# 1999 Commercial Buildings Energy Consumption Survey (CBECS) Public Use Files

## Building Characteristics, Consumption, and Expenditures

This document contains all the file layouts and format codes for the 1999 Commercial Buildings Energy Consumption Survey public use files. The files themselves can be downloaded in ASCII comma delimited files from:

http://www.eia.doe.gov/emeu/cbecs/public use.html

The file layouts give, for each variable on a file: the variable name, a description, the position on the file and the corresponding format. To determine what each value of a variable means, find its corresponding format on the alphabetical list of the format codes found following the file layouts (ignoring the first words "VALUE" or "PICTURE" for each).

### Layout for File 1: General Building Information and Energy End Uses

<u>Variable Name</u>	Variable Description	Posi	tion	Format
PUBID7	Building identifier	1-	5	
REGION7	Census region	7 –	7	\$REGION.
CENDIV7	Census division	9-	9	\$CENDIV.
SQFT7	Square footage	11-	20	MISS10CH.
SQFTC7	Square footage category	22-	23	\$SQFTCAT.
YRCONC7	Year of construction category	25-	26	\$YEARCAT.
PBA7	Principal building activity	28-	29	\$PBA.
ELUSED7	Electricity used in 1999	31-	31	\$YESNO.
NGUSED7	Natural gas used in 1999	33-	33	\$YESNO.
FKUSED7	Fuel oil used in 1999	35-	35	\$YESNO.
PRUSED7	Propane used in 1999	37-	37	\$YESNO.
STUSED7	District steam used in 1999	39-	39	\$YESNO.
HWUSED7	District hot water used in 1999	41-	41	\$YESNO.
CLIMATE7	Climate zone	43-	43	\$CLIMAT.
NFLOOR7	Number of floors	45-	47	NFLOOR.
YRCON7	Year construction was completed	49-	52	YRCON.
MONCON7	Month ready for occupancy in 1999	54-	55	\$MONCON.
GOVOWN7	Owned by government agency	57 <b>-</b>	57	\$YESNO.
GOVTYP7	Type of government agency	59-	59	\$GOVTYP.
NOCC7	Number of establishments/organizations	61-	65	MISS5CH.
NOCCAT7	Number of estab./organizations category	67-	68	\$NOCCCAT.
OWNOCC7	Occupied by the owner	70-	70	\$YESNO.
OWNREP7	Owner employs someone in the building	72-	72	\$YESNO.
MONUSE7	Months in use during calendar year 1999	74-	75	MISS2CH.
PORVAC7	Any space vacant 3 months in a row	77-	77	\$YESNO.
OPEN247	Open 24 hours per day	79-	79	\$YESNO.
OPNMF7	Normally open Monday through Friday	81-	81	\$DAYSOPN.
OPNWE7	Normally open at all on the weekend	83-	83	\$YESNO.
WKHRS7	Total weekly operating hours	85-	87	MISS3CH.
WKHRSC7	Total weekly operating hours category	89-	89	\$HRSCAT.
NWKER7	Total employees during main shift	91-	96	MISS6CH.
NWKERC7	Number of employees main shift category	98-	99	\$WORKCAT.
HT17	Energy used for main heating	101-		\$YESNO.
HT27	Energy used for secondary heating	103-		\$YESNO.
COOL7	Energy used for cooling	105-		\$YESNO.
WATR7	Energy used for domestic hot water	107-		\$YESNO.
COOK7	Energy used for cooking	109-	-	\$YESNO.
MANU7	Energy used for manufacturing	111-		\$YESNO.
GENR7	Energy used to generate electricity	113-		\$YESNO.
HEATP7	Percent heated in 1999	115-		MISS3CH.
HTLS507	Building heated to less than 50 degrees	119-		\$YESNO.
COOLP7	Percent cooled in 1999	121-		MISS3CH.
LTOHRP7	Percent of building lit when open	125-		MISS3CH.
ADJWT7	Adjusted weight	129-		
PAIR7	Pair member	138-		
STRATUM7	Variance stratum	140-		
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## Layout for File 2: Building Activities; Special Measures of Size; and Multibuilding Facilities

<u>Variable Name</u>	<u>Variable Description</u>	Posi	tion	<u>Format</u>
PUBID7	Building identifier	1-	5	
REGION7	Census region	7-	7	\$REGION.
CENDIV7	Census division	9-	9	\$CENDIV.
SOFT7	Square footage	11-	20	MISS10CH.
SQFTC7	Square footage category	22-	23	\$SQFTCAT.
YRCONC7	Year of construction category	25-	26	SYEARCAT.
PBA7	Principal building activity	28-	29	\$PBA.
ELUSED7	Electricity used in 1999	31-	31	\$YESNO.
NGUSED7	Natural gas used in 1999	33-	33	\$YESNO.
FKUSED7	Fuel oil used in 1999	35-	35	\$YESNO.
PRUSED7	Propane used in 1999	37-	37	\$YESNO.
STUSED7	District steam used in 1999	39-	39	\$YESNO.
HWUSED7	District hot water used in 1999	41-	41	\$YESNO.
ONEACT7	One activity accts for 75% of floorspace	43-	43	\$YESNO.
ACT17	First activity given (if >1)	45-	46	\$PBAX.
ACT27	Second activity given (if >1)	48-	49	\$PBAX.
ACT37	Third activity given (if >1)	51-	52	\$PBAX.
ACT1PCT7	Percent used for first activity	54-	56	MISS3CH.
ACT2PCT7	Percent used for second activity	58-	60	MISS3CH.
ACT3PCT7	Percent used for third activity	62-	64	MISS3CH.
VACUSE7	Vacant used/intended agr/ind/res/parking	66-	66	\$YESNO.
PBAPLUS7	More specific building activity	68-	69	\$PBAPLUS.
RWSEAT7	Religious worship seating capacity	71-	76	MISS6CH.
PBSEAT7	Public assembly seating capacity	78-	83	MISS6CH.
EDSEAT7	Total seats in classrooms	85-	90	MISS6CH.
FDSEAT7	Food service seating capacity	92-	97	MISS6CH.
HCBED7	Inpatient licensed bed capacity	99-	104	MISS6CH.
NRSBED7	Skilled care licensed bed capacity	106-	111	MISS6CH.
LODGRM7	Number of guest/occupant rooms	113-	118	MISS6CH.
FACIL7	Part of a campus or complex	120-	120	\$YESNO.
FEDFAC7	Campus/complex owned by federal govt.	122-	122	\$YESNO.
FACACT7	Facility activity	124-	125	\$FACACT.
MANIND7	Facility act. manufacturing industrial	127-	127	\$YESNO.
MANFAC7	Building same owner/operator as complex	129-	129	\$YESNO.
PLANT7	Campus/complex has a central plant	131-	131	\$YESNO.
FACDST7	Central plant produces district steam	133-	133	\$YESNO.
FACDHW7	Central plant produces dist. hot water	135-	135	\$YESNO.
FACDCW7	Cent. plant produces dist. chilled water	137-	137	\$YESNO.
FACELC7	Central plant produces electricity	139-	139	\$YESNO.
BLDPLT7	Central plant located in the building	141-		\$YESNO.
ADJWT7	Adjusted weight	143-		
PAIR7	Pair member	152-		
STRATUM7	Variance stratum	154-	155	

#### Layout for File 3: Heating and Cooling Equipment and Conservation Features

Variable Name	Variable Description	Posi	ition	Format
PUBID7	Building identifier	1-	5	
REGION7	Census region	7 –	7	\$REGION.
CENDIV7	Census division	9-	9	\$CENDIV.
SQFT7	Square footage	11-	20	MISS10CH.
SQFTC7	Square footage category	22-	23	\$SQFTCAT.
YRCONC7	Year of construction category	25-	26	SYEARCAT.
PBA7	Principal building activity	28-	29	\$PBA.
ELUSED7	Electricity used in 1999	31-	31	\$YESNO.
NGUSED7	Natural gas used in 1999	33-	33	\$YESNO.
FKUSED7	Fuel oil used in 1999	35-	35	\$YESNO.
PRUSED7	Propane used in 1999	37-	37	\$YESNO.
STUSED7	District steam used in 1999	39-	39	\$YESNO.
HWUSED7	District hot water used in 1999	41-	41	\$YESNO.
HEATP7	Percent heated in 1999	43-	45	MISS3CH.
HTLS507	Building heated to less than 50 degrees	47-	47	\$YESNO.
FURNAC7	Furnaces that heat air used	49-	49	\$YESNO.
HTPMPH7	Heat pumps used for heating	51-	51	\$YESNO.
SLFCON7	Individual space heaters used	53-	53	\$YESNO.
STHW7	District steam or hot water piped in	55-	55	\$YESNO.
BOILER7	Boilers used	57-	57	\$YESNO.
PKGHT7	Packaged heating units used	59-	59	\$YESNO.
OTHTEQ7	Some other heating equipment used	61-	61	\$YESNO.
FURNP7	Percent heated by furnace	63-	65	MISS3CH.
HTPHP7	Percent heated by heat pump	67-	69	MISS3CH.
SLFCNP7	Percent heated by indiv. space heaters	71-	73	MISS3CH.
STHWP7	Percent heated by dist. steam/hot water	75-	77	MISS3CH.
BOILP7	Percent heated by boiler	79-	81	MISS3CH.
PKGHP7	Percent heated by packaged heating	83-	85	MISS3CH.
OTHTP7	Percent heated by other heating equip.	87-	89	MISS3CH.
MAINHT7	Main heating equipment	91-	92	\$HTEQP.
NWHTEQ7	Main heating equip. replaced since 1995	94-	94	\$YESNO.
RDHTNF7	Reduce heating during off hours	96-	96	\$YESNO.
COOLP7	Percent cooled in 1999	98-	100	MISS3CH.
RCAC7	Central a/c used	102-	102	\$YESNO.
HTPMPC7	Heat pumps used for cooling	104-	104	\$YESNO.
ACWNWL7	Individual window or wall a/c used	106-	106	\$YESNO.
CHWT7	District chilled water piped in	108-	108	\$YESNO.
CHILLR7	Central chillers used	110-	110	\$YESNO.
PKGCL7	Packaged cooling units used	112-	112	\$YESNO.
EVAPCL7	Evaporative (or swamp) coolers used	114-	114	\$YESNO.
OTCLEQ7	Some other equipment used for cooling	116-	116	\$YESNO.
RCACP7	Percent cooled by central a/c	118-	120	MISS3CH.
HTPCP7	Percent cooled by heat pump	122-		MISS3CH.
ACWNWP7	Percent cooled by individual room a/c	126-	128	MISS3CH.
CHWTP7	Percent cooled by district hot water	130-	132	MISS3CH.
CHILP7	Percent cooled by central chillers	134-	136	MISS3CH.
PKGCP7	Percent cooled by packaged a/c	138-	140	MISS3CH.
EVAPP7	Percent cooled by swamp coolers	142-	144	MISS3CH.
OTCLP7	Percent cooled by other cooling equipmen	146-	148	MISS3CH.
MAINCL7	Main cooling equipment	150-	151	\$CLEQP.
NWCLEQ7	Main cooling equip. replaced since 1995	153-	153	\$YESNO.
RDCLNF7	Reduce cooling during off hours	155-	155	\$YESNO.
VAV7	Variable air volume (VAV) system	157-	157	\$YESNO.

#### (File 3 continued)

<u>Variable Name</u>	Variable Description	Position	<u>Format</u>
ECN7	Economizer cycle	159- 159	\$YESNO.
MAINT7	Regular preventive maintenance program	161- 161	\$YESNO.
EMCS7	Energy management and control system	163- 163	\$YESNO.
ADJWT7	Adjusted weight	165- 172	
PAIR7	Pair member	174- 174	
STRATUM7	Variance stratum	176- 177	

