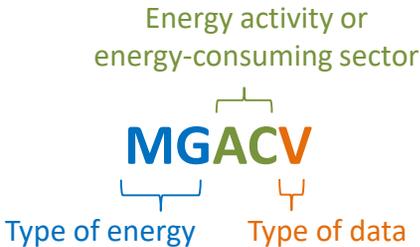


Appendix A. Mnemonic Series Names (MSN)

This appendix contains alphabetical listings of the State Energy Data System (SEDS) energy price and expenditure variables, called MSNs. Table A1 presents the price and expenditure variables and Table A2 presents the consumption adjustment variables as described in Section 7, “Consumption Adjustments for Calculating Expenditures.”

For each variable, SEDS provides: a brief description; unit of measure; and the formulas used to create the variable. Variables that are entered directly from other sources, but not calculated by SEDS, are independent variables. Formulas for the state calculations have “ZZ” following the variable name, where “ZZ” represents the two-letter state code. The formulas for the United States have “US” following the variable name. If the formula for the states and the United States are the same, only one formula is shown.

The SEDS MSN variables have five-character names that generally consist of the following components:



See [Section 1](#) of the SEDS Technical Notes for explanation of the five-character MSN code descriptions.

In general, state-level price estimates are independent variables in dollars per million Btu. Estimates of state-level expenditures are equal to the product of the appropriate SEDS consumption estimates by the corresponding prices, in million dollars. The SEDS price and expenditure estimates are in current U.S. dollars and are not adjusted for inflation. For the expenditure calculations, the SEDS consumption data are adjusted for process fuel, intermediate products, and fuels with no direct cost (see discussion in Section 7). Expenditures for the United States are the sum

of the 50 states and the District of Columbia. Prices for the United States are the sum of the states’ expenditures divided by the sum of the states’ consumption or adjusted consumption, converted to dollars per million Btu.

If the consumption variables in a formula are taken directly from the SEDS consumption module (i.e., not adjusted), they are listed in Appendix A of the Consumption Technical Notes (http://www.eia.gov/state/seds/sep_use/notes/use_a.pdf) and are not reproduced in this appendix. Generally, if the third and fourth letters of the consumption variables are the same as the corresponding price and expenditure variables, they are from the consumption module. Examples are: TC (total consumption in all energy-consuming sectors), TX (total consumption in all end-use sectors), RC (residential consumption), CC (commercial consumption), IC (industrial consumption), AC (transportation consumption), and EI (electric power sector consumption).

Table A1. Price and Expenditure Variables

MSN	Description	Unit	Formula
ARICD	Asphalt and road oil price in the industrial sector.	Dollars per million Btu	ARICDZZ is independent. ARICDUS = ARICVUS / ARICBUS * 1000
ARICV	Asphalt and road oil expenditures in the industrial sector.	Million dollars	ARICVZZ = ARICBZZ * ARICDZZ / 1000 ARICVUS = ΣARICVZZ
ARTCD	Asphalt and road oil average price, all sectors.	Dollars per million Btu	ARTCD = ARICD
ARTCV	Asphalt and road oil total expenditures.	Million dollars	ARTCV = ARICV
ARTXD	Asphalt and road oil average price, all end-use sectors.	Dollars per million Btu	ARTXD = ARTXV / ARTXB * 1000
ARTXV	Asphalt and road oil total end-use expenditures.	Million dollars	ARTXV = ARICV
AVACD	Aviation gasoline price in the transportation sector.	Dollars per million Btu	AVACDZZ is independent. AVACDUS = AVACVUS / AVACBUS * 1000
AVACV	Aviation gasoline expenditures in the transportation sector.	Million dollars	AVACVZZ = AVACBZZ * AVACDZZ / 1000 AVACVUS = ΣAVACVZZ
AVTCD	Aviation gasoline average price, all sectors.	Dollars per million Btu	AVTCD = AVACD
AVTCV	Aviation gasoline total expenditures.	Million dollars	AVTCV = AVACV
AVTXD	Aviation gasoline average price, all end-use sectors.	Dollars per million Btu	AVTXD = AVTXV / AVTXB * 1000
AVTXV	Aviation gasoline total end-use expenditures.	Million dollars	AVTXV = AVACV
BTGBP	Battery storage units net summer capacity in all sectors.	Thousand kilowatts	BTGBPZZ is independent.
CCEXDUS	Coal coke exports average price, United States.	Dollars per million Btu	CCEXDUS is independent.
CCEXVUS	Coal coke exports expenditures, United States.	Million dollars	CCEXVUS = CCEXBUS * CCEXDUS / 1000
CCIMDUS	Coal coke imports average price, United States.	Dollars per million Btu	CCIMDUS is independent.
CCIMVUS	Coal coke imports expenditures, United States.	Million dollars	CCIMVUS = CCIMBUS * CCIMDUS / 1000
CCNIVUS	Coal coke net imports expenditures, United States.	Million dollars	CCNIVUS = CCIMVUS - CCEXVUS
CLACD	Coal price in the transportation sector.	Dollars per million Btu	CLACDZZ is independent. CLACDUS = CLACVUS / CLACBUS * 1000

Table A1. Price and Expenditure Variables (cont.)

MSN	Description	Unit	Formula
CLACV	Coal expenditures in the transportation sector.	Million dollars	$CLACVZZ = CLACBZZ * CLACDZZ / 1000$ $CLACVUS = \Sigma CLACVZZ$
CLCCD	Coal price in the commercial sector.	Dollars per million Btu	CLCCDZZ is independent. $CLCCDUS = CLCCVUS / CLCCBUS * 1000$
CLCCV	Coal expenditures in the commercial sector.	Million dollars	$CLCCVZZ = CLCCBZZ * CLCCDZZ / 1000$ $CLCCVUS = \Sigma CLCCVZZ$
CLEID	Coal price in the electric power sector.	Dollars per million Btu	CLEIDZZ is independent. $CLEIDUS = CLEIVUS / CLEIBUS * 1000$
CLEIV	Coal expenditures in the electric power sector.	Million dollars	$CLEIVZZ = CLEIBZZ * CLEIDZZ / 1000$ $CLEIVUS = \Sigma CLEIVZZ$
CLGBP	Coal generating units net summer capacity in all sectors.	Thousand kilowatts	CLGBPZZ is independent.
CLICD	Coal price in the industrial sector.	Dollars per million Btu	$CLICD = CLICV / CLISB * 1000$
CLICV	Coal expenditures in the industrial sector.	Million dollars	$CLICVZZ = CLKCVZZ + CLOCVZZ$ $CLICVUS = \Sigma CLICVZZ$
CLKCD	Coal price at coke plants.	Dollars per million Btu	CLKCDZZ is independent. $CLKCDUS = CLKCVUS / CLKCBUS * 1000$
CLKCV	Coal expenditures at coke plants.	Million dollars	$CLKCVZZ = CLKCBZZ * CLKCDZZ / 1000$ $CLKCVUS = \Sigma CLKCVZZ$
CLOCD	Coal price in the industrial sector other than coke plants.	Dollars per million Btu	CLOCDZZ is independent. $CLOCDUS = CLOCVUS / CLOSBUS * 1000$
CLOCV	Coal expenditures in the industrial sector other than coke plants.	Million dollars	$CLOCVZZ = CLOSBZZ * CLOCDZZ / 1000$ $CLOCVUS = \Sigma CLOCVZZ$
CLRCD	Coal price in the residential sector.	Dollars per million Btu	CLRCDZZ is independent. $CLRCDUS = CLRCVUS / CLRCBUS * 1000$
CLRCV	Coal expenditures in the residential sector.	Million dollars	$CLRCVZZ = CLRCBZZ * CLRCDZZ / 1000$ $CLRCVUS = \Sigma CLRCVZZ$
CLTCD	Coal average price, all sectors.	Dollars per million Btu	$CLTCD = CLTCV / CLSCB * 1000$
CLTCV	Coal total expenditures.	Million dollars	$CLTCV = CLKCV + CLXCV$
CLTXD	Coal average price, all end-use sectors.	Dollars per million Btu	$CLTXD = (CLTXV / (CLSCB - CLEIB)) * 1000$

Table A1. Price and Expenditure Variables (cont.)

MSN	Description	Unit	Formula
CLTXV	Coal total end-use expenditures.	Million dollars	CLTXVZZ = CLACVZZ + CLCCVZZ + CLICVZZ + CLRCVZZ CLTXVUS = Σ CLTXVZZ
CLXCD	Coal average price for all sectors excluding coke plants and refineries.	Dollars per million Btu	CLXCD = CLXCV / CLXCB * 1000
CLXCV	Coal expenditures for all sectors excluding coke plants and refineries.	Million dollars	CLXCVZZ = CLACVZZ + CLCCVZZ + CLEIVZZ + CLOCVZZ + CLRCVZZ CLXCVUS = Σ CLXCVZZ
DFACD	Distillate fuel oil price in the transportation sector.	Dollars per million Btu	DFACDZZ is independent. DFACDUS = DFACVUS / DFASBUS * 1000
DFACV	Distillate fuel oil expenditures in the transportation sector.	Million dollars	DFACVZZ = DFASBZZ * DFACDZZ / 1000 DFACVUS = Σ DFACVZZ
DFCCD	Distillate fuel oil price in the commercial sector.	Dollars per million Btu	DFCCDZZ is independent. DFCCDUS = DFCCVUS / DFCCBUS * 1000
DFCCV	Distillate fuel oil expenditures in the commercial sector.	Million dollars	DFCCVZZ = DFCCBZZ * DFCCDZZ / 1000 DFCCVUS = Σ DFCCVZZ
DFEID	Distillate fuel oil price in the electric power sector.	Dollars per million Btu	DFEIDZZ is independent. DFEIDUS = DFEIVUS / DFEIBUS * 1000
DFEIV	Distillate fuel oil expenditures in the electric power sector.	Million dollars	DFEIVZZ = DFEIBZZ * DFEIDZZ / 1000 DFEIVUS = Σ DFEIVZZ
DFICD	Distillate fuel oil price in the industrial sector.	Dollars per million Btu	DFICDZZ is independent. DFICDUS = DFICVUS / DFISBUS * 1000
DFICV	Distillate fuel oil expenditures in the industrial sector.	Million dollars	DFICVZZ = DFISBZZ * DFICDZZ / 1000 DFICVUS = Σ DFICVZZ
DFRCD	Distillate fuel oil price in the residential sector.	Dollars per million Btu	DFRCDZZ is independent. DFRCDUS = DFRCVZZ / DFRCBZZ * 1000
DFRCV	Distillate fuel oil expenditures in the residential sector.	Million dollars	DFRCVZZ = DFRCBZZ * DFRCDZZ / 1000 DFRCVUS = Σ DFRCVZZ
DFTCD	Distillate fuel oil average price, all sectors.	Dollars per million Btu	DFTCD = DFTCV / DFSCB * 1000
DFTCV	Distillate fuel oil total expenditures.	Million dollars	DFTCVZZ = DFACVZZ + DFCCVZZ + DFEIVZZ + DFICVZZ + DFRCVZZ DFTCVUS = Σ DFTCVZZ

Table A1. Price and Expenditure Variables (cont.)

