

1993 Federal Buildings Supplemental Survey
Survey Data File Documentation

Energy Information Administration

August 1997

Overview of Survey Data File Documentation

This document contains only the file layouts and variable codes for use with the 1993 Public Use files. For information on the FBSS and the organization and use of these files, please go to <http://www/eia.doe.gov/emeu/cbecs/contents.html> and click on: "1993 Micro-Data Files."

Layout of Data Files

A file layout is provided here for each of the 22 files. Column 1 is the variable name that is found in the files; column 2 is a brief description of the variable; column 3 is the variable position on the files.

Variable Codes

For these files, there is a listing of the codes that should be linked to the answer categories for each variable. If there are no codes listed after a variable, this indicates that the variable is numeric.

Some of the files contain imputation flags, or "Z variables." These are variables that indicate whether or not the response on the corresponding non-Z variable was imputed, reported, inapplicable, or missing.

Every Z variable is coded the same way, so there are no variable code sections for files x through x. The core variables are still present on those files, and the codes for those variables can be found in any of the previous variable code sections. The coding for all Z variables is:

Inapplicable'=9
Imputed'=1
Reported'=2
Missing'=6

Layout for File 1: General Building Information and Energy End Uses
(FB94F01T.TXT & FB94F01D.DBF)

Variable Description		Variable Name Position			
CASEID	Building identifier	BLDGID5	1-	7	\$ 7.
REGION	Building federal region	FEDREG5	9-	9	\$FEDREG. \$ 1.
	Principal building activity	PBA5	11-	12	\$ACTIVITY. \$ 2.
A7	Square footage	SQFT5	14-	20	MISS9CH. 7.
A8	Square footage category	SQFTC5	22-	23	\$SQFTC. \$ 2.
A9	Number of floors	NFLOOR5	25-	27	MISS3CH. 3.
A12	Year construction was completed	YRCON5	29-	32	YRCON. 4.
A14	Year of construction category	YRCONC5	34-	35	\$YRCONC. \$ 2.
B2	Principal activity (int.obs.)	PBAOBS5	37-	38	\$ACTIVITY. \$ 2.
B2OTH	Q. B2: Other, specify	PBAOB15	40-	41	\$OTHCPBA. \$ 2.
B3A	Activities: vacant	VAC5	43-	43	\$YESNO. \$ 1.
B3B	ACTIVITIES: OFFICE/PROFESSIONAL	OFC5	45-	45	\$YESNO. \$ 1.
B3C	Activities: shopping/retail/service	RETL5	47-	47	\$YESNO. \$ 1.
B3D	Activities: laboratory	LAB5	49-	49	\$YESNO. \$ 1.
B3E	Activities: non-refrigerated warehouse	WRHSN5	51-	51	\$YESNO. \$ 1.
B3F	Activities: food sales	FDSL5	53-	53	\$YESNO. \$ 1.
B3G	Activities: public order and safety	PORD5	55-	55	\$YESNO. \$ 1.
B3H	Activities: outpatient health care	HCOUT5	57-	57	\$YESNO. \$ 1.
B3I	Activities: industrial	INDUS5	59-	59	\$YESNO. \$ 1.
B3J	Activities: agricultural purposes	AGRIC5	61-	61	\$YESNO. \$ 1.
B3K	Activities: refrigerated warehouse	WRHSR5	63-	63	\$YESNO. \$ 1.
B3L	Activities: religious worship	WORS5	65-	65	\$YESNO. \$ 1.
B3M	Activities: public assembly	PUBLIC5	67-	67	\$YESNO. \$ 1.
B3N	Activities: education	EDUC5	69-	69	\$YESNO. \$ 1.
B3O	Activities: food services	FDSVC5	71-	71	\$YESNO. \$ 1.
B3P	Activities: hospital/inpatient care	HCIN5	73-	73	\$YESNO. \$ 1.
B3Q	Activities: skilled nursing care	NURSE5	75-	75	\$YESNO. \$ 1.
B3R	Activities: hotel/motel/dormitory	LODGE5	77-	77	\$YESNO. \$ 1.
B3S	Activities: residential	RES5	79-	79	\$YESNO. \$ 1.
B3T	Activities: indoor enclosed garage	PARK5	81-	81	\$YESNO. \$ 1.
B3UNK	Activities: unknown others	OXPBA5	83-	83	\$YESNO. \$ 1.
B3DK	Activities: dont know	DKPBA5	85-	85	\$YESNO. \$ 1.
C1A	Electricity used in 1992	ELUSED5	87-	87	\$YESNO. \$ 1.
C1B	Natural gas used in 1992	NGUSED5	89-	89	\$YESNO. \$ 1.
C1C	Fuel oil used in 1992	FKUSED5	91-	91	\$YESNO. \$ 1.
C1E	District steam used in 1992	STUSED5	93-	93	\$YESNO. \$ 1.
C1F	District hot water in 1992	HWUSED5	95-	95	\$YESNO. \$ 1.
C1G	District chilled water in 1992	CWUSED5	97-	97	\$YESNO. \$ 1.
C3A	Main energy used for heating	HT15	99-	99	\$XXSUPL. \$ 1.
C3B	Secondary energy used for heating	HT25	101-	101	\$XXSUPL. \$ 1.
C3C	Energy used for cooling	COOL5	103-	103	\$XXSUPL. \$ 1.
C3D	Energy used for domestic hot water	WATR5	105-	105	\$XXSUPL. \$ 1.
C3E	Energy used for commercial cooking	COOK5	107-	107	\$XXSUPL. \$ 1.
C3F	Energy used for manufacturing	MANU5	109-	109	\$XXSUPL. \$ 1.
C3G	Energy used to generate electricity	GENR5	111-	111	\$XXSUPL. \$ 1.
D1	Percent heated in 1992	HEATP5	113-	115	HTCLP. 3.
D7	Percent cooled in 1992	COOLP5	117-	119	HTCLP. 3.
E14	Total weekly hours open	WKHRS5	121-	123	MISS3CH. 3.
E15	Total weekly hours open category	WKHRSC5	125-	125	\$WKHRSC. \$ 1.
E18	Number of workers (all shifts)	TOTWK5	127-	131	MISS5CH. 5.
E19	Number of workers category (all shifts)	TOTWKC5	133-	134	\$NWKERC. \$ 2.
F1	Wall construction material	WLCNS5	136-	137	\$WLCNS. \$ 2.
F2	Roof construction material	RFCNS5	139-	140	\$RFCNS. \$ 2.
F6	Percent glass on exterior	GLSSPC5	142-	142	\$GLSSPC. \$ 1.
G1	Percent lit during operating hours	LTOHRP5	144-	146	LTOHRP. 3.
ELECSECU	Annual electricity consumption (mBtu)	ELBTU5	148-	158	MISS11CH. 11.
NGASSECU	Annual natural gas consumption (mBtu)	NGBTU5	160-	170	MISS11CH. 11.
OILSECU	Annual fuel oil deliveries (mBtu)	FKBTU5	172-	182	MISS11CH. 11.
DSSECU	Annual steam consumption (mBtu)	STBTU5	184-	194	MISS11CH. 11.
DHWSECU	Annual hot water consumption (mBtu)	HWBTU5	196-	206	MISS11CH. 11.
STRATUM	Variance stratum	STRATUM5	208-	209	\$ 2.
WEIGHT	Adjusted weight	ADJWT5	211-	222	\$ 12.
	Annual major fuel expenditures	MFEXP5	224-	232	MISS9CH. 9.
	Annual major fuel consumption (mBtu)	MFBTU5	234-	244	MISS11CH. 11.

Variable Codes for File 1

BLDGID5 'BUILDING IDENTIFIER'
@ Columns 1 7 9999999 @

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FEDREG5 'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5 'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP' = 12
'PUBLIC ASSEMBLY' = 13
'EDUCATION' = 14
'FOOD SERVICES' = 15
'HOSPIT/INPAT HLTH SVCS' = 16
'SKIL NURS/RESIDTL CARE' = 17
'HOTEL/MOTEL/DORM' = 18
'RESIDENTIAL' = 19
'INDOOR ENCLSD PARK GAR' = 20
'OTHER' = 21
'ALL ACTIVITIES LT 75%' = 22
'DK IF ONE ACTIV GT 75%' = 98
SQFT5 'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'
@ Columns 14 20 9999999 @
9999998 = DONT KNOW
9999999 = NOT ASCERTAINED
SQFTC5 'GROSS SQUARE FOOTAGE, CATEGORY'
@ Columns 22 23 99 @
'10,000 OR LESS' = 03
'10,001 - 25,000' = 04
'25,001 - 50,000' = 05
'50,001 - 100,000' = 06
'100,001 - 200,000' = 07
'200,001 - 500,000' = 08
'500,001 - 1 MILLION' = 09
'OVER 1 MILLION' = 10
'DONT KNOW' = 98
NFLOOR5 'NUMBER OF FLOORS'
@ Columns 25 27 999 @
998 = DONT KNOW
999 = NOT ASCERTAINED
YRCON5 'YEAR CONSTRUCTION COMPLETED'
@ Columns 29 32 9999 @
9998 = DONT KNOW
9999 = NOT ASCERTAINED
YRCONC5 'YEAR CONSTRUCTION COMPLETED (CATEGORY)'
@ Columns 34 35 99 @
'1899 OR BEFORE' = 01
'1900-1919' = 02
'1920-1945' = 03
'1946-1959' = 04
'1960-1969' = 05
'1970-1979' = 06
'1980-1989' = 07
'1990-1992' = 08
'1993-1994' = 09
PBAOBS5 'PRINCIPAL ACTIVITY'
@ Columns 37 38 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11

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'RELIGIOUS WORSHIP'	=	12
'PUBLIC ASSEMBLY'	=	13
'EDUCATION'	=	14
'FOOD SERVICES'	=	15
'HOSPIT/INPAT HLTH SVCS'	=	16
'SKIL NURS/RESIDTL CARE'	=	17
'HOTEL/MOTEL/DORM'	=	18
'RESIDENTIAL'	=	19
'INDOOR ENCLSD PARK GAR'	=	20
'OTHER'	=	21
'ALL ACTIVITIES LT 75%'	=	22
'DK IF ONE ACTIV GT 75%'	=	98
PBAOB15 'Q. B2: OTHER, SPECIFY'		
@ Columns 40 41 99 @		
'VERBATIM LISTING'	=	95
'INAPPLICABLE'	=	97
'DONT KNOW'	=	98
'NOT ASCERTAINED'	=	99
VAC5 'ACTIVITIES: VACANT'		
@ Columns 43 43 9 @		
'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9
OFC5 'ACTIVITIES: OFFICE/PROFESSIONAL'		
@ Columns 45 45 9 @		
'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9
RETL5 'ACTIVITIES: SHOPPING/RETAIL/SERVICE'		
@ Columns 47 47 9 @		
'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9
LAB5 'ACTIVITIES: LABORATORY'		
@ Columns 49 49 9 @		
'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9
WRHSN5 'ACTIVITIES: NON-REFRIGERATED WAREHOUSE'		
@ Columns 51 51 9 @		
'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9
FDSL5 'ACTIVITIES: FOOD SALES'		
@ Columns 53 53 9 @		
'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9
PORD5 'ACTIVITIES: PUBLIC ORDER AND SAFETY'		
@ Columns 55 55 9 @		
'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9
HCOUT5 'ACTIVITIES: OUTPATIENT HEALTH CARE'		
@ Columns 57 57 9 @		
'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9
INDUS5 'ACTIVITIES: INDUSTRIAL'		
@ Columns 59 59 9 @		
'YES'	=	1

	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
AGRIC5	'ACTIVITIES: AGRICULTURAL PURPOSES'		
@	Columns	61 61 9 @	
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
WRHSR5	'ACTIVITIES: REFRIGERATED WAREHOUSE'		
@	Columns	63 63 9 @	
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
WORSH5	'ACTIVITIES: RELIGIOUS WORSHIP'		
@	Columns	65 65 9 @	
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
PUBLIC5	'ACTIVITIES: PUBLIC ASSEMBLY'		
@	Columns	67 67 9 @	
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
EDUC5	'ACTIVITIES: EDUCATION'		
@	Columns	69 69 9 @	
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
FDSVC5	'ACTIVITIES: FOOD SERVICES'		
@	Columns	71 71 9 @	
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
HCIN5	'ACTIVITIES: HOSPITAL/INPATIENT CARE'		
@	Columns	73 73 9 @	
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
NURSE5	'ACTIVITIES: SKILLED NURSING CARE'		
@	Columns	75 75 9 @	
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
LODGE5	'ACTIVITIES: HOTEL/MOTEL/DORMITORY'		
@	Columns	77 77 9 @	
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
RES5	'ACTIVITIES: RESIDENTIAL'		
@	Columns	79 79 9 @	
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
PARK5	'ACTIVITIES: INDOOR ENCLOSED GARAGE'		
@	Columns	81 81 9 @	
	'YES'		= 1

	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
EXPBA5	'ACTIVITIES: UNKNOWN OTHERS'		
@	Columns	83 83 9	@
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
DKPBA5	'ACTIVITIES: DONT KNOW'		
@	Columns	85 85 9	@
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
ELUSED5	'USE ELECTRICITY'		
@	Columns	87 87 9	@
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
NGUSED5	'USE NATURAL GAS'		
@	Columns	89 89 9	@
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
FKUSED5	'USE FUEL OIL, DIESEL, OR KEROSENE'		
@	Columns	91 91 9	@
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
STUSED5	'USE DISTRICT STEAM'		
@	Columns	93 93 9	@
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
HWUSED5	'USE DISTRICT HOT WATER'		
@	Columns	95 95 9	@
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
CWUSED5	'USE DISTRICT CHILLED WATER'		
@	Columns	97 97 9	@
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
HT15	'ENERGY SOURCE FOR MAIN HEAT'		
@	Columns	99 99 9	@
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
HT25	'ENERGY SOURCE FOR OTHER HEAT'		
@	Columns	101 101 9	@
	'YES'		= 1
	'NO'		= 2
	'INAPPLICABLE'		= 7
	'DONT KNOW'		= 8
	'NOT ASCERTAINED'		= 9
COOL5	'ENERGY SOURCE FOR AIR COND'		
@	Columns	103 103 9	@
	'YES'		= 1