## Layout for File 4: Water Heating, Refrigeration, and Office Equipment; and Special Space Uses

PUBID7	<u>Variable Name</u>	Variable Description	Posi	<u>ition</u>	<u>Format</u>
REGION7         Census region         7- 7         \$REGION.           CENDIV7         Census division         9- 9         \$CENDIV.           SQFT7         Square footage         11- 20         MISSIOCH.           SQFT6         Square footage category         22- 23         \$SQFTCAT.           YRCONC7         Year of construction category         25- 26         \$YEARCAT.           PBA7         Principal building activity         28- 29         \$PBA.           ELUSED7         Electricity used in 1999         31- 31         \$YESNO.           NGUSED7         Natural gas used in 1999         33- 33         \$YESNO.           FKUSED7         Fuel oil used in 1999         35- 35         \$YESNO.           FKUSED7         Propane used in 1999         37- 37         \$YESNO.           STUSED7         District steam used in 1999         39- 39         \$YESNO.           HWISED7         District hot water used in 1999         41- 41         \$YESNO.           WHTHEQ7         Type of water heating equipment         43- 43         \$WATREQP.           FDRM7         Space for commercial food preparation         45- 45         \$YESNO.           MEDEQ7         Equip. for medical diagnosis/treatment         49- 49         \$YESNO.	PIIRTN7	Ruilding identifier	1 –	5	
CENDIV7         Census division         9-         9         \$CENDIV.           SQFT7         Square footage         11-         20         MISSIOCH.           SQFTC7         Square footage category         22-         23         \$SQFTCAT.           YRCONC7         Year of construction category         25-         26         \$YEARCAT.           PBA7         Principal building activity         28-         29         \$PEA.           ELUSED7         Electricity used in 1999         31-         31         \$YESNO.           FKUSED7         Natural gas used in 1999         33-         33         \$YESNO.           FKUSED7         Fuel oil used in 1999         37-         37         \$YESNO.           FKUSED7         Propane used in 1999         37-         37         \$YESNO.           FKUSED7         District steam used in 1999         39-         39         \$YESNO.           STUSED7         District hot water used in 1999         41-         41         \$YESNO.           WTHTEQ7         Type of water heating equipment         43-         43         \$WATREQF.           FDRM7         Space used requiring much hot water         47-         47         \$YESNO.           MEDEQP7         Equip. for medic	-		_	-	SREGION
SQFT7         Square footage         11- 20         MISS10CH.           SQFTC7         Square footage category         22- 23         \$SQFTCAT.           YRCONC7         Year of construction category         25- 26         \$YEARCAT.           PBA7         Principal building activity         28- 29         \$PEA.           ELUSED7         Electricity used in 1999         31- 31         \$YESNO.           NGUSED7         Fuel oil used in 1999         35- 35         \$YESNO.           FKUSED7         Frel oil used in 1999         37- 37         \$YESNO.           PRUSED7         Propane used in 1999         37- 37         \$YESNO.           STUSED7         District steam used in 1999         41- 41         \$YESNO.           WHWISED7         Type of water heating equipment         43- 43         \$WATREQP.           FDRM7         Space for commercial food preparation         45- 45         \$YESNO.           HWTRM7         Space used requiring much hot water         47- 47         \$YESNO.           MEDEQP7         Commercial refrigeration/freezer equip.         51- 51         \$YESNO.           RFGEQP7         Commercial refrigeration units         53- 53         \$YESNO.           RFGGIN7         Number of walk-in refrigeration units         55- 58			-	•	
SQFTC7 Square footage category 22- 23 \$SQFTCAT. YRCONC7 Year of construction category 25- 26 \$YEARCAT. PBA7 Principal building activity 28- 29 \$PBA. ELUSED7 Electricity used in 1999 31- 31 \$YESNO. NGUSED7 Natural gas used in 1999 33- 35 \$YESNO. PKUSED7 Fuel oil used in 1999 35- 35 \$YESNO. PKUSED7 Propane used in 1999 37- 37 \$YESNO. PRUSED7 Propane used in 1999 39- 39 \$YESNO. PRUSED7 District steam used in 1999 39- 39 \$YESNO. PKUSED7 District steam used in 1999 41- 41 \$YESNO. PKUSED7 District hot water used in 1999 41- 41 \$YESNO. PKUSED7 District hot water used in 1999 41- 41 \$YESNO. PKUSED7 District hot water used in 1999 41- 41 \$YESNO. PKUSED7 Type of water heating equipment 43- 43 \$WATREQP. PKUSED7 Type of water heating equipment 45- 45 \$YESNO. PKURM7 Space used requiring much hot water 47- 47 \$YESNO. PKURM7 Space used requiring much hot water 47- 47 \$YESNO. PKURM7 Space used requiring much hot water 49- 49 \$YESNO. PKING WALK-in refrigeration/freezer equip. Find \$15- 51 \$YESNO. PKING WALK-in refrigeration units 53- 53 \$YESNO. PKING WALK-in refrigeration units 53- 53 \$YESNO. PKING WALK-in refrigerated cases or cabinets 60- 60 \$YESNO. PKING WALK-in refrigerated cases/cabinets 60- 60 \$YESNO. PKING WALK-in refrigerated cases/cabinets 60- 60 \$YESNO. PKING WALK-in refrigerated cases/cabinets 60- 65 MISSACH. PKING WALK-in refrigerated cases/cabinets 62- 65 MISSACH. PKING WALK-in refrigerated cases/cabinets 62- 65 MISSACH. PKING WALK-in refrigerated cases/cabinets 69- 72 MISSACH. PKING WALK-in refrigerate			_	-	
YRCONC7 Year of construction category 25- 26 SYEARCAT. PBA7 Principal building activity 28- 29 SPBA. ELUSED7 Electricity used in 1999 31- 31 SYESNO. NGUSED7 Natural gas used in 1999 33- 35 SYESNO. FKUSED7 Fuel oil used in 1999 35- 35 SYESNO. FKUSED7 Propane used in 1999 37- 37 SYESNO. STUSED7 District steam used in 1999 39- 39 SYESNO. WINDED7 District steam used in 1999 41- 41 SYESNO. WINDED7 District hot water used in 1999 41- 41 SYESNO. WINDED7 District hot water used in 1999 41- 41 SYESNO. WINDED7 District hot water used in 1999 41- 41 SYESNO. WINDED7 District hot water used in 1999 41- 41 SYESNO. WINDED7 District hot water used in 1999 41- 41 SYESNO. WINDED7 District hot water used in 1999 41- 41 SYESNO. WINDED7 District hot water used in 1999 41- 41 SYESNO. WINDED7 District hot water used in 1999 41- 41 SYESNO. WINDED7 District hot water used in 1999 41- 41 SYESNO. WINDED7 District hot water used in 1999 41- 41 SYESNO. WINDED7 District hot water used 47- 47 SYESNO. WINDED7 District hot water used 47- 47 SYESNO. REGOP7 Equip. for medical diagnosis/treatment 49- 49 SYESNO. REGOP7 Commercial refrigeration/freezer equip. 51- 51 SYESNO. REGOP7 Walk-in refrigeration units 53- 53 SYESNO. REGOP7 Open refrigerated cases or cabinets 60- 60 SYESNO. REGOP7 Open refrigerated cases or cabinets 60- 60 SYESNO. REGOP7 Open refrigerated cases/cabinets 60- 60 SYESNO. REGCLY Closed refrigerated cases/cabinets 60- 67 SYESNO. REGCLY Closed refrigerated cases/cabinets 60- 67 SYESNO. REGCLY Closed refrigerated cases/cabinets 60- 67 SYESNO. REGCLY Number of computers used 74- 74 SYESNO. PCNUM7 Number of computers used 74- 74 SYESNO. PCNUM7 Number of computers category 85- 86 SPCCAT. FAX7 FAX machines used 90- 90 SYESNO. PRINTR7 Laser printers used 90- 90 SYESNO. PRINTR7 Adjusted weight 100- 100 SEQPOFF.	~	1 2			
PBA7 Principal building activity 28- 29 SPBA.  ELUSED7 Electricity used in 1999 31- 31 SYESNO.  NGUSED7 Natural gas used in 1999 35- 35 SYESNO.  FKUSED7 Fuel oil used in 1999 35- 35 SYESNO.  FRUSED7 Propane used in 1999 37- 37 SYESNO.  STUSED7 District steam used in 1999 39- 39 SYESNO.  HWUSED7 District hot water used in 1999 41- 41 SYESNO.  WITHTEQ7 Type of water heating equipment 43- 43 SWATREQP.  FFDRM7 Space for commercial food preparation 45- 45 SYESNO.  HWTRM7 Space used requiring much hot water 47- 47 SYESNO.  MEDEQP7 Equip. for medical diagnosis/treatment 49- 49 SYESNO.  RFGEQP7 Commercial refrigeration/freezer equip.  FFGMI7 Walk-in refrigeration units 53- 53 SYESNO.  RFGWI7 Walk-in refrigeration units 55- 58 MISS4CH.  RFGOP7 Open refrigerated cases or cabinets 60- 60 SYESNO.  RFGOP7 Open refrigerated cases/cabinets 62- 65 MISS4CH.  RFGCL7 Closed refrigerated cases/cabinets 67- 67 SYESNO.  RFGCL7 Closed refrigerated cases/cabinets 69- 72 MISS4CH.  PCTERM7 Computers used 74- 74 SYESNO.  PCTERM7 Number of computers used 74- 74 SYESNO.  PCTERM7 Computers used 76- 83 MISS8CH.  PCTERM7 Computers used 76- 83 MISS8CH.  PCTERM7 Computers used 76- 83 MISS8CH.  PCTERM7 FAX machines used 88- 88 SYESNO.  PCNUM7 Number of computers category 85- 86 SPCCAT.  FAX7 FAX machines used 90- 90 SYESNO.  PRINTR7 Laser printers used 90- 90 SYESNO.  PRINTR7 Laser printers used 92- 92 SYESNO.  PRINTR7 Laser printers used 94- 98 MISS5CH.  RDOFEQ7 How often PCs/office equip. turned off 100- 100 \$EQPOFF.  PADJW77 Adjusted weight 102- 109  PAIR7 Pair member 111- 111					
ELUSED7 Electricity used in 1999 31- 31 \$YESNO.  NGUSED7 Natural gas used in 1999 33- 33 \$YESNO.  FKUSED7 Fuel oil used in 1999 35- 35 \$YESNO.  STUSED7 Propane used in 1999 37- 37 \$YESNO.  STUSED7 District steam used in 1999 39- 39 \$YESNO.  HWUSED7 District hot water used in 1999 41- 41 \$YESNO.  WHITEQ7 Type of water heating equipment 43- 43 \$WATREQP.  FDRM7 Space for commercial food preparation 45- 45 \$YESNO.  MEDEQP7 Equip. for medical diagnosis/treatment 49- 49 \$YESNO.  MEDEQP7 Equip. for medical diagnosis/treatment 49- 49 \$YESNO.  RFGEQP7 Commercial refrigeration/freezer equip. 51- 51 \$YESNO.  RFGW17 Walk-in refrigeration units 53- 53 \$YESNO.  RFGW17 Number of walk-in refrigeration units 55- 58 MISS4CH.  RFGOP7 Open refrigerated cases or cabinets 60- 60 \$YESNO.  RFGOPN7 Number open refrigerated cases/cabinets 62- 65 MISS4CH.  RFGCL7 Closed refrigerated cases or cabinets 67- 67 \$YESNO.  RFGCLN7 Number closed refrig. cases/cabinets 69- 72 MISS4CH.  PCTERM7 Computers used 74- 74 \$YESNO.  PCTERM7 Computers used 76- 83 MISS8CH.  PCTERM7 Computers used 76- 83 MISS8CH.  PCTERM7 PONUMP Number of computers category 85- 86 \$PCCAT.  FAX7 FAX machines used 90- 90 \$YESNO.  PRINTR7 Laser printers used 90- 90 \$YESNO.  PRINTR7 Laser printers used 92- 92 \$YESNO.  PRINTR7 Laser printers used 94- 98 MISS5CH.  RDOFEQ7 How often PCS/office equip. turned off 100- 100 \$EQPOFF.  PAIR7 Pair member 111- 111					
NGUSED7 Natural gas used in 1999 33- 33 \$YESNO. FKUSED7 Fuel oil used in 1999 35- 35 \$YESNO. PRUSED7 Propane used in 1999 37- 37 \$YESNO. STUSED7 District steam used in 1999 39- 39 \$YESNO. HWUSED7 District hot water used in 1999 41- 41 \$YESNO. WTHTEQ7 Type of water heating equipment 43- 43 \$WATREQP. FDRM7 Space for commercial food preparation 45- 45 \$YESNO. HWTRM7 Space used requiring much hot water 47- 47 \$YESNO. MEDEQP7 Equip. for medical diagnosis/treatment 49- 49 \$YESNO. RFGEQP7 Commercial refrigeration/freezer equip. FFGWI7 Walk-in refrigeration units 53- 53 \$YESNO. RFGWIN7 Number of walk-in refrigeration units 55- 58 MISSACH. RFGOP7 Open refrigerated cases or cabinets 60- 60 \$YESNO. RFGOPN7 Number open refrigerated cases/cabinets 62- 65 MISSACH. RFGCLN7 Number open refrigerated cases/cabinets 67- 67 \$YESNO. RFGCLN7 Number closed refrig. cases/cabinets 69- 72 MISSACH. PCTERM7 Computers used 74- 74 \$YESNO. PCNUM7 Number of computers used 76- 83 MISSBCH. PCTRMC7 Number of computers category 85- 86 \$PCCAT. PCTRMC7 Number of computers category 85- 86 \$PCCAT. PCTRMC7 Number of computers category 85- 86 \$PCCAT. PCTRMC7 Photocopiers used 90- 90 \$YESNO. PRINTR7 Laser printers used 90- 90 \$YESNO. PRINTR7 Laser printers used 94- 98 MISSSCH. PCOPER7 Photocopiers used 94- 98 MISSSCH. PDOFEQ7 How often PCs/office equip. turned off 100- 100 \$EQPOFF. ADJWT7 Adjusted weight 102- 109 PAIR7 Pair member 111- 111					
FKUSED7 Fuel oil used in 1999 35- 35 \$YESNO.  PRUSED7 Propane used in 1999 37- 37 \$YESNO.  STUSED7 District steam used in 1999 39- 39 \$YESNO.  HUSED7 District hot water used in 1999 41- 41 \$YESNO.  WITHTEQ7 Type of water heating equipment 43- 43 \$WATREQP.  FDRM7 Space for commercial food preparation 45- 45 \$YESNO.  HWTRM7 Space used requiring much hot water 47- 47 \$YESNO.  MEDEQP7 Equip. for medical diagnosis/treatment 49- 49 \$YESNO.  REGEQP7 Commercial refrigeration/freezer equip. 51- 51 \$YESNO.  RFGW17 Walk-in refrigeration units 53- 53 \$YESNO.  RFGW17 Number of walk-in refrigeration units 55- 58 MISS4CH.  RFGOP7 Open refrigerated cases or cabinets 60- 60 \$YESNO.  RFGOPN7 Number open refrigerated cases/cabinets 62- 65 MISS4CH.  RFGCL7 Closed refrigerated cases or cabinets 67- 67 \$YESNO.  RFGCLN7 Number closed refrig. cases/cabinets 69- 72 MISS4CH.  PCTERM7 Computers used 74- 74 \$YESNO.  PCTRMC7 Number of computers used 76- 83 MISS8CH.  PCTRMC7 Number of computers used 88- 88 \$YESNO.  PRINTR7 Laser printers used 90- 90 \$YESNO.  PRINTR7 Laser printers used 92- 92 \$YESNO.  PRINTR7 Laser printers used 92- 92 \$YESNO.  PRINTR7 Laser printers used 92- 92 \$YESNO.  PRINTR7 Laser printers used 94- 98 MISS5CH.  RDOFEQ7 How often PCS/office equip. turned off 100- 100 \$EQPOFF.  ADJWT7 Adjusted weight 102- 109  PAIR7 Pair member 1111- 111			_		•
PRUSED7 Propane used in 1999 37- 37 \$YESNO. STUSED7 District steam used in 1999 39- 39 \$YESNO. HWUSED7 District hot water used in 1999 41- 41 \$YESNO. WTHTEQ7 Type of water heating equipment 43- 43 \$WATREQP. FDRM7 Space for commercial food preparation 45- 45 \$YESNO. HWTRM7 Space used requiring much hot water 47- 47 \$YESNO. MEDEQP7 Equip. for medical diagnosis/treatment 49- 49 \$YESNO. RFGEQP7 Commercial refrigeration/freezer equip. 51- 51 \$YESNO. RFGWI7 Walk-in refrigeration units 53- 53 \$YESNO. RFGWIN7 Number of walk-in refrigeration units 55- 58 MISS4CH. RFGOP7 Open refrigerated cases or cabinets 60- 60 \$YESNO. RFGOPN7 Number open refrigerated cases/cabinets 62- 65 MISS4CH. RFGCLN7 Closed refrigerated cases or cabinets 67- 67 \$YESNO. RFGCLN7 Number closed refrig. cases/cabinets 69- 72 MISS4CH. PCTERM7 Computers used 74- 74 \$YESNO. PCTERM7 Computers used 76- 83 MISS8CH. PCTRMC7 Number of computers used 76- 83 MISS8CH. PCTRMC7 Number of computers category 85- 86 \$PCCAT. FAX7 FAX machines used 88- 88 \$YESNO. COPIER7 Photocopiers used 90- 90 \$YESNO. PRINTR7 Laser printers used 92- 92 \$YESNO. PRINTR7 Laser printers used 94- 98 MISS5CH. RDOFEQ7 How often PCS/office equip. turned off 100- 100 \$EQPOFF. ADJWT7 Adjusted weight 102- 109 PAIR7 Pair member 1111- 111					
STUSED7 District steam used in 1999 39- 39 \$YESNO.  HWUSED7 District hot water used in 1999 41- 41 \$YESNO.  WTHTEQ7 Type of water heating equipment 43- 43 \$WATREQP.  FDRM7 Space for commercial food preparation 45- 45 \$YESNO.  HWTRM7 Space used requiring much hot water 47- 47 \$YESNO.  REDEQP7 Equip. for medical diagnosis/treatment 49- 49 \$YESNO.  RFGEQP7 Commercial refrigeration/freezer equip. 51- 51 \$YESNO.  RFGWIN7 Walk-in refrigeration units 53- 53 \$YESNO.  RFGWIN7 Number of walk-in refrigeration units 55- 58 MISS4CH.  RFGOP7 Open refrigerated cases or cabinets 60- 60 \$YESNO.  RFGCLN7 Number open refrigerated cases/cabinets 62- 65 MISS4CH.  RFGCL7 Closed refrigerated cases or cabinets 67- 67 \$YESNO.  RFGCLN7 Number closed refrig. cases/cabinets 69- 72 MISS4CH.  PCTERM7 Computers used 74- 74 \$YESNO.  PCNUM7 Number of computers used 74- 74 \$YESNO.  PCNUM7 Number of computers used 76- 83 MISS8CH.  PCTRMC7 Number of computers used 76- 83 MISS8CH.  PCTRMC7 Number of photocopiers used 90- 90 \$YESNO.  PRINTR7 Laser printers used 90- 90 \$YESNO.  PRINTR7 Laser printers used 92- 92 \$YESNO.  COPPER7 Photocopiers used 94- 98 MISS5CH.  RDOFEQ7 How often PCS/office equip. turned off 100- 100 \$EQPOFF.  ADJWT7 Adjusted weight 102- 109  PAIR7 Pair member 111- 111					
HWUSED7 District hot water used in 1999 41- 41 \$YESNO. WTHTEQ7 Type of water heating equipment 43- 43 \$WATREQP. FDRM7 Space for commercial food preparation 45- 45 \$YESNO. HWTRM7 Space used requiring much hot water 47- 47 \$YESNO. MEDEQP7 Equip. for medical diagnosis/treatment 49- 49 \$YESNO. RFGEQP7 Commercial refrigeration/freezer equip. 51- 51 \$YESNO. RFGWI7 Walk-in refrigeration units 53- 53 \$YESNO. RFGWIN7 Number of walk-in refrigeration units 55- 58 MISS4CH. RFGOP7 Open refrigerated cases or cabinets 60- 60 \$YESNO. RFGCL7 Closed refrigerated cases/cabinets 62- 65 MISS4CH. RFGCL7 Closed refrigerated cases/cabinets 67- 67 \$YESNO. RFGCLN7 Number closed refrig. cases/cabinets 69- 72 MISS4CH. PCTERM7 Computers used 74- 74 \$YESNO. PCNUM7 Number of computers used 74- 74 \$YESNO. PCTRMC7 Number of computers category 85- 86 \$PCCAT. FAX7 FAX machines used 88- 88 \$YESNO. PCTERT7 Photocopiers used 90- 90 \$YESNO. PRINTR7 Laser printers used 92- 92 \$YESNO. COPIER7 Photocopiers used 94- 98 MISS5CH. RDOFEQ7 How often PCS/office equip. turned off 100- 100 \$EQPOFF. ADJWT7 Adjusted weight 102- 109 PAIR7 Pair member 111- 111		<u>-</u>	39-	-	
WTHTEQ7 Type of water heating equipment 43- 43 \$WATREQP. FDRM7 Space for commercial food preparation 45- 45 \$YESNO. HWTRM7 Space used requiring much hot water 47- 47 \$YESNO. MEDEQP7 Equip. for medical diagnosis/treatment 49- 49 \$YESNO. RFGEQP7 Commercial refrigeration/freezer equip. 51- 51 \$YESNO. RFGWI7 Walk-in refrigeration units 53- 53 \$YESNO. RFGWIN7 Number of walk-in refrigeration units 55- 58 MISS4CH. RFGOP7 Open refrigerated cases or cabinets 60- 60 \$YESNO. RFGOPN7 Number open refrigerated cases/cabinets 62- 65 MISS4CH. RFGCL7 Closed refrigerated cases/cabinets 62- 65 MISS4CH. RFGCLN7 Number closed refrig. cases/cabinets 69- 72 MISS4CH. PCTERM7 Computers used 74- 74 \$YESNO. PCNUM7 Number of computers used 76- 83 MISS8CH. PCTRMC7 Number of computers category 85- 86 \$PCCAT. FAX7 FAX machines used 90- 90 \$YESNO. PRINTR7 Laser printers used 92- 92 \$YESNO. PRINTR7 Laser printers used 92- 92 \$YESNO. RDOFEQ7 How often PCS/office equip. turned off 100- 100 \$EQPOFF. ADJWT7 Adjusted weight 102- 109 PAIR7 Pair member 111- 111					•
FDRM7 Space for commercial food preparation 45- 45 \$YESNO. HWTRM7 Space used requiring much hot water 47- 47 \$YESNO. MEDEQP7 Equip. for medical diagnosis/treatment 49- 49 \$YESNO. RFGEQP7 Commercial refrigeration/freezer equip. 51- 51 \$YESNO. RFGWI7 Walk-in refrigeration units 53- 53 \$YESNO. RFGWI7 Number of walk-in refrigeration units 55- 58 MISS4CH. RFGOP7 Open refrigerated cases or cabinets 60- 60 \$YESNO. RFGOP7 Number open refrigerated cases/cabinets 62- 65 MISS4CH. RFGCL7 Closed refrigerated cases or cabinets 67- 67 \$YESNO. RFGCLN7 Number closed refrig. cases/cabinets 69- 72 MISS4CH. PCTERM7 Computers used 74- 74 \$YESNO. PCTERM7 Computers used 74- 74 \$YESNO. PCTRMC7 Number of computers used 76- 83 MISS8CH. PCTRMC7 Number of computers category 85- 86 \$PCCAT. FAX7 FAX machines used 90- 90 \$YESNO. PRINTR7 Laser printers used 90- 90 \$YESNO. PRINTR7 Laser printers used 94- 98 MISS5CH. RDOFEQ7 How often PCS/office equip. turned off 100- 100 \$EQPOFF. ADJWT7 Adjusted weight 102- 109 PAIR7 Pair member 111- 111					•
HWTRM7 Space used requiring much hot water 47- 47 \$YESNO.  MEDEQP7 Equip. for medical diagnosis/treatment 49- 49 \$YESNO.  RFGEQP7 Commercial refrigeration/freezer equip. 51- 51 \$YESNO.  RFGWI7 Walk-in refrigeration units 53- 53 \$YESNO.  RFGWIN7 Number of walk-in refrigeration units 55- 58 MISS4CH.  RFGOP7 Open refrigerated cases or cabinets 60- 60 \$YESNO.  RFGOPN7 Number open refrigerated cases/cabinets 62- 65 MISS4CH.  RFGCL7 Closed refrigerated cases or cabinets 67- 67 \$YESNO.  RFGCLN7 Number closed refrig. cases/cabinets 69- 72 MISS4CH.  PCTERM7 Computers used 74- 74 \$YESNO.  PCNUM7 Number of computers used 76- 83 MISS8CH.  PCTRMC7 Number of computers category 85- 86 \$PCCAT.  FAX7 FAX machines used 90- 90 \$YESNO.  PRINTR7 Laser printers used 92- 92 \$YESNO.  PRINTR7 Laser printers used 92- 92 \$YESNO.  COPRN7 Number of photocopiers used 94- 98 MISS5CH.  RDOFEQ7 How often PCs/office equip. turned off 100- 100 \$EQPOFF.  ADJWT7 Adjusted weight 102- 109  PAIR7 Pair member 111- 111	~				. ~
MEDEQP7 Equip. for medical diagnosis/treatment 49- 49 \$YESNO.  RFGEQP7 Commercial refrigeration/freezer equip. 51- 51 \$YESNO.  RFGWI7 Walk-in refrigeration units 53- 53 \$YESNO.  RFGWIN7 Number of walk-in refrigeration units 55- 58 MISS4CH.  RFGOP7 Open refrigerated cases or cabinets 60- 60 \$YESNO.  RFGOPN7 Number open refrigerated cases/cabinets 62- 65 MISS4CH.  RFGCL7 Closed refrigerated cases or cabinets 67- 67 \$YESNO.  RFGCLN7 Number closed refrig. cases/cabinets 69- 72 MISS4CH.  PCTERM7 Computers used 74- 74 \$YESNO.  PCNUM7 Number of computers used 76- 83 MISS8CH.  PCTRMC7 Number of computers category 85- 86 \$PCCAT.  FAX7 FAX machines used 90- 90 \$YESNO.  COPIER7 Photocopiers used 90- 90 \$YESNO.  PRINTR7 Laser printers used 92- 92 \$YESNO.  COPRN7 Number of photocopiers used 94- 98 MISS5CH.  RDOFEQ7 How often PCS/office equip. turned off 100- 100 \$EQPOFF.  ADJWT7 Adjusted weight 102- 109  PAIR7 Pair member 111- 111					•
RFGEQP7 Commercial refrigeration/freezer equip. 51- 51 \$YESNO. RFGWI7 Walk-in refrigeration units 53- 53 \$YESNO. RFGWIN7 Number of walk-in refrigeration units 55- 58 MISSACH. RFGOP7 Open refrigerated cases or cabinets 60- 60 \$YESNO. RFGOPN7 Number open refrigerated cases/cabinets 62- 65 MISSACH. RFGCL7 Closed refrigerated cases or cabinets 67- 67 \$YESNO. RFGCLN7 Number closed refrig. cases/cabinets 69- 72 MISSACH. PCTERM7 Computers used 74- 74 \$YESNO. PCNUM7 Number of computers used 74- 74 \$YESNO. PCTRMC7 Number of computers category 85- 86 \$PCCAT. FAX7 FAX machines used 90- 90 \$YESNO. COPIER7 Photocopiers used 90- 90 \$YESNO. PRINTR7 Laser printers used 92- 92 \$YESNO. COPRN7 Number of photocopiers used 94- 98 MISS5CH. RDOFEQ7 How often PCS/office equip. turned off 100- 100 \$EQPOFF. ADJWT7 Adjusted weight 102- 109 PAIR7 Pair member 111- 111	MEDEOP7		49-		\$YESNO.
RFGWI7 Walk-in refrigeration units 53- 53 \$YESNO. RFGWIN7 Number of walk-in refrigeration units 55- 58 MISS4CH. RFGOP7 Open refrigerated cases or cabinets 60- 60 \$YESNO. RFGOPN7 Number open refrigerated cases/cabinets 62- 65 MISS4CH. RFGCL7 Closed refrigerated cases or cabinets 67- 67 \$YESNO. RFGCLN7 Number closed refrig. cases/cabinets 69- 72 MISS4CH. PCTERM7 Computers used 74- 74 \$YESNO. PCNUM7 Number of computers used 76- 83 MISS8CH. PCTRMC7 Number of computers category 85- 86 \$PCCAT. FAX7 FAX machines used 90- 90 \$YESNO. COPIER7 Photocopiers used 90- 90 \$YESNO. PRINTR7 Laser printers used 92- 92 \$YESNO. COPRN7 Number of photocopiers used 94- 98 MISS5CH. RDOFEQ7 How often PCS/office equip. turned off 100- 100 \$EQPOFF. ADJWT7 Adjusted weight 102- 109 PAIR7 Pair member 111- 111	<del>-</del>		51-	51	\$YESNO.
RFGWIN7 Number of walk-in refrigeration units 55- 58 MISS4CH. RFGOP7 Open refrigerated cases or cabinets 60- 60 \$YESNO. RFGOPN7 Number open refrigerated cases/cabinets 62- 65 MISS4CH. RFGCL7 Closed refrigerated cases or cabinets 67- 67 \$YESNO. RFGCLN7 Number closed refrig. cases/cabinets 69- 72 MISS4CH. PCTERM7 Computers used 74- 74 \$YESNO. PCNUM7 Number of computers used 76- 83 MISS8CH. PCTRMC7 Number of computers category 85- 86 \$PCCAT. FAX7 FAX machines used 88- 88 \$YESNO. COPIER7 Photocopiers used 90- 90 \$YESNO. PRINTR7 Laser printers used 92- 92 \$YESNO. COPRN7 Number of photocopiers used 94- 98 MISS5CH. RDOFEQ7 How often PCs/office equip. turned off 100- 100 \$EQPOFF. ADJWT7 Adjusted weight 102- 109 PAIR7 Pair member 111- 111	~		53-		\$YESNO.
RFGOP7 Open refrigerated cases or cabinets 60- 60 \$YESNO. RFGOPN7 Number open refrigerated cases/cabinets 62- 65 MISS4CH. RFGCL7 Closed refrigerated cases or cabinets 67- 67 \$YESNO. RFGCLN7 Number closed refrig. cases/cabinets 69- 72 MISS4CH. PCTERM7 Computers used 74- 74 \$YESNO. PCNUM7 Number of computers used 76- 83 MISS8CH. PCTRMC7 Number of computers category 85- 86 \$PCCAT. FAX7 FAX machines used 88- 88 \$YESNO. COPIER7 Photocopiers used 90- 90 \$YESNO. PRINTR7 Laser printers used 92- 92 \$YESNO. COPRN7 Number of photocopiers used 94- 98 MISS5CH. RDOFEQ7 How often PCs/office equip. turned off 100- 100 \$EQPOFF. ADJWT7 Adjusted weight 102- 109 PAIR7 Pair member 111- 111	RFGWIN7		55-		MISS4CH.
RFGOPN7 Number open refrigerated cases/cabinets 62- 65 MISS4CH. RFGCL7 Closed refrigerated cases or cabinets 67- 67 \$YESNO. RFGCLN7 Number closed refrig. cases/cabinets 69- 72 MISS4CH. PCTERM7 Computers used 74- 74 \$YESNO. PCNUM7 Number of computers used 76- 83 MISS8CH. PCTRMC7 Number of computers category 85- 86 \$PCCAT. FAX7 FAX machines used 88- 88 \$YESNO. COPIER7 Photocopiers used 90- 90 \$YESNO. PRINTR7 Laser printers used 92- 92 \$YESNO. COPRN7 Number of photocopiers used 94- 98 MISS5CH. RDOFEQ7 How often PCs/office equip. turned off 100- 100 \$EQPOFF. ADJWT7 PAIR7 Pair member 111- 111	RFGOP7		60-	60	\$YESNO.
RFGCL7 Closed refrigerated cases or cabinets 67- 67 \$YESNO. RFGCLN7 Number closed refrig. cases/cabinets 69- 72 MISS4CH. PCTERM7 Computers used 74- 74 \$YESNO. PCNUM7 Number of computers used 76- 83 MISS8CH. PCTRMC7 Number of computers category 85- 86 \$PCCAT. FAX7 FAX machines used 88- 88 \$YESNO. COPIER7 Photocopiers used 90- 90 \$YESNO. PRINTR7 Laser printers used 92- 92 \$YESNO. COPRN7 Number of photocopiers used 94- 98 MISS5CH. RDOFEQ7 How often PCs/office equip. turned off 100- 100 \$EQPOFF. ADJWT7 Adjusted weight 102- 109 PAIR7 Pair member 111- 111	RFGOPN7		62-	65	MISS4CH.
RFGCLN7 Number closed refrig. cases/cabinets 69- 72 MISS4CH.  PCTERM7 Computers used 74- 74 \$YESNO.  PCNUM7 Number of computers used 76- 83 MISS8CH.  PCTRMC7 Number of computers category 85- 86 \$PCCAT.  FAX7 FAX machines used 88- 88 \$YESNO.  COPIER7 Photocopiers used 90- 90 \$YESNO.  PRINTR7 Laser printers used 92- 92 \$YESNO.  COPRN7 Number of photocopiers used 94- 98 MISS5CH.  RDOFEQ7 How often PCs/office equip. turned off 100- 100 \$EQPOFF.  ADJWT7 Adjusted weight 102- 109  PAIR7 Pair member 111- 111	RFGCL7		67-	67	\$YESNO.
PCTERM7 Computers used 74- 74 \$YESNO. PCNUM7 Number of computers used 76- 83 MISS8CH. PCTRMC7 Number of computers category 85- 86 \$PCCAT. FAX7 FAX machines used 88- 88 \$YESNO. COPIER7 Photocopiers used 90- 90 \$YESNO. PRINTR7 Laser printers used 92- 92 \$YESNO. COPRN7 Number of photocopiers used 94- 98 MISS5CH. RDOFEQ7 How often PCs/office equip. turned off 100- 100 \$EQPOFF. ADJWT7 Adjusted weight 102- 109 PAIR7 Pair member 111- 111	RFGCLN7		69-	72	MISS4CH.
PCTRMC7 Number of computers category 85-86 \$PCCAT.  FAX7 FAX machines used 88-88 \$YESNO.  COPIER7 Photocopiers used 90-90 \$YESNO.  PRINTR7 Laser printers used 92-92 \$YESNO.  COPRN7 Number of photocopiers used 94-98 MISS5CH.  RDOFEQ7 How often PCs/office equip. turned off 100-100 \$EQPOFF.  ADJWT7 Adjusted weight 102-109  PAIR7 Pair member 111-111	PCTERM7	<del>_</del>	74-	74	\$YESNO.
PCTRMC7 Number of computers category 85- 86 \$PCCAT.  FAX7 FAX machines used 88- 88 \$YESNO.  COPIER7 Photocopiers used 90- 90 \$YESNO.  PRINTR7 Laser printers used 92- 92 \$YESNO.  COPRN7 Number of photocopiers used 94- 98 MISS5CH.  RDOFEQ7 How often PCs/office equip. turned off 100- 100 \$EQPOFF.  ADJWT7 Adjusted weight 102- 109  PAIR7 Pair member 111- 111	PCNUM7	Number of computers used	76-	83	MISS8CH.
COPIER7 Photocopiers used 90-90 \$YESNO. PRINTR7 Laser printers used 92-92 \$YESNO. COPRN7 Number of photocopiers used 94-98 MISS5CH. RDOFEQ7 How often PCs/office equip. turned off 100-100 \$EQPOFF. ADJWT7 Adjusted weight 102-109 PAIR7 Pair member 111-111	PCTRMC7		85-	86	\$PCCAT.
PRINTR7 Laser printers used 92- 92 \$YESNO.  COPRN7 Number of photocopiers used 94- 98 MISS5CH.  RDOFEQ7 How often PCs/office equip. turned off 100- 100 \$EQPOFF.  ADJWT7 Adjusted weight 102- 109  PAIR7 Pair member 111- 111	FAX7	FAX machines used	88-	88	\$YESNO.
COPRN7 Number of photocopiers used 94-98 MISS5CH.  RDOFEQ7 How often PCs/office equip. turned off 100-100 \$EQPOFF.  ADJWT7 Adjusted weight 102-109  PAIR7 Pair member 111-111	COPIER7	Photocopiers used	90-	90	\$YESNO.
RDOFEQ7 How often PCs/office equip. turned off 100-100 \$EQPOFF.  ADJWT7 Adjusted weight 102-109  PAIR7 Pair member 111-111	PRINTR7	Laser printers used	92-	92	\$YESNO.
ADJWT7 Adjusted weight 102- 109 PAIR7 Pair member 111- 111	COPRN7	Number of photocopiers used	94-	98	MISS5CH.
PAIR7 Pair member 111- 111	RDOFEQ7	How often PCs/office equip. turned off	100-	100	\$EQPOFF.
	ADJWT7	Adjusted weight	102-	109	
STRATUM7 Variance stratum 113- 114	PAIR7	Pair member			
	STRATUM7	Variance stratum	113-	114	