MSN	Description	Unit	Formula
DFTXD	Distillate fuel oil average price, all end-use sectors.	Dollars per million Btu	$DFTXD = (DFTXV / (DFSCB - DFEIB)) * 1000$
DFTXV	Distillate fuel oil total end-use expenditures.	Million dollars	$DFTXVZZ = DFACVZZ + DFCCVZZ + DFICVZZ + DFRCVZZ$ $DFTXVUS = \Sigma DFTXVZZ$
DKEID	Distillate fuel oil (including kerosene-type jet fuel before 2001) average price in the electric power sector.	Dollars per million Btu	$DKEID = DKEIV / DKEIB * 1000$
DKEIV	Distillate fuel oil (including kerosene-type jet fuel before 2001) expenditures in the electric power sector.	Million dollars	$DKEIVZZ = DFEIVZZ + JFEUVZZ$ $DKEIVUS = \Sigma DKEIVZZ$
ELEXD	Electricity exports average price.	Dollars per million Btu	ELEXD is independent.
ELEXV	Electricity exports expenditures.	Million dollars	$ELEXVZZ = ELEXBZZ * ELEXDZZ / 1000$ $ELEXVUS = \Sigma ELEXVZZ$
ELGBP	Total (all fuels) electric generating units net summer capacity in all sectors.	Thousand kilowatts	ELGBPZZ is independent.
ELIMD	Electricity imports average price.	Dollars per million Btu	ELIMD is independent.
ELIMV	Electricity imports expenditures.	Million dollars	$ELIMVZZ = ELIMBZZ * ELIMDZZ / 1000$ $ELIMVUS = \Sigma ELIMVZZ$
EMACV	Fuel ethanol, excluding denaturant, expenditures in the transportation sector (through 1992).	Million dollars	$EMACVZZ = EMACBZZ * MGACDZZ / 1000$ $EMACVUS = \Sigma EMACVZZ$
EMCCV	Fuel ethanol, excluding denaturant, expenditures in the commercial sector (through 1992).	Million dollars	$EMCCVZZ = EMCCBZZ * MGCCDZZ / 1000$ $EMCCVUS = \Sigma EMCCVZZ$
EMICV	Fuel ethanol, excluding denaturant, expenditures in the industrial sector (through 1992).	Million dollars	$EMICVZZ = EMICBZZ * MGACDZZ / 1000$ $EMICVUS = \Sigma EMICVZZ$
EMTCV	Fuel ethanol, excluding denaturant, total expenditures (through 1992).	Million dollars	$EMTCVZZ = EMACVZZ + EMCCVZZ + EMICVZZ$ $EMTCVUS = \Sigma EMTCVZZ$
ESACD	Electricity price in the transportation sector.	Dollars per million Btu	ESACDZZ is independent. $ESACDUS = ESACVUS / ESACBUS * 1000$

Table A1. Price and Expenditure Variables (cont.)

MSN	Description	Unit	Formula
ESACV	Electricity expenditures in the transportation sector.	Million dollars	ESACVZZ = ESACBZZ * ESACDZZ / 1000 ESACVUS = ΣESACVZZ
ESCCD	Electricity price in the commercial sector.	Dollars per million Btu	ESCCDZZ is independent. ESCCDUS = ESCCVUS / ESCCBUS * 1000
ESCCV	Electricity expenditures in the commercial sector.	Million dollars	ESCCVZZ = ESCCBZZ * ESCCDZZ / 1000 ESCCVUS = ΣESCCVZZ
ESICD	Electricity price in the industrial sector.	Dollars per million Btu	ESICDZZ is independent. ESICDUS = ESICVUS / ESIBBUS * 1000
ESICV	Electricity expenditures in the industrial sector.	Million dollars	ESICVZZ = ESISBZZ * ESICDZZ / 1000 ESICVUS = ΣESICVZZ
ESRCD	Electricity price in the residential sector.	Dollars per million Btu	ESRCDZZ is independent. ESRCDUS = ESRCVUS / ESRCBUS * 1000
ESRCV	Electricity expenditures in the residential sector.	Million dollars	ESRCVZZ = ESRCBZZ * ESRCDZZ / 1000 ESRCVUS = ΣESRCVZZ
ESTCD	Electricity average price, all sectors.	Dollars per million Btu	ESTCD = ESTCV / ESSCB * 1000
ESTCV	Electricity total expenditures.	Million dollars	ESTCVZZ = ESACVZZ + ESCCVZZ + ESICVZZ + ESRCVZZ ESTCVUS = ΣESTCVZZ
ESTXD	Electricity average price, all end-use sectors.	Dollars per million Btu	ESTXD = ESTXV / ESSCB * 1000
ESTXV	Electricity total end-use expenditures.	Million dollars	ESTXVZZ = ESACVZZ + ESCCVZZ + ESICVZZ + ESRCVZZ ESTXVUS = ΣESTXVZZ
FFGBP	Fossil fuel total generating units net summer capacity in all sectors.	Thousand kilowatts	FFGBPZZ is independent.
FNICD	Petrochemical feedstocks, naphtha less than 401° F, price in the industrial sector.	Dollars per million Btu	FNICDZZ is independent. FNICDUS = FNICVUS / FNICBUS * 1000
FNICV	Petrochemical feedstocks, naphtha less than 401° F, expenditures in the industrial sector.	Million dollars	FNICVZZ = FNICBZZ * FNICDZZ / 1000 FNICVUS = ΣFNICVZZ
FOICD	Petrochemical feedstocks, other oils equal to or greater than 401° F, price in the industrial sector.	Dollars per million Btu	FOICDZZ is independent. FOICDUS = FOICVUS / FOICBUS * 1000

Table A1. Price and Expenditure Variables (cont.)

MSN	Description	Unit	Formula
FOICV	Petrochemical feedstocks, other oils equal to or greater than 401° F, expenditures in industrial sector.	Million dollars	FOICVZZ = FOICBZZ * FOICDZZ / 1000 FOICVUS = ΣFOICVZZ
FSICD	Petrochemical feedstocks, still gas, price in the industrial sector (through 1985).	Dollars per million Btu	FSICDZZ is independent. FSICDUS = FSICVUS / FSICBUS * 1000
FSICV	Petrochemical feedstocks, still gas, expenditures in the industrial sector (through 1985).	Million dollars	FSICVZZ = FSICBZZ * FSICDZZ / 1000 FSICVUS = ΣFSICVZZ
GDPRV	Current-dollar gross domestic product (GDP).	Million dollars	GDPRVZZ is independent. GDPRVUS is independent.
GDPRX	Real gross domestic product (GDP).	Million chained (2012) dollars	GDPRXZZ is independent. GDPRXUS is independent.
GEGBP	Geothermal generating units net summer capacity in all sectors.	Thousand kilowatts	GEGBPZZ is independent.
HLACD	Hydrocarbon gas liquids price in the transportation sector.	Dollars per million Btu	Before 2010: HLACDZZ is independent. HLACDUS = HLACVUS / HLACBUS * 1000 2010 forward: HLACDZZ = PQACDZZ HLACDUS = HLACVUS / HLACBUS * 1000
HLACV	Hydrocarbon gas liquids expenditures in the transportation sector.	Million dollars	HLACVZZ = HLACBZZ * HLACDZZ / 1000 HLACVUS = ΣHLACVZZ
HLCCD	Hydrocarbon gas liquids price in the commercial sector.	Dollars per million Btu	Before 2010: HLCCDZZ is independent. HLCCDUS = HLCCVUS / HLCCBUS * 1000 2010 forward: HLCCDZZ = PQCCDZZ HLCCDUS = HLCCVUS / HLCCBUS * 1000
HLCCV	Hydrocarbon gas liquids expenditures in the commercial sector.	Million dollars	HLCCVZZ = HLCCBZZ * HLCCDZZ / 1000 HLCCVUS = ΣHLCCVZZ
HLICD	Hydrocarbon gas liquids price in the industrial sector.	Dollars per million Btu	Before 2010: HLICDZZ is independent. HLICDUS = HLICVUS / HLISBUS * 1000 2010 forward: HLICD = HLICV / HLISB * 1000

Table A1. Price and Expenditure Variables (cont.)