	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
WATR5	'ENERGY SOURCE FOR DOM HOT WATER HEAT'	
@	Columns 105 105 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
COOK5	'ENERGY SOURCE FOR FOOD/COOK'	
@	Columns 107 107 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
MANU5	'ENERGY SOURCE FOR INDUSTRIAL ACT'	
@	Columns 109 109 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
GENR5	'ENERGY SOURCE TO GENERATE ELEC'	
@	Columns 111 111 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
HEATP5	'PRCNT HEATED TO AT LEAST 50 DEG'	
@	Columns 113 115 999 @	
	995 = HEATED LESS THAN 50 DEGREES	
	997 = INAPPLICABLE	
	998 = DONT KNOW	
	999 = NOT ASCERTAINED	
COOLP5	'PERCENT AIR CONDITIONED'	
@	Columns 117 119 999 @	
	997 = INAPPLICABLE	
	998 = DONT KNOW	
	999 = NOT ASCERTAINED	
WKHRS5	'TOTAL OPERATING HRS PER WEEK'	
@	Columns 121 123 999 @	
	997 = INAPPLICABLE	
	998 = DONT KNOW	
	999 = NOT ASCERTAINED	
WKHRSC5	'TOTAL OPERATING HRS PER WEEK (CATEGORY)'	
@	Columns 125 125 9 @	
	'1-39 HOURS'	= 1
	'40-48 HOURS'	= 2
	'49-60 HOURS'	= 3
	'61-84 HOURS'	= 4
	'85-167 HOURS'	= 5
	'OPEN CONTINUOUSLY'	= 6
	'INAPPLICABLE'	= 7
TOTWK5	'NUM OF PEOPLE WHO WORK IN BLDG'	
@	Columns 127 131 99999 @	
	99997 = INAPPLICABLE	
	99998 = DONT KNOW	
	99999 = NOT ASCERTAINED	
TOTWKC5	'NUM OF PEOPLE WHO WORK IN BLDG (CATEGORY)'	
@	Columns 133 134 99 @	
	'NONE'	= 01
	'1-4'	= 02
	'5-9'	= 03
	'10-19'	= 04
	'20-49'	= 05
	'50-99'	= 06
	'100-249'	= 07
	'250-499'	= 08
	'500-999'	= 09
	'1,000-2,499'	= 10
	'2,500-4,999'	= 11
	'5,000 OR MORE'	= 12
	'INAPPLICABLE'	= 97

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'DONT KNOW' = 98
WLCNS5 'MAJOR EXTERIOR WALL CONSTRUCTION MATERL'
@ Columns 136 137 99 @
'WINDOW OR VISION GLASS' = 01
'DECOR, CONSTRUCT GLASS' = 02
'SHEET METAL PANELS' = 03
'PRECAST CONCRETE PANLS' = 04
'BRICK,OTHER MASONRY' = 05
'ALUMINUM ET AL' = 06
'OTHER, SPECIFY' = 07
'03 AND 05 CHOSEN' = 08
'05 AND 06 CHOSEN' = 09
'DONT KNOW' = 98
'NOT ASCERTAINED' = 99
RFCNS5 'MAJOR EXTERIOR ROOF CONSTRUCTION MATERL'
@ Columns 139 140 99 @
'WOOD SHINGL, OTHR WOOD' = 01
'SLATE OR TILE SHINGLES' = 02
'ASPHALT, OTHR SHINGLES' = 03
'BUILT-UP' = 04
'METAL SURFACING' = 05
'PLSTC OR SYNTHTC SHEET' = 06
'CONCRETE' = 07
'OTHER, SPECIFY' = 08
'03 AND 05 CHOSEN' = 09
'03 AND 04 CHOSEN' = 10
'04 AND 06 CHOSEN' = 11
'02 AND 03 CHOSEN' = 12
'03 AND 06 CHOSEN' = 13
'04 AND 05 CHOSEN' = 14
'DONT KNOW' = 98
'NOT ASCERTAINED' = 99
GLSSPC5 'PERCENT OF EXTERIOR WALL WITH GLASS'
@ Columns 142 142 9 @
'50% OR LESS' = 1
'MORE THAN 50%' = 4
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
LTOHRP5 'PRCNT LIT ELECTRCLY WHEN OPERATING'
@ Columns 144 146 999 @
991 = NO OPERATING HOURS
997 = INAPPLICABLE
998 = DONT KNOW
999 = NOT ASCERTAINED
ELBTU5 'ELEC: STDRD ENRGY CONTNT UNIT, MBTU'
@ Columns 148 158 999999999 @
9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
NGBTU5 'NAT GAS: STDRD ENRGY CONTNT UNIT, MBTU'
@ Columns 160 170 999999999 @
9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
FKBTU5 'FUEL OIL: STDRD ENRGY CONTNT UNIT, MBTU'
@ Columns 172 182 999999999 @
9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
STBTU5 'DIST STM: STDRD ENRGY CONTNT UNIT, MBTU'
@ Columns 184 194 999999999 @
9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
HWBTU5 'DIST HW: STDRD ENRGY CONTNT UNIT, MBTU'
@ Columns 196 206 999999999 @
9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
STRATUM5 'STRATUM NUMBER'
@ Columns 208 209 99 @
'DOD: WEST VA, VA' = 01
'DOD: DE, PA' = 02
'DOD: MD, DIST. OF COL.' = 03
'NON-DOD: WEST VA, VA' = 04
'NON-DOD: DE, PA' = 05
'NON-DOD: MD, DIST. OF COL.' = 06

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'DOD: OK, TX' = 07
'DOD: NM' = 08
'DOD: LA, AR' = 09
'NON-DOD: OK, TX' = 10
'NON-DOD: NM' = 11
'NON-DOD: LA, AR' = 12
'DOD: HI, CA' = 13
'DOD: AZ, NV' = 14
'NON-DOD: HI, CA' = 15
'NON-DOD: AZ, NV' = 16
ADJWTS 'BUILDING WEIGHT'
@ Columns 211 222 99999999999 @
MFEXP5 'TOTAL COST OF MAJOR FUEL USAGE'
@ Columns 224 232 999999999 @
RANGE = 1 TO 999999994

999999997 = INAPPLICABLE
999999998 = DONT KNOW
999999999 = NOT ASCERTAINED
MFBTU5 'MAJ FUELS: STDRD ENRGY CONTNT UNIT, MBTU'
@ Columns 234 244 99999999999 @
RANGE = 1620 TO 11906000000

99999999997 = INAPPLICABLE
99999999998 = DONT KNOW
99999999999 = NOT ASCERTAINED

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Layout for File 2: Building Activity Percent and Special Measures of Size
(FB94F02T.TXT & FB94F02D.DBF)

	Variable Description	Variable Name	Position		
CASEID	Building identifier	BLDGID5	1- 7	\$	7.
REGION	Building federal region	FEDREG5	9- 9	\$	1.
	Principal building activity	PBA5	11- 12	\$	2.
A7	Square footage	SQFT5	14- 20		7.
A8	Square footage category	SQFTC5	22- 23	\$	2.
A14	Year of construction category	YRCONC5	25- 26	\$	2.
B4A	Percent vacant	VACP5	28- 30		3.
B4B	Percent office	OFCP5	32- 34		3.
B4C	Percent retail/service	RETLP5	36- 38		3.
B4D	Percent laboratory	LABP5	40- 42		3.
B4E	Percent nonrefrigerated warehouse	WRHSCP5	44- 46		3.
B4F	Percent food sales	FDSLSP5	48- 50		3.
B4G	Percent public order and safety	PORDP5	52- 54		3.
B4H	Percent out-patient health care	HCOUTP5	56- 58		3.
B4I	Percent industrial	INDUSP5	60- 62		3.
B4J	Percent agricultural	AGRICP5	64- 66		3.
B4K	Percent refrigerated warehouse	WRHSCP5	68- 70		3.
B4L	Percent religious worship	WORSHP5	72- 74		3.
B4M	Percent public assembly	PUBLICP5	76- 78		3.
B4N	Percent educational	EDUCP5	80- 82		3.
B4O	Percent food service	FDSVCP5	84- 86		3.
B4P	Percent in-patient health care	HCINP5	88- 90		3.
B4Q	Percent skilled residential care	NURSEP5	92- 94		3.
B4R	Percent lodging	LODGP5	96- 98		3.
B4S	Percent residential	RESP5	100- 102		3.
B4T	Percent indoor parking garage	PARKP5	104- 106		3.
B5A1	First previous/intended activity	VACBA15	108- 109	\$	2.
B5L	Religious worship seating capacity	RWSEAT5	111- 114		4.
B5M	Public assembly seating capacity	PBSEAT5	116- 120		5.
B5N	Classroom seating capacity	EDSEAT5	122- 125		4.
B5O	Food service seating capacity	FDSEAT5	127- 130		4.
B5P	Licensed bed capacity (hospitals)	HCBED5	132- 135		4.
B5Q	Licensed bed capacity (skilled care)	NRSBED5	137- 139		3.
B5R	Number of guest rooms	LODGRM5	141- 144		4.
B8	PCs/computer terminals in building	PCTERM5	146- 146	\$	1.
B9	Number of PCs/computer terminals cat.	PCTRMC5	148- 149	\$	2.
C1A	Electricity used in 1992	ELUSED5	151- 151	\$	1.
C1B	Natural gas used in 1992	NGUSED5	153- 153	\$	1.
C1C	Fuel oil used in 1992	FKUSED5	155- 155	\$	1.
C1E	District steam used in 1992	STUSED5	157- 157	\$	1.
C1F	District hot water in 1992	HWUSED5	159- 159	\$	1.
C1G	District chilled water in 1992	CWUSED5	161- 161	\$	1.
E12	Months in use out of past 12 months	MONUSE5	163- 164		2.

E14	Total weekly hours open	WKHRS5	166- 168	MISS3CH.	3.
E15	Total weekly hours open category	WKHRSC5	170- 170	\$WKHRSC.	\$ 1.
E18	Number of workers (all shifts)	TOTWK5	172- 176	MISS5CH.	5.
STRATUM	Variance stratum	STRATUM5	178- 179		\$ 2.
WEIGHT	Adjusted weight	ADJWT5	181- 192		12.

