} \\ \text{REACPUS} &= \text{ENACPUS} \end{aligned}$
REEOB	Renewable energy sources consumed by the electric utilities.	Billion Btu	$\begin{aligned} \text{REEOBZZ} &= \text{HVENBZZ} + \text{GEENBZZ} + \\ &\text{WWEOBZZ} + \text{WNEOBZZ} \\ \text{REEOBUS} &= \text{HVENBUS} + \text{GEENBUS} + \\ &\text{WWEOBUS} + \text{WNEOBUS} \end{aligned}$
REEOP	Renewable energy sources consumed by the electric utilities.	Million kilowatthours	$\begin{aligned} \text{REEOPZZ} &= \text{HVENPZZ} + \text{GEENPZZ} + \\ &\text{WWEOPZZ} + \text{WNEOPZZ} \\ \text{REEOPUS} &= \text{HVENPUS} + \text{GEENPUS} + \\ &\text{WWEOPUS} + \text{WNEOPUS} \end{aligned}$

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RECCB	Renewable energy sources consumed by the commercial sector.	Billion Btu	RECCBZZ = WDCCBZZ + GECCBZZ RECCBUS = WDCCBUS + GECCBUS
REICB	Renewable energy sources consumed by the industrial sector.	Billion Btu	REICBZZ = GEICBZZ + HVATBZZ + SOICBZZ + WWICBZZ + WYICBZZ REICBUS = GEICBUS + HVATBUS + SOICBUS + WWICBUS + WYICBUS
RERCB	Renewable energy sources consumed by the residential sector.	Billion Btu	RERCBZZ = WDRCBZZ + GERCBZZ + SOHCBZZ RERCBUS = WDRCBUS + GERCBUS + SOHCBUS
RETCB	Renewable energy sources total consumed.	Billion Btu	RETCBZZ = RERCBZZ + RECCBZZ + REICBZZ + REACBZZ + REEOBZZ RETCBUS = RERCBUS + RECCBUS + REICBUS + REACBUS + REEOBUS
RFACB	Residual fuel consumed by the transportation sector.	Billion Btu	RFACBZZ = RFACPZZ * 6.287 RFACBUS = ΣRFACBZZ
RFACP	Residual fuel consumed by the transportation sector.	Thousand barrels	RFACPZZ = (RFTRPZZ / RFNDPZZ) * RFNCPZZ RFACPUS = ΣRFACPZZ
RFBKP	Residual fuel sold for vessel bunkering use, excluding deliveries to the Armed Forces.	Thousand barrels	RFBKPZZ is independent. RFBKPUS = ΣRFBKPZZ
RFCCB	Residual fuel consumed by the commercial sector.	Billion Btu	RFCCBZZ = RFCCPZZ * 6.287 RFCCBUS = ΣRFCCBZZ
RFCCP	Residual fuel consumed by the commercial sector.	Thousand barrels	RFCCPZZ = (RFCMPZZ / RFNDPZZ) * RFNCPZZ RFCCPUS = ΣRFCCPZZ
RFCMP	Residual fuel sold to the commercial sector.	Thousand barrels	RFCMPZZ is independent. RFCMPUS = ΣRFCMPZZ
RFEUB	Residual fuel consumed by the electric utilities.	Billion Btu	RFEUBZZ = RFEUPZZ * 6.287 RFEUBUS = ΣRFEUBZZ
RFEUP	Residual fuel consumed by the electric utilities.	Thousand barrels	RFEUPZZ is independent. RFEUPUS = ΣRFEUPZZ
RFIBP	A portion of residual fuel sold for industrial use, including industrial space heating.	Thousand barrels	RFIBPZZ is independent. RFIBPUS = ΣRFIBPZZ
RFICB	Residual fuel consumed by the industrial sector.	Billion Btu	RFICBZZ = RFICPZZ * 6.287 RFICBUS = ΣRFICBZZ

RFICP	Residual fuel consumed by the industrial sector.	Thousand barrels	$RFICPZZ = (RFINPZZ / RFNDPZZ) * RFNCPZZ$ $RFICPUS = \Sigma RFICPZZ$