MSN	Description	Unit	Formula
HLICV	Hydrocarbon gas liquids expenditures in the industrial sector.	Million dollars	Before 2010: $HLICVZZ = HLISBZZ * HLICDZZ$ $HLICVUS = \sum HLICVZZ$ 2010 forward: $HLICVZZ = OHICVZZ + PQICVZZ$ $HLICVUS = \sum HLICVZZ$
HLRCD	Hydrocarbon gas liquids price in the residential sector.	Dollars per million Btu	Before 2010: HLRCDZZ is independent. $HLRCDUS = HLRCVUS / HLRCBUS * 1000$ 2010 forward: $HLRCDZZ = PQRCDZZ$ $HLRCDUS = HLRCVUS / HLRCBUS * 1000$
HLRCV	Hydrocarbon gas liquids expenditures in the residential sector.	Million dollars	$HLRCVZZ = HLRCBZZ * HLRCDZZ / 1000$ $HLRCVUS = \sum HLRCVZZ$
HLTCD	Hydrocarbon gas liquids average price, all sectors.	Dollars per million Btu	$HLTCD = HLTCV / HLSCB * 1000$
HLTCV	Hydrocarbon gas liquids total expenditures.	Million dollars	$HLTCVZZ = HLACVZZ + HLCCVZZ + HLICVZZ + HLRCVZZ$ $HLTCVUS = \sum HLTCVZZ$
HLTXD	Hydrocarbon gas liquids average price, all end-use sectors.	Dollars per million Btu	$HLTXD = HLTXV / HLSCB * 1000$
HLTXV	Hydrocarbon gas liquids total end-use expenditures.	Million dollars	$HLTXVZZ = HLACVZZ + HLCCVZZ + HLICVZZ + HLRCVZZ$ $HLTXVUS = \sum HLTXVZZ$
HPGBP	Hydroelectric pumped storage generating units net summer capacity in all sectors.	Thousand kilowatts	HPGBPZZ is independent.
HVGBP	Conventional hydroelectric power generating units net summer capacity in all sectors.	Thousand kilowatts	HVGBPZZ is independent.
JFACD	Jet fuel price in the transportation sector.	Dollars per million Btu	JFACDZZ is independent. $JFACDUS = JFACVUS / JFACBUS * 1000$
JFACV	Jet fuel expenditures in the transportation sector.	Million dollars	$JFACVZZ = JFACBZZ * JFACDZZ / 1000$ $JFACVUS = \sum JFACVZZ$
JFEUD	Jet fuel price in the electric power sector (1972–1982 only).	Dollars per million Btu	JFEUDZZ is independent.

Table A1. Price and Expenditure Variables (cont.)

MSN	Description	Unit	Formula
JFEUV	Jet fuel expenditures in the electric power sector (1972–1982 only).	Million dollars	$JFEUVZZ = JFEUBZZ * JFEUDZZ / 1000$
JFTCD	Jet fuel average price, all sectors.	Dollars per million Btu	$JFTCD = JFTCV / JFTCB * 1000$
JFTCV	Jet fuel total expenditures.	Million dollars	$JFTCVZZ = JFACVZZ + JFEUVZZ$ $JFTCVUS = \Sigma JFTCVZZ$
JFTXD	Jet fuel average price, all end-use sectors.	Dollars per million Btu	$JFTXD = JFTXV / JFTXB * 1000$
JFTXV	Jet fuel total end-use expenditures.	Million dollars	$JFTXVZZ = JFACVZZ$ $JFTXVUS = \Sigma JFTXVZZ$
KSCCD	Kerosene price in the commercial sector.	Dollars per million Btu	KSCCDZZ is independent. $KSCCDUS = KSCCVUS / KSCCBUS * 1000$
KSCCV	Kerosene expenditures in the commercial sector.	Million dollars	$KSCCVZZ = KSCCBZZ * KSCCDZZ / 1000$ $KSCCVUS = \Sigma KSCCVZZ$
KSICD	Kerosene price in the industrial sector.	Dollars per million Btu	KSICDZZ = is independent. $KSICDUS = KSICVUS / KSICBUS * 1000$
KSICV	Kerosene expenditures in the industrial sector.	Million dollars	$KSICVZZ = KSICBZZ * KSICDZZ / 1000$ $KSICVUS = \Sigma KSICVZZ$
KSRCD	Kerosene price in the residential sector.	Dollars per million Btu	KSRCDZZ = is independent. $KSRCDUS = KSRCVUS / KSRCBUS * 1000$
KSRCV	Kerosene expenditures in the residential sector.	Million dollars	$KSRCVZZ = KSRCBZZ * KSRCDZZ / 1000$ $KSRCVUS = \Sigma KSRCVZZ$
KSTCD	Kerosene average price, all sectors.	Dollars per million Btu	$KSTCD = KSTCV / KSTCB * 1000$
KSTCV	Kerosene total expenditures.	Million dollars	$KSTCVZZ = KSCCVZZ + KSICVZZ + KSRCVZZ$ $KSTCVUS = \Sigma KSTCVZZ$
KSTXD	Kerosene average price, all end-use sectors.	Dollars per million Btu	$KSTXD = KSTXV / KSTXB * 1000$
KSTXV	Kerosene total end-use expenditures.	Million dollars	$KSTXVZZ = KSCCVZZ + KSICVZZ + KSRCVZZ$ $KSTXVUS = \Sigma KSTXVZZ$
LUACD	Lubricants price in the transportation sector.	Dollars per million Btu	LUACDZZ is independent. $LUACDUS = LUACVUS / LUACBUS * 1000$
LUACV	Lubricants expenditures in the transportation sector.	Million dollars	$LUACVZZ = LUACBZZ * LUACDZZ / 1000$ $LUACVUS = \Sigma LUACVZZ$
LUICD	Lubricants price in the industrial sector.	Dollars per million Btu	LUICDZZ is independent. $LUICDUS = LUICVUS / LUICBUS * 1000$

Table A1. Price and Expenditure Variables (cont.)

MSN	Description	Unit	Formula
LUICV	Lubricants expenditures in the industrial sector.	Million dollars	$LUICVZZ = LUICBZZ * LUICDZZ / 1000$ $LUICVUS = \sum LUICVZZ$
LUTCD	Lubricants average price, all sectors.	Dollars per million Btu	$LUTCD = LUTCV / LUTCB * 1000$
LUTCV	Lubricants total expenditures.	Million dollars	$LUTCVZZ = LUACVZZ + LUICVZZ$ $LUTCVUS = \sum LUTCVZZ$
LUTXD	Lubricants average price, all end-use sectors.	Dollars per million Btu	$LUTXD = LUTXV / LUTXB * 1000$
LUTXV	Lubricants total end-use expenditures.	Million dollars	$LUTXVZZ = LUACVZZ + LUICVZZ$ $LUTXVUS = \sum LUTXVZZ$
MGACD	Motor gasoline price in the transportation sector.	Dollars per million Btu	MGACDZZ is independent. $MGACDUS = MGACVUS / MGACBUS * 1000$
MGACV	Motor gasoline expenditures in the transportation sector.	Million dollars	$MGACVZZ = MGACBZZ * MGACDZZ / 1000$ $MGACVUS = \sum MGACVZZ$
MGCCD	Motor gasoline price in the commercial sector.	Dollars per million Btu	MGCCDZZ is independent. $MGCCDUS = MGCCVUS / MGCCBUS * 1000$
MGCCV	Motor gasoline expenditures in the commercial sector.	Million dollars	$MGCCVZZ = MGCCBZZ * MGCCDZZ / 1000$ $MGCCVUS = \sum MGCCVZZ$
MGICD	Motor gasoline price in the industrial sector.	Dollars per million Btu	MGICDZZ is independent. $MGICDUS = MGICVUS / MGICBUS * 1000$
MGICV	Motor gasoline expenditures in the industrial sector.	Million dollars	$MGICVZZ = MGICBZZ * MGICDZZ / 1000$ $MGICVUS = \sum MGICVZZ$
MGTCD	Motor gasoline average price, all sectors.	Dollars per million Btu	$MGTCD = MGTCV / MGTCB * 1000$
MGTCV	Motor gasoline total expenditures.	Million dollars	$MGTCVZZ = MGACVZZ + MGCCVZZ + MGICVZZ$ $MGTCVUS = \sum MGTCVZZ$
MGTPV	Motor gasoline expenditures per capita.	Million dollars	$MGTPV = MGTCV / TPOPP * 1000$
MGTXD	Motor gasoline average price, all end-use sectors.	Dollars per million Btu	$MGTXD = MGTXV / MGTXB * 1000$
MGTXV	Motor gasoline total end-use expenditures.	Million dollars	$MGTXVZZ = MGACVZZ + MGCCVZZ + MGICVZZ$ $MGTXVUS = \sum MGTXVZZ$
MSICD	Miscellaneous petroleum products price in the industrial sector.	Dollars per million Btu	MSICDZZ is independent. $MSICDUS = MSICVUS / MSICBUS * 1000$
MSICV	Miscellaneous petroleum products expenditures in the industrial sector.	Million dollars	$MSICVZZ = MSICBZZ * MSICDZZ / 1000$ $MSICVUS = \sum MSICVZZ$

Table A1. Price and Expenditure Variables (cont.)