## Layout for File 5: End Uses of Major Energy Sources; Electricity Generation; and Purchasing of Electricity and Natural Gas

PUBID7	<u>Variable Name</u>	Variable Description	Posi	tion	<u>Format</u>
REGION/ CENDIV7         Census rigion         7- 7         SREGION/ SCENDIV/           SQFT7         Square footage         11- 20         MISSIOCH.           SQFT6         Square footage category         22- 23         SSQFTCAT           YECONC7         Year of construction category         25- 26         SYEARCAT,           PBA7         Principal building activity         28- 29         SPBA.           ELUSED7         Electricity used in 1999         31- 31         SYESNO.           NGUSED7         Natural gas used in 1999         35- 35         SYESNO.           FRUSED7         Fuel oil used in 1999         37- 37         SYESNO.           STUSED7         District steam used in 1999         39- 39         SYESNO.           FKTYPFD7         Fuel oil type specified as fuel oil         43- 43         SYESNO.           FKTYPFD7         Fuel oil type specified as fuel oil         43- 43         SYESNO.           FKTYPFD7         Fuel oil type specified as fuel oil         47- 47         SYESNO.           FKTYPFR7         Fuel oil type specified as fuel oil         49- 49         SYESNO.           FKTYPFR7         Fuel oil used for secondary         49- 49         SYESNO.           FKTYPFR7         Fuel oil used for main heating         51- 51 <td>PUBID7</td> <td>Building identifier</td> <td>1-</td> <td>5</td> <td></td>	PUBID7	Building identifier	1-	5	
CENDIV         Census division         9-         9         SCENDIV.           SQFTC7         Square footage         11-         20         23         \$SQFTCAT.           YRCONC7         Year of construction category         25-         26         \$YEARCAT.           PBA7         Principal building activity         28-         29         \$PEAA.           EUSED7         Natural gas used in 1999         31-         31         \$YESNO.           PKUSED7         Fuel oil used in 1999         35-         35         \$YESNO.           PKUSED7         Propane used in 1999         37-         37         \$YESNO.           PKUSED7         Propane used in 1999         39-         39         \$YESNO.           PKUSED7         Propane used in 1999         41-         41         \$YESNO.           PKTYPED7         Fuel oil type specified as fuel oil         43-         43         \$YESNO.           PKTYPED87         Fuel oil type specified as kersene         47-         47         \$YESNO.           PKTYPER87         Fuel oil type specified as kersene         47-         47         \$YESNO.           PKTYPER87         Fuel oil type specified as kersene         47-         47         \$YESNO.           PKTYPER87	REGION7		7-	7	\$REGION.
SOFTCT         Square footage category         22- 23         \$SOFTCAT.           YRCONCT         Year of construction category         25- 26         \$YEARCAT.           PBBA7         Principal building activity         28- 29         \$PEAA.           ELUSED7         Blectricity used in 1999         31- 31         \$YESNO.           FKUSED7         Fuel oil used in 1999         35- 35         \$YESNO.           FRUSED7         Propane used in 1999         37- 37         \$YESNO.           FKUSED7         District bot water used in 1999         41- 41         \$YESNO.           FKTYPD7         Fuel oil type specified as fuel oil         43- 43         \$YESNO.           FKTYPD87         Fuel oil type specified as diesel         45- 45         \$YESNO.           FKTYPD87         Fuel oil type specified as kerosene         47- 47         \$YESNO.           FKTYPKR7         Fuel oil type specified as kerosene         47- 47         \$YESNO.           FKTYPKR7         Fuel oil type specified as diesel         45- 45         \$YESNO.           FKTYPKR7         Fuel oil type specified as kerosene         47- 47         \$YESNO.           FKTYPKR7         Fuel oil type specified as diesel         45- 45         \$YESNO.           SKTYPKR7         Fuel oil type specified	CENDIV7		9-	9	\$CENDIV.
SQFTCT         Square footage category         22- 26         3 SSQFTCAT.           YRCONC7         Year of construction category         25- 26         SYEARCAT.           PBA7         Principal building activity         28- 29         SYEAN.           NGUSED7         Natural gas used in 1999         31- 31         SYESNO.           PKUSED7         Fuel oil used in 1999         35- 35         SYESNO.           PRUSED7         Propane used in 1999         39- 39         SYESNO.           PKUSED7         District bot water used in 1999         41- 41         SYESNO.           PKTYPFO7         Fuel oil type specified as fuel oil         43- 43         SYESNO.           PKTYPFO7         Fuel oil type specified as diesel         45- 45         SYESNO.           PKTYPFO7         Fuel oil type specified as kerosene         47- 47         SYESNO.           PKTYPFO7         Fuel oil type specified as kerosene         47- 47         SYESNO.           PKTYPFR7         Fuel oil type specified as kerosene         47- 47         SYESNO.           PKTYPFR7         Fuel oil type specified as kerosene         47- 47         SYESNO.           SKFTYPR7         Fuel oil type specified as kerosene         47- 57         57 SYESNO.           SKFTT17         Natural gas use	SQFT7	Square footage	11-	20	MISS10CH.
YRCONCT         Year of construction category         25- 26         SYEARCAT.           PBA7         Principal building activity         28- 29         SPPA.           BLUSED7         Electricity used in 1999         31- 31         SYESNO.           PKUSED7         Fuel oil used in 1999         35- 35         SYESNO.           PRUSED7         Propane used in 1999         37- 37         SYESNO.           STUSED7         District steam used in 1999         39- 39         SYESNO.           PKTYPD7         Pistrict tot water used in 1999         41- 41         SYESNO.           PKTYPB07         Fuel oil type specified as fuel oil         43- 43         SYESNO.           PKTYPB07         Fuel oil type specified as diesel         45- 45         SYESNO.           PKTYPB07         Fuel oil type specified as diesel         45- 45         SYESNO.           PKTYPR07         Fuel oil type specified as derosene         47- 47         SYESNO.           PKTYPR07         Fuel oil type specified as derosene         47- 47         SYESNO.           PKTYPR07         Fuel oil type specified as derosene         47- 47         SYESNO.           PKTYPR07         Fuel oil type specified as derosene         47- 47         SYESNO.           PKTYPR07         Fuel oil type speci		Square footage category	22-	23	\$SQFTCAT.
PBA	YRCONC7		25-	26	
ELUSED7         Electricity used in 1999         31- 31         \$YESNO.           NGUSED7         Natural gas used in 1999         33- 33         \$YESNO.           PKUSED7         Fuel oil used in 1999         35- 35         \$YESNO.           PRUSED7         Propane used in 1999         37- 37         \$YESNO.           HWUSED7         District steam used in 1999         41- 41         \$YESNO.           PKTYPF07         Fuel oil type specified as fuel oil         43- 43         \$YESNO.           PKTYPPS7         Fuel oil type specified as diesel         45- 45         \$YESNO.           PKTYPKR7         Fuel oil type specified as kerosene         47- 47         \$YESNO.           PKTYPKR7         Fuel oil type specified as kerosene         47- 47         \$YESNO.           PKHT17         Fuel oil used for main heating         51- 51         \$YESNO.           PKHT17         Fuel oil used for main heating         55- 55         \$YESNO.           PRHT17         Fuel oil used for main heating         57- 57         \$YESNO.           PRHT17         Fuel oil used for main heating         55- 55         \$YESNO.           PRHT17         Propane used for secondary heating         63- 63         \$YESNO.           PKHT27         Fuel oil used for secondary heating <td>PBA7</td> <td></td> <td>28-</td> <td>29</td> <td>\$PBA.</td>	PBA7		28-	29	\$PBA.
NGUSED7 Fuel oil used in 1999 35- 35 \$YESNO. FRUSED7 Propane used in 1999 35- 35 \$YESNO. STUSED7 Propane used in 1999 37- 37 \$YESNO. STUSED7 Propane used in 1999 37- 37 \$YESNO. STUSED7 District steam used in 1999 37- 39 \$YESNO. FKTYPFO7 District hot water used in 1999 41- 41 \$YESNO. FKTYPFO7 Fuel oil type specified as fuel oil 43- 43 \$YESNO. FKTYPFO7 Fuel oil type specified as diesel 45- 45 \$YESNO. FKTYPFO7 Fuel oil type specified as derosene 47- 47 \$YESNO. FKTYPFO7 Fuel oil type specified as kerosene 47- 47 \$YESNO. ABLEGEN7 Capability to generate electricity 49- 49 \$YESNO. NGHT17 Natural gas used for main heating 51- 51 \$YESNO. NGHT17 Natural gas used for main heating 53- 53 \$YESNO. FKHT17 Propane used for main heating 55- 55 \$YESNO. STHT17 Propane used for main heating 55- 55 \$YESNO. STHT17 District steam used for main heating 59- 59 \$YESNO. STHT17 District steam used for main heating 61- 61 \$YESNO. NGHT17 Natural gas used for secondary heating 61- 61 \$YESNO. NGHT27 Electricity used for secondary heating 61- 63 \$YESNO. NGHT27 Fuel oil used for secondary heating 63- 65 \$YESNO. NGHT27 Fuel oil used for secondary heating 63- 65 \$YESNO. STHT27 Fuel oil used for secondary heating 63- 65 \$YESNO. STHT27 Dist. steam used for secondary heating 63- 67 \$YESNO. STHT27 Dist. steam used for secondary heating 71- 71 \$YESNO. FKCOOL7 Fuel oil used for cooling 77- 77 \$YESNO. FKCOOL7 Fuel oil used for cooling 77- 77 \$YESNO. FKCOOL7 Fuel oil used for cooling 81- 81 \$YESNO. FKCOOL7 District steam used for cooling 85- 85 \$YESNO. FKCOOL7 District but water used for water heating 91- 91 \$YESNO. STWATR7 District steam used for water heating 91- 91 \$YESNO. FKWATR7 Propane used for water heating 93- 93 \$YESNO. STWATR7 District steam used for water heating 93- 95 \$YESNO. STWATR7 District steam used for water heating 93- 95 \$YESNO. STWATR7 District steam used for water heating 93- 95 \$YESNO. STWATR7 District steam used for cooking 101-101 \$YESNO. FKCOOK7 Fuel oil used for cooking 103-103 \$YESNO. STWATR7 District steam used for cooking 10	ELUSED7		31-	31	\$YESNO.
PRUSED7         Propane used in 1999         37- 37         SYESNO.           STUSED7         District steam used in 1999         39- 39- 39- 59.         SYESNO.           PKTYPE07         Fuel oil type specified as fuel oil         43- 43         SYESNO.           FKTYPE07         Fuel oil type specified as diesel         45- 45         SYESNO.           FKTYPER7         Fuel oil type specified as kerosene         47- 47         SYESNO.           ABLEGEN7         Capability to generate electricity         49- 49         SYESNO.           BLHT17         Electricity used for main heating         51- 51         SYESNO.           FKHTYFR7         Fuel oil used for main heating         55- 55         SYESNO.           FKHT17         Fuel oil used for main heating         51- 51         SYESNO.           FKHT17         Fruel oil used for main heating         55- 55         SYESNO.           STHT17         Propane used for main heating         57- 57         SYESNO.           STHT17         District steam used for main heating         67- 67         SYESNO.           STHT17         Dist. hot water used for main heating         61- 61         SYESNO.           NGHT27         Natural gas used for secondary heating         65- 65         SYESNO.           FKHT27	NGUSED7		33-	33	\$YESNO.
STUSED7         District steam used in 1999         39-39         SYESNO.           HWUSED7         District hot water used in 1999         41-41         41         5YESNO.           FKTYPF07         Fuel oil type specified as fuel oil         43-43         \$YESNO.           FKTYPD87         Fuel oil type specified as diesel         45-45         \$YESNO.           FKTYPKR7         Fuel oil type specified as kerosene         47-47         \$YESNO.           ELHT17         Electricity used for main heating         51-51         \$YESNO.           ELHT17         Natural gas used for main heating         51-51         \$YESNO.           FKHT17         Fuel oil used for main heating         55-55         \$YESNO.           FKHT17         Propane used for main heating         57-57         \$YESNO.           FKHT17         Propane used for main heating         59-9         \$YESNO.           FKHT17         Dist. hot water used for main heating         61-61         \$YESNO.           FKHT17         Dist. hot water used for main heating         61-61         \$YESNO.           FKHT27         Electricity used for secondary heating         63-65         \$YESNO.           FKHT27         Fuel oil used for secondary heating         69-67         \$YESNO.           FKHT27 </td <td>FKUSED7</td> <td>Fuel oil used in 1999</td> <td>35-</td> <td>35</td> <td>\$YESNO.</td>	FKUSED7	Fuel oil used in 1999	35-	35	\$YESNO.
HWUSED7 District hot water used in 1999 41- 41 \$YESNO. FKTYPFO7 Fuel oil type specified as fuel oil 43- 43 \$YESNO. FKTYPFO7 Fuel oil type specified as diesel 45- 45 \$YESNO. FKTYPKR7 Fuel oil type specified as kerosene 47- 47 \$YESNO. ABLEGEN7 Capability to generate electricity 49- 49 \$YESNO. ELHT17 Electricity used for main heating 51- 51 \$YESNO. NGHT17 Natural gas used for main heating 53- 53 \$YESNO. FKTY17 Fuel oil used for main heating 55- 55 \$YESNO. FKHT17 Propane used for main heating 55- 55 \$YESNO. STHT17 District steam used for main heating 59- 59 \$YESNO. STHT17 District steam used for main heating 61- 61 \$YESNO. ELHT27 Electricity used for secondary heating 63- 63 \$YESNO. NGHT27 Natural gas used for secondary heating 65- 65 \$YESNO. FKHT27 Fuel oil used for secondary heating 65- 65 \$YESNO. STHT27 Dist. hot water used for secondary heating 65- 65 \$YESNO. STHT27 Fuel oil used for secondary heating 65- 65 \$YESNO. STHT27 Dist. steam used for secondary heating 67- 67 \$YESNO. STHT27 Dist. hot water for secondary heating 67- 67 \$YESNO. STHT27 Dist. hot water for secondary heating 67- 67 \$YESNO. STHT27 Dist. hot water for secondary heating 71- 71 \$YESNO. STHT27 Dist. hot water for secondary heating 71- 71 \$YESNO. STHT27 Dist. hot water for secondary heating 71- 77 \$YESNO. FKCOOL7 Fuel oil used for cooling 75- 75 \$YESNO. FCCOOL7 Fuel oil used for cooling 77- 77 \$YESNO. FCCOOL7 Fuel oil used for cooling 81- 81 \$YESNO. FCCOOL7 Fuel oil used for water heating 87- 87 \$YESNO. FCCOOL7 District steam used for cooling 85- 85 \$YESNO. FCCOOL7 District steam used for water heating 87- 87 \$YESNO. FCCOOL7 District steam used for water heating 89- 89 \$YESNO. FCCOOK7 Fuel oil used for water heating 91- 91 \$YESNO. FCCOOK7 Fuel oil used for cooking 91- 91 \$YESNO. FCCOOK7 Fuel oil used for cooking 91- 91 \$YESNO. FCCOOK7 Fuel oil used for cooking 103- 103 \$YESNO. FCCOOK7 Fuel oil used for cooking 103- 103 \$YESNO. FCCOOK7 Fuel oil used for cooking 103- 107- 107 \$YESNO. FCCOOK7 Propane used for cooking 103- 107- 107 \$YESNO. FCCOOK7 Pr	PRUSED7	Propane used in 1999	37-	37	\$YESNO.
FKTYPFO7 Fuel oil type specified as fuel oil 43-43 \$YESNO. FKTYPDS7 Fuel oil type specified as diesel 45-45 \$YESNO. FKTYPKR7 Fuel oil type specified as kerosene 47-47 \$YESNO. BELETIT FERTYPKR7 Fuel oil type specified as kerosene 47-47 \$YESNO. BELETIT Capability to generate electricity 49-49 \$YESNO. BLHT17 Electricity used for main heating 51-51 \$YESNO. NGHT17 Natural gas used for main heating 51-51 \$YESNO. FKHT17 Fuel oil used for main heating 53-53 \$YESNO. FKHT17 Fuel oil used for main heating 57-57 \$YESNO. FKHT17 Propane used for main heating 57-57 \$YESNO. FKHT17 District steam used for main heating 59-59 \$YESNO. FKHT17 District steam used for main heating 61-61 \$YESNO. FKHT17 District steam used for secondary heating 63-63 \$YESNO. FKHT27 Fuel oil used for secondary heating 63-65 \$YESNO. FKHT27 Fuel oil used for secondary heating 65-65 \$YESNO. FKHT27 Fuel oil used for secondary heating 69-69 \$YESNO. FKHT27 Dist. hot water for secondary heating 69-69 \$YESNO. FKHT27 Dist. hot water for secondary heating 71-71 \$YESNO. FKHT27 Dist. hot water for secondary heating 73-73 \$YESNO. FKCOOL7 Electricity used for cooling 77-75 \$YESNO. FKCOOL7 Fuel oil used for cooling 77-77 \$YESNO. FKCOOL7 Fuel oil used for cooling 79-79 \$YESNO. FKCOOL7 Fuel oil used for cooling 81-81 \$YESNO. FKCOOL7 District steam used for cooling 81-81 \$YESNO. FKCOOL7 District steam used for cooling 81-81 \$YESNO. FKWATR7 Fuel oil used for water heating 89-89 \$YESNO. FKWATR7 Fuel oil used for water heating 91-91 \$YESNO. FKWATR7 Fuel oil used for water heating 91-91 \$YESNO. FKWATR7 Fuel oil used for water heating 91-91 \$YESNO. FKWATR7 Fuel oil used for cooking 101-101 \$YESNO. FKWATR7 District steam used for water heating 93-93 \$YESNO. FKWATR7 Fuel oil used for cooking 101-101 \$YESNO. FKCOOK7 Fuel oil used for cooking 101-101 \$YESNO. FKCOOK7 Fuel oil used for cooking 101-101 \$YESNO. FKCOOK7 Propane used for cooking 101-101 \$YESNO. FKCOOK7 District steam used for cooking 100-107 \$YESNO. FKCOOK7 District steam used for cooking 100-107 \$YESNO. FKCOOK7 Distri	STUSED7	District steam used in 1999	39-	39	\$YESNO.
FKTYPDS7 Fuel oil type specified as diesel 45- 45 \$YESNO. FKTYPKR7 Fuel oil type specified as kerosene 47- 47 \$YESNO. ABLEGEN7 Capability to generate electricity 49- 49 \$YESNO. BLHT17 Electricity used for main heating 51- 51 \$YESNO. NGHT17 Natural gas used for main heating 53- 53 \$YESNO. FKHT17 Fuel oil used for main heating 55- 55 \$YESNO. FRHT17 Propane used for main heating 57- 57 \$YESNO. STHT17 District steam used for main heating 59- 59 \$YESNO. STHT17 District steam used for main heating 61- 61 \$YESNO. STHT17 District steam used for main heating 61- 61 \$YESNO. STHT17 District steam used for secondary heating 63- 63 \$YESNO. STHT17 District steam used for secondary heating 63- 63 \$YESNO. STHT17 District steam used for secondary heating 63- 65 \$YESNO. STHT27 Fuel oil used for secondary heating 65- 65 \$YESNO. STHT27 Propane used for secondary heating 69- 69 \$YESNO. STHT27 Dist. steam used for secondary heating 69- 69 \$YESNO. STHT27 Dist. bot water for secondary heating 71- 71 \$YESNO. STHT27 Dist. hot water for secondary heating 73- 73 \$YESNO. STHT27 Dist. hot water for secondary heating 73- 73 \$YESNO. FKCOOL7 Electricity used for cooling 75- 75 \$YESNO. FKCOOL7 Fuel oil used for cooling 77- 77 \$YESNO. FKCOOL7 Fuel oil used for cooling 77- 77 \$YESNO. STCOOL7 District steam used for cooling 81- 81 \$YESNO. FKCOOL7 District bot water used for cooling 85- 85 \$YESNO. FKWATR7 Fuel oil used for water heating 87- 87 \$YESNO. FKWATR7 Fuel oil used for water heating 91- 91 \$YESNO. FKWATR7 Fuel oil used for water heating 91- 91 \$YESNO. FKWATR7 District steam used for water heating 93- 93 \$YESNO. FKWATR7 District steam used for water heating 97- 97 \$YESNO. FKWATR7 District steam used for water heating 97- 97 \$YESNO. FKWATR7 District steam used for water heating 97- 97 \$YESNO. FKWATR7 District steam used for water heating 97- 97 \$YESNO. FKWATR7 District steam used for cooking 101- 101 \$YESNO. FKWATR7 District steam used for cooking 101- 101 \$YESNO. FKWANO7 District hot water used for cooking 103- 103 \$YESNO. FKWANO7 Fuel oil u	HWUSED7	District hot water used in 1999	41-	41	\$YESNO.
FKTYPDS7 Fuel oil type specified as diesel 45- 45 \$YESNO. FKTYPKR7 Fuel oil type specified as kerosene 47- 47 \$YESNO. ABLEGEN7 Capability to generate electricity 49- 49 \$YESNO. BLHT17 Electricity used for main heating 51- 51 \$YESNO. NGHT17 Natural gas used for main heating 55- 55 \$YESNO. FKHT17 Fuel oil used for main heating 55- 55 \$YESNO. FKHT17 Fuel oil used for main heating 57- 57 \$YESNO. FKHT17 Propane used for main heating 59- 59 \$YESNO. FKHT17 District steam used for main heating 59- 59 \$YESNO. BHT17 Dist. hot water used for main heating 61- 61 \$YESNO. BLHT27 Electricity used for secondary heating 63- 63 \$YESNO. FKHT27 Fuel oil used for secondary heating 65- 65 \$YESNO. FKHT27 Fuel oil used for secondary heating 65- 67 \$YESNO. FKHT27 Fuel oil used for secondary heating 69- 69 \$YESNO. FKHT27 Dist. steam used for secondary heating 69- 69 \$YESNO. FKHT27 Dist. steam used for secondary heating 71- 71 \$YESNO. FKHT27 Dist. hot water for secondary heating 71- 71 \$YESNO. FKHT27 Dist. hot water for secondary heating 71- 71 \$YESNO. FKCOOL7 Electricity used for cooling 77- 75 \$YESNO. FKCOOL7 Fuel oil used for cooling 77- 77 \$YESNO. FKCOOL7 Fuel oil used for cooling 77- 77 \$YESNO. FKCOOL7 Propane used for cooling 77- 77 \$YESNO. FKCOOL7 District steam used for cooling 81- 81 \$YESNO. FKCOOL7 District steam used for cooling 85- 85 \$YESNO. FKMATR7 Electricity used for water heating 87- 87 \$YESNO. FKMATR7 Fuel oil used for water heating 91- 91 \$YESNO. FKMATR7 Propane used for water heating 91- 91 \$YESNO. FKMATR7 Propane used for water heating 91- 91 \$YESNO. FKMATR7 District steam used for cooking 91- 91 \$YESNO. FKMATR7 District steam used for cooking 91- 91 \$YESNO. FKMATR7 District steam used for cooking 91- 91 \$YESNO. FKMATR7 District steam used for cooking 91- 91 \$YESNO. FKMANN7 District steam used for cooking 103- 103 \$YESNO. FKMANN7 District steam used for cooking 103- 103 \$YESNO. FKMANN7 Fuel oil used for manufacturing 111- 111 \$YESNO. FKMANN7 Fuel oil used for manufacturing 111- 111 \$YESNO.	FKTYPFO7	Fuel oil type specified as fuel oil	43-	43	\$YESNO.