Variable Codes for File 2

```

BLDGID5 'BUILDING IDENTIFIER'
@ Columns 1 7 999999 @
FEDREG5 'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5 'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP' = 12
'PUBLIC ASSEMBLY' = 13
'EDUCATION' = 14
'FOOD SERVICES' = 15
'HOSPIT/INPAT HLTH SVCS' = 16
'SKIL NURS/RESIDTL CARE' = 17
'HOTEL/MOTEL/DORM' = 18
'RESIDENTIAL' = 19
'INDOOR ENCLSD PARK GAR' = 20
'OTHER' = 21
'ALL ACTIVITIES LT 75%' = 22
'DK IF ONE ACTIV GT 75%' = 98
SQFT5 'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'
@ Columns 14 20 999999 @
9999998 = DONT KNOW
9999999 = NOT ASCERTAINED
SQFTC5 'GROSS SQUARE FOOTAGE, CATEGORY'
@ Columns 22 23 99 @
'10,000 OR LESS' = 03
'10,001 - 25,000' = 04
'25,001 - 50,000' = 05
'50,001 - 100,000' = 06
'100,001 - 200,000' = 07
'200,001 - 500,000' = 08
'500,001 - 1 MILLION' = 09
'OVER 1 MILLION' = 10
'DONT KNOW' = 98
YRCONC5 'YEAR CONSTRUCTION COMPLETED (CATEGORY)'
@ Columns 25 26 99 @
'1899 OR BEFORE' = 01
'1900-1919' = 02
'1920-1945' = 03
'1946-1959' = 04
'1960-1969' = 05
'1970-1979' = 06
'1980-1989' = 07
'1990-1992' = 08
'1993-1994' = 09
VACP5 'PERCENTAGE: VACANT'
@ Columns 28 30 999 @
997 = INAPPLICABLE
998 = DONT KNOW
999 = NOT ASCERTAINED
OFCP5 'PERCENTAGE: OFFICE/PROFESSIONAL'
@ Columns 32 34 999 @
997 = INAPPLICABLE
998 = DONT KNOW
999 = NOT ASCERTAINED

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RETLP5 'PERCENTAGE: SHOP CTR/MALL/RETAIL/SERVICE'
 @ Columns 36 38 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 LABP5 'PERCENTAGE: LABORATORY'
 @ Columns 40 42 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 WRHSP5 'PERCENTAGE: NON-REFRIGERATED WAREHOUSE'
 @ Columns 44 46 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 FDSLSP5 'PERCENTAGE: FOOD SALES'
 @ Columns 48 50 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 PORDP5 'PERCENTAGE: PUBLIC ORDER AND SAFETY'
 @ Columns 52 54 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 HCOUTP5 'PERCENTAGE: OUTPATIENT HEALTH SERVICES'
 @ Columns 56 58 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 INDUSP5 'PERCENTAGE: INDUSTRIAL PROCESSING'
 @ Columns 60 62 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 @
 AGRICP5 'PERCENTAGE: AGRICULTURAL PURPOSES'
 @ Columns 64 66 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 WRHSP5 'PERCENTAGE: REFRIGERATED WAREHOUSE'
 @ Columns 68 70 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 WORSHP5 'PERCENTAGE: RELIGIOUS WORSHIP'
 @ Columns 72 74 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 PUBLICP5 'PERCENTAGE: PUBLIC ASSEMBLY'
 @ Columns 76 78 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 EDUCP5 'PERCENTAGE: EDUCATION'
 @ Columns 80 82 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 FDSVCP5 'PERCENTAGE: FOOD SERVICES'
 @ Columns 84 86 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 HCINP5 'PERCENTAGE: HOSPITAL/INPATIENT CARE'
 @ Columns 88 90 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 NURSEP5 'PERCENTAGE: SKILLED NURSING CARE'
 @ Columns 92 94 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 LODGEP5 'PERCENTAGE: HOTEL/MOTEL/DORMITORY'

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@ Columns 96 98 999 @
997 = INAPPLICABLE
998 = DONT KNOW
999 = NOT ASCERTAINED
RESP5 'PERCENTAGE: RESIDENTIAL'
@ Columns 100 102 999 @
997 = INAPPLICABLE
998 = DONT KNOW
999 = NOT ASCERTAINED
PARKP5 'PERCENTAGE: INDOOR ENCLOSED GARAGE'
@ Columns 104 106 999 @
997 = INAPPLICABLE
998 = DONT KNOW
999 = NOT ASCERTAINED
VACBA15 'VACANT SPACE USE/INTENT, OPEN END'
@ Columns 108 109 99 @
'VERBATIM LISTING' = 95
'INAPPLICABLE' = 97
'DONT KNOW' = 98
'NOT ASCERTAINED' = 99
RWSEAT5 'RELIGIOUS WORSHIP SEATING CAPACITY'
@ Columns 111 114 9999 @
9997 = INAPPLICABLE
9998 = DONT KNOW
9999 = NOT ASCERTAINED
PBSEAT5 'PUBLIC ASSEMBLY SEATING CAPACITY'
@ Columns 116 120 99999 @
99997 = INAPPLICABLE
99998 = DONT KNOW
99999 = NOT ASCERTAINED
EDSEAT5 'CLASSROOM SEATING CAPACITY'
@ Columns 122 125 9999 @
9997 = INAPPLICABLE
9998 = DONT KNOW
9999 = NOT ASCERTAINED
FDSEAT5 'FOOD SERVICE SEATING CAPACITY'
@ Columns 127 130 9999 @
9997 = INAPPLICABLE
9998 = DONT KNOW
9999 = NOT ASCERTAINED
HCBED5 'HOSPITAL: LICENSED BED CAPACITY'
@ Columns 132 135 9999 @
9997 = INAPPLICABLE
9998 = DONT KNOW
9999 = NOT ASCERTAINED
NRSBED5 'SKILLED NURSING: LICENSED BED CAPACITY'
@ Columns 137 139 999 @
997 = INAPPLICABLE
998 = DONT KNOW
999 = NOT ASCERTAINED
LODGRM5 'NUMBER OF GUEST ROOMS'
@ Columns 141 144 9999 @
9997 = INAPPLICABLE
9998 = DONT KNOW
9999 = NOT ASCERTAINED
PCTERM5 'ANY PCS OR TERMINALS'
@ Columns 146 146 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PCTRMC5 'NUMBER OF PCS'
@ Columns 148 149 99 @
'1-4' = 01
'5-9' = 02
'10-19' = 03
'20-49' = 04
'50-99' = 05
'100-249' = 06
'250-499' = 07
'500-999' = 08
'1,000-2,499' = 09
'2,500-4,999' = 10
'5,000 OR MORE' = 11
'INAPPLICABLE' = 97
'DONT KNOW' = 98

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ELUSED5 'USE ELECTRICITY'
@ Columns 151 151 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
NGUSED5 'USE NATURAL GAS'
@ Columns 153 153 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
FKUSED5 'USE FUEL OIL, DIESEL, OR KEROSENE'
@ Columns 155 155 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
STUSED5 'USE DISTRICT STEAM'
@ Columns 157 157 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
HWUSED5 'USE DISTRICT HOT WATER'
@ Columns 159 159 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CWUSED5 'USE DISTRICT CHILLED WATER'
@ Columns 161 161 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
MONUSE5 'NUM OF MONTHS IN PAST YEAR BLDG IN USE'
@ Columns 163 164 99 @
00 = NOT IN USE DURING PAST 12 MOS
97 = INAPPLICABLE
98 = DONT KNOW
99 = NOT ASCERTAINED
WKHRS5 'TOTAL OPERATING HRS PER WEEK'
@ Columns 166 168 999 @
997 = INAPPLICABLE
998 = DONT KNOW
999 = NOT ASCERTAINED
WKHRSC5 'TOTAL OPERATING HRS PER WEEK (CATEGORY)'
@ Columns 170 170 9 @
'1-39 HOURS' = 1
'40-48 HOURS' = 2
'49-60 HOURS' = 3
'61-84 HOURS' = 4
'85-167 HOURS' = 5
'OPEN CONTINUOUSLY' = 6
'INAPPLICABLE' = 7
TOTWK5 'NUM OF PEOPLE WHO WORK IN BLDG'
@ Columns 172 176 99999 @
99997 = INAPPLICABLE
99998 = DONT KNOW
99999 = NOT ASCERTAINED
STRATUM5 'STRATUM NUMBER'
@ Columns 178 179 99 @
'DOD: WEST VA, VA' = 01
'DOD: DE, PA' = 02
'DOD: MD, DIST. OF COL.' = 03
'NON-DOD: WEST VA, VA' = 04
'NON-DOD: DE, PA' = 05
'NON-DOD: MD, DIST. OF COL.' = 06
'DOD: OK, TX' = 07
'DOD: NM' = 08

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'DOD: LA, AR'           = 09
'NON-DOD: OK, TX'       = 10
'NON-DOD: NM'           = 11
'NON-DOD: LA, AR'       = 12
'DOD: HI, CA'           = 13
'DOD: AZ, NV'           = 14
'NON-DOD: HI, CA'       = 15
'NON-DOD: AZ, NV'       = 16
ADJW5 'BUILDING WEIGHT'
@ Columns 181 192 99999999999 @

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Layout for File 3: Heating Equipment, Heating Distribution Equipment, Motors
(FB94F03T.TXT & FB94F03D.DBF)

Variable	Description	Variable Name	Position		
CASEID	Building identifier	BLDGID5	1- 7		\$ 7.
REGION	Building federal region	FEDREG5	9- 9	\$FEDREG.	\$ 1.
	Principal building activity	PBA5	11- 12	\$ACTIVITY.	\$ 2.
A7	Square footage	SQFT5	14- 20	MISS9CH.	7.
A8	Square footage category	SQFTC5	22- 23	\$SQFTC.	\$ 2.
A14	Year of construction category	YRCONC5	25- 26	\$YRCONC.	\$ 2.
C1A	Electricity used in 1992	ELUSED5	28- 28	\$YESNO.	\$ 1.
C1B	Natural gas used in 1992	NGUSED5	30- 30	\$YESNO.	\$ 1.
C1C	Fuel oil used in 1992	FKUSED5	32- 32	\$YESNO.	\$ 1.
C1E	District steam used in 1992	STUSED5	34- 34	\$YESNO.	\$ 1.
C1F	District hot water in 1992	HWUSED5	36- 36	\$YESNO.	\$ 1.
C1G	District chilled water in 1992	CWUSED5	38- 38	\$YESNO.	\$ 1.
D4A	Furnaces that heat air used	FURNAC5	40- 40	\$YESNO.	\$ 1.
D4B	Heat pump used for heating	HTPMPH5	42- 42	\$YESNO.	\$ 1.
D4C	Self-contained units used	SLFCON5	44- 44	\$YESNO.	\$ 1.
D4D	Steam or hot water piped in	STHW5	46- 46	\$YESNO.	\$ 1.
D4E	Boilers used	BOILER5	48- 48	\$YESNO.	\$ 1.
D4F	Packaged heating units used	PKGHT5	50- 50	\$YESNO.	\$ 1.
D4G	Other heating equipment used	OTHTEQ5	52- 52	\$YESNO.	\$ 1.
D4GOTH	Type of other heating equipment	OTHTEQ15	54- 55	\$OTHT.	\$ 2.
D4UNK	Bldg. heated, unknown equipment type	DKHTEQ5	57- 57	\$YESNO.	\$ 1.
D5A	Pct. heated by furnace	FURNP5	59- 61	MISS3CH.	3.
D5B	Pct. heated by the heat pump	HTPHP5	63- 65	MISS3CH.	3.
D5C	Pct. heated by individual space heaters	SLFCNP5	67- 69	MISS3CH.	3.
D5D	Pct. heated by steam or hot water	STHW5	71- 73	MISS3CH.	3.
D5E	Pct. heated by boilers	BOILP5	75- 77	MISS3CH.	3.
D5F	Pct. heated by packaged heating units	PKGHP5	79- 81	MISS3CH.	3.
D5G	Pct. heated by other heating equipment	OTHTP5	83- 85	MISS3CH.	3.
D6FAA	Furnace heat distributed by vents	FURNDC5	87- 87	\$YESNO.	\$ 1.
D6FCA	Furnace heat dist. by fan-coil units	FURNFC5	89- 89	\$YESNO.	\$ 1.
D6OTHA	Furnace heat distributed by other	FURNOT5	91- 91	\$YESNO.	\$ 1.
D6DKA	Furnace heat distributed by unknown	FURNDK5	93- 93	\$YESNO.	\$ 1.
D6FAB	Heat pump heat distributed by vents	HTPHDC5	95- 95	\$YESNO.	\$ 1.
D6OTHB	Heat pump heat distributed by other	HTPHOT5	97- 97	\$YESNO.	\$ 1.
D6DKB	Heat pump heat distributed by unknown	HTPHDK5	99- 99	\$YESNO.	\$ 1.
D6RBD	Steam dist. by radiators/baseboards	STHWBR5	101- 101	\$YESNO.	\$ 1.
D6FAD	Steam distributed by vents	STHWDC5	103- 103	\$YESNO.	\$ 1.
D6FCD	Steam distributed by fan-coil units	STHWFC5	105- 105	\$YESNO.	\$ 1.
D6OTHD	Steam distributed by other	STHWOT5	107- 107	\$YESNO.	\$ 1.
D6DKD	Steam distributed by unknown	STHWDK5	109- 109	\$YESNO.	\$ 1.
D6RBE	Boiler heat dist. radiators/baseboards	BOILBR5	111- 111	\$YESNO.	\$ 1.
D6FAE	Boiler heat distributed by vents	BOILDC5	113- 113	\$YESNO.	\$ 1.
D6FCE	Boiler heat dist. by fan-coil units	BOILFC5	115- 115	\$YESNO.	\$ 1.
D6OTHE	Boiler heat distributed by other	BOILO5	117- 117	\$YESNO.	\$ 1.
D6DKE	Boiler heat distributed by unknown	BOILDK5	119- 119	\$YESNO.	\$ 1.
D6FAF	Packaged heat distributed by vents	PKGHD5	121- 121	\$YESNO.	\$ 1.
D6OTHF	Packaged heat distributed by other	PKGHOT5	123- 123	\$YESNO.	\$ 1.
D6DKF	Packaged heat distributed by unknown	PKGHDK5	125- 125	\$YESNO.	\$ 1.
D6RBG	Other heat dist. by radiators/baseboards	OTHTR5	127- 127	\$YESNO.	\$ 1.
D6FAG	Other heat distributed by vents	OTHTRC5	129- 129	\$YESNO.	\$ 1.
D6FCG	Other heat distributed by fan-coil units	OTHTRFC5	131- 131	\$YESNO.	\$ 1.
D6OTHG	Other heat distributed by other	OTHTOT5	133- 133	\$YESNO.	\$ 1.
D6DKG	Other heat distrib by unknown	OTHTRDK5	135- 135	\$YESNO.	\$ 1.
D6HA	Age of the furnace	FURNYR5	137- 137	\$EQPAGE.	\$ 1.
D6HB	Age of the heat pump	HTPHYR5	139- 139	\$EQPAGE.	\$ 1.
D6HC	Age of the individual space heaters	SLFCYR5	141- 141	\$EQPAGE.	\$ 1.
D6HD	Age of district steam/hot water	STHWYR5	143- 143	\$EQPAGE.	\$ 1.
D6HE	Age of the boiler	BOILYR5	145- 145	\$EQPAGE.	\$ 1.
D6HF	Age of the packaged heat unit	PKGHYR5	147- 147	\$EQPAGE.	\$ 1.

D6HG	Age of other heating equipment	OTHTYR5	149- 149	\$EQPAGE.	\$	1.
E18	Number of workers (all shifts)	TOTWK5	151- 155	MISS5CH.		5.
H21A	Use any elec motors of at least ten hp	MOTOR5	157- 157	\$MOTOR.	\$	1.
H21AA	Num of 10+ hp motors in chillers	CHMTN5	159- 161	MOTORN.		3.
H21AB	Num of 10+ hp motors in heat pumps	HPMTN5	163- 165	MOTORN.		3.
H21AC	Num of 10+ hp motors in fans	FNMTN5	167- 169	MOTORN.		3.
H21AD	Num of 10+ hp motors in air compressors	ACMTN5	171- 173	MOTORN.		3.
H21AE	Num of 10+ hp motors in water pumps	WPMTN5	175- 177	MOTORN.		3.
H21AF	Num of 10+ hp motors in elevators	ELMTN5	179- 181	MOTORN.		3.
H21AG	Num of 10+ hp motors in escalators	ESMTN5	183- 185	MOTORN.		3.
H21AH	Num of 10+ hp motors in refrigeration	RFMTN5	187- 189	MOTORN.		3.
H21O	Have other equip w/10+ hp motors, #1	OlMT5	191- 191	\$YESNO.	\$	1.
H21OTHO	Type of oth equip w/10+ hp motor, #1	OlMT15	193- 194	\$OTHMTR.	\$	2.
H22A	Age of motors in chillers	CHMTYR5	196- 196	\$EQPAGE.	\$	1.
H22B	Age of motors in heat pumps	HPMTYR5	198- 198	\$EQPAGE.	\$	1.
H22C	Age of motors in fans	FNMTYR5	200- 200	\$EQPAGE.	\$	1.
H22D	Age of motors in air compressors	ACMTYR5	202- 202	\$EQPAGE.	\$	1.
H22E	Age of motors in water pumps	WPMTYR5	204- 204	\$EQPAGE.	\$	1.
H22F	Age of motors in elevators	ELMTYR5	206- 206	\$EQPAGE.	\$	1.
H22G	Age of motors in escalators	ESMTYR5	208- 208	\$EQPAGE.	\$	1.
H22H	Age of motors in refrigeration	RFMTYR5	210- 210	\$EQPAGE.	\$	1.
H22O	Age of motors in other equipment	OTMTYR5	212- 212	\$EQPAGE.	\$	1.
H23	Approx num of energy-effic 10+ hp motors	EFFMTN5	214- 214	\$MTRPCT.	\$	1.
H24	Approx num of rewound 10+ hp motors	RWMTN5	216- 216	\$MTRPCT.	\$	1.
H25	Average age of motors when rewound	RWMTYR5	218- 218	\$MTRAGE.	\$	1.
H26	Are failed motors rewound or replaced	RWRPMT5	220- 220	\$RMDREP.	\$	1.
STRATUM	Variance stratum	STRATUM5	222- 223		\$	2.
WEIGHT	Adjusted weight	ADJWT5	225- 236			12.

Variable Codes for File 3