MSN	Description	Unit	Formula
NGACD	Natural gas price in the transportation sector.	Dollars per million Btu	NGACDZZ is independent. NGACDUS = NGACVUS / NGASBUS * 1000
NGACV	Natural gas expenditures in the transportation sector.	Million dollars	NGACVZZ = NGASBZZ * NGACDZZ / 1000 NGACVUS = ΣNGACVZZ
NGCCD	Natural gas price in the commercial sector (including supplemental gaseous fuels).	Dollars per million Btu	NGCCDZZ is independent. NGCCDUS = NGCCVUS / NGCCBUS * 1000
NGCCV	Natural gas expenditures in the commercial sector (including supplemental gaseous fuels).	Million dollars	NGCCVZZ = NGCCBZZ * NGCCDZZ / 1000 NGCCVUS = ΣNGCCVZZ
NGEID	Natural gas price in the electric power sector (including supplemental gaseous fuels).	Dollars per million Btu	NGEIDZZ is independent. NGEIDUS = NGEIVUS / NGEIBUS * 1000
NGEIV	Natural gas expenditures in the electric power sector (including supplemental gaseous fuels).	Million dollars	NGEIVZZ = NGEIBZZ * NGEIDZZ / 1000 NGEIVUS = ΣNGEIVZZ
NGGBP	Natural gas generating units net summer capacity in all sectors.	Thousand kilowatts	NGGBPZZ is independent.
NGICD	Natural gas price in the industrial sector (including supplemental gaseous fuels).	Dollars per million Btu	NGICDZZ is independent. NGICDUS = NGICVZZ / NGISBZZ * 1000
NGICV	Natural gas expenditures in the industrial sector (including supplemental gaseous fuels).	Million dollars	NGICVZZ = NGISBZZ * NGICDZZ / 1000 NGICVUS = ΣNGICVZZ
NGRCD	Natural gas price in the residential sector (including supplemental gaseous fuels).	Dollars per million Btu	NGRCDZZ is independent. NGRCDUS = NGRCVZZ / NGRCBZZ * 1000
NGRCV	Natural gas expenditures in the residential sector (including supplemental gaseous fuels).	Million dollars	NGRCVZZ = NGRCBZZ * NGRCDZZ / 1000 NGRCVUS = ΣNGRCVZZ
NGTCD	Natural gas average price, all sectors (including supplemental gaseous fuels).	Dollars per million Btu	NGTCD = NGTCV / NGSCB * 1000
NGTCV	Natural gas total expenditures (including supplemental gaseous fuels).	Million dollars	NGTCVZZ = NGACVZZ + NGCCVZZ + NGEIVZZ + NGICVZZ + NGRCVZZ NGTCVUS = ΣNGTCVZZ
NGTXD	Natural gas average price, all end-use sectors (including supplemental gaseous fuels).	Dollars per million Btu	NGTXD = (NGTXV / (NGSCB - NGEIB)) * 1000
NGTXV	Natural gas total end-use expenditures (including supplemental gaseous fuels).	Million dollars	NGTXVZZ = NGACVZZ + NGCCVZZ + NGICVZZ + NGRCVZZ NGTXVUS = ΣNGTXVZZ

Table A1. Price and Expenditure Variables (cont.)

MSN	Description	Unit	Formula
NUEGD	Nuclear fuel price in the electric power sector.	Dollars per million Btu	NUEGDZZ is independent. NUEGDUS = NUEGVUS / NUEGBUS * 1000
NUEGV	Nuclear fuel expenditures in the electric power sector.	Million dollars	NUEGVZZ = NUEGBZZ * NUEGDZZ / 1000 NUEGVUS = ΣNUEGVZZ
NUETD	Nuclear fuel average price, all sectors.	Dollars per million Btu	NUETD = NUETV / NUETB * 1000
NUETV	Nuclear fuel total expenditures.	Million dollars	NUETVZZ = NUEGVZZ NUETVUS = ΣNUETVZZ
NUGBP	Nuclear generating units net summer capacity in all sectors.	Thousand kilowatts	NUGBPZZ is independent.
OHICD	Other hydrocarbon gas liquids (other than propane) price in the industrial sector.	Dollars per million Btu	OHICDZZ is independent.
OHICV	Other hydrocarbon gas liquids (other than propane) expenditures in the industrial sector.	Million dollars	OHICVZZ = OHICBZZ * OHICDZZ / 1000 OHICVUS = ΣOHICVZZ
OJGBP	Other gases generating units net summer capacity in all sectors.	Thousand kilowatts	OJGBPZZ is independent.
OPICD	Other petroleum products average price in the industrial sector.	Dollars per million Btu	OPICD = OPICV / OPISB * 1000
OPICV	Other petroleum products total expenditures in the industrial sector.	Million dollars	OPICVZZ = FNICVZZ + FOICVZZ + FSICVZZ + MSICVZZ + SNICVZZ + WXICVZZ OPICVUS = ΣOPICVZZ
OPTCD	Other petroleum products average price, all sectors.	Dollars per million Btu	OPTCD = OPTCV / OPSCB * 1000
OPTCV	Other petroleum products total expenditures.	Million dollars	OPTCVZZ = OPICVZZ OPTCVUS = ΣOPTCVZZ
OPTXD	Other petroleum products average price, all end-use sectors.	Dollars per million Btu	OPTXD = OPTXV / OPSCB * 1000
OPTXV	Other petroleum products total end-use expenditures.	Million dollars	OPTXVZZ = OPICVZZ OPTXVUS = ΣOPTXVZZ
OTGBP	Other generating units net summer capacity in all sectors.	Thousand kilowatts	OTGBPZZ is independent.
P1ICD	Asphalt and road oil, kerosene, lubricants, petroleum coke, and “other petroleum products” average price in the industrial sector.	Dollars per million Btu	P1ICD = P1ICV / P1ISB * 1000

Table A1. Price and Expenditure Variables (cont.)

MSN	Description	Unit	Formula
P1ICV	Asphalt and road oil, kerosene, lubricants, petroleum coke, and “other petroleum products” expenditures in the industrial sector.	Million dollars	$P1ICVZZ = ARICVZZ + K SICVZZ + LUICVZZ + OPICVZZ + PCICVZZ$ $P1ICVUS = \Sigma P1ICVZZ$
P1TCD	Asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and “other petroleum products” average price, all sectors.	Dollars per million Btu	$P1TCD = P1TCV / P1SCB * 1000$
P1TCV	Asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and “other petroleum products” total expenditures.	Million dollars	$P1TCVZZ = ARTCVZZ + AVTCVZZ + KSTCVZZ + LUTCVZZ + OPTCVZZ + PCTCVZZ$ $P1TCVUS = \Sigma P1TCVZZ$
P1TXD	Asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and “other petroleum products” average price, all end-use sectors.	Dollars per million Btu	$P1TXD = (P1TXV / (P1SCB - PCEIB)) * 1000$
P1TXV	Asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and “other petroleum products” total end-use expenditures.	Million dollars	$P1TXVZZ = P1TCVZZ - PCEIVZZ$ $P1TXVUS = \Sigma P1TXVZZ$
PAACD	All petroleum products average price in the transportation sector.	Dollars per million Btu	$PAACD = PAACV / PAACB * 1000$
PAACV	All petroleum products total expenditures in the transportation sector.	Million dollars	$PAACVZZ = AVACVZZ + DFACVZZ + HLACVZZ + JFACVZZ + LUACVZZ + MGACVZZ + RFACVZZ$ $PAACVUS = \Sigma PAACVZZ$
PACCD	All petroleum products average price in the commercial sector.	Dollars per million Btu	$PACCD = PACCV / PACCB * 1000$
PACCV	All petroleum products total expenditures in the commercial sector.	Million dollars	$PACCVZZ = DFCCVZZ + HLCCVZZ + KSCCVZZ + MGCCVZZ + PCCCVZZ + RFCCVZZ$ $PACCVUS = \Sigma PACCVZZ$
PAEID	All petroleum products average price in the electric power sector.	Dollars per million Btu	$PAEID = PAEIV / PAEIB * 1000$
PAEIV	All petroleum products total expenditures in the electric power sector.	Million dollars	$PAEIVZZ = DKEIVZZ + PCEIVZZ + RFEIVZZ$ $PAEIVUS = \Sigma PAEIVZZ$
PAGBP	Petroleum generating units net summer capacity in all sectors.	Thousand kilowatts	PAGBPZZ is independent.

Table A1. Price and Expenditure Variables (cont.)

MSN	Description	Unit	Formula
PAICD	All petroleum products average price in the industrial sector.	Dollars per million Btu	$PAICD = PAICV / PAISB * 1000$
PAICV	All petroleum products total expenditures in the industrial sector.	Million dollars	$PAICVZZ = ARICVZZ + DFICVZZ + HLICVZZ + KSICVZZ + LUICVZZ + MGICVZZ + OPICVZZ + PCICVZZ + RFICVZZ$ $PAICVUS = \Sigma PAICVZZ$
PARCD	All petroleum products average price in the residential sector.	Dollars per million Btu	$PARCD = PARCV / PARCB * 1000$
PARCV	All petroleum products total expenditures in the residential sector.	Million dollars	$PARCVZZ = DFRCVZZ + HLRCVZZ + KSRCVZZ$ $PARCVUS = \Sigma PARCVZZ$
PATCD	All petroleum products average price, all sectors.	Dollars per million Btu	$PATCD = PATCV / PASCB * 1000$
PATCV	All petroleum products total expenditures.	Million dollars	$PATCVZZ = ARTCVZZ + AVTCVZZ + DFTCVZZ + HLTCVZZ + JFTCVZZ + KSTCVZZ + LUTCVZZ + MGTCVZZ + OPTCVZZ + PCTCVZZ + RFTCVZZ$ $PATCVUS = \Sigma PATCVZZ$
PATXD	All petroleum products average price, all end-use sectors.	Dollars per million Btu	$PATXD = (PATXV / (PASCB - PAEIB)) * 1000$
PATXV	All petroleum products total end-use expenditures.	Million dollars	$PATXVZZ = ARTXVZZ + AVTXVZZ + DFTXVZZ + HLTXVZZ + JFTXVZZ + KSTXVZZ + LUTXVZZ + MGTXVZZ + OPTXVZZ + PCTXVZZ + RFTXVZZ$ $PATXVUS = \Sigma PATXVZZ$
PCCCD	Petroleum coke price in the commercial sector.	Dollars per million Btu	PCCCDZZ is independent. $PCCCDUS = PCCCVUS / PCCCBUS * 1000$
PCCCV	Petroleum coke expenditures in the commercial sector.	Million dollars	$PCCCVZZ = PCCCBZZ * PCCCDZZ / 1000$ $PCCCVUS = \Sigma PCCCVZZ$
PCEID	Petroleum coke price in the electric power sector.	Dollars per million Btu	PCEIDZZ is independent. $PCEIDUS = PCEIVUS / PCEIBUS * 1000$
PCEIV	Petroleum coke expenditures in the electric power sector.	Million dollars	$PCEIVZZ = PCEIBZZ * PCEIDZZ / 1000$ $PCEIVUS = \Sigma PCEIVZZ$
PCI3D	Price of petroleum coke consumed by the industrial CHP and electricity-only plants.	Dollars per million Btu	PCI3DZZ is independent. $PCI3DUS = PCI3VUS / PCI3BUS * 1000$
PCI3V	Expenditures of petroleum coke consumed by the industrial CHP and electricity-only plants.	Million dollars	$PCI3VZZ = PCI3BZZ * PCI3DZZ / 1000$ $PCI3VUS = \Sigma PCI3VZZ$

Table A1. Price and Expenditure Variables (cont.)