ABLEGEN7 Capability to generate electricity 49- 49 \$YESNO. ELHT17 Electricity used for main heating 51- 51 \$YESNO. NGHT17 Natural gas used for main heating 53- 53 \$YESNO. FKHT17 Fuel oil used for main heating 55- 55 \$YESNO. FKHT17 Propane used for main heating 55- 55 \$YESNO. FKHT17 District steam used for main heating 59- 59 \$YESNO. STHT17 District steam used for main heating 61- 61 \$YESNO. ELHT27 Electricity used for secondary heating 63- 63 \$YESNO. NGHT27 Natural gas used for secondary heating 63- 65 \$YESNO. FKHT27 Fuel oil used for secondary heating 67- 67 \$YESNO. FKHT27 Fuel oil used for secondary heating 69- 69 \$YESNO. STHT27 Dist. steam used for secondary heating 69- 69 \$YESNO. STHT27 Dist. hot water for secondary heating 71- 71 \$YESNO. ELCOOL7 Electricity used for cooling 73- 73 \$YESNO. ELCOOL7 Electricity used for cooling 73- 75 \$YESNO. FKCOOL7 Fuel oil used for cooling 77- 77 \$YESNO. FCCOOL7 Fuel oil used for cooling 77- 77 \$YESNO. FCCOOL7 District steam used for cooling 81- 81 \$YESNO. STCOOL7 District hot water used for cooling 83- 83 \$YESNO. FLWATR7 Electricity used for water heating 89- 89 \$YESNO. NGWATR7 Natural gas used for water heating 89- 89 \$YESNO. FKWARR7 Fuel oil used for water heating 91- 91 \$YESNO. FWARR7 Fuel oil used for water heating 91- 91 \$YESNO. FWARR7 District steam used for water heating 93- 93 \$YESNO. FWARR7 District steam used for water heating 93- 95 \$YESNO. FWARR7 District steam used for water heating 97- 97 \$YESNO. FWARR7 District steam used for water heating 99- 99 \$YESNO. FWARR7 District steam used for water heating 99- 99 \$YESNO. FWARR7 District steam used for cooking 99- 99 \$YESNO. FWARR7 District steam used for cooking 101- 101 \$YESNO. FWCOOK7 Propane used for cooking 103- 103 \$YESNO. FRCOOK7 Propane used for cooking 103- 103 \$YESNO. FRCOOK7 Propane used for cooking 103- 105 \$YESNO. FWCOOK7 District steam used for cooking 107- 107 \$YESNO. FWCOOK7 District steam used for cooking 109- 109 \$YESNO. FWCOOK7 District steam used for cooking 109- 109 \$YESNO. FWAND7 Hele oil used	FKTYPDS7		45-	45	\$YESNO.
ELHT17 Blectricity used for main heating 51- 51 \$YESNO. NGHT17 Natural gas used for main heating 53- 53 \$YESNO. FKHT17 Fuel oil used for main heating 55- 55 \$YESNO. FRHT17 Propane used for main heating 57- 57 \$YESNO. FRHT17 District steam used for main heating 59- 59 \$YESNO. HWHT17 District steam used for main heating 61- 61 \$YESNO. HWHT17 Dist. hot water used for main heating 61- 61 \$YESNO. HWHT17 Electricity used for secondary heating 63- 63 \$YESNO. NGHT27 Natural gas used for secondary heating 65- 65 \$YESNO. FKHT27 Fuel oil used for secondary heating 67- 67 \$YESNO. FKHT27 Propane used for secondary heating 69- 69 \$YESNO. FKHT27 Dist. hot water for secondary heating 71- 71 \$YESNO. HWHT27 Dist. hot water for secondary heating 71- 71 \$YESNO. HWHT27 Dist. hot water for secondary heating 73- 73 \$YESNO. FKCOOL7 Electricity used for cooling 75- 75 \$YESNO. FKCOOL7 Fuel oil used for cooling 77- 77 \$YESNO. FKCOOL7 Fuel oil used for cooling 77- 77 \$YESNO. FKCOOL7 Fuel oil used for cooling 81- 81 \$YESNO. FCCOOL7 District steam used for cooling 83- 83 \$YESNO. FLWATR7 Electricity used for water heating 87- 87 \$YESNO. FLWATR7 Electricity used for water heating 89- 89 \$YESNO. FKWATR7 Fuel oil used for water heating 89- 89 \$YESNO. FKWATR7 Fropane used for water heating 91- 91 \$YESNO. FRWATR7 Propane used for water heating 95- 95 \$YESNO. FRWATR7 District steam used for water heating 95- 95 \$YESNO. FRWATR7 District steam used for water heating 95- 95 \$YESNO. FRWATR7 District steam used for water heating 95- 95 \$YESNO. FKCOOK7 Fuel oil used for cooking 101- 101 \$YESNO. FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO. FKCOOK7 Propane used for cooking 103- 103 \$YESNO. FKCOOK7 District steam used for cooking 107- 107 \$YESNO. FKCOOK7 District steam used for cooking 107- 107 \$YESNO. FKMANU7 Blectricity used for manufacturing 111- 111 \$YESNO. FKMANU7 Blectricity used for manufacturing 111- 111 \$YESNO. FKMANU7 Natural gas used for manufacturing 111- 111 \$YESNO.	FKTYPKR7	Fuel oil type specified as kerosene	47-	47	\$YESNO.
NGHT17 Fuel oil used for main heating 53-53 \$YESNO. FKHT17 Fuel oil used for main heating 55-55 \$YESNO. STHT17 Propane used for main heating 57-57 \$YESNO. STHT17 Propane used for main heating 59-59 \$YESNO. STHT17 District steam used for main heating 59-59 \$YESNO. HWHT17 Dist. hot water used for main heating 61-61 \$YESNO. ELHT27 Electricity used for secondary heating 63-63 \$YESNO. STHT17 Natural gas used for secondary heating 65-65 \$YESNO. FKHT27 Fuel oil used for secondary heating 67-67 \$YESNO. FKHT27 Propane used for secondary heating 69-69 \$YESNO. STHT27 Dist. steam used for secondary heating 71-71 \$YESNO. HWHT27 Dist. hot water for secondary heating 73-73 \$YESNO. ELCOOL7 Electricity used for cooling 77-77 \$YESNO. NGCOOL7 Natural gas used for cooling 77-77 \$YESNO. FKCOOL7 Fuel oil used for cooling 77-77 \$YESNO. FCCOOL7 Fuel oil used for cooling 79-79 \$YESNO. STCOOL7 District steam used for cooling 81-81 \$YESNO. ELWATR7 Electricity used for water heating 87-87 \$YESNO. STCOOL7 District hot water used for cooling 85-85 \$YESNO. ELWATR7 Electricity used for water heating 89-89 \$YESNO. FKWATR7 Fuel oil used for water heating 89-89 \$YESNO. FKWATR7 Fuel oil used for water heating 93-93 \$YESNO. STWATR7 Dist. hot water used for water heating 93-93 \$YESNO. STWATR7 District steam used for water heating 93-93 \$YESNO. STWATR7 District steam used for water heating 97-97 \$YESNO. STWATR7 District steam used for water heating 99-99 \$YESNO. FKWATR7 Dist. hot water used for water heating 99-99 \$YESNO. FKCOOK7 Fuel oil used for cooking 101-101 \$YESNO. FKCOOK7 Fuel oil used for cooking 101-101 \$YESNO. FKCOOK7 Propane used for cooking 103-103 \$YESNO. FKCOOK7 District steam used for cooking 103-105 \$YESNO. FKCOOK7 District steam used for cooking 103-107 \$YESNO. FKCOOK7 District steam used for cooking 103-107 \$YESNO. FKCOOK7 District steam used for cooking 103-107 \$YESNO. FKCOOK7 District steam used for manufacturing 111-111 \$YESNO. FKMANU7 Natural gas used for manufacturing 111-115 \$YESNO.	ABLEGEN7	Capability to generate electricity	49-	49	\$YESNO.
FKHT17 Fuel oil used for main heating 55- 55 \$YESNO. PRHT17 Propane used for main heating 57- 57 \$YESNO. STHT17 District steam used for main heating 59- 59 \$YESNO. HWHT17 Dist. hot water used for main heating 61- 61 \$YESNO. ELHT27 Electricity used for secondary heating 63- 63 \$YESNO. NGHT27 Natural gas used for secondary heating 65- 65 \$YESNO. FKHT27 Fuel oil used for secondary heating 67- 67 \$YESNO. PRHT27 Propane used for secondary heating 69- 69 \$YESNO. STHT27 Dist. steam used for secondary heating 71- 71 \$YESNO. STHT27 Dist. hot water for secondary heating 71- 71 \$YESNO. HWHT27 Dist. hot water for secondary heating 73- 73 \$YESNO. NGCOOL7 Electricity used for cooling 75- 75 \$YESNO. FKCOOL7 Fuel oil used for cooling 77- 77 \$YESNO. FKCOOL7 Fuel oil used for cooling 77- 77 \$YESNO. FKCOOL7 Propane used for cooling 81- 81 \$YESNO. FWCOOL7 District steam used for cooling 83- 83 \$YESNO. HWCOOL7 District steam used for cooling 83- 83 \$YESNO. ELWATR7 Electricity used for water heating 87- 87 \$YESNO. FKWATR7 Fuel oil used for water heating 89- 89 \$YESNO. FKWATR7 Fuel oil used for water heating 91- 91 \$YESNO. FKWATR7 Propane used for water heating 91- 91 \$YESNO. FKWATR7 District steam used for water heating 93- 93 \$YESNO. FKWATR7 District steam used for water heating 97- 97 \$YESNO. FKWATR7 District steam used for water heating 99- 99 \$YESNO. FKCOOK7 Fuel oil used for cooking 101- 101 \$YESNO. FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO. FKCOOK7 Propane used for cooking 103- 103 \$YESNO. FKCOOK7 Propane used for cooking 103- 105 \$YESNO. FKCOOK7 District steam used for cooking 107- 107 \$YESNO. FKCOOK7 District steam used for cooking 107- 107 \$YESNO. FKCOOK7 District steam used for cooking 107- 107 \$YESNO. FKCOOK7 District steam used for cooking 107- 107 \$YESNO. FKCOOK7 District between used for cooking 107- 107 \$YESNO. FKCOOK7 District between used for cooking 107- 107 \$YESNO. FKMANU7 Natural gas used for manufacturing 111- 111 \$YESNO. FKMANU7 Natural gas of for manufacturing 111- 113 \$YESNO.	ELHT17	Electricity used for main heating	51-	51	\$YESNO.
PRHT17 Propane used for main heating 57- 57 \$YESNO. STHT17 District steam used for main heating 59- 59 \$YESNO. HWHT17 Dist. hot water used for main heating 61- 61 \$YESNO. ELHT27 Electricity used for secondary heating 63- 63 \$YESNO. NGHT27 Natural gas used for secondary heating 65- 65 \$YESNO. FKHT27 Fuel oil used for secondary heating 67- 67 \$YESNO. STHT27 Propane used for secondary heating 69- 69 \$VESNO. STHT27 Propane used for secondary heating 71- 71 \$YESNO. STHT27 Dist. steam used for secondary heating 71- 71 \$YESNO. STHT27 Dist. hot water for secondary heating 73- 73 \$VESNO. ELCOOL7 Electricity used for cooling 75- 75 \$YESNO. FKCOOL7 Fuel oil used for cooling 77- 77 \$YESNO. FKCOOL7 Fuel oil used for cooling 77- 77 \$YESNO. FKCOOL7 Fuel oil used for cooling 79- 79 \$YESNO. STCOOL7 District steam used for cooling 81- 81 \$YESNO. STCOOL7 District hot water used for cooling 85- 85 \$YESNO. ELWATR7 Electricity used for water heating 87- 87 \$YESNO. FKWATR7 Fuel oil used for water heating 89- 89 \$YESNO. FKWATR7 Fuel oil used for water heating 91- 91 \$VESNO. FKWATR7 Fuel oil used for water heating 91- 91 \$VESNO. FKWATR7 District steam used for water heating 93- 93 \$YESNO. FKWATR7 District steam used for water heating 93- 93 \$YESNO. FKWATR7 District steam used for water heating 93- 93 \$YESNO. FKCOOK7 Fuel oil used for cooking 101- 101 \$YESNO. FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO. FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO. FKCOOK7 Propane used for cooking 103- 103 \$YESNO. FKCOOK7 District steam used for cooking 107- 107 \$YESNO. FKCOOK7 District steam used for cooking 107- 107 \$YESNO. FKCOOK7 District steam used for cooking 107- 107 \$YESNO. FKCOOK7 District steam used for cooking 109- 109 \$YESNO. FKCOOK7 District steam used for cooking 109- 109 \$YESNO. FKMANU7 Natural gas used for manufacturing 111- 111 \$YESNO. FKMANU7 Natural gas used for manufacturing 111- 111 \$YESNO.	NGHT17	Natural gas used for main heating	53-	53	\$YESNO.
STHT17 District steam used for main heating 59- 59 \$YESNO. HWHT17 Dist. hot water used for main heating 61- 61 \$YESNO. ELHT27 Electricity used for secondary heating 63- 63 \$YESNO. NGHT27 Natural gas used for secondary heating 65- 65 \$YESNO. FKHT27 Fuel oil used for secondary heating 67- 67 \$YESNO. FKHT27 Propane used for secondary heating 69- 69 \$YESNO. STHT27 Dist. steam used for secondary heating 71- 71 \$YESNO. HWHT27 Dist. steam used for secondary heating 73- 73 \$YESNO. ELCOOL7 Electricity used for cooling 75- 75 \$YESNO. NGCOOL7 Natural gas used for cooling 77- 77 \$YESNO. FKCOOL7 Fuel oil used for cooling 79- 79 \$YESNO. STCOOL7 Propane used for cooling 81- 81 \$YESNO. STCOOL7 District steam used for cooling 83- 83 \$YESNO. STCOOL7 District hot water used for cooling 85- 85 \$YESNO. FLWATR7 Electricity used for water heating 89- 89 \$YESNO. FKWATR7 Natural gas used for water heating 89- 89 \$YESNO. FKWATR7 Fuel oil used for water heating 91- 91 \$YESNO. FKWATR7 District steam used for water heating 93- 93 \$YESNO. STWATR7 District steam used for water heating 95- 95 \$YESNO. ELCOOK7 Electricity used for water heating 97- 97 \$YESNO. ELCOOK7 Electricity used for cooking 101- 101 \$YESNO. FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO. STCOOK7 Propane used for cooking 103- 103 \$YESNO. FKCOOK7 Propane used for cooking 103- 103 \$YESNO. STCOOK7 District steam used for cooking 103- 105 \$YESNO. STCOOK7 District steam used for cooking 103- 105 \$YESNO. STCOOK7 District steam used for cooking 103- 105 \$YESNO. STCOOK7 District steam used for cooking 103- 105 \$YESNO. STCOOK7 District steam used for cooking 103- 105 \$YESNO. STCOOK7 District steam used for cooking 103- 105 \$YESNO. STCOOK7 District steam used for cooking 103- 105 \$YESNO. STCOOK7 District steam used for cooking 103- 105 \$YESNO. STCOOK7 District bot water used for cooking 103- 105 \$YESNO. STCOOK7 District bot water used for cooking 103- 105 \$YESNO. STCOOK7 District bot water used for cooking 103- 105 \$YESNO. STCOOK7 District bot water used for cooking 103- 105 \$YESN	FKHT17	Fuel oil used for main heating	55 <b>-</b>	55	\$YESNO.
HWHT17 Dist. hot water used for main heating 61- 61 SYESNO. ELHT27 Electricity used for secondary heating 63- 63 SYESNO. NGHT27 Natural gas used for secondary heating 65- 65 SYESNO. FKHT27 Fuel oil used for secondary heating 67- 67 SYESNO. PRHT27 Propane used for secondary heating 69- 69 SYESNO. STHT27 Dist. steam used for secondary heating 71- 71 SYESNO. HWHT27 Dist. hot water for secondary heating 73- 73 SYESNO. ELCOOL7 Electricity used for cooling 75- 75 SYESNO. FKCOOL7 Fuel oil used for cooling 77- 77 SYESNO. FKCOOL7 Fuel oil used for cooling 79- 79 SYESNO. STCOOL7 Propane used for cooling 81- 81 SYESNO. STCOOL7 District steam used for cooling 85- 85 SYESNO. ELWATR7 Electricity used for water heating 87- 87 SYESNO. NGWATR7 Natural gas used for water heating 89- 89 SYESNO. FKWATR7 Fuel oil used for water heating 91- 91 SYESNO. FKWATR7 Fuel oil used for water heating 91- 91 SYESNO. FKWATR7 Propane used for water heating 93- 93 SYESNO. FWATR7 District steam used for water heating 95- 95 SYESNO. HWATR7 District steam used for water heating 97- 97 SYESNO. FWATR7 District steam used for water heating 95- 95 SYESNO. FWATR7 District steam used for water heating 97- 97 SYESNO. FWATR7 District steam used for water heating 97- 97 SYESNO. FWATR7 District steam used for water heating 95- 95 SYESNO. FWATR7 District steam used for water heating 95- 95 SYESNO. FWOOK7 Fuel oil used for cooking 101- 101 SYESNO. FKCOOK7 Fuel oil used for cooking 103- 103 SYESNO. FROOK7 Fuel oil used for cooking 105- 105 SYESNO. FROOK7 District steam used for cooking 107- 107 SYESNO. FKCOOK7 District steam used for cooking 109- 109 SYESNO. FKCOOK7 District steam used for cooking 109- 109 SYESNO. FKCOOK7 District steam used for cooking 109- 109 SYESNO. FKMANU7 Electricity used for manufacturing 111- 111 SYESNO. FKMANU7 Fuel oil used for manufacturing 111- 111 SYESNO.	PRHT17	Propane used for main heating	57-	57	\$YESNO.
ELHT27 Electricity used for secondary heating 63- 63 \$YESNO. NCHT27 Natural gas used for secondary heating 65- 65 \$YESNO. FKHT27 Fuel oil used for secondary heating 67- 67 \$YESNO. FKHT27 Propane used for secondary heating 69- 69 \$YESNO. STHT27 Dist. steam used for secondary heating 71- 71 \$YESNO. HWHT27 Dist. hot water for secondary heating 73- 73 \$YESNO. ELCOOL7 Electricity used for cooling 75- 75 \$YESNO. FKCOOL7 Natural gas used for cooling 77- 77 \$YESNO. FCCOOL7 Fuel oil used for cooling 79- 79 \$YESNO. FCCOOL7 Fuel oil used for cooling 81- 81 \$YESNO. FCCOOL7 Propane used for cooling 81- 81 \$YESNO. STCOOL7 District steam used for cooling 85- 85 \$YESNO. FLWATR7 Electricity used for water heating 87- 87 \$YESNO. NGWATR7 Natural gas used for water heating 87- 87 \$YESNO. FKWATR7 Fuel oil used for water heating 89- 89 \$YESNO. FKWATR7 Fuel oil used for water heating 91- 91 \$YESNO. FWATR7 Propane used for water heating 93- 93 \$YESNO. FWATR7 District steam used for water heating 95- 95 \$YESNO. FWATR7 District steam used for water heating 97- 97 \$YESNO. FWATR7 District steam used for water heating 97- 97 \$YESNO. FWATR7 District steam used for water heating 97- 97 \$YESNO. FCOOK7 Electricity used for cooking 99- 99 \$YESNO. FCOOK7 Fuel oil used for cooking 101- 101 \$YESNO. FCOOK7 Fuel oil used for cooking 103- 103 \$YESNO. FCOOK7 Propane used for cooking 103- 103 \$YESNO. FCOOK7 District steam used for cooking 105- 105 \$YESNO. FCOOK7 District steam used for cooking 107- 107 \$YESNO. FCOOK7 District steam used for cooking 109- 109 \$YESNO. FCOOK7 District steam used for cooking 109- 109 \$YESNO. FCOOK7 District steam used for cooking 109- 109 \$YESNO. FCOOK7 District steam used for manufacturing 111- 111 \$YESNO. FCOOK7 District steam used for manufacturing 111- 111 \$YESNO.	STHT17	District steam used for main heating	59-	59	\$YESNO.
NGHT27 Natural gas used for secondary heating 65- 65 \$YESNO. FKHT27 Fuel oil used for secondary heating 67- 67 \$YESNO. PRHT27 Propane used for secondary heating 69- 69 \$YESNO. STHT27 Dist. steam used for secondary heating 71- 71 \$YESNO. HWHT27 Dist. hot water for secondary heating 73- 73 \$YESNO. ELCOOL7 Electricity used for cooling 75- 75 \$YESNO. NGCOOL7 Natural gas used for cooling 77- 77 \$YESNO. FKCOOL7 Fuel oil used for cooling 79- 79 \$YESNO. FKCOOL7 Propane used for cooling 81- 81 \$YESNO. STCOOL7 District steam used for cooling 83- 83 \$YESNO. HWCOOL7 District steam used for cooling 85- 85 \$YESNO. ELWATR7 Electricity used for water heating 87- 87 \$YESNO. NGWATR7 Natural gas used for water heating 89- 89 \$YESNO. FKWATR7 Fuel oil used for water heating 91- 91 \$YESNO. STWATR7 District steam used for water heating 93- 93 \$YESNO. STWATR7 District steam used for water heating 95- 95 \$YESNO. HWWATR7 District steam used for water heating 97- 97 \$YESNO. ELCOOK7 Electricity used for cooking 99- 99 \$YESNO. FKCOOK7 Fuel oil used for cooking 101- 101 \$YESNO. FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO. PRCOOK7 Propane used for cooking 103- 103 \$YESNO. FCCOOK7 Propane used for cooking 103- 103 \$YESNO. FCCOOK7 District steam used for cooking 107- 107 \$YESNO. FCCOOK7 District steam used for cooking 109- 109 \$YESNO. FCCOOK7 District steam used for cooking 109- 109 \$YESNO. FCCOOK7 District steam used for cooking 109- 109 \$YESNO. FCCOOK7 District steam used for manufacturing 111- 111 \$YESNO. NGMANU7 Natural gas used for manufacturing 111- 111 \$YESNO. NGMANU7 Natural gas used for manufacturing 111- 115 \$YESNO.	HWHT17	Dist. hot water used for main heating	61-	61	\$YESNO.
FKHT27 Fuel oil used for secondary heating 67- 67 \$YESNO. PRHT27 Propane used for secondary heating 69- 69 \$YESNO. STHT27 Dist. steam used for secondary heating 71- 71 \$YESNO. HWHT27 Dist. hot water for secondary heating 73- 73 \$YESNO. ELCOOL7 Electricity used for cooling 75- 75 \$YESNO. NGCOOL7 Natural gas used for cooling 77- 77 \$YESNO. FKCOOL7 Fuel oil used for cooling 79- 79 \$YESNO. PRCOOL7 Propane used for cooling 81- 81 \$YESNO. STCOOL7 District steam used for cooling 83- 83 \$YESNO. HWCOOL7 District hot water used for cooling 85- 85 \$YESNO. NGWATR7 Electricity used for water heating 87- 87 \$YESNO. NGWATR7 Natural gas used for water heating 89- 89 \$YESNO. FKWATR7 Fuel oil used for water heating 91- 91 \$YESNO. PRWATR7 Propane used for water heating 91- 91 \$YESNO. STWATR7 District steam used for water heating 93- 93 \$YESNO. SWATR7 District steam used for water heating 95- 95 \$YESNO. HWWATR7 Dist. hot water used for water heating 97- 97 \$YESNO. NGCOOK7 Electricity used for cooking 99- 99 \$YESNO. NGCOOK7 Natural gas used for cooking 101- 101 \$YESNO. FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO. PRCOOK7 Propane used for cooking 103- 103 \$YESNO. PRCOOK7 District steam used for cooking 105- 105 \$YESNO. PRCOOK7 District steam used for cooking 107- 107 \$YESNO. PRCOOK7 District steam used for cooking 109- 109 \$YESNO. PRCOOK7 District steam used for cooking 109- 109 \$YESNO. PRCOOK7 District thot water used for cooking 109- 109 \$YESNO. PRCOOK7 District hot water used for cooking 109- 109 \$YESNO. PRCOOK7 District steam used for cooking 109- 109 \$YESNO. PRCOOK7 District steam used for cooking 109- 109 \$YESNO. PRCOOK7 District steam used for cooking 109- 109 \$YESNO. PRCOOK7 District steam used for cooking 109- 109 \$YESNO. PRCOOK7 District steam used for cooking 109- 109 \$YESNO. PRCOOK7 District steam used for cooking 109- 109 \$YESNO. PRCOOK7 District steam used for cooking 111- 111 \$YESNO. PRCOOK9 District steam used for cooking 111- 111 \$YESNO. PRCOOK9 District steam used for cooking 111- 111 \$YESNO.	ELHT27	Electricity used for secondary heating	63-	63	\$YESNO.