RFINP	Residual fuel sold to the industrial sector.	Thousand barrels	$RFINPZZ = RFIBPZZ + RFOCPZZ + RFMSPZZ$ $RFINPUS = \Sigma RFINPZZ$
RFMIP	Residual fuel sold to the Armed Forces, regardless of use.	Thousand barrels	RFMIPZZ is independent. $RFMIPUS = \Sigma RFMIPZZ$
RFMSP	Residual fuel sold for miscellaneous uses.	Thousand barrels	RFMSPZZ is independent. $RFMSPUS = \Sigma RFMSPZZ$
RFNCP	Residual fuel consumption by all sectors other than the electric utility sector.	Thousand barrels	$RFNCPZZ = (RFNDPZZ / RFNDPUS) * RFNCPUS$ $RFNCPUS = RFTCPUS - RFEUPUS$
RFNDP	Residual fuel sold to all sectors other than the electric utility sector.	Thousand barrels	$RFNDPZZ = RFCMPZZ + RFINPZZ + RFTRPZZ$ $RFNDPUS = \Sigma RFNDPZZ$
RFOCP	Residual fuel sold for use by oil companies.	Thousand barrels	RFOCPZZ is independent. $RFOCPUS = \Sigma RFOCPZZ$
RFRRP	Residual fuel sold for use by railroads.	Thousand barrels	RFRRPZZ is independent. $RFRRPUS = \Sigma RFRRPZZ$
RFTCB	Residual fuel total consumed.	Billion Btu	$RFTCBZZ = RFCCBZZ + RFICBZZ + RFACBZZ + RFEUBZZ$ $RFTCBUS = \Sigma RFTCBZZ$
RFTCP	Residual fuel total consumed.	Thousand barrels	$RFTCPZZ = RFNCPZZ + RFEUPZZ$ RFTCPUS is independent.
RFTRP	Residual fuel sold to the transportation sector.	Thousand barrels	$RFTRPZZ = RFBKPZZ + RFMIPZZ + RFRRPZZ$ $RFTRPUS = \Sigma RFTRPZZ$
SGICB	Still gas consumed by the industrial sector.	Billion Btu	$SGICBZZ = SGTCBZZ$ $SGICBUS = SGTCBUS$
SGICP	Still gas consumed by the industrial sector.	Thousand barrels	$SGICPZZ = SGTCPZZ$ $SGICPUS = SGTCPUS$
SGTCB	Still gas total consumed.	Billion Btu	$SGTCBZZ = SGTCPZZ * 6.000$ $SGTCBUS = \Sigma SGTCBZZ$
SGTCP	Still gas total consumed.	Thousand barrels	$SGTCPZZ = (COCAPZZ / COCAPUS) * SGTCPUS$ SGTCPUS is independent.

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SNICB	Special naphthas consumed by the industrial sector.	Billion Btu	SNICBZZ = SNTCBZZ SNICBUS = SNTCBUS
SNICP	Special naphthas consumed by the industrial sector.	Thousand barrels	SNICPZZ = SNTCPZZ SNICPUS = SNTCPUS
SNTCB	Special naphthas total consumed.	Billion Btu	SNTCBZZ = SNTCPZZ * 5.248 SNTCBUS = ΣSNTCBZZ
SNTCP	Special naphthas total consumed.	Thousand barrels	SNTCPZZ = (PIVAVZZ / PIVAVUS) * SNTCPUS SNTCPUS is independent.
SOEOB	Electricity produced from photovoltaic and solar thermal energy by electric utilities.	Billion Btu	SOEOBZZ = SOEOPZZ * FFEOKUS SOEOBUS = ΣSOEOBZZ
SOEOP	Electricity produced from photovoltaic and solar thermal energy by electric utilities.	Million kilowatthours	SOEOPZZ is independent. SOEOPUS = ΣSOEOPZZ
SOHCB	Solar thermal energy consumed by the residential and commercial sectors.	Billion Btu	SOHCBZZ = (SOTTPZZ / SOTTPUS) * SOHCBUS SOHCBUS is independent.