MSN	Description	Unit	Formula
PCICD	Petroleum coke price in the industrial sector.	Dollars per million Btu	$PCICD = PCICV / PCISB * 1000$
PCICV	Petroleum coke expenditures in the industrial sector.	Million dollars	$PCICVZZ = PCI3VZZ + PCOCVZZ$ $PCICVUS = \Sigma PCICVZZ$
PCOCD	Petroleum coke price in the industrial sector other than for refinery use and CHP.	Dollars per million Btu	PCOCDZZ is independent. $PCOCDUS = PCOCVUS / PCOCBUS * 1000$
PCOCV	Petroleum coke expenditures in the industrial sector other than for refinery use and CHP.	Million dollars	$PCOCVZZ = PCOCBZZ * PCOCDZZ / 1000$ $PCOCVUS = \Sigma PCOCVZZ$
PCTCD	Petroleum coke average price, all sectors.	Dollars per million Btu	$PCTCD = PCTCV / PCSCB * 1000$
PCTCV	Petroleum coke total expenditures.	Million dollars	$PCTCVZZ = PCCCVZZ + PCEIVZZ + PCICVZZ$ $PCTCVUS = \Sigma PCTCVZZ$
PCTXD	Petroleum coke average price, all end-use sectors.	Dollars per million Btu	$PCTXD = PCTXV / (PCSCB - PCEIB) * 1000$
PCTXV	Petroleum coke total end-use expenditures.	Million dollars	$PCTXVZZ = PCCCVZZ + PCICVZZ$ $PCTXVUS = \Sigma PCTXVZZ$
PEACD	Primary energy average price in the transportation sector.	Dollars per million Btu	$PEACD = PEACV / PEASB * 1000$
PEACV	Primary energy total expenditures in the transportation sector.	Million dollars	Before 1993: $PEACVZZ = CLACVZZ + EMACVZZ + NGACVZZ + PAACVZZ$ $PEACVUS = \Sigma PEACVZZ$ 1993 forward: $PEACVZZ = CLACVZZ + NGACVZZ + PAACVZZ$ $PEACVUS = \Sigma PEACVZZ$
PECCD	Primary energy average price in the commercial sector.	Dollars per million Btu	$PECCD = PECCV / PECSB * 1000$
PECCV	Primary energy total expenditures in the commercial sector.	Million dollars	Before 1993: $PECCVZZ = CLCCVZZ + EMCCVZZ + NGCCVZZ + PACCVZZ + WWCCVZZ$ $PECCVUS = \Sigma PECCVZZ$ 1993 forward: $PECCVZZ = CLCCVZZ + NGCCVZZ + PACCVZZ + WWCCVZZ$ $PECCVUS = \Sigma PECCVZZ$

Table A1. Price and Expenditure Variables (cont.)

MSN	Description	Unit	Formula
PEEID	Primary energy average price in the electric power sector.	Dollars per million Btu	$PEEID = PEEIV / PEEIB * 1000$
PEEIV	Primary energy total expenditures in the electric power sector.	Million dollars	$PEEIVZZ = CLEIVZZ + ELIMVZZ + NGEIVZZ + NUEGVZZ + PAEIVZZ + WWEIVZZ$ $PEEIVUS = \Sigma PEEIVZZ$
PEICD	Primary energy average price in the industrial sector.	Dollars per million Btu	$PEICD = PEICV / PEISB * 1000$
PEICV	Primary energy total expenditures in the industrial sector.	Million dollars	Before 1993: $PEICVZZ = CLICVZZ + EMICVZZ + NGICVZZ + PAICVZZ + WWICVZZ$ $PEICVUS = \Sigma PEICVZZ + CCNIVUS$ 1993 forward: $PEICVZZ = CLICVZZ + NGICVZZ + PAICVZZ + WWICVZZ$ $PEICVUS = \Sigma PEICVZZ + CCNIVUS$
PERCV	Primary energy total expenditures in the residential sector.	Million dollars	$PERCVZZ = CLRCVZZ + NGRCVZZ + PARCVZZ + WDRCVZZ$ $PERCVUS = \Sigma PERCVZZ$
PESSD	Primary energy average price, all end-use sectors.	Dollars per million Btu	$PESSD = PESSV / PESSB * 1000$
PESSV	Primary energy total end-use expenditures.	Million dollars	$PESSVZZ = PEACVZZ + PECCVZZ + PEICVZZ + PERCVZZ$ $PESSVUS = \Sigma PESSVZZ + CCNIVUS$
PETCD	Primary energy average price, all sectors.	Dollars per million Btu	$PETCD = PETCV / PESCB * 1000$
PETCV	Primary energy total expenditures.	Million dollars	$PETCVZZ = PEEIVZZ + PESSVZZ$ $PETCVUS = \Sigma PETCVZZ + CCNIVUS$
PETXD	Primary energy average price, all end-use sectors.	Dollars per million Btu	$PETXD = (PETXV / (PESCB - PEEIB)) * 1000$
PETXV	Primary energy total end-use expenditures.	Million dollars	$PETXVZZ = PEACVZZ + PECCVZZ + PEICVZZ + PERCVZZ$ $PETXVUS = \Sigma PETXVZZ + CCIMVUS - CCEXVUS$
PQACD	Propane price in the transportation sector.	Dollars per million Btu	PQACDZZ is independent. $PQACDUS = PQACVUS / PQACBUS * 1000$

Table A1. Price and Expenditure Variables (cont.)

MSN	Description	Unit	Formula
PQACV	Propane expenditures in the transportation sector.	Million dollars	$PQACVZZ = PQACBZZ * PQACDZZ / 1000$ $PQACVUS = \Sigma PQACVZZ$
PQCCD	Propane price in the commercial sector.	Dollars per million Btu	PQCCDZZ is independent. $PQCCDUS = PQCCVUS / PQCCBUS * 1000$
PQCCV	Propane expenditures in the commercial sector.	Million dollars	$PQCCVZZ = PQCCBZZ * PQCCDZZ / 1000$ $PQCCVUS = \Sigma PQCCVZZ$
PQICD	Propane price in the industrial sector.	Dollars per million Btu	PQICDZZ is independent. $PQICDUS = PQICVUS / PQISBUS * 1000$
PQICV	Propane expenditures in the industrial sector.	Million dollars	$PQICVZZ = PQISBZZ * PQICDZZ / 1000$ $PQICVUS = \Sigma PQICVZZ$
PQRCD	Propane price in the residential sector.	Dollars per million Btu	PQRCDZZ is independent. $PQRCDUS = PQRCVUS / PQRCBUS * 1000$
PQRCV	Propane expenditures in the residential sector.	Million dollars	$PQRCVZZ = PQRCBZZ * PQRCDZZ / 1000$ $PQRCVUS = \Sigma PQRCVZZ$
PQTCV	Propane average price, all sectors.	Dollars per million Btu	$PQTCV = PQTCV / PQSCB * 1000$
PQTCV	Propane total expenditures.	Million dollars	$PQTCVZZ = PQACVZZ + PQCCVZZ + PQICVZZ + PQRCVZZ$ $PQTCVUS = \Sigma PQTCVZZ$
PQTXD	Propane average price, all end-use sectors.	Dollars per million Btu	$PQTXD = PQTXV / PQSCB * 1000$
PQTXV	Propane total end-use expenditures.	Million dollars	$PQTXVZZ = PQACVZZ + PQCCVZZ + PQICVZZ + PQRCVZZ$ $PQTXVUS = \Sigma PQTXVZZ$
REGBP	Renewable energy total generating units net summer capacity in all sectors.	Thousand kilowatts	REGBPZZ is independent.
RFACD	Residual fuel oil price in the transportation sector.	Dollars per million Btu	RFACDZZ is independent. $RFACDUS = RFACVUS / RFACBUS * 1000$
RFACV	Residual fuel oil expenditures in the transportation sector.	Million dollars	$RFACVZZ = RFACBZZ * RFACDZZ / 1000$ $RFACVUS = \Sigma RFACVZZ$
RFCCD	Residual fuel oil price in the commercial sector.	Dollars per million Btu	RFCCDZZ is independent. $RFCCDUS = RFCCVUS / RFCCBUS * 1000$
RFCCV	Residual fuel oil expenditures in the commercial sector.	Million dollars	$RFCCVZZ = RFCCBZZ * RFCCDZZ / 1000$ $RFCCVUS = \Sigma RFCCVZZ$

Table A1. Price and Expenditure Variables (cont.)