PRHT27 Propane used for secondary heating 69- 69 \$YESNO. STHT27 Dist. steam used for secondary heating 71- 71 \$YESNO. HWHT27 Dist. hot water for secondary heating 73- 73 \$YESNO. ELCOOL7 Electricity used for cooling 75- 75 \$YESNO. NGCOOL7 Natural gas used for cooling 77- 77 \$YESNO. FKCOOL7 Fuel oil used for cooling 79- 79 \$YESNO. PRCOOL7 Propane used for cooling 81- 81 \$YESNO. STCOOL7 District steam used for cooling 83- 83 \$YESNO. HWCOOL7 District hot water used for cooling 85- 85 \$YESNO. ELWATR7 Electricity used for water heating 87- 87 \$YESNO. NGWATR7 Natural gas used for water heating 89- 89 \$YESNO. FKWATR7 Fuel oil used for water heating 91- 91 \$YESNO. PRWATR7 Propane used for water heating 93- 93 \$YESNO. STWATR7 District steam used for water heating 95- 95 \$YESNO. STWATR7 District steam used for water heating 97- 97 \$YESNO. HWWATR7 Dist. hot water used for water heating 97- 97 \$YESNO. HWWATR7 Dist. hot water used for water heating 99- 99 \$YESNO. STWATR7 Electricity used for cooking 99- 99 \$YESNO. NGCOOK7 Fuel oil used for cooking 101- 101 \$YESNO. FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO. PRCOOK7 Propane used for cooking 103- 103 \$YESNO. STCOOK7 District steam used for cooking 107- 107 \$YESNO. STCOOK7 District steam used for cooking 107- 107 \$YESNO. STCOOK7 District steam used for cooking 109- 109 \$YESNO. STCOOK7 District hot water used for cooking 109- 109 \$YESNO. STCOOK7 District hot water used for cooking 109- 109 \$YESNO. NGMANU7 Natural gas used for manufacturing 111- 111 \$YESNO. NGMANU7 Natural gas used for manufacturing 111- 115 \$YESNO.	NGHT27	Natural gas used for secondary heating	65-	65	\$YESNO.
STHT27 Dist. steam used for secondary heating 71- 71 \$YESNO. HWHT27 Dist. hot water for secondary heating 73- 73 \$YESNO. ELCOOL7 Electricity used for cooling 75- 75 \$YESNO. NGCOOL7 Natural gas used for cooling 77- 77 \$YESNO. FKCOOL7 Fuel oil used for cooling 79- 79 \$YESNO. STCOOL7 Propane used for cooling 81- 81 \$YESNO. STCOOL7 District steam used for cooling 83- 83 \$YESNO. HWCOOL7 District hot water used for cooling 85- 85 \$YESNO. ELWATR7 Electricity used for water heating 87- 87 \$YESNO. NGWATR7 Natural gas used for water heating 89- 89 \$YESNO. FKWATR7 Fuel oil used for water heating 91- 91 \$YESNO. FKWATR7 Propane used for water heating 93- 93 \$YESNO. STWATR7 District steam used for water heating 95- 95 \$YESNO. HWWATR7 Dist. hot water used for water heating 97- 97 \$YESNO. ELCOOK7 Electricity used for cooking 99- 99 \$YESNO. FKCOOK7 Natural gas used for cooking 101- 101 \$YESNO. FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO. FKCOOK7 Propane used for cooking 103- 103 \$YESNO. FRCOOK7 District steam used for cooking 105- 105 \$YESNO. FCCOOK7 District steam used for cooking 107- 107 \$YESNO. FCCOOK7 District steam used for cooking 109- 109 \$YESNO. STCOOK7 District steam used for cooking 109- 109 \$YESNO. FCCOOK7 District steam used for cooking 109- 109 \$YESNO. ELMANU7 Electricity used for manufacturing 111- 111 \$YESNO. FCMANU7 Natural gas used for manufacturing 111- 111 \$YESNO. FCMANU7 Natural gas used for manufacturing 113- 113 \$YESNO.	FKHT27	Fuel oil used for secondary heating	67-	67	\$YESNO.
HWHT27 Dist. hot water for secondary heating 73- 73 \$YESNO. ELCOOL7 Electricity used for cooling 75- 75 \$YESNO. NGCOL7 Natural gas used for cooling 77- 77 \$YESNO. FKCOOL7 Fuel oil used for cooling 79- 79 \$YESNO. PRCOOL7 Propane used for cooling 81- 81 \$YESNO. FKCOOL7 District steam used for cooling 83- 83 \$YESNO. HWCOOL7 District hot water used for cooling 85- 85 \$YESNO. ELWATR7 Electricity used for water heating 87- 87 \$YESNO. NGWATR7 Natural gas used for water heating 89- 89 \$YESNO. FKWATR7 Fuel oil used for water heating 91- 91 \$YESNO. PRWATR7 Propane used for water heating 93- 93 \$YESNO. STWATR7 District steam used for water heating 95- 95 \$YESNO. HWWATR7 Dist. hot water used for water heating 97- 97 \$YESNO. ELCOOK7 Electricity used for cooking 99- 99 \$YESNO. FKCOOK7 Fuel oil used for cooking 101- 101 \$YESNO. FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO. FKCOOK7 Propane used for cooking 103- 103 \$YESNO. FKCOOK7 District steam used for cooking 107- 107 \$YESNO. FKCOOK7 District steam used for cooking 107- 107 \$YESNO. FCOOK7 District steam used for cooking 107- 107 \$YESNO. FCOOK7 District hot water used for cooking 107- 107 \$YESNO. FLANDOUT Electricity used for manufacturing 111- 111 \$YESNO. FKMANU7 Fuel oil used for manufacturing 113- 113 \$YESNO. FKMANU7 Fuel oil used for manufacturing 113- 113 \$YESNO.	PRHT27	Propane used for secondary heating	69-	69	\$YESNO.
ELCOOL7 Electricity used for cooling 75- 75 \$YESNO.  NGCOOL7 Natural gas used for cooling 77- 77 \$YESNO.  FKCOOL7 Fuel oil used for cooling 79- 79 \$YESNO.  PRCOOL7 Propane used for cooling 81- 81 \$YESNO.  STCOOL7 District steam used for cooling 83- 83 \$YESNO.  HWCOOL7 District hot water used for cooling 85- 85 \$YESNO.  ELWATR7 Electricity used for water heating 87- 87 \$YESNO.  NGWATR7 Natural gas used for water heating 89- 89 \$YESNO.  FKWATR7 Fuel oil used for water heating 91- 91 \$YESNO.  PRWATR7 Propane used for water heating 93- 93 \$YESNO.  STWATR7 District steam used for water heating 95- 95 \$YESNO.  HWWATR7 Dist. hot water used for water heating 97- 97 \$YESNO.  ELCOOK7 Electricity used for cooking 99- 99 \$YESNO.  NGCOOK7 Natural gas used for cooking 101- 101 \$YESNO.  FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO.  PRCOOK7 Propane used for cooking 105- 105 \$YESNO.  STOOK7 District steam used for cooking 107- 107 \$YESNO.  HWCOOK7 District steam used for cooking 107- 107 \$YESNO.  HWCOOK7 District hot water used for cooking 109- 109 \$YESNO.  HWCOOK7 District hot water used for cooking 109- 109 \$YESNO.  ELMANU7 Electricity used for manufacturing 111- 111 \$YESNO.  NGMANU7 Natural gas used for manufacturing 113- 113 \$YESNO.  FKMANU7 Fuel oil used for manufacturing 115- 115 \$YESNO.	STHT27	Dist. steam used for secondary heating	71-	71	\$YESNO.
NGCOOL7 Natural gas used for cooling 77- 77 \$YESNO. FKCOOL7 Fuel oil used for cooling 79- 79 \$YESNO. PRCOOL7 Propane used for cooling 81- 81 \$YESNO. STCOOL7 District steam used for cooling 83- 83 \$YESNO. HWCOOL7 District hot water used for cooling 85- 85 \$YESNO. ELWATR7 Electricity used for water heating 87- 87 \$YESNO. NGWATR7 Natural gas used for water heating 89- 89 \$YESNO. FKWATR7 Fuel oil used for water heating 91- 91 \$YESNO. PRWATR7 Propane used for water heating 93- 93 \$YESNO. STWATR7 District steam used for water heating 95- 95 \$YESNO. HWWATR7 Dist. hot water used for water heating 97- 97 \$YESNO. ELCOOK7 Electricity used for cooking 99- 99 \$YESNO. NGCOOK7 Natural gas used for cooking 101- 101 \$YESNO. FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO. PRCOOK7 Propane used for cooking 105- 105 \$YESNO. STCOOK7 District steam used for cooking 107- 107 \$YESNO. STCOOK7 District steam used for cooking 109- 109 \$YESNO. STCOOK7 District hot water used for cooking 109- 109 \$YESNO. ELMANU7 Electricity used for manufacturing 111- 111 \$YESNO. NGMANU7 Natural gas used for manufacturing 113- 113 \$YESNO. FKMANU7 Fuel oil used for manufacturing 113- 113 \$YESNO.	HWHT27	Dist. hot water for secondary heating	73-	73	\$YESNO.
FKCOOL7 Fuel oil used for cooling 79- 79 \$YESNO.  PRCOOL7 Propane used for cooling 81- 81 \$YESNO.  STCOOL7 District steam used for cooling 83- 83 \$YESNO.  HWCOOL7 District hot water used for cooling 85- 85 \$YESNO.  ELWATR7 Electricity used for water heating 87- 87 \$YESNO.  NGWATR7 Natural gas used for water heating 89- 89 \$YESNO.  FKWATR7 Fuel oil used for water heating 91- 91 \$YESNO.  PRWATR7 Propane used for water heating 93- 93 \$YESNO.  STWATR7 District steam used for water heating 95- 95 \$YESNO.  HWWATR7 Dist. hot water used for water heating 97- 97 \$YESNO.  ELCOOK7 Electricity used for cooking 99- 99 \$YESNO.  NGCOOK7 Natural gas used for cooking 101- 101 \$YESNO.  PRCOOK7 Fuel oil used for cooking 103- 103 \$YESNO.  PRCOOK7 Propane used for cooking 105- 105 \$YESNO.  STCOOK7 District steam used for cooking 107- 107 \$YESNO.  STCOOK7 District steam used for cooking 107- 107 \$YESNO.  STCOOK7 District steam used for cooking 109- 109 \$YESNO.  HWCOOK7 District steam used for cooking 109- 109 \$YESNO.  ELMANU7 Electricity used for manufacturing 111- 111 \$YESNO.  NGMANU7 Natural gas used for manufacturing 113- 113 \$YESNO.  FKMANU7 Fuel oil used for manufacturing 113- 115 \$YESNO.	ELCOOL7	Electricity used for cooling	75-	75	\$YESNO.
PRCOOL7 Propane used for cooling 81-81 \$YESNO.  STCOOL7 District steam used for cooling 83-83 \$YESNO.  HWCOOL7 District hot water used for cooling 85-85 \$YESNO.  ELWATR7 Electricity used for water heating 87-87 \$YESNO.  NGWATR7 Natural gas used for water heating 89-89 \$YESNO.  FKWATR7 Fuel oil used for water heating 91-91 \$YESNO.  PRWATR7 Propane used for water heating 93-93 \$YESNO.  STWATR7 District steam used for water heating 95-95 \$YESNO.  HWWATR7 Dist. hot water used for water heating 97-97 \$YESNO.  ELCOOK7 Electricity used for cooking 99-99 \$YESNO.  NGCOOK7 Natural gas used for cooking 101-101 \$YESNO.  FKCOOK7 Fuel oil used for cooking 103-103 \$YESNO.  PRCOOK7 Propane used for cooking 103-103 \$YESNO.  STCOOK7 District steam used for cooking 107-107 \$YESNO.  STCOOK7 District steam used for cooking 109-109 \$YESNO.  HWCOOK7 District hot water used for cooking 109-109 \$YESNO.  ELMANU7 Electricity used for manufacturing 111-111 \$YESNO.  NGMANU7 Natural gas used for manufacturing 113-113 \$YESNO.  FKMANU7 Fuel oil used for manufacturing 113-113 \$YESNO.	NGCOOL7	Natural gas used for cooling	77-	77	\$YESNO.
STCOOL7 District steam used for cooling 83-83 \$YESNO.  HWCOOL7 District hot water used for cooling 85-85 \$YESNO.  ELWATR7 Electricity used for water heating 87-87 \$YESNO.  NGWATR7 Natural gas used for water heating 89-89 \$YESNO.  FKWATR7 Fuel oil used for water heating 91-91 \$YESNO.  PRWATR7 Propane used for water heating 93-93 \$YESNO.  STWATR7 District steam used for water heating 95-95 \$YESNO.  HWWATR7 Dist. hot water used for water heating 97-97 \$YESNO.  ELCOOK7 Electricity used for cooking 99-99 \$YESNO.  NGCOOK7 Natural gas used for cooking 101-101 \$YESNO.  FKCOOK7 Fuel oil used for cooking 103-103 \$YESNO.  PRCOOK7 Propane used for cooking 105-105 \$YESNO.  STCOOK7 District steam used for cooking 107-107 \$YESNO.  STCOOK7 District steam used for cooking 109-109 \$YESNO.  ELMANU7 Electricity used for manufacturing 111-111 \$YESNO.  NGMANU7 Natural gas used for manufacturing 113-113 \$YESNO.  FKMANU7 Fuel oil used for manufacturing 113-113 \$YESNO.	FKCOOL7	Fuel oil used for cooling	79-	79	\$YESNO.
HWCOOL7 District hot water used for cooling 85- 85 \$YESNO.  ELWATR7 Electricity used for water heating 87- 87 \$YESNO.  NGWATR7 Natural gas used for water heating 89- 89 \$YESNO.  FKWATR7 Fuel oil used for water heating 91- 91 \$YESNO.  PRWATR7 Propane used for water heating 93- 93 \$YESNO.  STWATR7 District steam used for water heating 95- 95 \$YESNO.  HWWATR7 Dist. hot water used for water heating 97- 97 \$YESNO.  ELCOOK7 Electricity used for cooking 99- 99 \$YESNO.  NGCOOK7 Natural gas used for cooking 101- 101 \$YESNO.  FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO.  PRCOOK7 Propane used for cooking 105- 105 \$YESNO.  STCOOK7 District steam used for cooking 107- 107 \$YESNO.  STCOOK7 District steam used for cooking 109- 109 \$YESNO.  HWCOOK7 District hot water used for cooking 109- 109 \$YESNO.  ELMANU7 Electricity used for manufacturing 111- 111 \$YESNO.  NGMANU7 Natural gas used for manufacturing 113- 113 \$YESNO.  FKMANU7 Fuel oil used for manufacturing 113- 113 \$YESNO.	PRCOOL7	Propane used for cooling	81-	81	\$YESNO.
ELWATR7 Electricity used for water heating 87- 87 \$YESNO.  NGWATR7 Natural gas used for water heating 89- 89 \$YESNO.  FKWATR7 Fuel oil used for water heating 91- 91 \$YESNO.  PRWATR7 Propane used for water heating 93- 93 \$YESNO.  STWATR7 District steam used for water heating 95- 95 \$YESNO.  HWWATR7 Dist. hot water used for water heating 97- 97 \$YESNO.  ELCOOK7 Electricity used for cooking 99- 99 \$YESNO.  NGCOOK7 Natural gas used for cooking 101- 101 \$YESNO.  FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO.  PRCOOK7 Propane used for cooking 105- 105 \$YESNO.  STCOOK7 District steam used for cooking 107- 107 \$YESNO.  STCOOK7 District hot water used for cooking 109- 109 \$YESNO.  HWCOOK7 District hot water used for cooking 109- 109 \$YESNO.  ELMANU7 Electricity used for manufacturing 111- 111 \$YESNO.  NGMANU7 Natural gas used for manufacturing 113- 113 \$YESNO.  FKMANU7 Fuel oil used for manufacturing 113- 113 \$YESNO.	STCOOL7	District steam used for cooling	83-	83	\$YESNO.
NGWATR7 Natural gas used for water heating 89-89 \$YESNO. FKWATR7 Fuel oil used for water heating 91-91 \$YESNO. PRWATR7 Propane used for water heating 93-93 \$YESNO. STWATR7 District steam used for water heating 95-95 \$YESNO. HWWATR7 Dist. hot water used for water heating 97-97 \$YESNO. ELCOOK7 Electricity used for cooking 99-99 \$YESNO. NGCOOK7 Natural gas used for cooking 101-101 \$YESNO. FKCOOK7 Fuel oil used for cooking 103-103 \$YESNO. PRCOOK7 Propane used for cooking 105-105 \$YESNO. STCOOK7 District steam used for cooking 107-107 \$YESNO. STCOOK7 District hot water used for cooking 109-109 \$YESNO. ELMANU7 Electricity used for manufacturing 111-111 \$YESNO. NGMANU7 Natural gas used for manufacturing 113-113 \$YESNO. FKMANU7 Fuel oil used for manufacturing 115-115 \$YESNO.	HWCOOL7	District hot water used for cooling	85-	85	\$YESNO.
FKWATR7 Fuel oil used for water heating 91- 91 \$YESNO.  PRWATR7 Propane used for water heating 93- 93 \$YESNO.  STWATR7 District steam used for water heating 95- 95 \$YESNO.  HWWATR7 Dist. hot water used for water heating 97- 97 \$YESNO.  ELCOOK7 Electricity used for cooking 99- 99 \$YESNO.  NGCOOK7 Natural gas used for cooking 101- 101 \$YESNO.  FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO.  PRCOOK7 Propane used for cooking 105- 105 \$YESNO.  STCOOK7 District steam used for cooking 107- 107 \$YESNO.  STCOOK7 District hot water used for cooking 109- 109 \$YESNO.  ELMANU7 Electricity used for manufacturing 111- 111 \$YESNO.  NGMANU7 Natural gas used for manufacturing 113- 113 \$YESNO.  FKMANU7 Fuel oil used for manufacturing 115- 115 \$YESNO.	ELWATR7	Electricity used for water heating	87-	87	\$YESNO.
PRWATR7 Propane used for water heating 93- 93 \$YESNO. STWATR7 District steam used for water heating 95- 95 \$YESNO. HWWATR7 Dist. hot water used for water heating 97- 97 \$YESNO. ELCOOK7 Electricity used for cooking 99- 99 \$YESNO. NGCOOK7 Natural gas used for cooking 101- 101 \$YESNO. FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO. PRCOOK7 Propane used for cooking 105- 105 \$YESNO. STCOOK7 District steam used for cooking 107- 107 \$YESNO. STCOOK7 District hot water used for cooking 109- 109 \$YESNO. ELMANU7 Electricity used for manufacturing 111- 111 \$YESNO. NGMANU7 Natural gas used for manufacturing 113- 113 \$YESNO. FKMANU7 Fuel oil used for manufacturing 115- 115 \$YESNO.	NGWATR7	Natural gas used for water heating	89-	89	\$YESNO.
District steam used for water heating 95- 95 \$YESNO.  HWWATR7 Dist. hot water used for water heating 97- 97 \$YESNO.  ELCOOK7 Electricity used for cooking 99- 99 \$YESNO.  NGCOOK7 Natural gas used for cooking 101- 101 \$YESNO.  FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO.  PRCOOK7 Propane used for cooking 105- 105 \$YESNO.  STCOOK7 District steam used for cooking 107- 107 \$YESNO.  STCOOK7 District hot water used for cooking 109- 109 \$YESNO.  HWCOOK7 District hot water used for cooking 111- 111 \$YESNO.  ELMANU7 Electricity used for manufacturing 111- 111 \$YESNO.  NGMANU7 Natural gas used for manufacturing 113- 113 \$YESNO.  FKMANU7 Fuel oil used for manufacturing 115- 115 \$YESNO.	FKWATR7	Fuel oil used for water heating	91-	91	
HWWATR7 Dist. hot water used for water heating 97- 97 \$YESNO.  ELCOOK7 Electricity used for cooking 99- 99 \$YESNO.  NGCOOK7 Natural gas used for cooking 101- 101 \$YESNO.  FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO.  PRCOOK7 Propane used for cooking 105- 105 \$YESNO.  STCOOK7 District steam used for cooking 107- 107 \$YESNO.  HWCOOK7 District hot water used for cooking 109- 109 \$YESNO.  ELMANU7 Electricity used for manufacturing 111- 111 \$YESNO.  NGMANU7 Natural gas used for manufacturing 113- 113 \$YESNO.  FKMANU7 Fuel oil used for manufacturing 115- 115 \$YESNO.	PRWATR7	Propane used for water heating	93-		\$YESNO.
ELCOOK7 Electricity used for cooking 99- 99 \$YESNO.  NGCOOK7 Natural gas used for cooking 101- 101 \$YESNO.  FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO.  PRCOOK7 Propane used for cooking 105- 105 \$YESNO.  STCOOK7 District steam used for cooking 107- 107 \$YESNO.  HWCOOK7 District hot water used for cooking 109- 109 \$YESNO.  ELMANU7 Electricity used for manufacturing 111- 111 \$YESNO.  NGMANU7 Natural gas used for manufacturing 113- 113 \$YESNO.  FKMANU7 Fuel oil used for manufacturing 115- 115 \$YESNO.	STWATR7	District steam used for water heating	95-	95	\$YESNO.
NGCOOK7 Natural gas used for cooking 101- 101 \$YESNO.  FKCOOK7 Fuel oil used for cooking 103- 103 \$YESNO.  PRCOOK7 Propane used for cooking 105- 105 \$YESNO.  STCOOK7 District steam used for cooking 107- 107 \$YESNO.  HWCOOK7 District hot water used for cooking 109- 109 \$YESNO.  ELMANU7 Electricity used for manufacturing 111- 111 \$YESNO.  NGMANU7 Natural gas used for manufacturing 113- 113 \$YESNO.  FKMANU7 Fuel oil used for manufacturing 115- 115 \$YESNO.	HWWATR7	Dist. hot water used for water heating	97-		\$YESNO.
FKCOOK7 Fuel oil used for cooking 103-103 \$YESNO.  PRCOOK7 Propane used for cooking 105-105 \$YESNO.  STCOOK7 District steam used for cooking 107-107 \$YESNO.  HWCOOK7 District hot water used for cooking 109-109 \$YESNO.  ELMANU7 Electricity used for manufacturing 111-111 \$YESNO.  NGMANU7 Natural gas used for manufacturing 113-113 \$YESNO.  FKMANU7 Fuel oil used for manufacturing 115-115 \$YESNO.	ELCOOK7		99-	99	\$YESNO.
PRCOOK7 Propane used for cooking 105- 105 \$YESNO.  STCOOK7 District steam used for cooking 107- 107 \$YESNO.  HWCOOK7 District hot water used for cooking 109- 109 \$YESNO.  ELMANU7 Electricity used for manufacturing 111- 111 \$YESNO.  NGMANU7 Natural gas used for manufacturing 113- 113 \$YESNO.  FKMANU7 Fuel oil used for manufacturing 115- 115 \$YESNO.	NGCOOK7		-	-	\$YESNO.
STCOOK7 District steam used for cooking 107- 107 \$YESNO.  HWCOOK7 District hot water used for cooking 109- 109 \$YESNO.  ELMANU7 Electricity used for manufacturing 111- 111 \$YESNO.  NGMANU7 Natural gas used for manufacturing 113- 113 \$YESNO.  FKMANU7 Fuel oil used for manufacturing 115- 115 \$YESNO.	FKCOOK7	Fuel oil used for cooking	103-	103	\$YESNO.
HWCOOK7 District hot water used for cooking 109-109 \$YESNO. ELMANU7 Electricity used for manufacturing 111-111 \$YESNO. NGMANU7 Natural gas used for manufacturing 113-113 \$YESNO. FKMANU7 Fuel oil used for manufacturing 115-115 \$YESNO.	PRCOOK7	Propane used for cooking	105-	105	\$YESNO.
ELMANU7 Electricity used for manufacturing 111- 111 \$YESNO.  NGMANU7 Natural gas used for manufacturing 113- 113 \$YESNO.  FKMANU7 Fuel oil used for manufacturing 115- 115 \$YESNO.	STCOOK7		107-	107	\$YESNO.
NGMANU7 Natural gas used for manufacturing 113-113 \$YESNO. FKMANU7 Fuel oil used for manufacturing 115-115 \$YESNO.	HWCOOK7		109-	109	\$YESNO.
FKMANU7 Fuel oil used for manufacturing 115- 115 \$YESNO.	ELMANU7				\$YESNO.
	NGMANU7	Natural gas used for manufacturing			\$YESNO.
PRMANU7 Propane used for manufacturing 117- 117 \$YESNO.	FKMANU7		115-	115	\$YESNO.
	PRMANU7	Propane used for manufacturing	117-	117	\$YESNO.