```

BLDGID5  'BUILDING IDENTIFIER'
@ Columns 1 7 999999 @
FEDREG5  'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5     'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP' = 12
'PUBLIC ASSEMBLY' = 13
'EDUCATION' = 14
'FOOD SERVICES' = 15
'HOSPIT/INPAT HLTH SVCS' = 16
'SKIL NURS/RESIDTL CARE' = 17
'HOTEL/MOTEL/DORM' = 18
'RESIDENTIAL' = 19
'INDOOR ENCLSD PARK GAR' = 20
'OTHER' = 21
'ALL ACTIVITIES LT 75%' = 22
'DK IF ONE ACTIV GT 75%' = 98
SQFT5    'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'
@ Columns 14 20 999999 @
9999998 = DONT KNOW
9999999 = NOT ASCERTAINED
SQFTC5   'GROSS SQUARE FOOTAGE, CATEGORY'
@ Columns 22 23 99 @
'10,000 OR LESS' = 03
'10,001 - 25,000' = 04
'25,001 - 50,000' = 05
'50,001 - 100,000' = 06
'100,001 - 200,000' = 07
'200,001 - 500,000' = 08
'500,001 - 1 MILLION' = 09

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      'OVER 1 MILLION'          = 10
      'DONT KNOW'              = 98
YRCONC5  'YEAR CONSTRUCTION COMPLETED (CATEGORY)'
@ Columns      25      26      99 @
      '1899 OR BEFORE'        = 01
      '1900-1919'            = 02
      '1920-1945'            = 03
      '1946-1959'            = 04
      '1960-1969'            = 05
      '1970-1979'            = 06
      '1980-1989'            = 07
      '1990-1992'            = 08
      '1993-1994'            = 09
ELUSED5  'USE ELECTRICITY'
@ Columns      28      28      9 @
      'YES'                  = 1
      'NO'                   = 2
      'INAPPLICABLE'         = 7
      'DONT KNOW'            = 8
      'NOT ASCERTAINED'     = 9
NGUSED5  'USE NATURAL GAS'
@ Columns      30      30      9 @
      'YES'                  = 1
      'NO'                   = 2
      'INAPPLICABLE'         = 7
      'DONT KNOW'            = 8
      'NOT ASCERTAINED'     = 9
FKUSED5  'USE FUEL OIL, DIESEL, OR KEROSENE'
@ Columns      32      32      9 @
      'YES'                  = 1
      'NO'                   = 2
      'INAPPLICABLE'         = 7
      'DONT KNOW'            = 8
      'NOT ASCERTAINED'     = 9
STUSED5  'USE DISTRICT STEAM'
@ Columns      34      34      9 @
      'YES'                  = 1
      'NO'                   = 2
      'INAPPLICABLE'         = 7
      'DONT KNOW'            = 8
      'NOT ASCERTAINED'     = 9
HWUSED5  'USE DISTRICT HOT WATER'
@ Columns      36      36      9 @
      'YES'                  = 1
      'NO'                   = 2
      'INAPPLICABLE'         = 7
      'DONT KNOW'            = 8
      'NOT ASCERTAINED'     = 9
CWUSED5  'USE DISTRICT CHILLED WATER'
@ Columns      38      38      9 @
      'YES'                  = 1
      'NO'                   = 2
      'INAPPLICABLE'         = 7
      'DONT KNOW'            = 8
      'NOT ASCERTAINED'     = 9
FURNAC5  'HEAT: FURNACES'
@ Columns      40      40      9 @
      'YES'                  = 1
      'NO'                   = 2
      'INAPPLICABLE'         = 7
      'DONT KNOW'            = 8
      'NOT ASCERTAINED'     = 9
HTPMPH5  'HEAT: HEAT PUMPS'
@ Columns      42      42      9 @
      'YES'                  = 1
      'NO'                   = 2
      'INAPPLICABLE'         = 7
      'DONT KNOW'            = 8
      'NOT ASCERTAINED'     = 9
SLFCON5  'HEAT: INDIVIDUAL SPACE HEATERS'
@ Columns      44      44      9 @
      'YES'                  = 1
      'NO'                   = 2
      'INAPPLICABLE'         = 7
      'DONT KNOW'            = 8
      'NOT ASCERTAINED'     = 9
STHW5    'HEAT: DISTRICT STEAM/HOT WATER'

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@ Columns      46      46      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
BOILER5 'HEAT: BOILERS'
@ Columns      48      48      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
PKGHT5 'HEAT: PACKAGED HEAT UNITS'
@ Columns      50      50      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
OTHTEQ5 'HEAT: OTHER EQUIPMENT'
@ Columns      52      52      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
OTHTQ15 'OTHER HEAT EQUIPMENT'
@ Columns      54      55      99 @
'VERBATIM LISTING' = 95
'INAPPLICABLE'    = 97
'DONT KNOW'       = 98
'NOT ASCERTAINED' = 99
DKHTEQ5 'BUILDING HEATED BUT EQUIPMENT UNKNOWN'
@ Columns      57      57      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
FURNP5 'PERCENT HEATED BY FURNACE'
@ Columns      59      61      999 @
997 = INAPPLICABLE
998 = DONT KNOW
999 = NOT ASCERTAINED
HTPHP5 'PERCENT HEATED BY HEAT PUMP'
@ Columns      63      65      999 @
997 = INAPPLICABLE
998 = DONT KNOW
999 = NOT ASCERTAINED
SLFCNP5 'PERCENT HEATED BY INDIV SPACE HEATER'
@ Columns      67      69      999 @
997 = INAPPLICABLE
998 = DONT KNOW
999 = NOT ASCERTAINED
STHWP5 'PERCENT HEATED BY DIST STEAM/HOT WATER'
@ Columns      71      73      999 @
997 = INAPPLICABLE
998 = DONT KNOW
999 = NOT ASCERTAINED
BOILP5 'PERCENT HEATED BY BOILER'
@ Columns      75      77      999 @
997 = INAPPLICABLE
998 = DONT KNOW
999 = NOT ASCERTAINED
PKGHP5 'PERCENT HEATED BY PACKAGED HEAT UNIT'
@ Columns      79      81      999 @
997 = INAPPLICABLE
998 = DONT KNOW
999 = NOT ASCERTAINED
OTHTP5 'PERCENT HEATED BY OTHER HEAT EQUIP'
@ Columns      83      85      999 @
997 = INAPPLICABLE
998 = DONT KNOW
999 = NOT ASCERTAINED
FURNDC5 'FURNACE HEAT: FORCED AIR THRU VENTS'
@ Columns      87      87      9 @

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        'YES'                = 1
        'NO'                 = 2
        'INAPPLICABLE'       = 7
        'DONT KNOW'          = 8
        'NOT ASCERTAINED'    = 9
FURNFC5  'FURNACE HEAT: FAN COIL'
@ Columns      89      89      9 @
        'YES'                = 1
        'NO'                 = 2
        'INAPPLICABLE'       = 7
        'DONT KNOW'          = 8
        'NOT ASCERTAINED'    = 9
FURNOT5  'FURNACE HEAT: OTHER'
@ Columns      91      91      9 @
        'YES'                = 1
        'NO'                 = 2
        'INAPPLICABLE'       = 7
        'DONT KNOW'          = 8
        'NOT ASCERTAINED'    = 9
FURNDC5  'FURNACE HEAT: DONT KNOW'
@ Columns      93      93      9 @
        'YES'                = 1
        'NO'                 = 2
        'INAPPLICABLE'       = 7
        'DONT KNOW'          = 8
        'NOT ASCERTAINED'    = 9
HTPHDC5  'HEAT PUMP: FORCED AIR THRU VENTS'
@ Columns      95      95      9 @
        'YES'                = 1
        'NO'                 = 2
        'INAPPLICABLE'       = 7
        'DONT KNOW'          = 8
        'NOT ASCERTAINED'    = 9
HTPHOT5  'HEAT PUMP: OTHER'
@ Columns      97      97      9 @
        'YES'                = 1
        'NO'                 = 2
        'INAPPLICABLE'       = 7
        'DONT KNOW'          = 8
        'NOT ASCERTAINED'    = 9
HTPHDK5  'HEAT PUMP: DONT KNOW'
@ Columns      99      99      9 @
        'YES'                = 1
        'NO'                 = 2
        'INAPPLICABLE'       = 7
        'DONT KNOW'          = 8
        'NOT ASCERTAINED'    = 9
STHWBR5  'STEAM/HOT WATER: HOT WATER RAD/BASEBOARD'
@ Columns     101     101      9 @
        'YES'                = 1
        'NO'                 = 2
        'INAPPLICABLE'       = 7
        'DONT KNOW'          = 8
        'NOT ASCERTAINED'    = 9
STHWD5   'STEAM/HOT WATER: FORCED AIR THRU VENTS'
@ Columns     103     103      9 @
        'YES'                = 1
        'NO'                 = 2
        'INAPPLICABLE'       = 7
        'DONT KNOW'          = 8
        'NOT ASCERTAINED'    = 9
STHWFC5  'STEAM/HOT WATER: FAN-COIL UNIT W/O VENTS'
@ Columns     105     105      9 @
        'YES'                = 1
        'NO'                 = 2
        'INAPPLICABLE'       = 7
        'DONT KNOW'          = 8
        'NOT ASCERTAINED'    = 9
STHWOT5  'STEAM/HOT WATER: OTHER'
@ Columns     107     107      9 @
        'YES'                = 1
        'NO'                 = 2
        'INAPPLICABLE'       = 7
        'DONT KNOW'          = 8
        'NOT ASCERTAINED'    = 9
STHWDK5  'STEAM/HOT WATER: DONT KNOW'
@ Columns     109     109      9 @

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      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
BOILBR5 'BOILER: HOT WATER RAD/BASEBDS'
  @ Columns 111 111 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
BOILDC5 'BOILER: FORCED AIR THRU VENTS'
  @ Columns 113 113 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
BOILFC5 'BOILER: FAN-COIL UNITS W/O VENTS'
  @ Columns 115 115 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
BOILOT5 'BOILER: OTHER'
  @ Columns 117 117 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
BOILDK5 'BOILER: DONT KNOW'
  @ Columns 119 119 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
PKGHD5 'PACKAGED HEAT UNIT: FORCED AIR THRU VENT'
  @ Columns 121 121 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
PKGHOT5 'PACKAGED HEAT UNIT: OTHER'
  @ Columns 123 123 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
PKGHDK5 'PACKAGED HEAT UNIT: DONT KNOW'
  @ Columns 125 125 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
OTHTBR5 'OTHER HEAT EQUIP: HOT WATER RAD/BASEBDS'
  @ Columns 127 127 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
OTHTDC5 'OTHER HEAT EQUIP: FORCD AIR THRU VENT'
  @ Columns 129 129 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
OTHTFC5 'OTHER HEAT EQUIP: FAN-COIL UNIT W/O VENT'
  @ Columns 131 131 9 @

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      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
OTHTOT5 'OTHER HEAT EQUIP: OTHER'
  @ Columns 133 133 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
OTHTDK5 'OTHER HEAT EQUIP: DONT KNOW'
  @ Columns 135 135 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
FURNYR5 'AGE OF THE FURNACE'
  @ Columns 137 137 9 @
      'ALL EQUIP LT 10 YRS' = 1
      'ALL EQUIP 10 YRS +' = 2
      'SOME LT 10, SOME 10+' = 3
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
HTPHYR5 'AGE OF THE HEAT PUMP'
  @ Columns 139 139 9 @
      'ALL EQUIP LT 10 YRS' = 1
      'ALL EQUIP 10 YRS +' = 2
      'SOME LT 10, SOME 10+' = 3
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
SLFCYR5 'AGE OF THE INDIVIDUAL SPACE HEATERS'
  @ Columns 141 141 9 @
      'ALL EQUIP LT 10 YRS' = 1
      'ALL EQUIP 10 YRS +' = 2
      'SOME LT 10, SOME 10+' = 3
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
STHWYR5 'AGE OF DISTRICT STEAM/HOT WATER'
  @ Columns 143 143 9 @
      'ALL EQUIP LT 10 YRS' = 1
      'ALL EQUIP 10 YRS +' = 2
      'SOME LT 10, SOME 10+' = 3
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
BOILYR5 'AGE OF THE BOILER'
  @ Columns 145 145 9 @
      'ALL EQUIP LT 10 YRS' = 1
      'ALL EQUIP 10 YRS +' = 2
      'SOME LT 10, SOME 10+' = 3
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
PKGHYR5 'AGE OF THE PACKAGED HEAT UNIT'
  @ Columns 147 147 9 @
      'ALL EQUIP LT 10 YRS' = 1
      'ALL EQUIP 10 YRS +' = 2
      'SOME LT 10, SOME 10+' = 3
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
OTHTYR5 'AGE OF OTHER HEATING EQUIPMENT'
  @ Columns 149 149 9 @
      'ALL EQUIP LT 10 YRS' = 1
      'ALL EQUIP 10 YRS +' = 2
      'SOME LT 10, SOME 10+' = 3
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
TOTWK5 'NUM OF PEOPLE WHO WORK IN BLDG'
  @ Columns 151 155 99999 @
      99997 = INAPPLICABLE
      99998 = DONT KNOW
      99999 = NOT ASCERTAINED
MOTOR5 'USE ANY ELEC MOTORS OF AT LEAST TEN HP'
  @ Columns 157 157 9 @
      'YES' = 1
      'NO MOTORS 10+ HRSPWR' = 2