MSN	Description	Unit	Formula
RFEID	Residual fuel oil price in the electric power sector.	Dollars per million Btu	RFEIDZZ is independent. RFEIDUS = RFEIVUS / RFEIBUS * 1000
RFEIV	Residual fuel oil expenditures in the electric power sector.	Million dollars	RFEIVZZ = RFEIBZZ * RFEIDZZ / 1000 RFEIVUS = ΣRFEIVZZ
RFICD	Residual fuel oil price in the industrial sector.	Dollars per million Btu	RFICDZZ is independent. RFICDUS = RFICVUS / RFISBUS * 1000
RFICV	Residual fuel oil expenditures in the industrial sector.	Million dollars	RFICVZZ = RFISBZZ * RFICDZZ / 1000 RFICVUS = ΣRFICVZZ
RFTCD	Residual fuel oil average price, all sectors.	Dollars per million Btu	RFTCD = RFTCV / RFSCB * 1000
RFTCV	Residual fuel oil total expenditures.	Million dollars	RFTCVZZ = RFACVZZ + RFCCVZZ + RFEIVZZ + RFICVZZ RFTCVUS = ΣRFTCVZZ
RFTXD	Residual fuel oil average price, all end-use sectors.	Dollars per million Btu	RFTXD = (RFTXV / (RFSCB - RFEIB)) * 1000
RFTXV	Residual fuel oil total end-use expenditures.	Million dollars	RFTXVZZ = RFACVZZ + RFCCVZZ + RFICVZZ RFTXVUS = ΣRFTXVZZ
SNICD	Special naphthas price in the industrial sector.	Dollars per million Btu	SNICDZZ is independent. SNICDUS = SNICVUS / SNICBUS * 1000
SNICV	Special naphthas expenditures in the industrial sector.	Million dollars	SNICVZZ = SNICBZZ * SNICDZZ / 1000 SNICVUS = ΣSNICVZZ
SOGBP	Solar generating units net summer capacity in all sectors.	Thousand kilowatts	SOGBPZZ is independent.
TEACD	Total energy average price in the transportation sector.	Dollars per million Btu	TEACD = TEACV / TNASB * 1000
TEACV	Total energy expenditures in the transportation sector.	Million dollars	TEACVZZ = ESACVZZ + PEACVZZ TEACVUS = ΣTEACVZZ
TECCD	Total energy average price in the commercial sector.	Dollars per million Btu	TECCD = TECCV / TNCSB * 1000
TECCV	Total energy expenditures in the commercial sector.	Million dollars	TECCVZZ = ESCCVZZ + PECCVZZ TECCVUS = ΣTECCVZZ
TEGDS	Energy expenditures as percent of current-dollar GDP.	Percent	TEGDS = TETCV / GDPRV * 100

Table A1. Price and Expenditure Variables (cont.)

MSN	Description	Unit	Formula
TEICD	Total energy average price in the industrial sector.	Dollars per million Btu	$TEICD = TEICV / TNISB * 1000$
TEICV	Total energy expenditures in the industrial sector.	Million dollars	$TEICVZZ = ESICVZZ + PEICVZZ$ $TEICVUS = \Sigma TEICVZZ + CCNIVUS$
TERCD	Total energy average price in the residential sector.	Dollars per million Btu	$TERCD = TERCV / TNRSB * 1000$
TERCV	Total energy expenditures in the residential sector.	Million dollars	$TERCVZZ = ESRCVZZ + PERCVZZ$ $TERCVUS = \Sigma TERCVZZ$
TETCD	Total energy average price.	Dollars per million Btu	$TETCD = TETCV / TNSCB * 1000$
TETCV	Total energy expenditures.	Million dollars	$TETCV = ESTCV + PESSV$
TETPV	Total energy expenditures per capita.	Dollars	$TETPV = TETCV / TPOPP * 1000$
TETXD	Total end-use energy average price.	Dollars per million Btu	$TETXD = TETXV / TNSCB * 1000$
TETXV	Total end-use energy expenditures.	Million dollars	$TETXVZZ = TEACVZZ + TECCVZZ + TEICVZZ + TERCVZZ$ $TETXVUS = \Sigma TETXVZZ$
TPOPP	Resident population including Armed Forces.	Thousand population	TPOPPZZ is independent. TPOPPUS is independent.
WDC3DUS	Wood price, commercial CHP and electricity-only plants, U.S. only.	Dollars per million Btu	$WDC3DUS = WDC3VUS / WDCYBUS * 1000$
WDC3V	Wood expenditures, commercial CHP and electricity-only plants.	Million dollars	$WDC3VZZ = WDCYBZZ * WDEIDUS / 1000$ $WDC3VUS = \Sigma WDC3VZZ$
WDC4D	Wood price, commercial sector other than CHP and electricity-only plants.	Dollars per million Btu	WDC4D is independent.
WDC4V	Wood expenditures, commercial sector other than CHP and electricity-only plants.	Million dollars	$WDC4VZZ = WDCVBZZ * WDC4DZZ / 1000$ $WDC4VUS = \Sigma WDC4VZZ$
WDEIDUS	Wood price in the electric power sector, U.S. only.	Dollars per million Btu	WDEIDUS is independent.
WDGBP	Wood generating units net summer capacity in all sectors.	Thousand kilowatts	WDGBPZZ is independent.
WDI3DUS	Wood price, industrial CHP and electricity-only plants, U.S. only.	Dollars per million Btu	$WDI3DUS = WDI3VUS / WDIYBUS * 1000$

Table A1. Price and Expenditure Variables (cont.)

MSN	Description	Unit	Formula
WDI3V	Wood expenditures, industrial CHP and electricity-only plants.	Million dollars	$WDI3VZZ = WDIYBZZ * WDEIDUS / 1000$ $WDI3VUS = \Sigma WDI3VZZ$
WDRCD	Wood price in the residential sector.	Dollars per million Btu	WDRCDZZ is independent. $WDRCDUS = WDRCVUS / WDRSBUS * 1000$
WDRCV	Wood expenditures in the residential sector.	Million dollars	$WDRCVZZ = WDRSBZZ * WDRCDZZ / 1000$ $WDRCVUS = \Sigma WDRCVZZ$
WSC3DUS	Waste price, commercial CHP and electricity-only plants, U.S. only.	Dollars per million Btu	$WSC3DUS = WSC3VUS / WSCYBUS * 1000$
WSC3V	Waste expenditures, commercial CHP and electricity-only plants.	Million dollars	$WSC3VZZ = WSCYBZZ * WSEIDUS / 1000$ $WSC3VUS = \Sigma WSC3VZZ$
WSEIDUS	Waste price in the electric power sector, U.S. only.	Dollars per million Btu	WSEIDUS is independent.
WSGBP	Waste generating units net summer capacity in all sectors.	Thousand kilowatts	WSGBPZZ is independent.
WSI3DUS	Waste price, industrial CHP and electricity-only plants, U.S. only.	Dollars per million Btu	$WSI3DUS = WSI3VUS / WSIYBUS * 1000$
WSI3V	Waste expenditures, industrial CHP and electricity-only plants.	Million dollars	$WSI3VZZ = WSIYBZZ * WSEIDUS / 1000$ $WSI3VUS = \Sigma WSI3VZZ$
WWCCD	Wood and waste price in the commercial sector.	Dollars per million Btu	$WWCCD = WWCCV / WWCSB * 1000$
WWCCV	Wood and waste expenditures in the commercial sector.	Million dollars	$WWCCVZZ = WDC3VZZ + WDC4VZZ + WSC3VZZ$ $WWCCVUS = \Sigma WWCCVZZ$
WWEID	Wood and waste price in the electric power sector.	Dollars per million Btu	WWEIDZZ is independent. $WWEIDUS = WWEIVUS / WWEIBUS * 1000$
WWEIV	Wood and waste expenditures in the electric power sector.	Million dollars	$WWEIVZZ = WWEIBZZ * WWEIDZZ / 1000$ $WWEIVUS = \Sigma WWEIVZZ$
WWI4D	Wood and waste prices in the industrial sector other than CHP and electricity-only plants.	Dollars per million Btu	WWI4DZZ is independent. $WWI4DUS = WWI4VUS / WWIVBUS$
WWI4V	Wood and waste expenditures in the industrial sector other than CHP and electricity-only plants.	Million dollars	$WWI4VZZ = WWIVBZZ * WWI4DZZ / 1000$ $WWI4VUS = \Sigma WWI4VZZ$
WWICD	Wood and waste price in the industrial sector.	Dollars per million Btu	$WWICD = WWICV / WWISB * 1000$

Table A1. Price and Expenditure Variables (cont.)

MSN	Description	Unit	Formula
WWICV	Wood and waste expenditures in the industrial sector.	Million dollars	$WWICVZZ = WDI3VZZ + WSI3VZZ + WWI4VZZ$ $WWICVUS = \Sigma WWICVZZ$
WWSSV	Wood and waste total end-use expenditures.	Million dollars	$WWSSVZZ = WDRCVZZ + WWCCVZZ + WWICVZZ$ $WWSSVUS = \Sigma WWSSVZZ$
WWTCD	Wood and waste average price, all sectors.	Dollars per million Btu	$WWTCD = WWTCV / WWSCB * 1000$
WWTCV	Wood and waste total expenditures.	Million dollars	$WWTCVZZ = WWEIVZZ + WWSSVZZ$ $WWTCVUS = \Sigma WWTCVZZ$
WWTXD	Wood and waste average price, all end-use sectors.	Dollars per million Btu	$WWTXD = WWTXV / WWSSB * 1000$
WWTXV	Wood and waste total end-use expenditures.	Million dollars	$WWTXVZZ = WDRCVZZ + WWCCVZZ + WWICVZZ$ $WWTXVUS = \Sigma WWTXVZZ$
WXICD	Waxes price in the industrial sector.	Dollars per million Btu	WXICDZZ is independent. $WXICDUS = WXICVUS / WXICBUS * 1000$
WXICV	Waxes expenditures in the industrial sector.	Million dollars	$WXICVZZ = WXICBZZ * WXICDZZ / 1000$ $WXICVUS = \Sigma WXICVZZ$
WYGBP	Wind generating units net summer capacity in all sectors.	Thousand kilowatts	WYGBPZZ is independent.
ZWCDP	Cooling degree days (CDD).	Cooling degree days	ZWCDPZZ is independent. ZWCDPUS is independent.
ZWHDP	Heating degree days (HDD).	Heating degree days	ZWHDPZZ is independent. ZWHDPUS is independent.