#### (File 5 continued)

<u>Variable Name</u>	Variable Description	Position	<u>Format</u>
STMANU7	District steam used for manufacturing	119- 119	\$YESNO.
HWMANU7	Dist. hot water used for manufacturing	121- 121	\$YESNO.
NGGENR7	Natural gas used to generate elec.	123- 123	\$YESNO.
FKGENR7	Fuel oil used to generate electricity	125- 125	\$YESNO.
PRGENR7	Propane used to generate electricity	127- 127	\$YESNO.
GENUSE7	Use of generated electricity	129- 129	\$GENUSE.
NGOTH7	Natural gas used for some other use	131- 131	\$YESNO.
FKOTH7	Fuel oil used for some other use	133- 133	\$YESNO.
PROTH7	Propane used for some other use	135- 135	\$YESNO.
STOTH7	District steam used for some other use	137- 137	\$YESNO.
HWOTH7	Dist. hot water used for some other use	139- 139	\$YESNO.
ELLOCUT7	Electricity bought from local utility	141- 141	\$YESNO.
ELNONLU7	Elec. bought from IPP/nonlocal utility	143- 143	\$YESNO.
ELOTSRC7	Electricity bought from someone else	145- 145	\$YESNO.
ELLUPCT7	Percent of elec. from local utility	147- 149	MISS3CH.
NGLOCUT7	Natural gas bought from local utility	151- 151	\$YESNO.
NGOTSRC7	Natural gas bought from someone else	153- 153	\$YESNO.
ADJWT7	Adjusted weight	155- 162	
PAIR7	Pair member	164- 164	
STRATUM7	Variance stratum	166- 167	

#### Layout for File 6: Minor Energy Sources and End Uses for Minor Energy Sources

Variable Name	Variable Description	Posi	<u>ition</u>	Format
PUBID7	Building identifier	1-	5	
REGION7	Census region	7 –	7	\$REGION.
CENDIV7	Census division	9-	9	\$CENDIV.
SQFT7	Square footage	11-	20	MISS10CH.
SQFTC7	Square footage category	22-	23	\$SQFTCAT.
YRCONC7	Year of construction category	25-	26	\$YEARCAT.
PBA7	Principal building activity	28-	29	\$PBA.
ELUSED7	Electricity used in 1999	31-	31	\$YESNO.
NGUSED7	Natural gas used in 1999	33-	33	\$YESNO.
FKUSED7	Fuel oil used in 1999	35-	35	\$YESNO.
PRUSED7	Propane used in 1999	37-	37	\$YESNO.
STUSED7	District steam used in 1999	39-	39	\$YESNO.
HWUSED7	District hot water used in 1999	41-	41	\$YESNO.
CWUSED7	District chilled water used in 1999	43-	43	\$YESNO.
WOUSED7	Wood used in 1999	45-	45	\$YESNO.
COUSED7	Coal used in 1999	47-	47	\$YESNO.
SOUSED7	Solar used in 1999	49-	49	\$YESNO.
OTUSED7	Other energy source used in 1999	51-	51	\$YESNO.
WOHT17	Wood used for main heating	53-	53	\$YESNO.
COHT17	Coal used for main heating	55-	55	\$YESNO.
SOHT17	Solar used for main heating	57 <b>-</b>	57	\$YESNO.
OTHT17	Other source used for main heating	59-	59	\$YESNO.
WOHT27	Wood used for secondary heating	61-	61	\$YESNO.
COHT27	Coal used for secondary heating	63-	63	\$YESNO.
SOHT27	Solar used for secondary heating	65-	65	\$YESNO.
OTHT27	Other source used for secondary heating	67-	67	\$YESNO.
CWCOOL7	District chilled water used for cooling	69-	69	\$YESNO.
OTCOOL7	Other energy source used for cooling	71-	71	\$YESNO.
WOWATR7	Wood used for water heating	73-	73	\$YESNO.
COWATR7	Coal used for water heating	75 <b>-</b>	75	\$YESNO.
SOWATR7	Solar used for water heating	77-	77	\$YESNO.
OTWATR7	Other source used for water heating	79-	79	\$YESNO.
WOCOOK7	Wood used for cooking	81-	81	\$YESNO.
COCOOK7	Coal used for cooking	83-	83	\$YESNO.
SOCOOK7	Solar used for cooking	85-	85	\$YESNO.
OTCOOK7	Other source used for cooking	87-	87	\$YESNO.
WOMANU7	Wood used for manufacturing	89-	89	\$YESNO.
COMANU7	Coal used for manufacturing	91-	91	\$YESNO.
SOMANU7	Solar used for manufacturing	93-	93	\$YESNO.
OTMANU7	Other source used for manufacturing	95-	95	\$YESNO.
WOGENR7	Wood used to generate electricity	97-	97	\$YESNO.
COGENR7	Coal used to generate electricity	99-	99	\$YESNO.
SOGENR7	Solar used to generate electricity	101-		\$YESNO.
OTGENR7	Other source used to generate elec.	101-		\$YESNO.
WOOTH7	Wood used for some other use	105-		\$YESNO.
COOTH7	Coal used for some other use	107-		\$YESNO.
SOOTH7	Solar used for some other use	107-		\$YESNO.
OTOTH7	Other source used for some other use	111-		\$YESNO.
PRAMTC7	Amount of propane used in 1999	113-		\$PRAMT.
PRAUNT7	Units for propane amount	115-		\$PRUNIT.
WOAMT7	Amount of wood burned in 1999	117-		\$PRONII. \$WOAMT.
WOSRC7	How wood was obtained	119-		\$WOSRC.
MODICO /	110 W WOOD WAS OPCAILIED		エエン	~ MODI/O.