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'NO MOTORS, VOLNTEERED' = 3
 'DONT KNOW' = 8
 'NOT ASCRTAIN, FAX BACK' = 9
 CHMTN5 'NUM OF 10+ HP MOTORS IN CHILLERS'
 @ Columns 159 161 999 @
 995 = NOT HAVE EQUIPMENT
 996 = MOTORS LESS THAN 10HP
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED, FAX BACK
 HPMTN5 'NUM OF 10+ HP MOTORS IN HEAT PUMPS'
 @ Columns 163 165 999 @
 995 = NOT HAVE EQUIPMENT
 996 = MOTORS LESS THAN 10HP
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED, FAX BACK
 FNMTN5 'NUM OF 10+ HP MOTORS IN FANS'
 @ Columns 167 169 999 @
 995 = NOT HAVE EQUIPMENT
 996 = MOTORS LESS THAN 10HP
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED, FAX BACK
 ACMTN5 'NUM OF 10+ HP MOTORS IN AIR COMPRESSORS'
 @ Columns 171 173 999 @
 995 = NOT HAVE EQUIPMENT
 996 = MOTORS LESS THAN 10HP
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED, FAX BACK
 WPMTN5 'NUM OF 10+ HP MOTORS IN WATER PUMPS'
 @ Columns 175 177 999 @
 995 = NOT HAVE EQUIPMENT
 996 = MOTORS LESS THAN 10HP
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED, FAX BACK
 ELMTN5 'NUM OF 10+ HP MOTORS IN ELEVATORS'
 @ Columns 179 181 999 @
 995 = NOT HAVE EQUIPMENT
 996 = MOTORS LESS THAN 10HP
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED, FAX BACK
 ESMTN5 'NUM OF 10+ HP MOTORS IN ESCALATORS'
 @ Columns 183 185 999 @
 995 = NOT HAVE EQUIPMENT
 996 = MOTORS LESS THAN 10HP
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED, FAX BACK
 RFMTN5 'NUM OF 10+ HP MOTORS IN REFRIGERATION'
 @ Columns 187 189 999 @
 995 = NOT HAVE EQUIPMENT
 996 = MOTORS LESS THAN 10HP
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED, FAX BACK
 O1MT5 'HAVE OTHER EQUIP W/10+ HP MOTORS, #1'
 @ Columns 191 191 9 @
 'YES' = 1
 'NO' = 2
 'INAPPLICABLE' = 7
 'DONT KNOW' = 8
 'NOT ASCERTAINED' = 9
 O1MT15 'TYPE OF OTH EQUIP W/10+ HP MOTOR, #1'
 @ Columns 193 194 99 @
 'VERBATIM LISTING' = 95
 'INAPPLICABLE' = 97
 'DONT KNOW' = 98
 'NOT ASCRTAIN, FAX BACK' = 99
 CHMTYR5 'AGE OF MOTORS IN CHILLERS'
 @ Columns 196 196 9 @
 'ALL MOTORS LT 10 YRS' = 1
 'ALL MOTORS 10 YRS +' = 2
 'SOME LT 10, SOME 10+' = 3

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      'INAPPLICABLE'           = 7
      'DONT KNOW'              = 8
      'NOT ASCRTAIN, FAX BACK' = 9
HPMTYR5 'AGE OF MOTORS IN HEAT PUMPS'
  @ Columns 198 198 9 @
      'ALL MOTORS LT 10 YRS'    = 1
      'ALL MOTORS 10 YRS +'     = 2
      'SOME LT 10, SOME 10+'    = 3
      'INAPPLICABLE'           = 7
      'DONT KNOW'              = 8
      'NOT ASCRTAIN, FAX BACK' = 9
FNMTYR5 'AGE OF MOTORS IN FANS'
  @ Columns 200 200 9 @
      'ALL MOTORS LT 10 YRS'    = 1
      'ALL MOTORS 10 YRS +'     = 2
      'SOME LT 10, SOME 10+'    = 3
      'INAPPLICABLE'           = 7
      'DONT KNOW'              = 8
      'NOT ASCRTAIN, FAX BACK' = 9
ACMTYR5 'AGE OF MOTORS IN AIR COMPRESSORS'
  @ Columns 202 202 9 @
      'ALL MOTORS LT 10 YRS'    = 1
      'ALL MOTORS 10 YRS +'     = 2
      'SOME LT 10, SOME 10+'    = 3
      'INAPPLICABLE'           = 7
      'DONT KNOW'              = 8
      'NOT ASCRTAIN, FAX BACK' = 9
WPMTYR5 'AGE OF MOTORS IN WATER PUMPS'
  @ Columns 204 204 9 @
      'ALL MOTORS LT 10 YRS'    = 1
      'ALL MOTORS 10 YRS +'     = 2
      'SOME LT 10, SOME 10+'    = 3
      'INAPPLICABLE'           = 7
      'DONT KNOW'              = 8
      'NOT ASCRTAIN, FAX BACK' = 9
ELMTYR5 'AGE OF MOTORS IN ELEVATORS'
  @ Columns 206 206 9 @
      'ALL MOTORS LT 10 YRS'    = 1
      'ALL MOTORS 10 YRS +'     = 2
      'SOME LT 10, SOME 10+'    = 3
      'INAPPLICABLE'           = 7
      'DONT KNOW'              = 8
      'NOT ASCRTAIN, FAX BACK' = 9
ESMTYR5 'AGE OF MOTORS IN ESCALATORS'
  @ Columns 208 208 9 @
      'ALL MOTORS LT 10 YRS'    = 1
      'ALL MOTORS 10 YRS +'     = 2
      'SOME LT 10, SOME 10+'    = 3
      'INAPPLICABLE'           = 7
      'DONT KNOW'              = 8
      'NOT ASCRTAIN, FAX BACK' = 9
RFMTYR5 'AGE OF MOTORS IN REFRIGERATION'
  @ Columns 210 210 9 @
      'ALL MOTORS LT 10 YRS'    = 1
      'ALL MOTORS 10 YRS +'     = 2
      'SOME LT 10, SOME 10+'    = 3
      'INAPPLICABLE'           = 7
      'DONT KNOW'              = 8
      'NOT ASCRTAIN, FAX BACK' = 9
OTMTYR5 'AGE OF MOTORS IN OTHER EQUIPMENT'
  @ Columns 212 212 9 @
      'ALL MOTORS LT 10 YRS'    = 1
      'ALL MOTORS 10 YRS +'     = 2
      'SOME LT 10, SOME 10+'    = 3
      'INAPPLICABLE'           = 7
      'DONT KNOW'              = 8
      'NOT ASCRTAIN, FAX BACK' = 9
EFFMTN5 'APPROX NUM OF ENERGY-EFFIC 10+ HP MOTORS'
  @ Columns 214 214 9 @
      'ALL, 100%'               = 1
      'MOST, 75-99%'            = 2
      'ABOUT HALF, 50-74%'     = 3
      'VERY FEW, 25-49%'       = 4
      'LITTLE OR NONE, LT 25%' = 5
      'INAPPLICABLE'           = 7
      'DONT KNOW'              = 8
      'NOT ASCRTAIN, FAX BACK' = 9

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RWMTN5 'APPROX NUM OF REWOUND 10+ HP MOTORS'
@ Columns 216 216 9 @
'ALL, 100%' = 1
'MOST, 75-99%' = 2
'ABOUT HALF, 50-74%' = 3
'VERY FEW, 25-49%' = 4
'LITTLE OR NONE, LT 25%' = 5
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAIN, FAX BACK' = 9
RWMTYR5 'AVERAGE AGE OF MOTORS WHEN REWOUND'
@ Columns 218 218 9 @
'LESS THAN 5 YEARS OLD' = 1
'5 TO 9 YEARS OLD' = 2
'NONE REWOUND' = 3
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAIN, FAX BACK' = 9
RWRPMT5 'ARE FAILED MOTORS REWOUND OR REPLACED'
@ Columns 220 220 9 @
'REWIND' = 1
'REPLACE' = 2
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
STRATUM5 'STRATUM NUMBER'
@ Columns 222 223 99 @
'DOD: WEST VA, VA' = 01
'DOD: DE, PA' = 02
'DOD: MD, DIST. OF COL.' = 03
'NON-DOD: WEST VA, VA' = 04
'NON-DOD: DE, PA' = 05
'NON-DOD: MD, DIST. OF COL.' = 06
'DOD: OK, TX' = 07
'DOD: NM' = 08
'DOD: LA, AR' = 09
'NON-DOD: OK, TX' = 10
'NON-DOD: NM' = 11
'NON-DOD: LA, AR' = 12
'DOD: HI, CA' = 13
'DOD: AZ, NV' = 14
'NON-DOD: HI, CA' = 15
'NON-DOD: AZ, NV' = 16
ADJWTS 'BUILDING WEIGHT'
@ Columns 225 236 9999999999 @

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Layout for File 4: Cooling Equipment, Cooling Distribution Equipment, Sponsor and Type
of Assistance Received for Central Chiller Retrofit
(FB94F04T.TXT & FB94F04D.DBF)

Variable	Description	Variable Name	Position	
CASEID	Building identifier	BLDGID5	1- 7	\$ 7.
REGION	Building federal region	FEDREG5	9- 9	\$FEDREG. \$ 1.
	Principal building activity	PBA5	11- 12	\$ACTIVITY. \$ 2.
A7	Square footage	SQFT5	14- 20	MISS9CH. 7.
A8	Square footage category	SQFTC5	22- 23	\$SQFTC. \$ 2.
A14	Year of construction category	YRCONC5	25- 26	\$YRCONC. \$ 2.
C1A	Electricity used in 1992	ELUSED5	28- 28	\$YESNO. \$ 1.
C1B	Natural gas used in 1992	NGUSED5	30- 30	\$YESNO. \$ 1.
C1C	Fuel oil used in 1992	FKUSED5	32- 32	\$YESNO. \$ 1.
C1E	District steam used in 1992	STUSED5	34- 34	\$YESNO. \$ 1.
C1F	District hot water in 1992	HWUSED5	36- 36	\$YESNO. \$ 1.
C1G	District chilled water in 1992	CWUSED5	38- 38	\$YESNO. \$ 1.
D9A	Residential type central AC used	RCAC5	40- 40	\$YESNO. \$ 1.
D9B	Heat pump used for cooling	HTPMPC5	42- 42	\$YESNO. \$ 1.
D9C	Air conditioners (walls/window) used	ACWNWL5	44- 44	\$YESNO. \$ 1.
D9D	District chilled water piped in	CHWT5	46- 46	\$YESNO. \$ 1.
D9E	Central chillers used	CHILLR5	48- 48	\$YESNO. \$ 1.
D9F	Packaged cooling units used	PKGCL5	50- 50	\$YESNO. \$ 1.
D9G	Evaporative coolers used	EVAPCL5	52- 52	\$YESNO. \$ 1.
D9H	Other cooling equipment used	OTCLEQ5	54- 54	\$YESNO. \$ 1.
D9HOTH	Type of other cooling equipment	OTCLQ15	56- 57	\$OTCL. \$ 2.
D9UNK	Bldg. cooled, unknown equipment type	DKCLEQ5	59- 59	\$YESNO. \$ 1.
D10A	Pct. cooled by residential central AC	RCACP5	61- 63	MISS3CH. 3.
D10B	Pct. cooled by the heat pump	HTPCP5	65- 67	MISS3CH. 3.

D10C	Pct. cooled by individual room AC	ACWNWP5	69-	71	MISS3CH.	3.
D10D	Pct. cooled by district chilled water	CHWTP5	73-	75	MISS3CH.	3.
D10E	Pct. cooled by central chillers	CHILP5	77-	79	MISS3CH.	3.
D10F	Pct. packaged cooling units	PKGCP5	81-	83	MISS3CH.	3.
D10G	Pct. cooled by the evaporative coolers	EVAPP5	85-	87	MISS3CH.	3.
D10H	Pct. cooled by other cooling equipment	OTCLP5	89-	91	MISS3CH.	3.
D10TOTAL	Total percentage cooled floorspace	TOTCLP5	93-	95	MISS3CH.	3.
D11FAA	Central air distributed by vents	RCACDC5	97-	97	\$YESNO.	\$ 1.
D11OTHA	Central air distributed by other	RCACOT5	99-	99	\$YESNO.	\$ 1.
D11FAB	Heat pump cooling distributed by vents	HTPCDC5	101-	101	\$YESNO.	\$ 1.
D11OTHB	Heat pump cooling distributed by other	HTPCOT5	103-	103	\$YESNO.	\$ 1.
D11FCD	Chilled water dist. by fan-coil units	CHWTF5	105-	105	\$YESNO.	\$ 1.
D11FAD	Chilled water distributed by vents	CHWTD5	107-	107	\$YESNO.	\$ 1.
D11OTHD	Chilled water distributed by other	CHWTD5	109-	109	\$YESNO.	\$ 1.
D11FCE	Central chiller dist. by fan-coil units	CHILFC5	111-	111	\$YESNO.	\$ 1.
D11FAE	Central chiller distributed by vents	CHILDC5	113-	113	\$YESNO.	\$ 1.
D11OTHE	Central chiller distributed by other	CHILOT5	115-	115	\$YESNO.	\$ 1.
D11FAF	Packaged cooling distributed by vents	PKGCDC5	117-	117	\$YESNO.	\$ 1.
D11OTHF	Packaged cooling distributed by other	PKGCOT5	119-	119	\$YESNO.	\$ 1.
D11FCG	Evap. coolers dist. by fan-coil units	EVAPFC5	121-	121	\$YESNO.	\$ 1.
D11FAG	Evaporative coolers distributed by vents	EVAPDC5	123-	123	\$YESNO.	\$ 1.
D11OTHG	Evap. coolers distributed by other	EVAPOT5	125-	125	\$YESNO.	\$ 1.
D11FCH	Other cooling distributed by fan-coil	OTCLFC5	127-	127	\$YESNO.	\$ 1.
D11FAH	Other cooling distributed by thru vents	OTCLDC5	129-	129	\$YESNO.	\$ 1.
D11OTHH	Other cooling distributed by other	OTCLOT5	131-	131	\$YESNO.	\$ 1.
D11I	Age of central chillers	CHILYR5	133-	133	\$EQPAGE.	\$ 1.
D11J	Retro/purch cent chlrs w/in past 10 yrs	CHILRP5	135-	135	\$RETRO.	\$ 1.
H8C2EU	Central chillers sponsor: electric util	CHILEU5	137-	137	\$YESNO.	\$ 1.
H8C2IH	Central chillers sponsor: in-house	CHILIH5	139-	139	\$YESNO.	\$ 1.
H8C2TP	Central chillers sponsor: third-party	CHILTP5	141-	141	\$YESNO.	\$ 1.
H8C2OTH	Central chillers sponsor: other	CHILOS5	143-	143	\$YESNO.	\$ 1.
H8C2F	Central chillers sponsor: femp	CHILFM5	145-	145	\$YESNO.	\$ 1.
H9C2F	Central chillers assist: f.e.e.f.	CHILFF5	147-	147	\$YESNO.	\$ 1.
H9C2I	Central chillers assist: incentives	CHILIN5	149-	149	\$YESNO.	\$ 1.
H9C2AR	Central chillers assist: altern rates	CHILAR5	151-	151	\$YESNO.	\$ 1.
H9C2FS	Central chillers assist: fuel switching	CHILFS5	153-	153	\$YESNO.	\$ 1.
H9C2OTH	Central chillers assist: other/none	CHILOA5	155-	155	\$YESNO.	\$ 1.
E18	Number of workers (all shifts)	TOTWK5	157-	161	MISS5CH.	5.
STRATUM	Variance stratum	STRATUM5	163-	164		\$ 2.
WEIGHT	Adjusted weight	ADJWT5	166-	177		12.