Table A2. Consumption Adjustment Variables

MSN	Description	Unit	Formula
B1SUB	Renewable diesel product supplied.	Billion Btu	SEDS consumption variable
BDLCB	Energy losses and co-products from the production of biodiesel.	Billion Btu	SEDS consumption variable
BDSUB	Biodiesel product supplied.	Billion Btu	SEDS consumption variable
BFLCB	Energy losses and co-products from the production of biofuels.	Billion Btu	SEDS consumption variable
BFSUB	Biofuels product supplied consumed with distillate fuel oil by the transportation sector.	Billion Btu	Before 2011: BFSUB = BDSUB 2011 forward: BFSUB = BDSUB + B1SUB
BOSUBUS	Other biofuels product supplied for the United States.	Billion Btu	SEDS consumption variable
CLISB	Coal consumed by the industrial sector excluding refinery fuel.	Billion Btu	CLISB = CLKCB + CLOSB
CLOCB	Coal consumed by industrial users other than coke plants.	Billion Btu	SEDS consumption variable
CLOCK	Factor for converting coal consumed by industrial users other than coke plants from physical units to Btu.	Million Btu per short ton	SEDS consumption variable
CLOSB	Coal consumed by the industrial sector other than coke plants excluding refinery fuel.	Billion Btu	CLOSB = CLOCB - CLRFB
CLRFB	Coal consumed as refinery fuel.	Billion Btu	CLRFBZZ = CLRFPZZ * CLOCKZZ
CLRFP	Coal consumed as refinery fuel.	Thousand short tons	Before 1981: CLRFPZZ is independent for selected states. CLRFPZZ = (CLOCPZZ / CLOCPGZ) * CLRFPGZ for states belonging to a specific state group, GZ. 1981 through 2012: CLRFPZZ = (CLOCPZZ / CLOCPPZ) * CLRFPPZ for states belonging to a specific PADD, PZ. 2013 forward: CLRFPZZ is independent.
CLSCB	Coal total consumption adjusted for process fuel.	Billion Btu	CLSCB = CLACB + CLCCB + CLEIB + CLISB + CLRFB

Table A2. Consumption Adjustment Variables (cont.)

MSN	Description	Unit	Formula
CLXCB	Coal consumed by all sectors excluding coke plants and refineries.	Billion Btu	$CLXCB = CLACB + CLCCB + CLEIB + CLOSB + CLRCB$
DFASB	Distillate fuel oil consumed by the transportation sector including biofuels product supplied.	Billion Btu	$DFASB = DFACB + BFSUB$
DFISB	Distillate fuel oil consumed by the industrial sector excluding refinery fuel.	Billion Btu	$DFISB = DFICB - DFRFB$
DFRFB	Distillate fuel oil consumed as refinery fuel.	Billion Btu	$DFRFBZZ = DFRFPZZ * DFTCKUS$
DFRFP	Distillate fuel oil consumed as refinery fuel.	Thousand barrels	Before 1981: DFRFPZZ is independent for selected states. $DFRFPZZ = (DFICPZZ / DFICPGZ) * DFRFPGZ$ for states belonging to a specific state group, GZ. 1981 through 2012: $DFRFPZZ = (DFICPZZ / DFICPPZ) * DFRFPPZ$ for states belonging to a specific PADD, PZ. 2013 forward: DFRFPZZ is independent.
DFSCB	Distillate fuel oil total consumption adjusted for process fuel.	Billion Btu	$DFSCB = DFASB + DFCCB + DFEIB + DFISB + DFRFB$
EMLCB	Energy losses and co-products from the production of fuel ethanol.	Billion Btu	SEDS consumption variable
ESISB	Electricity consumed by the industrial sector excluding refinery use.	Billion Btu	$ESISB = ESICB - ESRFB$
ESRFB	Electricity consumed by refineries.	Billion Btu	$ESRFBZZ = ESRFPZZ * 3.412$
ESRFP	Electricity consumed by refineries.	Million kilowatthours	Before 1981: ESRFPZZ is independent for selected states. $ESRFPZZ = (ESICPZZ / ESICPGZ) * ESRFPGZ$ for states belonging to a specific state group, GZ. 1981 through 2012: $ESRFPZZ = (ESICPZZ / ESICPPZ) * ESRFPPZ$ for states belonging to a specific PADD, PZ. 2013 forward: ESRFPZZ is independent.
ESSCB	Electricity total consumption adjusted for process fuel.	Billion Btu	$ESSCB = ESACB + ESSCB + ESISB + ESRFB$

Table A2. Consumption Adjustment Variables (cont.)

MSN	Description	Unit	Formula
HLISB	Hydrocarbon gas liquids consumed by the industrial sector adjusted for processed fuel.	Billion Btu	$HLISB = HLICB - HLRFB$
HLRFB	Hydrocarbon gas liquids consumed as refinery fuel and intermediate products.	Billion Btu	Before 2010: HLRFBZZ is independent. 2010 forward: $HLRFBZZ = PQRFBZZ$
HLRFP	Hydrocarbon gas liquids consumed as refinery fuel and intermediate products.	Thousand barrels	Before 2010: HLRFPZZ is independent. 2010 forward: $HLRFPZZ = PQRFPZZ$
HLSCB	Hydrocarbon gas liquids total consumption adjusted for processed fuel.	Billion Btu	$HLSCB = HLACB + HLCCB + HLISB + HLRCB$
NGASB	Natural gas consumed by the transportation sector adjusted for process fuel.	Billion Btu	$NGASB = NGACB - NGPZB$
NGISB	Natural gas consumed by the industrial sector excluding refinery fuel and lease and plant fuels (including supplemental gaseous fuels).	Billion Btu	$NGISB = NGICB - NGRFB - NGLPB$
NGLPB	Natural gas consumed as lease and plant fuel.	Billion Btu	SEDS consumption variable
NGPZB	Natural gas for pipeline and distribution use.	Billion Btu	SEDS consumption variable
NGRFB	Natural gas consumed as refinery fuel (including supplemental gaseous fuels).	Billion Btu	$NGRFBZZ = NGRFPZZ * NGTXKZZ$
NGRFP	Natural gas consumed as refinery fuel (including supplemental gaseous fuels).	Million cubic feet	Before 1981: NGRFPZZ is independent for selected states. $NGRFPZZ = (NGICPZZ / NGICPGZ) * NGRFPGZ$ for states belonging to a specific state group, GZ. 1981 through 2012: $NGRFPZZ = (NGICPZZ / NGICPPZ) * NGRFPPZ$ for states belonging to a specific PADD, PZ. 2013 forward: NGRFPZZ is independent.
NGSCB	Natural gas total consumption adjusted for process fuel.	Billion Btu	$NGSCB = NGASB + NGCCB + NGEIB + NGISB + NGRCB$
NGTXK	Factor for converting natural gas used by end-use sectors from physical units to Btu.	Thousand Btu per cubic foot	SEDS consumption variable

Table A2. Consumption Adjustment Variables (cont.)

MSN	Description	Unit	Formula
OHICB	Other hydrocarbon gas liquids (other than propane) consumed by the industrial sector.	Billion Btu	$OHICB = HLICB - PQICB$
OPISB	Other petroleum products consumed by the industrial sector excluding refinery fuel and intermediate products.	Billion Btu	$OPISB = FNICB + FOICB + FSICB + MSICB + SNICB + WXICB$
OPSCB	Other petroleum products total consumption adjusted for refinery fuel and intermediate products.	Billion Btu	$OPSCB = OPISB$
P1ISB	Asphalt and road oil, kerosene, lubricants, petroleum coke, and other petroleum products consumed by the industrial sector excluding refinery fuel and intermediate products.	Billion Btu	$P1ISB = ARICB + KSICB + LUICB + OPISB + PCISB$
P1SCB	Asphalt and road oil, kerosene, lubricants, petroleum coke, and other petroleum products total consumption adjusted for process fuel and intermediate products.	Billion Btu	$P1SCB = ARTCB + AVTCB + KSTCB + LUTCB + OPSCB + PCSCB$
P5RFB	Other petroleum products consumed as refinery fuel and intermediate products.	Billion Btu	$P5RFBZZ = ABICBZZ + MBICBZZ + SGICBZZ + UOICBZZ$ $P5RFBUS = ABICBUS + BOSUBUS + MBICBUS + SGICBUS + UOICBUS$
PAASB	All petroleum products consumed by the transportation sector excluding other biofuels product supplied for the United States.	Billion Btu	$PAASBZZ = PAACBZZ$ $PAASBUS = PAACBUS - BOSUBUS$
PAISB	All petroleum products consumed by the industrial sector excluding process fuel and intermediate products.	Billion Btu	$PAISB = ARICB + DFISB + HLISB + KSICB + LUICB + MGICB + OPISB + PCISB + RFISB$
PASCB	All petroleum products total consumption adjusted for process fuel and intermediate products.	Billion Btu	$PASCB = ARTCB + AVTCB + DFSCB + HLSCB + JFTCB + KSTCB + LUTCB + MGTCB + OPSCB + PCSCB + RFSCB$
PCISB	Petroleum coke consumed by the industrial sector excluding refinery fuel.	Billion Btu	$PCISB = PCICB - PCRFB$
PCRFB	Petroleum coke consumed as refinery fuel.	Billion Btu	SEDS consumption variable
PCSCB	Petroleum coke total consumption adjusted for process fuel.	Billion Btu	$PCSCB = PCCCB + PCEIB + PCISB$

Table A2. Consumption Adjustment Variables (cont.)