SOICB	Electricity produced from photovoltaic and solar thermal energy sources in the industrial sector.	Billion Btu	SOICBZZ = SOICPZZ * FFEOKUS SOICBUS = ΣSOICBZZ
SOICP	Electricity produced from photovoltaic and solar thermal energy sources in the industrial sector.	Million kilowatthours	SOICPZZ is independent. SOICPUS = ΣSOICPZZ
SOTCB	Photovoltaic and solar thermal energy sources total consumed.	Billion Btu	SOTCBZZ = SOHCBZZ + SOICBZZ + SOEOBZZ SOTCBUS = ΣSOTCBZZ
SOTTP	Shipments of solar thermal collectors.	Square feet	SOTTPZZ is independent. SOTTPUS = ΣSOTTPZZ
TEACB	Total energy consumed by the transportation sector.	Billion Btu	TEACBZZ = CLACBZZ + NGACBZZ + PAACBZZ + ESACBZZ + LOACBZZ TEACBUS = CLACBUS + NGACBUS + PAACBUS + ESACBUS + LOACBUS
TEAPB	The transportation sector's energy consumption per capita.	Million Btu	TEAPBZZ = TEACBZZ / TPOPPZZ TEAPBUS = TEACBUS / TPOPPUS
TECCB	Total energy consumed by the commercial sector.	Billion Btu	TECCBZZ = CLCCBZZ + NGCCBZZ + PACCBZZ + WDCCBZZ + GECCBZZ + ESCCBZZ + LOCCBZZ

			TECCBUS = CLCCBUS + NGCCBUS + PACCBUS + WDCCBUS + GECCBUS + ESCCBUS + LOCCBUS
TECPB	The commercial sector's energy consumption per capita.	Million Btu	TECPBZZ = TECCBZZ / TPOPPZZ TECPBUS = TECCBUS / TPOPPUS
TEEUB	Total energy consumed by the electric utilities plus net imports of electricity into the United States.	Billion Btu	TEEUBZZ = CLEUBZZ + NGEUBZZ + PAEUBZZ + HYENBZZ + NUEOBZZ + GEENBZZ + WWEUBZZ + WNEOBZZ + EXNIBZZ TEEUBUS = CLEUBUS + NGEUBUS + PAEUBUS + HYENBUS + NUEOBUS + GEENBUS + WWEUBUS + WNEOBUS + EXNIBUS
TEICB	Total energy consumed by the industrial sector.	Billion Btu	TEICBZZ = CLICBZZ + NGICBZZ + PAICBZZ + HYATBZZ + WWICBZZ + GOICBZZ + ESICBZZ + LOICBZZ TEICBUS = CLICBUS + NGICBUS + PAICBUS + HYATBUS + WWICBUS + GOICBUS + ESICBUS + LOICBUS + CCNIBUS
TEIPB	The industrial sector's energy consumption per capita.	Million Btu	TEIPBZZ = TEICBZZ / TPOPPZZ TEIPBUS = TEICBUS / TPOPPUS
TERCB	Total energy consumed by the residential sector.	Billion Btu	TERCBZZ = CLRCBZZ + NGRCBZZ + PARCBZZ + WDRCBZZ + GERCBZZ + SOHCBZZ + ESRCBZZ + LORCBZZ TERCBUS = CLRCBUS + NGRCBUS + PARCBUS + WDRCBUS + GERCBUS + SOHCBUS + ESRCBUS + LORCBUS
TERPB	The residential sector's energy consumption per capita.	Million Btu	TERPBZZ = TERCBZZ / TPOPPZZ TERPBUS = TERCBUS / TPOPPUS
TESSB	Total energy consumed (sum of the four end-use sectors). CSEDS cross-check not used in <i>SEDR</i> tables.	Billion Btu	TESSBZZ = TERCBZZ + TECCBZZ + TEICBZZ + TEACBZZ TESSBUS = TERCBUS + TECCBUS + TEICBUS + TEACBUS