Variable Codes for File 4

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BLDGID5 'BUILDING IDENTIFIER'
@ Columns 1 7 9999999 @
FEDREG5 'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5 'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP' = 12
'PUBLIC ASSEMBLY' = 13
'EDUCATION' = 14
'FOOD SERVICES' = 15
'HOSPIT/INPAT HLTH SVCS' = 16
'SKIL NURS/RESIDTL CARE' = 17
'HOTEL/MOTEL/DORM' = 18
'RESIDENTIAL' = 19
'INDOOR ENCLSD PARK GAR' = 20
'OTHER' = 21
'ALL ACTIVITIES LT 75%' = 22
'DK IF ONE ACTIV GT 75%' = 98
SQFT5 'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'

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@ Columns 14 20 999999 @
9999998 = DONT KNOW
9999999 = NOT ASCERTAINED
SQFTC5 'GROSS SQUARE FOOTAGE, CATEGORY'
@ Columns 22 23 99 @
'10,000 OR LESS' = 03
'10,001 - 25,000' = 04
'25,001 - 50,000' = 05
'50,001 - 100,000' = 06
'100,001 - 200,000' = 07
'200,001 - 500,000' = 08
'500,001 - 1 MILLION' = 09
'OVER 1 MILLION' = 10
'DONT KNOW' = 98
YRCONC5 'YEAR CONSTRUCTION COMPLETED (CATEGORY)'
@ Columns 25 26 99 @
'1899 OR BEFORE' = 01
'1900-1919' = 02
'1920-1945' = 03
'1946-1959' = 04
'1960-1969' = 05
'1970-1979' = 06
'1980-1989' = 07
'1990-1992' = 08
'1993-1994' = 09
ELUSED5 'USE ELECTRICITY'
@ Columns 28 28 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
NGUSED5 'USE NATURAL GAS'
@ Columns 30 30 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
FKUSED5 'USE FUEL OIL, DIESEL, OR KEROSENE'
@ Columns 32 32 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
STUSED5 'USE DISTRICT STEAM'
@ Columns 34 34 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
HWUSED5 'USE DISTRICT HOT WATER'
@ Columns 36 36 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CWUSED5 'USE DISTRICT CHILLED WATER'
@ Columns 38 38 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
RCAC5 'COOLING: CENTRAL AIR CONDITIONERS'
@ Columns 40 40 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
HTPMPC5 'COOLING: HEAT PUMPS'
@ Columns 42 42 9 @
'YES' = 1

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      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
ACWNWL5 'COOLING: INDIVIDL ROOM AIR CONDITIONERS'
  @ Columns 44 44 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
CHWT5 'COOLING: DISTRICT CHILLED WATER'
  @ Columns 46 46 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
CHILLR5 'COOLING: CENTRAL CHILLERS'
  @ Columns 48 48 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
PKGCL5 'COOLING: PACKAGED AIR COND UNITS'
  @ Columns 50 50 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
EVAPCL5 'COOLING: SWAMP COOLERS'
  @ Columns 52 52 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
OTCLEQ5 'COOLING: OTHER EQUIPMENT'
  @ Columns 54 54 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
OTCLQ15 'OTHER COOLING EQUIPMENT'
  @ Columns 56 57 99 @
      'VERBATIM LISTING' = 95
      'INAPPLICABLE' = 97
      'DONT KNOW' = 98
      'NOT ASCERTAINED' = 99
DKCLEQ5 'AIR-CONDITIONED, EQUIPMENT TYPE UNKNOWN'
  @ Columns 59 59 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
RCACP5 'PERCENT COOLED BY CENTRAL AIR'
  @ Columns 61 63 999 @
      997 = INAPPLICABLE
      998 = DONT KNOW
      999 = NOT ASCERTAINED
HTPCP5 'PERCENT COOLED BY HEAT PUMP'
  @ Columns 65 67 999 @
      997 = INAPPLICABLE
      998 = DONT KNOW
      999 = NOT ASCERTAINED
ACWNWP5 'PERCENT COOLED BY ROOM AIR CONDS'
  @ Columns 69 71 999 @
      997 = INAPPLICABLE
      998 = DONT KNOW
      999 = NOT ASCERTAINED
CHWTP5 'PERCENT COOLED BY DISTRICT CHILLED WATER'
  @ Columns 73 75 999 @
      997 = INAPPLICABLE

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998 = DONT KNOW
 999 = NOT ASCERTAINED
 CHILP5 'PERCENT COOLED BY CENTRAL CHILLERS'
 @ Columns 77 79 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 PKGCP5 'PERCENT COOLED BY PACKGD AIR COND UNITS'
 @ Columns 81 83 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 EVAPP5 'PERCENT COOLED BY SWAMP COOLERS'
 @ Columns 85 87 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 OTCLP5 'PERCENT COOLED BY OTHER EQUIPMENT'
 @ Columns 89 91 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 TOTCLP5 'TOTAL FOR QUESTION D-10'
 @ Columns 93 95 999 @
 997 = INAPPLICABLE
 998 = DONT KNOW
 999 = NOT ASCERTAINED
 RCACDC5 'CENTRAL AIR COND: FORCED AIR THRU VENTS'
 @ Columns 97 97 9 @
 'YES' = 1
 'NO' = 2
 'INAPPLICABLE' = 7
 'DONT KNOW' = 8
 'NOT ASCERTAINED' = 9
 RCACOT5 'CENTRAL AIR COND: OTHER'
 @ Columns 99 99 9 @
 'YES' = 1
 'NO' = 2
 'INAPPLICABLE' = 7
 'DONT KNOW' = 8
 'NOT ASCERTAINED' = 9
 HTPCDC5 'HEAT PUMP: FORCED AIR THRU VENTS'
 @ Columns 101 101 9 @
 'YES' = 1
 'NO' = 2
 'INAPPLICABLE' = 7
 'DONT KNOW' = 8
 'NOT ASCERTAINED' = 9
 HTPCOT5 'HEAT PUMP: OTHER'
 @ Columns 103 103 9 @
 'YES' = 1
 'NO' = 2
 'INAPPLICABLE' = 7
 'DONT KNOW' = 8
 'NOT ASCERTAINED' = 9
 CHWTF5 'CHILLED WATER: FAN-COIL UNITS W/O VENTS'
 @ Columns 105 105 9 @
 'YES' = 1
 'NO' = 2
 'INAPPLICABLE' = 7
 'DONT KNOW' = 8
 'NOT ASCERTAINED' = 9
 CHWTD5 'CHILLED WATER: FORCED AIR THRU VENTS'
 @ Columns 107 107 9 @
 'YES' = 1
 'NO' = 2
 'INAPPLICABLE' = 7
 'DONT KNOW' = 8
 'NOT ASCERTAINED' = 9
 CHWTOT5 'CHILLED WATER: OTHER'
 @ Columns 109 109 9 @
 'YES' = 1
 'NO' = 2
 'INAPPLICABLE' = 7
 'DONT KNOW' = 8
 'NOT ASCERTAINED' = 9
 CHILFC5 'CHILLERS: FAN-COIL UNITS W/O VENTS'

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@ Columns 111 111 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CHILDC5 'CHILLERS: FORCED AIR THRU VENTS'
@ Columns 113 113 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CHILOT5 'CHILLERS: OTHER'
@ Columns 115 115 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PKGDC5 'PACK AIR COND: FORCED AIR THRU VENTS'
@ Columns 117 117 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PKGCT5 'PACK AIR COND: OTHER'
@ Columns 119 119 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
EVAPFC5 'SWAMP COOLERS: FAN-COIL UNITS W/O VENTS'
@ Columns 121 121 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
EVAPDC5 'SWAMP COOLERS: FORCED AIR THRU VENTS'
@ Columns 123 123 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
EVAPOT5 'SWAMP COOLERS: OTHER'
@ Columns 125 125 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTCLFC5 'OTH COOLING EQUIP: FAN-COIL W/O VENTS'
@ Columns 127 127 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTCLDC5 'OTH COOLING EQUIP: FORCED AIR THRU VENTS'
@ Columns 129 129 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTCLOT5 'OTH COOLING EQUIP: OTHER'
@ Columns 131 131 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CHILYR5 'AGE OF CENTRAL CHILLERS'

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@ Columns 133 133 9 @
'ALL EQUIP LT 10 YRS' = 1
'ALL EQUIP 10 YRS +' = 2
'SOME LT 10, SOME 10+' = 3
'INAPPLICABLE' = 7
'DONT KNOW' = 8
CHILRP5 'RETRO/PURCH CENT CHLLRS W/IN PAST 10 YRS'
@ Columns 135 135 9 @
'YES, RETROFITTED' = 1
'YES, PURCHASED' = 2
'NO' = 3
'BOTH, RETRO+PURCHASE' = 4
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CHILEU5 'CENTRAL CHILLERS SPONSOR: ELECTRIC UTIL'
@ Columns 137 137 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CHILIH5 'CENTRAL CHILLERS SPONSOR: IN-HOUSE'
@ Columns 139 139 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CHILTP5 'CENTRAL CHILLERS SPONSOR: THIRD-PARTY'
@ Columns 141 141 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CHIOS5 'CENTRAL CHILLERS SPONSOR: OTHER'
@ Columns 143 143 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CHILFM5 'CENTRAL CHILLERS SPONSOR: FEMP'
@ Columns 145 145 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CHILFF5 'CENTRAL CHILLERS ASSIST: F.E.E.F.'
@ Columns 147 147 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CHILIN5 'CENTRAL CHILLERS ASSIST: INCENTIVES'
@ Columns 149 149 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CHILAR5 'CENTRAL CHILLERS ASSIST: ALTERN RATES'
@ Columns 151 151 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CHILFS5 'CENTRAL CHILLERS ASSIST: FUEL SWITCHING'
@ Columns 153 153 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8

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      'NOT ASCERTAINED'          = 9
CHILOA5 'CENTRAL CHILLERS ASSIST: OTHER/NONE'
@ Columns 155 155 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'          = 9
TOTWK5 'NUM OF PEOPLE WHO WORK IN BLDG'
@ Columns 157 161 99999 @
99997 = INAPPLICABLE
99998 = DONT KNOW
99999 = NOT ASCERTAINED
STRATUM5 'STRATUM NUMBER'
@ Columns 163 164 99 @
      'DOD: WEST VA, VA'        = 01
      'DOD: DE, PA'             = 02
      'DOD: MD, DIST. OF COL.'  = 03
      'NON-DOD: WEST VA, VA'    = 04
      'NON-DOD: DE, PA'         = 05
      'NON-DOD: MD, DIST. OF COL.' = 06
      'DOD: OK, TX'             = 07
      'DOD: NM'                 = 08
      'DOD: LA, AR'             = 09
      'NON-DOD: OK, TX'         = 10
      'NON-DOD: NM'             = 11
      'NON-DOD: LA, AR'         = 12
      'DOD: HI, CA'             = 13
      'DOD: AZ, NV'             = 14
      'NON-DOD: HI, CA'         = 15
      'NON-DOD: AZ, NV'         = 16
ADJW5T5 'BUILDING WEIGHT'
@ Columns 166 177 99999999999 @

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Layout for File 5: End Uses of Major Energy sources, Fuel Switching
(FB94F05T.TXT & FB94F05D.DBF)