MSN	Description	Unit	Formula
PEASB	Primary energy consumed by the transportation sector, adjusted for process fuel, intermediate products, and fuels with no direct cost.	Billion Btu	Before 1993: PEASB = CLACB + EMACB + NGASB + PAACB 1993 forward: PEASB = CLACB + NGASB + PAASB
PECSB	Primary energy consumed by the commercial sector, adjusted for process fuel, intermediate products, and fuels with no direct cost.	Billion Btu	Before 1993: PECSB = CLCCB + EMCCB + NGCCB + PACCB + WWCSB 1993 forward: PECSB = CLCCB + NGCCB + PACCB + WWCSB
PEISB	Primary energy consumed by the industrial sector, adjusted for process fuel, intermediate products, and fuels with no direct cost.	Billion Btu	Before 1993: PEISBZZ = CLISBZZ + EMICBZZ + NGISBZZ + PAISBZZ + WWISBZZ PEISBUS = ΣPEISBZZ + CCNIBUS 1993 forward: PEISBZZ = CLISBZZ + NGISBZZ + PAISBZZ + WWISBZZ PEISBUS = ΣPEISBZZ + CCNIBUS
PERSB	Primary energy consumed by the residential sector, adjusted for process fuel, intermediate products, and fuels with no direct cost.	Billion Btu	PERSB = CLRCB + NGRCB + PARCB + WDRSB
PESCB	Primary energy total consumption, adjusted for process fuel, intermediate products, and fuels with no direct cost.	Billion Btu	PESCB = PEEIB + PESSB
PESSB	Primary energy total end-use consumption, adjusted for process fuel, intermediate products, and fuels with no direct cost.	Billion Btu	PESSB = PEASB + PECSB + PEISB + PERSB
PQISB	Propane consumed by the industrial sector excluding refinery fuel.	Billion Btu	PQISB = PQICB - PQRFB
PQRFB	Propane consumed as refinery fuel.	Billion Btu	PQRFBZZ = PQRFPZZ * 3.841
PQRFP	Propane consumed as refinery fuel.	Thousand barrels	PQRFPZZ is independent.
RFISB	Residual fuel oil consumed by the industrial sector excluding refinery fuel.	Billion Btu	RFISB = RFICB - RFRFB
RFRFB	Residual fuel oil consumed as refinery fuel.	Billion Btu	RFRFBZZ = RFRFPZZ * 6.287 RFRFBUS = ΣRFRFBZZ

Table A2. Consumption Adjustment Variables (cont.)

MSN	Description	Unit	Formula
RFRFP	Residual fuel oil consumed as refinery fuel.	Thousand barrels	2013 forward: RFRFPZZ is independent. 1981 through 2012: RFRFPZZ = (RFICPZZ / RFICPPZ) * RFRFPZZ for states belonging to a specific PADD, PZ. Before 1981: RFRFPZZ is independent for selected states. RFRFPZZ = (RFICPZZ / RFICPGZ) * RFRFPZZ for states belonging to a specific state group, GZ.
RFSCB	Residential fuel oil total consumption excluding process fuel.	Billion Btu	RFSCB = RFACB + RFCCB + RFEIB + RFISB
SFINB	Supplemental gaseous fuels consumed by the industrial sector.	Billion Btu	SEDS consumption variable
TEPFB	Total energy used as process fuel and other consumption that has no direct fuel costs.	Billion Btu	TEPFBZZ = BDLCBZZ + COICBZZ + EMLCBZZ + GECCBZZ + GEICBZZ + GERCBZZ + HYCCBZZ + HYICBZZ + LOTCBZZ + NGLPBZZ + NGPZBZZ + SOCCBZZ + SOICBZZ + SORCBZZ + TERFBZZ + WDRXBZZ + WWCXBZZ + WWIXBZZ + WYCCBZZ + WYICBZZ TEPFBUS = BDLCBUS + COICBUS + EMLCBUS + GECCBUS + GEICBUS + GERCBUS + HYCCBUS + HYICBUS + LOTCBUS + NGLPBUS + NGPZBUS + SOCCBUS + SOICBUS + SORCBUS + TERFBUS + WDRXBUS + WWCXBUS + WWIXBUS + WYCCBUS + WYICBUS
TERFB	Total energy used as refinery fuel and intermediate products.	Billion Btu	TERFB = CLRFB + DFRFB + ESRFB + HLRFB + NGRFB + P5RFB + PCRFB + RFRFB
TNASB	Total end-use energy consumed by the transportation sector, adjusted for process fuel, intermediate products, and fuels with no direct cost.	Billion Btu	TNASB = ESACB + PEASB
TNCSB	Total end-use energy consumed by the commercial sector, adjusted for process fuel, intermediate products, and fuels with no direct cost.	Billion Btu	TNCSB = ESCCB + PECSB

Table A2. Consumption Adjustment Variables (cont.)

MSN	Description	Unit	Formula
TNISB	Total end-use energy consumed by the industrial sector, adjusted for process fuel, intermediate products, and fuels with no direct cost.	Billion Btu	$TNISB = ESISB + PEISB$
TNRSB	Total end-use energy consumed by the residential sector, adjusted for process fuel, intermediate products, and fuels with no direct cost.	Billion Btu	$TNRSB = ESRCB + PERSB$
TNSCB	Total end-use energy consumption, adjusted for process fuel, intermediate products, and fuels with no direct cost.	Billion Btu	$TNSCB = ESSCB + PESSB$
WDCUB	Wood consumed by the commercial sector other than CHP and electricity-only plants, at no cost.	Billion Btu	$WDCUB = WDC4B - WDCVB$
WDCVB	Wood consumed by the commercial sector other than CHP and electricity-only plants, costed.	Billion Btu	$WDCVBZZ = WDC4BZZ * WDPHSZZ$ $WDCVBUS = \Sigma WDCVBZZ$
WDCYB	Wood consumed by commercial CHP and electricity-only plants, costed.	Billion Btu	$WDCYBZZ = WDC3BZZ * WDEISUS$ $WDCYBUS = \Sigma WDCYBZZ$
WDCZB	Wood consumed by commercial CHP and electricity-only plants, at no cost.	Billion Btu	$WDCZB = WDC3B - WDCYB$
WDEISUS	Purchased wood as a percentage of all wood consumed by the electric power sector, U.S. only.	Percent	WDEISUS is independent.
WDIYB	Wood consumed by industrial CHP and electricity-only plants, costed.	Billion Btu	$WDIYBZZ = WDI3BZZ * WDEISUS$ $WDIYBUS = \Sigma WDIYBZZ$
WDIZB	Wood consumed by industrial CHP and electricity-only plants, at no cost.	Billion Btu	$WDIZB = WDI3B - WDIYB$
WDPHS	Purchased wood as a percentage of all wood consumed by the residential sector.	Percent	WDPHS is independent.
WDRSB	Wood consumed by the residential sector, costed.	Billion Btu	$WDRSBZZ = WDRCBZZ * WDPHSZZ$ $WDRSBUS = \Sigma WDRSBZZ$
WDRXB	Wood consumed by the residential sector, at no cost.	Billion Btu	$WDRXB = WDRCB - WDRSB$

Table A2. Consumption Adjustment Variables (cont.)

MSN	Description	Unit	Formula
WSCYB	Waste consumed by commercial CHP and electricity-only plants, costed.	Billion Btu	$WSCYBZZ = WSC3BZZ * WSEISUS$ $WSCYBUS = \Sigma WSCYBZZ$
WSCZB	Waste consumed by commercial CHP and electricity-only plants, at no cost.	Billion Btu	$WSCZB = WSC3B - WSCYB$
WSEISUS	Purchased waste as a percentage of all waste consumed by the electric power sector, U.S. only.	Percent	WSEISUS is independent.
WSIYB	Waste consumed by industrial CHP and electricity-only plants, costed.	Billion Btu	$WSIYBZZ = WSI3BZZ * WSEISUS$ $WSIYBUS = \Sigma WSIYBZZ$
WSIZB	Waste consumed by industrial CHP and electricity-only plants, at no cost.	Billion Btu	$WSIZB = WSI3B - WSIYB$
WWCSB	Wood and waste consumed by the commercial sector, costed.	Billion Btu	$WWCSB = WDCVB + WDCYB + WSCYB$
WWCXB	Wood and waste consumed by the commercial sector, at no cost.	Billion Btu	$WWCXB = WDCUB + WDCZB + WSCZB$
WWISB	Wood and waste consumed by the industrial sector, costed.	Billion Btu	$WWISB = WDIYB + WSIYB + WWIVB$
WWIUB	Wood and waste consumed by the industrial sector other than CHP and electricity-only plants, at no cost.	Billion Btu	$WWIUB = WWI4B - WWIVB$
WWIVB	Wood and waste consumed by the industrial sector other than CHP and electricity-only plants, costed.	Billion Btu	WWIVB is independent.
WWIXB	Wood and waste consumed by the industrial sector, at no cost.	Billion Btu	$WWIXB = WDIZB + WSIZB + WWIUB$
WWSCB	Wood and waste total consumption, adjusted for fuels with no direct cost.	Billion Btu	$WWSCB = WWSSB + WWEIB$
WWSSB	Wood and waste consumed by the end-use sectors, costed.	Billion Btu	$WWSSB = WDRSB + WWCSB + WWISB$