TETCB	Total energy consumed (sum of all energy sources) used in <i>SEDR</i> tables.	Billion Btu	TETCBZZ = CLTCBZZ + NGTCBZZ + PATCBZZ + NUETBZZ + HYTCBZZ + WWTCBZZ + GOTCBZZ + EXNIBZZ + ELISBZZ TETCBUS = CLTCBUS + CCNIBUS + NGTCBUS + PATCBUS + NUETBUS + HYTCBUS + WWTCBUS + GOTCBUS + EXNIBUS

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TETPB	Total energy consumption per capita.	Million Btu	$TETPBZZ = TETCBZZ / TPOPPZZ$ $TETPBUS = TETCBUS / TPOPPUS$
TNACB	Total net energy consumed by the transportation sector excluding the sector's share of electrical system energy losses.	Billion Btu	$TNACBZZ = TEACBZZ - LOACBZZ$ $TNACBUS = TEACBUS - LOACBUS$
TNCCB	Total net energy consumed by the commercial sector excluding the sector's share of electrical system energy losses.	Billion Btu	$TNCCBZZ = TECCBZZ - LOCCBZZ$ $TNCCBUS = TECCBUS - LOCCBUS$
TNICB	Total net energy consumed by the industrial sector excluding the sector's share of electrical system energy losses.	Billion Btu	$TNICBZZ = TEICBZZ - LOICBZZ$ $TNICBUS = TEICBUS - LOICBUS$
TNRCB	Total net energy consumed by the residential sector excluding the sector's share of electrical system energy losses.	Billion Btu	$TNRCBZZ = TERCBZZ - LORCBZZ$ $TNRCBUS = TERCBUS - LORCBUS$
TPOPP	The resident population including the Armed Forces residing in each State.	Thousand	TPOPPZZ is independent. TPOPPUS is independent.
UOICB	Unfinished oils consumed by the industrial sector.	Billion Btu	$UOICBZZ = UOTCBZZ$ $UOICBUS = UOTCBUS$
UOICP	Unfinished oils consumed by the industrial sector.	Thousand barrels	$UOICPZZ = UOTCPZZ$ $UOICPUS = UOTCPUS$
UOTCB	Unfinished oils total consumed.	Billion Btu	$UOTCBZZ = UOTCPZZ * 5.825$ $UOTCBUS = \Sigma UOTCBZZ$
UOTCP	Unfinished oils total consumed.	Thousand barrels	$UOTCPZZ = (COCAPZZ / COCAPUS) * UOTCPUS$ UOTCPUS is independent.
USICB	Unfractionated stream consumed by the industrial sector.	Billion Btu	$USICBZZ = USTCBZZ$ $USICBUS = USTCBUS$
USICP	Unfractionated stream consumed by the industrial sector.	Thousand barrels	$USICPZZ = USTCPZZ$ $USICPUS = USTCPUS$
USTCB	Unfractionated stream total consumed.	Billion Btu	$USTCBZZ = USTCPZZ * 5.418$ $USTCBUS = \Sigma USTCBZZ$
USTCP	Unfractionated stream total consumed.	Thousand barrels	$USTCPZZ = (OCVAVZZ / OCVAVUS) * USTCPUS$ USTCPUS is independent.

WDCCB	Wood energy consumed by the commercial sector.	Billion Btu	$\text{WDCCBZZ} = (\text{WDRCPZZ} / \text{WDRCPUS}) * \text{WDCCBUS}$ WDCCBUS is independent.