	Variable Description	Variable Name	Position	
CASEID	Building identifier	BLDGID5	1- 7	\$ 7.
REGION	Building federal region	FEDREG5	9- 9	\$FEDREG. \$ 1.
	Principal building activity	PBA5	11- 12	\$ACTIVITY. \$ 2.
A7	Square footage	SQFT5	14- 20	MISS9CH. 7.
A8	Square footage category	SQFTC5	22- 23	\$SQFTC. \$ 2.
A14	Year of construction category	YRCONC5	25- 26	\$YRCONC. \$ 2.
C1A	Electricity used in 1992	ELUSED5	28- 28	\$YESNO. \$ 1.
C1B	Natural gas used in 1992	NGUSED5	30- 30	\$YESNO. \$ 1.
C1C	Fuel oil used in 1992	FKUSED5	32- 32	\$YESNO. \$ 1.
C1E	District steam used in 1992	STUSED5	34- 34	\$YESNO. \$ 1.
C1F	District hot water in 1992	HWUSED5	36- 36	\$YESNO. \$ 1.
C1G	District chilled water in 1992	CWUSED5	38- 38	\$YESNO. \$ 1.
C3AA	Electricity used for main heating	ELHT15	40- 40	\$XXSUPL. \$ 1.
C3AB	Natural gas used for main heating	NGHT15	42- 42	\$XXSUPL. \$ 1.
C3AC	Fuel oil used for main heating	FKHT15	44- 44	\$XXSUPL. \$ 1.
C3AE	District steam used for main heating	STHT15	46- 46	\$XXSUPL. \$ 1.
C3AF	District hot water for main heating	HWHT15	48- 48	\$XXSUPL. \$ 1.
C3BA	Electricity used for secondary heating	ELHT25	50- 50	\$XXSUPL. \$ 1.
C3BB	Natural gas used for secondary heating	NGHT25	52- 52	\$XXSUPL. \$ 1.
C3BC	Fuel oil used for secondary heating	FKHT25	54- 54	\$XXSUPL. \$ 1.
C3BE	District steam for secondary heating	STHT25	56- 56	\$XXSUPL. \$ 1.
C3BF	District hot water for secondary heat	HWHT25	58- 58	\$XXSUPL. \$ 1.
C3CA	Electricity used for cooling	ELCOOL5	60- 60	\$XXSUPL. \$ 1.
C3CB	Natural gas used for cooling	NGCOOL5	62- 62	\$XXSUPL. \$ 1.
C3CC	Fuel oil used for cooling	FKCOOL5	64- 64	\$XXSUPL. \$ 1.
C3CE	District steam used for cooling	STCOOL5	66- 66	\$XXSUPL. \$ 1.
C3CF	District hot water used for cooling	HWCOOL5	68- 68	\$XXSUPL. \$ 1.
C3CG	District chilled water used for cooling	CWCOOL5	70- 70	\$XXSUPL. \$ 1.
C3DA	Electricity used for water heating	ELWATR5	72- 72	\$XXSUPL. \$ 1.
C3DB	Natural gas used for water heating	NGWATR5	74- 74	\$XXSUPL. \$ 1.
C3DC	Fuel oil used for water heating	FKWATR5	76- 76	\$XXSUPL. \$ 1.
C3DE	District steam used for water heating	STWATR5	78- 78	\$XXSUPL. \$ 1.
C3DF	District hot water for water heating	HWWATR5	80- 80	\$XXSUPL. \$ 1.
C3EA	Electricity used for commercial cooking	ELCOOK5	82- 82	\$XXSUPL. \$ 1.
C3EB	Natural gas used for commercial cooking	NGCOOK5	84- 84	\$XXSUPL. \$ 1.
C3EC	Fuel oil used for commercial cooking	FKCOOK5	86- 86	\$XXSUPL. \$ 1.

C3EE	District steam for commercial cooking	STCOOK5	88-	88	\$XXSUPL.	\$	1.
C3EF	District hot water commercial cooking	HWCOOK5	90-	90	\$XXSUPL.	\$	1.
C3FA	Electricity used for manufacturing	ELMANU5	92-	92	\$XXSUPL.	\$	1.
C3FB	Natural gas used for manufacturing	NGMANU5	94-	94	\$XXSUPL.	\$	1.
C3FC	Fuel oil used for manufacturing	FKMANU5	96-	96	\$XXSUPL.	\$	1.
C3FE	District steam used for manufacturing	STMANU5	98-	98	\$XXSUPL.	\$	1.
C3FF	District hot water for manufacturing	HWMANU5	100-	100	\$XXSUPL.	\$	1.
C3GB	Natural gas used to generate electricity	NGGENR5	102-	102	\$XXSUPL.	\$	1.
C3GC	Fuel oil used to generate electricity	FKGENR5	104-	104	\$XXSUPL.	\$	1.
C6	Able to switch main heating fuel	SWITCH5	106-	106	\$YESNO.	\$	1.
C7A	Able to switch main heat to electricity	SWCHEL5	108-	108	\$YESNO.	\$	1.
C7B	Able to switch main heat to natural gas	SWCHNG5	110-	110	\$YESNO.	\$	1.
C7C	Able to switch main heat to fuel oil	SWCHFK5	112-	112	\$YESNO.	\$	1.
C7D	Able to switch main heat to propane	SWCHPR5	114-	114	\$YESNO.	\$	1.
C7E	Able to switch main heat to steam	SWCHST5	116-	116	\$YESNO.	\$	1.
C7F	Able to switch main heat to hot water	SWCHHW5	118-	118	\$YESNO.	\$	1.
C7G	Able to switch main heat to wood	SWCHWO5	120-	120	\$YESNO.	\$	1.
C7H	Able to switch main heat to other	SWCHOT5	122-	122	\$YESNO.	\$	1.
E18	Number of workers (all shifts)	TOTWK5	124-	128	MISS5CH.		5.
L17	Interruptible natural gas service	NGINTR5	130-	130	\$YESNO.	\$	1.
L18	Building uses transportation gas	TRNSGS5	132-	132	\$YESNO.	\$	1.
M18	Total fuel oil tank capacity (gallons)	TOTCAP5	134-	144	MISS11CH.		11.
P10	Consumption of propane in 1992 category	PRAMTC5	146-	146	\$PRCCAT.	\$	1.
P10A	Unit of measure for propane amounts	PRAUNT5	148-	148	\$PRUNIT.	\$	1.
P11	Expend. for propane in 1992 category	PREXPC5	150-	151	\$EXPCAT.	\$	2.
P11A	Maintain monthly lpg consumption data	PRMON5	153-	153	\$YESNO.	\$	1.
P12	Consumption of wood in 1992 category	WOAMTC5	155-	155	\$WOCCAT.	\$	1.
P13	Wood purchased or free of charge	WOSRC5	157-	157	\$WOSRC.	\$	1.
P14	Expend. for wood in 1992 category	WOEXPC5	159-	160	\$EXPCAT.	\$	2.
P15	Maintain monthly wood consumption data	WOMON5	162-	162	\$YESNO.	\$	1.
Q8	District chilled water bill coverage	CWCOVER5	164-	164	\$COVER.	\$	1.
Q9	Total rptd dist cw usage for this bldg	CWTOT5	166-	176	MISS11CH.		11.
Q10	Sq footage of all dist cw use buildings	CWOTSF5	178-	185	MISS8CH.		8.
Q11	Total rptd dist cw usage for all bldgs	CWTOTX5	187-	197	MISS11CH.		11.
Q12	Unit of measure for district cw	CWUNIT5	199-	199	\$CWUNIT.	\$	1.
Q13	Annual chilled water expenditures	CWEXP5	201-	209	MISS9CH.		9.
Q16A	Dist cw use/expnd info src: general	CWSRC5	211-	212	\$GENSRC.	\$	2.
Q17	Maintain monthly dist cw consump data	CWMON5	214-	214	\$YESNO.	\$	1.
DCWSPU	Annual chilled water consmp. (ton-hours)	CWCNS5	216-	226	MISS11CH.		11.
DCWSECU	Dist cw: stdrd enrgy contnt unit, mbtu	CWBTU5	228-	238	MISS11CH.		11.
STRATUM	Variance stratum	STRATUM5	240-	241		\$	2.
WEIGHT	Adjusted weight	ADJWT5	243-	254			12.

Variable Codes for File 5

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BLDGID5 'BUILDING IDENTIFIER'
@ Columns 1 7 9999999 @
FEDREG5 'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5 'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP' = 12
'PUBLIC ASSEMBLY' = 13
'EDUCATION' = 14
'FOOD SERVICES' = 15
'HOSPIT/INPAT HLTH SVCS' = 16
'SKIL NURS/RESIDTL CARE' = 17
'HOTEL/MOTEL/DORM' = 18
'RESIDENTIAL' = 19
'INDOOR ENCLSD PARK GAR' = 20
'OTHER' = 21
'ALL ACTIVITIES LT 75%' = 22

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'DK IF ONE ACTIV GT 75%' = 98
SQFT5  'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'
@ Columns 14 20 9999999 @
9999998 = DONT KNOW
9999999 = NOT ASCERTAINED
SQFTC5  'GROSS SQUARE FOOTAGE, CATEGORY'
@ Columns 22 23 99 @
'10,000 OR LESS' = 03
'10,001 - 25,000' = 04
'25,001 - 50,000' = 05
'50,001 - 100,000' = 06
'100,001 - 200,000' = 07
'200,001 - 500,000' = 08
'500,001 - 1 MILLION' = 09
'OVER 1 MILLION' = 10
'DONT KNOW' = 98
YRCONC5  'YEAR CONSTRUCTION COMPLETED (CATEGORY)'
@ Columns 25 26 99 @
'1899 OR BEFORE' = 01
'1900-1919' = 02
'1920-1945' = 03
'1946-1959' = 04
'1960-1969' = 05
'1970-1979' = 06
'1980-1989' = 07
'1990-1992' = 08
'1993-1994' = 09
ELUSED5  'USE ELECTRICITY'
@ Columns 28 28 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
NGUSED5  'USE NATURAL GAS'
@ Columns 30 30 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
FKUSED5  'USE FUEL OIL, DIESEL, OR KEROSENE'
@ Columns 32 32 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
STUSED5  'USE DISTRICT STEAM'
@ Columns 34 34 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
HWUSED5  'USE DISTRICT HOT WATER'
@ Columns 36 36 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CWUSED5  'USE DISTRICT CHILLED WATER'
@ Columns 38 38 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
ELHT15  'ELEC FOR MAIN HEAT'
@ Columns 40 40 9 @
'ELECTRICITY USED' = 1
'ELECTRICITY NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
NGHT15  'NATURAL GAS FOR MAIN HEAT'

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@ Columns 42 42 9 @
'NATURAL GAS USED' = 1
'NATURAL GAS NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
FKHT15 'FUEL OIL FOR MAIN HEAT'
@ Columns 44 44 9 @
'FUEL OIL USED' = 1
'FUEL OIL NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
STHT15 'DISTRICT STEAM FOR MAIN HEAT'
@ Columns 46 46 9 @
'DIST STEAM USED' = 1
'DIST STEAM NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
HWHT15 'DISTRICT HOT WATER FOR MAIN HEAT'
@ Columns 48 48 9 @
'DIST HOT H2O USED' = 1
'DIST HOT H2O NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
ELHT25 'ELEC FOR OTHER HEAT'
@ Columns 50 50 9 @
'ELECTRICITY USED' = 1
'ELECTRICITY NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
NGHT25 'NATURAL GAS FOR OTHER HEAT'
@ Columns 52 52 9 @
'NATURAL GAS USED' = 1
'NATURAL GAS NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
FKHT25 'FUEL OIL FOR OTHER HEAT'
@ Columns 54 54 9 @
'FUEL OIL USED' = 1
'FUEL OIL NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
STHT25 'DISTRICT STEAM FOR OTHER HEAT'
@ Columns 56 56 9 @
'DIST STEAM USED' = 1
'DIST STEAM NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
HWHT25 'DISTRICT HOT WATER FOR OTHER HEAT'
@ Columns 58 58 9 @
'DIST HOT H2O USED' = 1
'DIST HOT H2O NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
ELCOOL5 'ELEC FOR AIR COND'
@ Columns 60 60 9 @
'ELECTRICITY USED' = 1
'ELECTRICITY NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
NGCOOL5 'NATURAL GAS FOR AIR COND'
@ Columns 62 62 9 @
'NATURAL GAS USED' = 1
'NATURAL GAS NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
FKCOOL5 'FUEL OIL FOR AIR COND'

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@ Columns 64 64 9 @
'FUEL OIL USED' = 1
'FUEL OIL NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
STCOOL5 'DISTRICT STEAM FOR AIR COND'
@ Columns 66 66 9 @
'DIST STEAM USED' = 1
'DIST STEAM NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
HWCOOL5 'DISTRICT HOT WATER FOR AIR COND'
@ Columns 68 68 9 @
'DIST HOT H2O USED' = 1
'DIST HOT H2O NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CWCOOL5 'CHILLED WATER FOR AIR COND'
@ Columns 70 70 9 @
'CHILLED H2O USED' = 1
'CHILLED H2O NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
ELWATR5 'ELEC FOR HOT WATER HEAT'
@ Columns 72 72 9 @
'ELECTRICITY USED' = 1
'ELECTRICITY NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
NGWATR5 'NATURAL GAS FOR HOT WATER HEAT'
@ Columns 74 74 9 @
'NATURAL GAS USED' = 1
'NATURAL GAS NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
FKWATR5 'FUEL OIL FOR HOT WATER HEAT'
@ Columns 76 76 9 @
'FUEL OIL USED' = 1
'FUEL OIL NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
STWATR5 'DISTRICT STEAM FOR HOT WATER HEAT'
@ Columns 78 78 9 @
'DIST STEAM USED' = 1
'DIST STEAM NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
HWWATR5 'DISTRICT HOT WATER FOR HOT WATER HEAT'
@ Columns 80 80 9 @
'DIST HOT H2O USED' = 1
'DIST HOT H2O NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
ELCOOK5 'ELEC FOR COOKING'
@ Columns 82 82 9 @
'ELECTRICITY USED' = 1
'ELECTRICITY NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
NGCOOK5 'NATURAL GAS FOR COOKING'
@ Columns 84 84 9 @
'NATURAL GAS USED' = 1
'NATURAL GAS NOT USED' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
FKCOOK5 'FUEL OIL FOR COOKING'