#### (File 6 continued)

Variable Name	Variable Description	<u>Position</u>	<u>Format</u>
WOEXP7 WOEXPC7 ADJWT7 PAIR7	Total dollars spent on wood in 1999 Total \$\$\$ spent on wood in 1999 category Adjusted weight Pair member	121- 126 128- 128 130- 137 139- 139	MISS6CH. \$WODOLS.
STRATUM7	Variance stratum	141- 142	

### Layout for File 7: Lighting Percents, Equipment, and Conservation Features

Variable Name	<u>Variable Description</u>	Posi	ition	Format
PUBID7	Building identifier	1-	5	
REGION7	Census region	7-	7	\$REGION.
CENDIV7	Census division	9-	9	\$CENDIV.
SQFT7	Square footage	11-	20	MISS10CH.
SQFTC7	Square footage category	22-	23	\$SOFTCAT.
YRCONC7	Year of construction category	25-	26	\$YEARCAT.
PBA7	Principal building activity	28-	29	\$PBA.
ELUSED7	Electricity used in 1999	31-	31	\$YESNO.
NGUSED7	Natural gas used in 1999	33-	33	\$YESNO.
FKUSED7	Fuel oil used in 1999	35-	35	\$YESNO.
PRUSED7	Propane used in 1999	37-	37	\$YESNO.
STUSED7	District steam used in 1999	39-	39	\$YESNO.
HWUSED7	District hot water used in 1999	41-	41	\$YESNO.
LTOHRP7	Percent of building lit when open	43-	45	MISS3CH.
LOHRPC7	Percent lit when open category	47-	47	\$LIT1CAT.
LTNHRP7	Percent of building lit during off hours	49-	51	MISS3CH.
LNHRPC7	Percent lit off hours category	53-	53	\$LIT2CAT.
RDLTNF7	Reduce lighting during off hours	55-	55	\$YESNO.
BULB7	Incandescent light bulbs used	57 <b>-</b>	57	\$YESNO.
FLUOR7	Fluorescent lighting used	59 <b>-</b>	59	\$YESNO.
CFLR7	Compact fluorescent bulbs used	61-	61	\$YESNO.
HID7	High intensity discharge lights used	63-	63	\$YESNO.
HALO7	Halogen bulbs used	65-	65	\$YESNO.
OTLT7	Other lighting used	67-	67	\$YESNO.
FLUORP7	Percent lit by fluorescent	69-	71	MISS3CH.
CFLRP7	Percent lit by compact fluorescent	73-	75	MISS3CH.
BULBP7	Percent lit by incandescent	77-	79	MISS3CH.
HALOP7	Percent lit by halogen	81-	83	MISS3CH.
HIDP7	Percent lit by high intensity discharge	85-	87	MISS3CH.
OTLTP7	Percent lit by other lighting	89-	91	MISS3CH.
SREF7	Specular reflectors used	93-	93	\$YESNO.
HEB7	Electronic ballasts used	95-	95	\$YESNO.
SKYLT7	Skylights/atriums designed for light	97-	97	\$YESNO.
WINTYP7	Type of windows in building	99-	99	\$WINDTYP.
TRG7	Tinted or reflective glass in windows	101-	101	\$YESNO.
ADJWT7	Adjusted weight	103-	110	
PAIR7	Pair member	112-	112	
STRATUM7	Variance stratum	114-	115	

### Layout for File 8: Imputation Flags for File 1

Variable Name	Variable Description	Posi	<u>ition</u>	<u>Format</u>
PUBID7	Building identifier	1-	5	
REGION7	Census region	7-	7	\$REGION.
CENDIV7	Census division	9-	9	\$CENDIV.
SQFT7	Square footage	11-	20	MISS10CH.
SQFTC7	Square footage category	22-	23	\$SQFTCAT.
YRCONC7	Year of construction category	25-	26	SYEARCAT.
PBA7	Principal building activity	28-	29	\$PBA.
ELUSED7	Electricity used in 1999	31-	31	\$YESNO.
NGUSED7	Natural gas used in 1999	33-	33	\$YESNO.
FKUSED7	Fuel oil used in 1999	35-	35	\$YESNO.
PRUSED7	Propane used in 1999	37-	37	\$YESNO.
STUSED7	District steam used in 1999	39-	39	\$YESNO.
HWUSED7	District hot water used in 1999	41-	41	\$YESNO.
ZSQFT7	Imputed square footage	43-	43	\$ZVAR.
ZSQFTC7	Imputed square footage category	45-	45	\$ZVAR.
ZNFLOOR7	Imputed number of floors	47-	47	\$ZVAR.
ZYRCON7	Imputed year construction was completed	49-	49	\$ZVAR.
ZYRCONC7	Imputed year of construction category	51-	51	\$ZVAR.
ZGOVOWN7	Imputed owned by government agency	53-	53	\$ZVAR.
ZGOVTYP7	Imputed type of government agency	55-	55	\$ZVAR.
ZNOCC7	Imputed number of estabs/organizations	57-	57	\$ZVAR.
ZNOCCAT7	Imputed number of estabs/orgs category	59-	59	\$ZVAR.
ZOWNOCC7	Imputed occupied by the owner	61-	61	\$ZVAR.
ZOWNREP7	Imputed owner employs someone in bldg	63-	63	\$ZVAR.
ZMONUSE7	Imputed months in use calendar year 1999	65-	65	\$ZVAR.
ZPORVAC7	Imputed space vacant 3 months in a row	67-	67	\$ZVAR.
ZWKHRS7	Imputed total weekly operating hours	69-	69	\$ZVAR.
ZWKHRSC7	Imputed total weekly operating hrs cat.	71-	71	\$ZVAR.
ZNWKER7	Imputed total employees main shift	73-	73	\$ZVAR.
ZNWKERC7	Imputed total employees main shift cat.	75-	75	\$ZVAR.
ZELUSED7	Imputed electricity used in 1999	77-	77	\$ZVAR.
ZNGUSED7	Imputed natural gas used in 1999	79-	79	\$ZVAR.
ZFKUSED7	Imputed fuel oil used in 1999	81-	81	\$ZVAR.
ZPRUSED7	Imputed propane used in 1999	83-	83	\$ZVAR.
ZSTUSED7	Imputed district steam used in 1999	85-	85	\$ZVAR.
ZHWUSED7	Imputed district hot water used in 1999	87-	87	\$ZVAR.
ZHT17	Imputed energy used for main heating	89-	89	\$ZVAR.
ZHT27	Imputed energy for secondary heating	91-	91	\$ZVAR.
ZCOOL7	Imputed energy used for cooling	93-	93	\$ZVAR.
ZWATR7	Imputed energy used for hot water	95-	95	\$ZVAR.
ZCOOK7	Imputed energy used for cooking	97-	97	\$ZVAR.
ZMANU7	Imputed energy used for manufacturing	99-	99	\$ZVAR.
ZGENR7	Imputed energy used to generate elec	101-		\$ZVAR.
ZHEATP7	Imputed percent heated in 1999	103-		\$ZVAR.
ZHTLS507	Imputed building heated to < 50 degrees	105-		\$ZVAR.
ZCOOLP7	Imputed percent cooled in 1999	107-		\$ZVAR.
ADJWT7	Adjusted weight	109-		
PAIR7	Pair member	118-		
STRATUM7	Variance stratum	120-	121	

### Layout for File 9: Imputation Flags for File 2

Variable Name	Variable Description	Posi	tion	<u>Format</u>
PUBID7	Building identifier	1-	5	
REGION7	Census region	7-	7	\$REGION.
CENDIV7	Census division	9-	9	\$CENDIV.
-		11-	20	MISS10CH.
SQFT7	Square footage	22-	23	
SQFTC7	Square footage category	25-	23 26	\$SQFTCAT.
YRCONC7	Year of construction category	28-		\$YEARCAT.
PBA7	Principal building activity	28- 31-	29	\$PBA.
ELUSED7	Electricity used in 1999		31	\$YESNO.
NGUSED7	Natural gas used in 1999	33-	33	\$YESNO.
FKUSED7	Fuel oil used in 1999	35-	35	\$YESNO.
PRUSED7	Propane used in 1999	37-	37	\$YESNO.
STUSED7	District steam used in 1999	39-	39	\$YESNO.
HWUSED7	District hot water used in 1999	41-	41	\$YESNO.
ZRWSEAT7	Imputed religious worship seat capacity	43-	43	\$ZVAR.
ZPBSEAT7	Imputed public assembly seating capacity	45-	45	\$ZVAR.
ZEDSEAT7	Imputed total seats in classrooms	47-	47	\$ZVAR.
ZFDSEAT7	Imputed food service seating capacity	49-	49	\$ZVAR.
ZHCBED7	Imputed inpatient licensed bed capacity	51-	51	\$ZVAR.
ZNRSBED7	Imputed skilled care bed capacity	53-	53	\$ZVAR.
ZLODGRM7	Imputed number of guest/occupant rooms	55-	55	\$ZVAR.
ZFACIL7	Imputed part of a campus or complex	57-	57	\$ZVAR.
ZFEDFAC7	Imputed campus/complex federal govt	59 <b>-</b>	59	\$ZVAR.
ZFACACT7	Imputed facility activity	61-	61	\$ZVAR.
ZMANIND7	Imputed facility manufact. industrial	63-	63	\$ZVAR.
ZMANFAC7	Imputed bldg has same owner as complex	65-	65	\$ZVAR.
ZPLANT7	Imputed campus/complex has central plant	67-	67	\$ZVAR.
ZFACDST7	Imputed cntrl plant produces dist steam	69-	69	\$ZVAR.
ZFACDHW7	Imputed cntrl plnt produces dist hot wtr	71-	71	\$ZVAR.
ZFACDCW7	Imputed cntrl plnt produces chill wtr	73-	73	\$ZVAR.
ZFACELC7	Imputed central plant produces elec	75-	75	\$ZVAR.
ZBLDPLT7	Imputed central plant located in bldg	77-	77	\$ZVAR.
ADJWT7	Adjusted weight	79-	86	
PAIR7	Pair member	88-	88	
STRATUM7	Variance stratum	90-	91	

### Layout for File 10: Imputation Flags for File 3

<u>Variable Name</u>	Variable Description	Posi	tion	Format
PUBID7	Building identifier	1-	5	
REGION7	Census region	7-	7	\$REGION.
CENDIV7	Census division	9-	9	\$CENDIV.
SQFT7	Square footage	11-	20	MISS10CH.
SQFTC7	Square footage category	22-	23	\$SQFTCAT.
YRCONC7	Year of construction category	25-	26	\$YEARCAT.
PBA7	Principal building activity	28-	29	\$PBA.
ELUSED7	Electricity used in 1999	31-	31	\$YESNO.
NGUSED7	Natural gas used in 1999	33-	33	\$YESNO.
FKUSED7	Fuel oil used in 1999	35-	35	\$YESNO.
PRUSED7	Propane used in 1999	37-	37	\$YESNO.
STUSED7	District steam used in 1999	39-	39	\$YESNO.
HWUSED7	District hot water used in 1999	41-	41	\$YESNO.
ZFURNAC7	Imputed furnaces that heat air used	43-	43	\$ZVAR.
ZHTPMPH7	Imputed heat pumps used for heating	45-	45	\$ZVAR.
ZSLFCON7	Imputed individual space heaters used	47-	47	\$ZVAR.
ZSTHW7	Imputed dist steam/hot water piped in	49-	49	\$ZVAR.
ZBOILER7	Imputed boilers used	51-	51	\$ZVAR.
ZPKGHT7	Imputed packaged heating units used	53-	53	\$ZVAR.
ZOTHTEQ7	Imputed some other heating equip used	55 <b>-</b>	55	\$ZVAR.
ZFURNP7	Imputed pct heated by furnace	57 <b>-</b>	57	\$ZVAR.
ZHTPHP7	Imputed pct heated by heat pump	59 <b>-</b>	59	\$ZVAR.
ZSLFCNP7	Imputed pct heated by indiv space heater	61-	61	\$ZVAR.
ZSTHWP7	Imputed pct heated by dist steam/hot wtr	63-	63	\$ZVAR.
ZBOILP7	Imputed pct heated by boiler	65-	65	\$ZVAR.
ZPKGHP7	Imputed pct heated by packaged heating	67-	67	\$ZVAR.
ZOTHTP7	Imputed pct heated by other heat equip	69-	69	\$ZVAR.
ZMAINHT7	Imputed main heating equipment	71-	71	\$ZVAR.
ZNWHTEQ7	Imputed mn ht equip replaced since 1995	73-	73	\$ZVAR.
ZRDHTNF7	Imputed reduce heating during off hours	75-	75	\$ZVAR.
ZRCAC7	Imputed central a/c used	77-	77	\$ZVAR.
ZHTPMPC7	Imputed heat pumps used for cooling	79-	79	\$ZVAR.
ZACWNWL7	Imputed individual window/wall a/c used	81-	81	\$ZVAR.
ZCHWT7	Imputed district chilled water piped in	83-	83	\$ZVAR.
ZCHILLR7	Imputed central chillers used	85-	85	\$ZVAR.
ZPKGCL7	Imputed packaged cooling units used	87-	87	\$ZVAR.
ZEVAPCL7	Imputed swamp coolers used	89-	89	\$ZVAR.
ZOTCLEQ7	Imputed some other equip for cooling	91-	91	\$ZVAR.
ZRCACP7	Imputed pct cooled by central a/c	93-	93	\$ZVAR.
ZHTPCP7	Imputed pct cooled by heat pump	95-	95	\$ZVAR.
ZACWNWP7	Imputed pct cooled by indiv room a/c	97-	97	\$ZVAR.
ZCHWTP7	Imputed pct cooled by district hot water	99-	99	\$ZVAR.
ZCHILP7	Imputed pct cooled by central chillers	101-		\$ZVAR.
ZPKGCP7	Imputed pct cooled by packaged a/c	103-		\$ZVAR.
ZEVAPP7	Imputed pct cooled by swamp coolers	105-		\$ZVAR.
ZOTCLP7	Imputed pct cooled by other cool equip	107-		\$ZVAR.
ZMAINCL7	Imputed main cooling equipment	109-		\$ZVAR.
ZNWCLEQ7	Imputed mn cl equip replaced since 1995	111-		\$ZVAR.
ZRDCLNF7	Imputed reduce cooling during off hours	113-		\$ZVAR.
ZVAV7	Imputed variable air volume (VAV) syst	115-		\$ZVAR.
ZECN7	Imputed economizer cycle	117-		\$ZVAR.
ZMAINT7	Imputed preventive maintenance program	119-	119	\$ZVAR.

#### (File 10 continued)

Variable Name	Variable Description	Position	<u>Format</u>
ZEMCS7	Imputed energy mgmt and control system	121- 121	ŞZVAR.
ADJWT7	Adjusted weight	123- 130	
PAIR7	Pair member	132- 132	
STRATUM7	Variance stratum	134- 135	

### Layout for File 11: Imputation Flags for File 4

Variable Name	Variable Description	Posi	tion	<u>Format</u>
PUBID7	Building identifier	1-	5	
REGION7	Census region	7-	7	\$REGION.
CENDIV7	Census division	9-	9	\$CENDIV.
SOFT7	Square footage	11-	20	MISS10CH.
SQFTC7	Square footage category	22-	23	\$SQFTCAT.
YRCONC7	Year of construction category	25-	26	\$YEARCAT.
PBA7	Principal building activity	28-	29	\$PBA.
ELUSED7	Electricity used in 1999	31-	31	\$YESNO.
NGUSED7	Natural gas used in 1999	33-	33	\$YESNO.
FKUSED7	Fuel oil used in 1999	35-	35	\$YESNO.
PRUSED7	Propane used in 1999	37-	37	\$YESNO.
STUSED7	District steam used in 1999	39-	39	\$YESNO.
HWUSED7	District hot water used in 1999	41-	41	\$YESNO.
ZWTHTEQ7	Imputed type of water heating equipment	43-	43	\$ZVAR.
ZFDRM7	Imputed space for commercial food prep	45-	45	\$ZVAR.
ZHWTRM7	Imputed space requiring much hot water	47-	47	\$ZVAR.
ZMEDEQP7	Imputed medical diagnosis/treatment eqp	49-	49	\$ZVAR.
ZRFGEQP7	Imputed commercial refrig/freezer eqp	51-	51	\$ZVAR.
ZRFGWI7	Imputed walk-in refrigeration units	53-	53	\$ZVAR.
ZRFGWIN7	Imputed num walk-in refrigeration units	55-	55	\$ZVAR.
ZRFGOP7	Imputed open refrigerated cases/cabinets	57-	57	\$ZVAR.
ZRFGOPN7	Imputed num open refrig cases/cabinets	59-	59	\$ZVAR.
ZRFGCL7	Imputed closed refrig cases/cabinets	61-	61	\$ZVAR.
ZRFGCLN7	Imputed num closed refrig cases/cabinets	63-	63	\$ZVAR.
ZPCTERM7	Imputed computers used	65-	65	\$ZVAR.
ZPCNUM7	Imputed number of computers used	67-	67	\$ZVAR.
ZPCTRMC7	Imputed number of computers category	69-	69	\$ZVAR.
ZFAX7	Imputed FAX machines used	71-	71	\$ZVAR.
ZCOPIER7	Imputed photocopiers used	73-	73	\$ZVAR.
ZPRINTR7	Imputed laser printers used	75-	75	\$ZVAR.
ZCOPRN7	Imputed number of photocopiers used	77-	77	\$ZVAR.
ZRDOFEQ7	Imputed how often PCs/office equip off	79-	79	\$ZVAR.
ADJWT7	Adjusted weight	81-	88	
PAIR7	Pair member	90-	90	
STRATUM7	Variance stratum	92-	93	

### Layout for File 12: Imputation Flags for File 5

Variable Name	Variable Description	Posi	ition	<u>Format</u>
PUBID7	Building identifier	1-	5	
REGION7	Census region	7-	7	\$REGION.
CENDIV7	Census division	9-	9	\$CENDIV.
SQFT7	Square footage	11-	20	MISS10CH.
SQFTC7	Square footage category	22-	23	\$SQFTCAT.
YRCONC7	Year of construction category	25-	26	\$YEARCAT.
PBA7	Principal building activity	28-	29	\$PBA.
ELUSED7	Electricity used in 1999	31-	31	\$YESNO.
NGUSED7	Natural gas used in 1999	33-	33	\$YESNO.
FKUSED7	Fuel oil used in 1999	35-	35	\$YESNO.
PRUSED7	Propane used in 1999	37-	37	\$YESNO.
STUSED7	District steam used in 1999	39-	39	\$YESNO.
HWUSED7	District hot water used in 1999	41-	41	\$YESNO.
ZELHT17	Imputed electricity used for main heat	43-	43	\$ZVAR.
ZNGHT17	Imputed natural gas used for main heat	45-	45	\$ZVAR.
ZFKHT17	Imputed fuel oil used for main heat	47-	47	\$ZVAR.
ZPRHT17	Imputed propane used for main heat	49-	49	\$ZVAR.
ZSTHT17	Imputed dist steam used for main heat	51-	51	\$ZVAR.
ZHWHT17	Imputed dist hot water for main heat	53-	53	\$ZVAR.
ZELHT27	Imputed elec used for secondary heat	55-	55	\$ZVAR.
ZNGHT27	Imputed nat gas used for secondary heat	57-	57	\$ZVAR.
ZFKHT27	Imputed fuel oil used for secondary heat	59-	59	\$ZVAR.
ZPRHT27	Imputed propane used for secondary heat	61-	61	\$ZVAR.
ZSTHT27	Imputed dist steam for secondary heat	63-	63	\$ZVAR.
ZHWHT27	Imputed dist hot wtr for secondary heat	65-	65	\$ZVAR.
ZELCOOL7	Imputed electricity used for cooling	67-	67	\$ZVAR.
ZNGCOOL7	Imputed natural gas used for cooling	69-	69	\$ZVAR.
ZFKCOOL7	Imputed fuel oil used for cooling	71-	71	\$ZVAR.
ZPRCOOL7	Imputed propane used for cooling	73-	73	\$ZVAR.
ZSTCOOL7	Imputed district steam used for cooling	75-	75	\$ZVAR.
ZHWCOOL7	Imputed dist hot water used for cooling	77-	77	\$ZVAR.
ZELWATR7	Imputed electricity for water heating	79-	79	\$ZVAR.
ZNGWATR7	Imputed natural gas for water heating	81-	81	\$ZVAR.
ZFKWATR7	Imputed fuel oil for water heating	83-	83	\$ZVAR.
ZPRWATR7	Imputed propane used for water heating	85-	85	\$ZVAR.
ZSTWATR7	Imputed dist steam for water heating	87-	87	\$ZVAR.
ZHWWATR7	Imputed dist hot water for water heating	89-	89	\$ZVAR.
ZELCOOK7	Imputed electricity used for cooking	91-	91	\$ZVAR.
ZNGCOOK7	Imputed natural gas used for cooking	93-	93	\$ZVAR.
ZFKCOOK7	Imputed fuel oil used for cooking	95-	95	\$ZVAR.
ZPRCOOK7	Imputed propane used for cooking	97-	97	\$ZVAR.
ZSTCOOK7	Imputed district steam used for cooking	99-	99	\$ZVAR.
ZHWCOOK7	Imputed dist hot water used for cooking	101-		\$ZVAR.
ZELMANU7	Imputed elec used for manufacturing	103-		\$ZVAR.
ZNGMANU7	Imputed nat gas used for manufacturing	105-		\$ZVAR.
ZFKMANU7	Imputed fuel oil for manufacturing	107-		\$ZVAR.
ZPRMANU7	Imputed propane used for manufacturing	109-		\$ZVAR.
ZSTMANU7	Imputed dist steam for manufacturing	111-		\$ZVAR.
ZHWMANU7	Imputed dist hot water for manufacturing	113-		\$ZVAR.
ZNGGENR7	Imputed nat gas to generate electricity	115-		\$ZVAR.
ZFKGENR7	Imputed fuel oil to generate electricity	117- 119-		\$ZVAR.
ZPRGENR7	Imputed propane to generate electricity	119-	エエス	\$ZVAR.