WDCCP	Wood energy consumed by the commercial sector.	Thousand cords	$\text{WDCCPZZ} = \text{WDCCBZZ} / 20$ $\text{WDCCPUS} = \Sigma \text{WDCCPZZ}$
WDEOB	Electricity produced from wood energy sources at electric utilities.	Billion Btu	$\text{WDEOBZZ} = \text{WDEOPZZ} * \text{FFEOKUS}$ $\text{WDEOBUS} = \Sigma \text{WDEOBZZ}$
WDEOP	Electricity produced from wood energy sources at electric utilities.	Million kilowatthours	WDEOPZZ is independent. $\text{WDEOPUS} = \Sigma \text{WDEOPZZ}$
WDRCB	Wood energy consumed by the residential sector.	Billion Btu	$\text{WDRCBZZ} = \text{WDRCPZZ} * 20$ $\text{WDRCBUS} = \Sigma \text{WDRCBZZ}$
WDRCP	Wood energy consumed by the residential sector.	Thousand cords	WDRCPZZ is independent. $\text{WDRCPUS} = \Sigma \text{WDRCPZZ}$
WNEOB	Electricity produced from wind, photo-voltaic, and solar thermal energy sources at electric utilities.	Billion Btu	$\text{WNEOBZZ} = \text{SOEOBZZ} + \text{WYEOBZZ}$ $\text{WNEOBUS} = \Sigma \text{WNEOBZZ}$
WNEOP	Electricity produced from wind, photo-voltaic, and solar thermal energy sources at electric utilities.	Million kilowatthours	$\text{WNEOPZZ} = \text{SOEOPZZ} + \text{WYEOBZZ}$ $\text{WNEOPUS} = \Sigma \text{WNEOPZZ}$
WSEOB	Electricity produced from waste energy sources at electric utilities.	Billion Btu	$\text{WSEOBZZ} = \text{WSEOPZZ} * \text{FFEOKUS}$ $\text{WSEOBUS} = \Sigma \text{WSEOBZZ}$
WSEOP	Electricity produced from waste energy sources at electric utilities.	Million kilowatthours	WSEOPZZ is independent. $\text{WSEOPUS} = \Sigma \text{WSEOPZZ}$
WWATB	Electricity produced from wood and waste at nonutility power producers.	Billion Btu	WWATBZZ is independent. $\text{WWATBUS} = \Sigma \text{WWATBZZ}$
WWATP	Electricity produced from wood and waste at nonutility power producers.	Million kilowatthours	WWATPZZ is independent. $\text{WWATPUS} = \Sigma \text{WWATPZZ}$
WWEOB	Electricity produced from wood and waste at electric utilities.	Billion Btu	$\text{WWEOBZZ} = \text{WDEOBZZ} + \text{WSEOBZZ}$ $\text{WWEOBUS} = \Sigma \text{WWEOBZZ}$
WWEOP	Electricity produced from wood and waste at electric utilities.	Million kilowatthours	$\text{WWEOPZZ} = \text{WDEOPZZ} + \text{WSEOPZZ}$ $\text{WWEOPUS} = \Sigma \text{WWEOPZZ}$

WWICB	Wood and waste consumed by the industrial sector.	Billion Btu	WWICBZZ = WWATBZZ + WWINBZZ WWICBUS = Σ WWICBZZ
WWINB	Wood and waste consumed by the manufacturing portion of the industrial sector.	Billion Btu	WWINBZZ is independent. WWINBUS = Σ WWINBZZ
WWTCB	Wood and waste total consumed.	Billion Btu	WWTCBZZ = WDRCBZZ + WDCCBZZ + WWICBZZ + WWOEBZZ WWTCBUS = Σ WWTCBZZ
WXICB	Waxes consumed by the industrial sector.	Billion Btu	WXICBZZ = WXTCBZZ WXICBUS = WXTCBUS
WXICP	Waxes consumed by the industrial sector.	Thousand barrels	WXICPZZ = WXTCPZZ WXICPUS = WXTCPUS
WXTCB	Waxes total consumed.	Billion Btu	WXTCBZZ = WXTCPZZ * 5.537 WXTCBUS = Σ WXTCBZZ
WXTCP	Waxes total consumed.	Thousand barrels	WXTCPZZ = (CGVAVZZ / CGVAVUS) * WXTCPUS WXTCPUS is independent.
WYEOB	Electricity produced from wind energy at electric utilities.	Billion Btu	WYEOBZZ = WYEOPZZ * FFEOKUS WYEOBUS = Σ WYEOBZZ
WYEOP	Electricity produced from wind energy at electric utilities.	Million kilowatthours	WYEOPZZ is independent. WYEOPUS = Σ WYEOPZZ
WYICB	Electricity produced from wind energy by the industrial sector.	Billion Btu	WYICBZZ = WYICPZZ * FFEOKUS WYICBUS = Σ WYICBZZ
WYICP	Electricity produced from wind energy by the industrial sector.	Million kilowatthours	WYICPZZ is independent. WYICPUS = Σ WYICPZZ
WYTCB	Electricity produced from wind energy total produced.	Billion Btu	WYTCBZZ = WYICBZZ + WYEOBZZ WYTCBUS = Σ WYTCBZZ