#### (File 12 continued)

Variable Name	Variable Description	Position	<u>Format</u>
ZGENUSE7 ADJWT7 PAIR7	Imputed use of generated electricity Adjusted weight Pair member	121- 121 123- 130 132- 132	\$ZVAR.
STRATUM7	Variance stratum	134- 135	

## Layout for File 13: Imputation Flags for File 6

<u>Variable Name</u>	<u>Variable Description</u>	Pos	ition	<u>Format</u>
PUBID7	Building identifier	1-	5	
REGION7	Census region	7 –	7	\$REGION.
CENDIV7	Census division	9-	9	\$CENDIV.
SQFT7	Square footage	11-	20	MISS10CH.
SQFTC7	Square footage category	22-	23	\$SQFTCAT.
YRCONC7	Year of construction category	25-	26	\$YEARCAT.
PBA7	Principal building activity	28-	29	\$PBA.
ELUSED7	Electricity used in 1999	31-	31	\$YESNO.
NGUSED7	Natural gas used in 1999	33-	33	\$YESNO.
FKUSED7	Fuel oil used in 1999	35-	35	\$YESNO.
PRUSED7	Propane used in 1999	37-	37	\$YESNO.
STUSED7	District steam used in 1999	39-	39	\$YESNO.
HWUSED7	District hot water used in 1999	41-	41	\$YESNO.
ZCWUSED7	Imputed dist chilled water used in 1999	43-	43	\$ZVAR.
ZWOUSED7	Imputed wood used in 1999	45-	45	\$ZVAR.
ZCOUSED7	Imputed coal used in 1999	47-	47	\$ZVAR.
ZSOUSED7	Imputed solar used in 1999	49-	49	\$ZVAR.
ZOTUSED7	Imputed other energy source used in 1999	51-	51	\$ZVAR.
ZWOHT17	Imputed wood used for main heat	53-	53	\$ZVAR.
ZCOHT17	Imputed coal used for main heat	55-	55	\$ZVAR.
ZSOHT17	Imputed solar used for main heat	57-	57	\$ZVAR.
ZOTHT17	Imputed other source for main heat	59-	59	\$ZVAR.
ZWOHT27	Imputed wood used for secondary heat	61-	61	\$ZVAR.
ZCOHT27	Imputed coal used for secondary heat	63-	63	\$ZVAR.
ZSOHT27	Imputed solar used for secondary heat	65-	65	\$ZVAR.
ZOTHT27	Imputed other source for secondary heat	67-	67	\$ZVAR.
ZCWCOOL7	Imputed dist chilled water for cooling	69-	69	\$ZVAR.
ZOTCOOL7	Imputed other source used for cooling	71-	71	\$ZVAR.
ZWOWATR7	Imputed wood used for water heating	73-	73	\$ZVAR.
ZCOWATR7	Imputed coal used for water heating	75-	75	\$ZVAR.
ZSOWATR7	Imputed solar used for water heating	77-	77	\$ZVAR.
ZOTWATR7	Imputed other source for water heating	79-	79	\$ZVAR.
ZWOCOOK7	Imputed wood used for cooking	81-	81	\$ZVAR.
ZCOCOOK7	Imputed coal used for cooking	83-	83	\$ZVAR.
ZSOCOOK7	Imputed solar used for cooking	85-	85	\$ZVAR.
ZOTCOOK7	Imputed other source used for cooking	87-	87	\$ZVAR.
ZWOMANU7	Imputed wood used for manufacturing	89-	89	\$ZVAR.
ZCOMANU7	Imputed coal used for manufacturing	91-		\$ZVAR.
ZSOMANU7	Imputed solar used for manufacturing	93-	93	\$ZVAR.
ZOTMANU7	Imputed other source for manufacturing	95-	95	\$ZVAR.
ZWOGENR7	Imputed wood to generate electricity	97-	97	\$ZVAR.
ZCOGENR7	Imputed coal to generate electricity	99-	99	\$ZVAR.
ZSOGENR7	Imputed solar to generate electricity	101-		\$ZVAR.
ZOTGENR7	Imputed other source to generate elec	103-		\$ZVAR.
ADJWT7	Adjusted weight	105-		
PAIR7	Pair member	114-		
STRATUM7	Variance stratum	116-	T T /	

#### Layout for File 14: Imputation Flags for File 7

<u>Variable Name</u>	Variable Description	Posi	tion	<u>Format</u>
PUBID7	Building identifier	1-	5	
REGION7	Census region	7-	7	\$REGION.
CENDIV7	Census division	9-	9	\$CENDIV.
SQFT7	Square footage	11-	20	MISS10CH.
SQFTC7	Square footage category	22-	23	\$SQFTCAT.
YRCONC7	Year of construction category	25-	26	\$YEARCAT.
PBA7	Principal building activity	28-	29	\$PBA.
ELUSED7	Electricity used in 1999	31-	31	\$YESNO.
NGUSED7	Natural gas used in 1999	33-	33	\$YESNO.
FKUSED7	Fuel oil used in 1999	35-	35	\$YESNO.
PRUSED7	Propane used in 1999	37-	37	\$YESNO.
STUSED7	District steam used in 1999	39-	39	\$YESNO.
HWUSED7	District hot water used in 1999	41-	41	\$YESNO.
ZLTOHRP7	Imputed percent of bldg lit when open	43-	43	\$ZVAR.
ZLOHRPC7	Imputed percent lit when open category	45-	45	\$ZVAR.
ZLTNHRP7	Imputed percent lit during off hours	47-	47	\$ZVAR.
ZLNHRPC7	Imputed percent lit off hours category	49-	49	\$ZVAR.
ZBULB7	Imputed incandescent light bulbs used	51-	51	\$ZVAR.
ZFLUOR7	Imputed fluorescent lighting used	53-	53	\$ZVAR.
ZCFLR7	Imputed compact fluorescent bulbs used	55-	55	\$ZVAR.
ZHID7	Imputed high intensity discharge lights	57-	57	\$ZVAR.
ZHALO7	Imputed halogen bulbs used	59-	59	\$ZVAR.
ZOTLT7	Imputed other lighting used	61-	61	\$ZVAR.
ZFLUORP7	Imputed pct lit by fluorescent	63-	63	\$ZVAR.
ZCFLRP7	Imputed pct lit by compact fluorescent	65-	65	\$ZVAR.
ZBULBP7	Imputed pct lit by incandescent	67-	67	\$ZVAR.
ZHALOP7	Imputed pct lit by halogen	69-	69	\$ZVAR.
ZHIDP7	Imputed pct lit by HID	71-	71	\$ZVAR.
ZOTLTP7	Imputed percent lit by other lighting	73-	73	\$ZVAR.
ZSREF7	Imputed specular reflectors used	75-	75	\$ZVAR.
ZHEB7	Imputed electronic ballasts used	77-	77	\$ZVAR.
ZSKYLT7	Imputed skylights/atriums for light	79-	79	\$ZVAR.
ZWINTYP7	Imputed type of windows in building	81-	81	\$ZVAR.
ZTRG7	Imputed tinted/reflective glass windows	83-	83	\$ZVAR.
ADJWT7	Adjusted weight	85-	92	
PAIR7	Pair member	94-	94	
STRATUM7	Variance stratum	96-	97	

## Layout for File 15: Consumption and Expenditures for Sum of Major Fuels and Electricity

<u>Variable Name</u>	Variable Description	Posi	ition	<u>Format</u>
PUBID7	Building identifier	1-	5	
REGION7	Census region	7 –	7	\$REGION.
CENDIV7	Census division	9-	9	\$CENDIV.
SQFT7	Square footage	11-	20	MISS10CH.
SQFTC7	Square footage category	22-	23	\$SQFTCAT.
YRCONC7	Year of construction category	25-	26	\$YEARCAT.
PBA7	Principal building activity	28-	29	\$PBA.
ELUSED7	Electricity used in 1999	31-	31	\$YESNO.
NGUSED7	Natural gas used in 1999	33-	33	\$YESNO.
FKUSED7	Fuel oil used in 1999	35-	35	\$YESNO.
PRUSED7	Propane used in 1999	37-	37	\$YESNO.
STUSED7	District steam used in 1999	39-	39	\$YESNO.
HWUSED7	District hot water used in 1999	41-	41	\$YESNO.
ADJWT7	Adjusted weight	43-	50	
PAIR7	Pair member	52-	52	
STRATUM7	Variance stratum	54-	55	
HDD657	Heating Degree Day for 65 degrees	57-	62	COMMA6.
CDD657	Cooling Degree Day for 65 degrees	64-	69	COMMA6.
MFUSED7	Any major fuel used	71-	71	\$YESNO.
MFBTU7	Annual major fuel consumption (mBtu)	73-	90	COMMA18.
MFEXP7	Annual major fuel expenditures	92-	101	MISS10CH.
ELCNS7	Total kwh of electricity used in 1999	103-	117	MISS15CH.
ELBTU7	Annual electricity consumption (mBtu)	119-	136	COMMA18.
ELEXP7	Total dollars spent on elec. in 1999	138-	147	MISS10CH.
ZELCNS7	Electricity consumption imputation	149-	149	\$ZCNSEXP.
ZELEXP7	Electricity expenditures imputation	151-	151	\$ZCNSEXP.

## Layout for File 16: Consumption and Expenditures for Natural Gas, Fuel Oil, and District Heat

Variable Name	Variable Description	Positio	n <u>Format</u>
REGION7	Census region	7- 7	\$REGION.
CENDIV7	Census division	9- 9	\$CENDIV.
SQFT7	Square footage	11- 20	MISS10CH.
SQFTC7	Square footage category	22- 23	\$SQFTCAT.
YRCONC7	Year of construction category	25- 26	\$YEARCAT.
PBA7	Principal building activity	28- 29	\$PBA.
ELUSED7	Electricity used in 1999	31- 31	\$YESNO.
NGUSED7	Natural gas used in 1999	33- 33	\$YESNO.
FKUSED7	Fuel oil used in 1999	35- 35	\$YESNO.
PRUSED7	Propane used in 1999	37- 37	\$YESNO.
STUSED7	District steam used in 1999	39- 39	\$YESNO.
HWUSED7	District hot water used in 1999	41- 41	\$YESNO.
ADJWT7	Adjusted weight	43- 50	
PAIR7	Pair member	52- 52	
STRATUM7	Variance stratum	54- 55	
NGCNS7	Total amount of natural gas used in 1999	57- 71	MISS15CH.
NGBTU7	Annual natural gas consumption (mBtu)	73- 90	COMMA18.
NGEXP7	Total dollars spent on nat. gas in 1999	92- 101	MISS10CH.
TRNGAS7	Building uses transportation gas	103- 103	\$YESNO.
ZNGCNS7	Natural gas consumption imputation	105- 105	\$ZCNSEXP.
ZNGEXP7	Natural gas expenditures imputation	107- 107	\$ZCNSEXP.
FKCNS7	Total gallons of fuel oil used in 1999	109- 123	MISS15CH.
FKBTU7	Annual fuel oil consumption (mBtu)	125- 142	COMMA18.
FKEXP7	Total dollars spent on fuel oil in 1999	144- 153	MISS10CH.
ZFKCNS7	Fuel oil consumption imputation	155- 155	\$ZCNSEXP.
ZFKEXP7	Fuel oil expenditures imputation	157- 157	\$ZCNSEXP.
DHUSED7	District heat (steam/hot water) used	159- 159	\$YESNO.
DHHT17	District heat used for main heating	161- 161	\$YESNO.
DHHT27	District heat used for secondary heating	163- 163	\$YESNO.
DHCOOL7	District heat used for cooling	165- 165	\$YESNO.
DHWATR7	District heat used for water heating	167- 167	\$YESNO.
DHCOOK7	District heat used for main heating	169- 169	\$YESNO.
DHMANU7	District heat used for manufacturing	171- 171	\$YESNO.
DHOTH7	District heat used for some other use	173- 173	\$YESNO.
DHCNS7	Annual district heat consumption (mlbs.)	175- 189	MISS15CH.
DHBTU7	Annual district heat consumption (mBtu)	191- 208	COMMA18.
DHEXP7	Annual district heat expenditures	210- 219	MISS10CH.
ZDHCNS7	District heat consumption imputation	221- 221	\$ZCNSEXP.
ZDHEXP7	District heat expenditures imputation	223- 223	\$ZCNSEXP.

#### **Format Codes for All Variables**

```
VALUE $CENDIV
 '1'='New England'
  '2'='Middle Atlantic'
  '3'='East North Central'
  '4'='West North Central'
  '5'='South Atlantic'
  '6'='East South Central'
  '7'='West South Central'
  '8'='Mountain'
  '9'='Pacific'
VALUE $CLEOP
  '01'='Packaged air conditioning units'
  '02'='Heat pumps for cooling'
  '03'='Residential type central air conditioners'
  '04'='Individual room air conditioners'
  '05'='District chilled water'
  '06'='Central chillers inside the building'
  '07'='"Swamp" coolers or evaporative coolers'
  '08'='Some other cooling equipment'
VALUE $CLIMAT
  '1'='<2000 CDD,>7000 HDD'
  '2'='<2000 CDD,5500-7000 HDD'
  '3'='<2000 CDD,4000-5499 HDD'
  '4'='<2000 CDD,<4000 HDD'
  '5'='>=2000 CDD,<4000 HDD'
VALUE $DAYSOPN
  '1'='Open all five days (Mon-Fri)'
  '2'='Open some of these days (Mon-Fri)'
  '3'='Not open at all (Mon-Fri)'
VALUE $EOPOFF
  '1'='Always turned off'
  '2'='Sometimes turned off'
  '3'='Never turned off'
  '4'='COMPUTERS ARE "POWERED DOWN"'
  '7'='Not Ascertained'
  '9'='Don''t Know'
```

```
VALUE $FACACT
  '01'='College, university, or junior college'
  '02'='Primary or secondary school (grades K-12)'
  '03'='Other type of school'
  '04'='Office complex'
  '05'='Retail complex'
  '06'='Religious campus or complex'
  '07'='Hospital or other health care complex'
  '08'='Post office'
  '09'='Other type of government complex'
  '10'='Industrial complex'
  '11'='Transportation complex (e.g. terminal, depot, airport)'
  '12'='Some other type of campus or complex'
VALUE $GENUSE
  '1'='Primarily for emergency back-up'
  '2'='Only during periods of high electricity demand'
  '3'='Whenever electricity was used'
VALUE $GOVTYP
  '1'='Federal government'
  '2'='State government'
  '3'='Local government'
VALUE $HTEQP
  '01'='Packaged heating units'
  '02'='Heat pumps, other than packaged units'
  '03'='Furnaces that heat air directly'
  '04'='Individual space heaters'
  '05'='District steam or hot water'
  '06'='Boilers inside the building'
  '07'='Some other heating equipment'
VALUE $HRSCAT
  '1'='Zero'
  '2'='1 to 39'
  '3'='40 to 48'
  '4'='49 to 60'
  '5'='61 to 84'
  '6'='85 to 167'
  '7'='Always open'
VALUE $LIT1CAT
  '1'='1 to 25 percent'
  '2'='26 to 50 percent'
  '3'='51 to 75 percent'
  '4'='76 to 100 percent'
  '5'='Not lit at all when open'
VALUE $LIT2CAT
  '1'='1 to 25 percent'
  '2'='26 to 50 percent'
  '3'='51 to 75 percent'
  '4'='76 to 100 percent'
  '5'='Not lit at all during off hours'
```

```
PICTURE MISS2CH
 0-96 = '09'
   97 = 'Not ascertained'
   98 = 'Refused'
   99 = 'Don''t know'
PICTURE MISS3CH
 0-996 = '009'
   997 = 'Not ascertained'
   998 = 'Refused'
   999 = 'Don''t know'
PICTURE MISS4CH
  0-9996 = '0,009'
    9997 = 'Not ascertained'
    9998 = 'Refused'
    9999 = 'Don''t know'
PICTURE MISS5CH
 0-99996 = '00,009'
   99997 = 'Not ascertained'
   99998 = 'Refused'
   99999 = 'Don''t know'
PICTURE MISS6CH
 0-999996 = '000,009'
   999997 = 'Not ascertained'
   999998 = 'Refused'
   999999 = 'Don''t know'
PICTURE MISS8CH
 0-99999996 = '00,000,009'
   99999997 = 'Not ascertained'
   99999998 = 'Refused'
   99999999 = 'Don''t know'
PICTURE MISS10CH
 9999999997 = 'Not ascertained'
   999999999 = 'Refused'
   9999999999 = 'Don''t know'
PICTURE MISS15CH
 99999999999999 = 'Refused'
   9999999999999999999 = 'Don''t Know'
VALUE $MONCON
 '01'='Jan-Mar'
  '02'='Apr-June'
 '03'='July-Sept'
 '04'='Oct-Dec'
 '99'='Don''t Know'
```

```
PICTURE NFLOOR
   0-14 = '009'
    991 = '15 to 25' (NOEDIT)
    992 = 'Over 25' (NOEDIT)
   9997 = 'Not ascertained'
   9998 = 'Refused'
   9999 = 'Don''t know'
VALUE $NOCCCAT
  '01'='Zero'
  '02'='One'
  '03'='2 to 5'
  '04'='6 to 10'
  '05'='11 to 20'
  '06'='21 to 50'
  '07'='51 to 100'
  '08'='More than 100'
 VALUE $PBA
  '01'='Vacant'
  '14'='Education'
  '24'='Enclosed mall'
  '06'='Food sales'
  '15'='Food service'
  '16'='Health care (inpatient)'
  '18'='Lodging'
  '04'='Laboratory'
  '05'='Warehouse (nonrefrig.)'
  '02'='Office/Professional'
  '08'='Health care (outpatient)'
  '13'='Public assembly'
  '07'='Public order and safety'
  '11'='Warehouse (refrig.)'
  '12'='Religious worship'
  '25'='Retail (excl. mall)'
  '26'='Service'
  '17'='Skilled nursing'
  '23'='Strip shopping mall'
  '91'='Other'
```

```
VALUE $PBAPLUS
  '01'='Administrative/Professional office'
  '02'='Auto dealership/Showroom'
  '03'='Auto service/Auto repair'
  '04'='Bank/Financial'
  '05'='Clinic/Outpatient health'
  '06'='College/University'
  '07'='Courthouse/Probation office'
  '08'='Doctor/Dentist office'
  '09'='Dormitory/Fraternity/Sorority'
  '10'='Dry cleaner/Laundromat'
  '11'='Elementary/Middle/High school'
  '12'='Enclosed mall'
  '13'='Entertainment (Theater/Sports arena/Nightclub)'
  '14'='Fire station/Police station'
  '15'='Government office'
  '16'='Grocery store/Food market'
  '17'='Hospital/Inpatient health'
  '18'='Hotel'
  '19'='Jail/Reformatory/Penitentiary'
  '20'='Laboratory'
  '21'='Library/Museum'
  '22'='Motel/Inn/Resort'
  '23'='Non-refrigerated warehouse'
  '24'='Nursing home/Assisted living'
  '25'='Other education'
  '26'='Other food sales or service'
  '27'='Other health care'
  '28'='Other lodging'
  '29'='Other office'
  '30'='Other public assembly'
  '31'='Other public order and safety'
  '32'='Other retail'
  '33'='Other service'
  '34'='Post office/Postal center'
  '35'='Preschool/Daycare'
  '36'='Recreation (Gymnasium/Bowling alley/Health club)'
  '37'='Refrigerated warehouse'
  '38'='Religious worship'
  '39'='Repair shop'
  '40'='Restaurant/Bar/Fast food/Cafeteria'
  '41'='Social meeting center/Convention center'
  '42'='Store'
  '43'='Strip shopping center'
  '44'='Vacant'
  '45'='Other'
```

```
VALUE $PBAX
  '11'='Office'
  '12'='Warehouse'
  '13'='Food sales or service'
  '14'='Retail'
  '15'='Education'
  '16'='Worship'
  '17'='Public assembly'
  '18'='Health care'
  '19'='Service'
  '20'='Lodging'
  '21'='Public order'
  '22'='Residential'
  '23'='Industrial'
  '24'='Agricultural'
  '25'='Vacant'
  '26'='Other'
VALUE $PCCAT
  '01'='1 to 4'
  '02'='5 to 9'
  '03'='10 to 19'
  '04'='20 to 49'
  '05'='50 to 99'
  '06'='100 to 249'
  '07'='250 to 499'
  '08'='500 to 999'
  '09'='1,000 to 2,499'
  '10'='2,500 to 4,999'
  '11'='5,000 or more'
VALUE $PRAMT
  '1'='Less than 100'
  '2'='100 to 499'
  '3'='500 to 999'
  '4'='1,000 or more'
  '7'='Not Ascertained'
  '8'='Refused'
  '9'='Don''t Know'
VALUE $PRUNIT
  '1'='Gallons'
  '2'='Pounds'
  '7'='Not Ascertained'
  '8'='Refused'
  '9'='Don''t Know'
VALUE $REGION
  '1'='Northeast'
  '2'='Midwest'
  '3'='South'
  '4'='West'
```

```
VALUE $SQFTCAT
  '01'='1,000 sq ft or less'
  '02'='1,001 to 5,000 sq ft'
  '03'='5,001 to 10,000 sq ft'
  '04'='10,001 to 25,000 sq ft'
  '05'='25,001 to 50,000 sq ft'
  '06'='50,001 to 100,000 sq ft'
  '07'='100,001 to 200,000 sq ft'
  '08'='200,001 to 500,000 sq ft'
  '09'='500,001 to 1 million sq ft'
  '10'='Over 1 million sq ft'
VALUE $WATREQP
  '1'='One or more centralized water heaters'
  '2'='One or more "point-of-use" water heaters'
  '3'='Both centralized and point-of-use water heaters'
VALUE $WINDTYP
  '1'='Single paned windows,'
  '2'='Multi-paned windows'
  '3'='Both single and multi-paned windows'
  '4'='No windows in building'
VALUE $WOAMT
  '1'='Less than 1 cord'
  '2'='1 to 9 cords'
  '3'='10 to 20 cords'
  '4'='More than 20 cords'
  '7'='Not Ascertained'
  '9'='Don''t Know'
VALUE $WODOLS
  '1'='$1 to $100'
  '2'='$101 to $500'
  '3'='$501 to $1,000'
  '4' = '\$1,001 to \$2,000'
  '5'='Over $2,000'
  '7'='Not Ascertained'
  '9'='Don''t Know'
VALUE $WORKCAT
  '01'='None'
  '02'='1 to 4'
  '03'='5 to 9'
  '04'='10 to 19'
  '05'='20 to 49'
  '06'='50 to 99'
  '07'='100 to 249'
  '08'='250 to 499'
  '09'='500 to 999'
  '10'='1000 to 2499'
  '11'='2500 to 4999'
  '12'='5000 or More'
```

```
VALUE $WOSRC
  '1'='Purchase all the wood'
  '2'='Obtain all wood free of charge'
  '3'='Some wood purchased and some free'
VALUE $YEARCAT
  '01'='Before 1920'
  '02'='1920 to 1945'
  '03'='1946 to 1959'
  '04'='1960 to 1969'
  '05'='1970 to 1979'
  '06'='1980 to 1989'
  '07'='1990 to 1995'
  '08'='1996 to 1999'
  '09'='2000'
VALUE $YESNO
 '1'='Yes'
  '2'='No'
  '7'='Not Ascertained'
  '8'='Refused'
  '9'='Don''t Know'
VALUE $YES
  '1'='Yes'
  '9'='Don''t Know'
PICTURE YRCON
    0-1491 = '*9999*'
  1492 - 1999 = '9999'
  2000-9996 = '*9999*'
       9999 = 'Don''t know'
VALUE $ZCNSEXP
 '0' = 'Reported'
  '3' = 'Regression estimate'
  '9' = 'Not supplied'
VALUE $ZVAR
  '0'='Reported'
  '1'='Imputed'
  '9'='Inapplicable'
```