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@ Columns      86      86      9 @
'FUEL OIL USED'      = 1
'FUEL OIL NOT USED'   = 2
'INAPPLICABLE'       = 7
'DONT KNOW'          = 8
'NOT ASCERTAINED'    = 9
STCOOK5 'DISTRICT STEAM FOR COOKING'
@ Columns      88      88      9 @
'DIST STEAM USED'     = 1
'DIST STEAM NOT USED' = 2
'INAPPLICABLE'       = 7
'DONT KNOW'          = 8
'NOT ASCERTAINED'    = 9
HWCOOK5 'DISTRICT HOT WATER FOR COOKING'
@ Columns      90      90      9 @
'DIST HOT H2O USED'   = 1
'DIST HOT H2O NOT USED' = 2
'INAPPLICABLE'       = 7
'DONT KNOW'          = 8
'NOT ASCERTAINED'    = 9
ELMANU5 'ELEC FOR INDUSTRIAL'
@ Columns      92      92      9 @
'ELECTRICITY USED'    = 1
'ELECTRICITY NOT USED' = 2
'INAPPLICABLE'       = 7
'DONT KNOW'          = 8
'NOT ASCERTAINED'    = 9
NGMANU5 'NATURAL GAS FOR INDUSTRIAL'
@ Columns      94      94      9 @
'NATURAL GAS USED'    = 1
'NATURAL GAS NOT USED' = 2
'INAPPLICABLE'       = 7
'DONT KNOW'          = 8
'NOT ASCERTAINED'    = 9
FKMANU5 'FUEL OIL FOR INDUSTRIAL'
@ Columns      96      96      9 @
'FUEL OIL USED'       = 1
'FUEL OIL NOT USED'   = 2
'INAPPLICABLE'       = 7
'DONT KNOW'          = 8
'NOT ASCERTAINED'    = 9
STMANU5 'DISTRICT STEAM USED FOR INDUSTRIAL'
@ Columns      98      98      9 @
'DIST STEAM USED'     = 1
'DIST STEAM NOT USED' = 2
'INAPPLICABLE'       = 7
'DONT KNOW'          = 8
'NOT ASCERTAINED'    = 9
HWMANU5 'DISTRICT HOT WATER FOR INDUSTRIAL'
@ Columns     100     100      9 @
'DIST HOT H2O USED'   = 1
'DIST HOT H2O NOT USED' = 2
'INAPPLICABLE'       = 7
'DONT KNOW'          = 8
'NOT ASCERTAINED'    = 9
NGGENR5 'NATURAL GAS TO GENERATE ELEC'
@ Columns     102     102      9 @
'NATURAL GAS USED'    = 1
'NATURAL GAS NOT USED' = 2
'INAPPLICABLE'       = 7
'DONT KNOW'          = 8
'NOT ASCERTAINED'    = 9
FKGENR5 'FUEL OIL TO GENERATE ELEC'
@ Columns     104     104      9 @
'FUEL OIL USED'       = 1
'FUEL OIL NOT USED'   = 2
'INAPPLICABLE'       = 7
'DONT KNOW'          = 8
'NOT ASCERTAINED'    = 9
SWITCH5 'SWITCH MAIN HEAT FUEL WITHIN ONE WEEK'
@ Columns     106     106      9 @
'YES'                 = 1
'NO'                  = 2
'INAPPLICABLE'       = 7
'DONT KNOW'          = 8
'NOT ASCERTAINED'    = 9
SWCHEL5 'SWITCH MAIN HEAT TO ELECTRICITY'

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@ Columns 108 108 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SWCHNG5 'SWITCH MAIN HEAT TO NATURAL GAS'
@ Columns 110 110 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SWCHFK5 'SWITCH MAIN HEAT TO FUEL OIL'
@ Columns 112 112 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SWCHPR5 'SWITCH MAIN HEAT TO PROPANE'
@ Columns 114 114 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SWCHST5 'SWITCH MAIN HEAT TO DISTRICT STEAM'
@ Columns 116 116 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SWCHHW5 'SWITCH MAIN HEAT TO HOT WATER'
@ Columns 118 118 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SWCHWO5 'SWITCH MAIN HEAT TO WOOD'
@ Columns 120 120 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SWCHOT5 'SWITCH MAIN HEAT TO OTHER FUEL'
@ Columns 122 122 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
TOTWK5 'NUM OF PEOPLE WHO WORK IN BLDG'
@ Columns 124 128 99999 @
99997 = INAPPLICABLE
99998 = DONT KNOW
99999 = NOT ASCERTAINED
NGINTR5 'NAT GAS ACCT ON INTERRUPTIBLE SERVC RATE'
@ Columns 130 130 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
TRNSGS5 'BUILDING USES TRANSPORTED NATURAL GAS'
@ Columns 132 132 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
TOTCAP5 'CAPACITY OF FUEL OIL STRG TANK (GALLONS)'
@ Columns 134 144 999999999 @
9999999996 = NO STORAGE TANKS

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99999999997 = INAPPLICABLE
99999999998 = DONT KNOW
PRAMTC5 'LPG USED IN BUILDING (CATEGORY)'
@ Columns 146 146 9 @
'LESS THAN 100' = 1
'100 TO 499' = 2
'500 TO 999' = 3
'1,000 OR MORE' = 4
'INAPPLICABLE' = 7
'DONT KNOW' = 8
PRAUNT5 'UNIT OF MEASURE FOR LPG'
@ Columns 148 148 9 @
'GALLONS' = 1
'POUNDS' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PREXPC5 'TOTAL EXPENDITURES FOR LPG'
@ Columns 150 151 99 @
'$100 OR LESS' = 01
'$101 TO $500' = 02
'$501 TO $1,000' = 03
'$1,001 TO $2,000' = 04
'$2,001 TO $5,000' = 05
'$5,001 TO $10,000' = 06
'$10,001 TO $20,000' = 07
'OVER $20,000' = 08
'INAPPLICABLE' = 97
'DONT KNOW' = 98
'NOT ASCERTAINED' = 99
PRMON5 'MAINTAIN MONTHLY LPG CONSUMPTION DATA'
@ Columns 153 153 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
WOAMTC5 'WOOD USED IN BUILDING (CATEGORY)'
@ Columns 155 155 9 @
'LESS THAN 1 CORD' = 1
'1 TO 9 CORDS' = 2
'10 TO 20 CORDS' = 3
'MORE THAN 20 CORDS' = 4
'INAPPLICABLE' = 7
'DONT KNOW' = 8
WOSRC5 'WOOD PURCHASED OR FREE'
@ Columns 157 157 9 @
'PURCHASED' = 1
'FREE FROM ANOTHER SRC' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
WOEXPC5 'TOTAL EXPENDITURES FOR WOOD'
@ Columns 159 160 99 @
'$100 OR LESS' = 01
'$101 TO $500' = 02
'$501 TO $1,000' = 03
'$1,001 TO $2,000' = 04
'$2,001 TO $5,000' = 05
'$5,001 TO $10,000' = 06
'$10,001 TO $20,000' = 07
'OVER $20,000' = 08
'INAPPLICABLE' = 97
'DONT KNOW' = 98
'NOT ASCERTAINED' = 99
WOMON5 'MAINTAIN MONTHLY WOOD CONSUMPTION DATA'
@ Columns 162 162 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CWCOVER5 'DIST CW USE INCLUDES OTHER BUILDINGS'
@ Columns 164 164 9 @
'ONLY THIS BLDG' = 1
'INCLUDES OTHER BLDGS' = 2
'INAPPLICABLE' = 7

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'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CWTOT5 'TOTAL RPRTD DIST CW USAGE FOR THIS BLDG'
@ Columns 166 176 999999999 @
9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
CWOTSF5 'SQ FOOTAGE OF ALL DIST CW USE BUILDINGS'
@ Columns 178 185 9999999 @
99999997 = INAPPLICABLE
99999998 = DONT KNOW
99999999 = NOT ASCERTAINED
CWTOTX5 'TOTAL RPRTD DIST CW USAGE FOR ALL BLDGS'
@ Columns 187 197 999999999 @
9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
CWUNIT5 'UNIT OF MEASURE FOR DISTRICT CW'
@ Columns 199 199 9 @
'MBTUS, 1000 BTUS' = 1
'POUNDS' = 2
'TON-HOURS' = 3
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CWEXP5 'TOTAL COST OF DISTRICT CW USAGE'
@ Columns 201 209 99999999 @
999999997 = INAPPLICABLE
999999998 = DONT KNOW
999999999 = NOT ASCERTAINED
CWSRC5 'DIST CW USE/EXPND INFO SRC: GENERAL'
@ Columns 211 212 99 @
'BILLS OR STATEMENTS' = 01
'DERIVE FROM OTHR SRC' = 02
'COMBINATION' = 03
'NOT GET USE/EXPND INFO' = 05
'INAPPLICABLE' = 97
'DONT KNOW' = 98
'NOT ASCERTAINED' = 99
CWMON5 'MAINTAIN MONTHLY DIST CW CONSUMP DATA'
@ Columns 214 214 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CWCNS5 'DIST CW: STANDARD PHYSICAL UNIT'
@ Columns 216 226 999999999 @
9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
CWBUT5 'DIST CW: STDRD ENRGY CONTNT UNIT, MBTU'
@ Columns 228 238 999999999 @
9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
STRATUM5 'STRATUM NUMBER'
@ Columns 240 241 99 @
'DOD: WEST VA, VA' = 01
'DOD: DE, PA' = 02
'DOD: MD, DIST. OF COL.' = 03
'NON-DOD: WEST VA, VA' = 04
'NON-DOD: DE, PA' = 05
'NON-DOD: MD, DIST. OF COL.' = 06
'DOD: OK, TX' = 07
'DOD: NM' = 08
'DOD: LA, AR' = 09
'NON-DOD: OK, TX' = 10
'NON-DOD: NM' = 11
'NON-DOD: LA, AR' = 12
'DOD: HI, CA' = 13
'DOD: AZ, NV' = 14
'NON-DOD: HI, CA' = 15
'NON-DOD: AZ, NV' = 16
ADJWT5 'BUILDING WEIGHT'
@ Columns 243 254 9999999999 @

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Layout for File 6: Manor Energy sources, Special Energy Technologies, Refrigeration,
Water Heating Equipment, Multibuilding Facilities, Electricity
Generation, Central Plant
(FB94F06T.TXT & FB94F06D.DBF)

Variable Description		Variable Name Position				
CASEID	Building identifier	BLDGID5	1-	7		\$ 7.
REGION	Building federal region	FEDREG5	9-	9	\$FEDREG.	\$ 1.
	Principal building activity	PBA5	11-	12	\$ACTIVITY.	\$ 2.
A7	Square footage	SQFT5	14-	20	MISS9CH.	7.
A8	Square footage category	SQFTC5	22-	23	\$SQFTC.	\$ 2.
A14	Year of construction category	YRCONC5	25-	26	\$YRCONC.	\$ 2.
C1A	Electricity used in 1992	ELUSED5	28-	28	\$YESNO.	\$ 1.
C1B	Natural gas used in 1992	NGUSED5	30-	30	\$YESNO.	\$ 1.
C1C	Fuel oil used in 1992	FKUSED5	32-	32	\$YESNO.	\$ 1.
C1D	Propane used in 1992	PRUSED5	34-	34	\$YESNO.	\$ 1.
C1E	District steam used in 1992	STUSED5	36-	36	\$YESNO.	\$ 1.
C1F	District hot water in 1992	HWUSED5	38-	38	\$YESNO.	\$ 1.
C1G	District chilled water in 1992	CWUSED5	40-	40	\$YESNO.	\$ 1.
C1H	Wood used in 1992	WOUSED5	42-	42	\$YESNO.	\$ 1.
C1I	Coal used in 1992	COUSED5	44-	44	\$YESNO.	\$ 1.
C1J	Photovoltaic cells used in 1992	PVUSED5	46-	46	\$YESNO.	\$ 1.
C1K	Active solar used in 1992	SOUSED5	48-	48	\$YESNO.	\$ 1.
TNUMES	Number of energy sources used	NSRC5	50-	51	MISS2CH.	2.
C3AD	Propane used for main heating	PRHT15	53-	53	\$YESNO.	\$ 1.
C3AH	Wood used for main heating	WOHT15	55-	55	\$YESNO.	\$ 1.
C3AI	Coal used for main heating	COHT15	57-	57	\$YESNO.	\$ 1.
C3AJ	Photovoltaic cells used for main heat	PVHT15	59-	59	\$YESNO.	\$ 1.
C3AK	Active solar used for main heating	SOHT15	61-	61	\$YESNO.	\$ 1.
C3BD	Propane used for secondary heating	PRHT25	63-	63	\$YESNO.	\$ 1.
C3BH	Wood used for secondary heating	WOHT25	65-	65	\$YESNO.	\$ 1.
C3BI	Coal used for secondary heating	COHT25	67-	67	\$YESNO.	\$ 1.
C3BJ	Photovoltaic cells used for 2nd heat	PVHT25	69-	69	\$YESNO.	\$ 1.
C3BK	Active solar used for secondary heating	SOHT25	71-	71	\$YESNO.	\$ 1.
C3CD	Propane used for cooling	PRCOOL5	73-	73	\$YESNO.	\$ 1.
C3CJ	Photovoltaic cells used for cooling	PVCOOL5	75-	75	\$YESNO.	\$ 1.
C3CK	Active solar used for cooling	SOCOOL5	77-	77	\$YESNO.	\$ 1.
C3DD	Propane used for water heating	PRWATR5	79-	79	\$YESNO.	\$ 1.
C3DH	Wood used for water heating	WOWATR5	81-	81	\$YESNO.	\$ 1.
C3DI	Coal used for water heating	COWATR5	83-	83	\$YESNO.	\$ 1.
C3DJ	Photovoltaic cells used for water heat	PVWATR5	85-	85	\$YESNO.	\$ 1.
C3DK	Active solar used for water heating	SOWATR5	87-	87	\$YESNO.	\$ 1.
C3ED	Propane used for commercial cooking	PRCOOK5	89-	89	\$YESNO.	\$ 1.
C3EH	Wood used for commercial cooking	WOCOOK5	91-	91	\$YESNO.	\$ 1.
C3EI	Coal used for commercial cooking	COCOOK5	93-	93	\$YESNO.	\$ 1.
C3EJ	Photovoltaic cells for commerc. cooking	PVCOOK5	95-	95	\$YESNO.	\$ 1.
C3EK	Active solar for commercial cooking	SOCOOK5	97-	97	\$YESNO.	\$ 1.
C3FD	Propane used for manufacturing	PRMANU5	99-	99	\$YESNO.	\$ 1.
C3FH	Wood used for manufacturing	WOMANU5	101-	101	\$YESNO.	\$ 1.
C3FI	Coal used for manufacturing	COMANU5	103-	103	\$YESNO.	\$ 1.
C3FJ	Photovoltaic cells used for manufac.	PVMANU5	105-	105	\$YESNO.	\$ 1.
C3FK	Active solar used for manufacturing	SOMANU5	107-	107	\$YESNO.	\$ 1.
C3GD	Propane used to generate electricity	PRGENR5	109-	109	\$YESNO.	\$ 1.
C3GH	Wood used to generate electricity	WOGENR5	111-	111	\$YESNO.	\$ 1.
C3GI	Coal used to generate electricity	COGENR5	113-	113	\$YESNO.	\$ 1.
C3GJ	Photovoltaic cells to gen. electricity	PVGENR5	115-	115	\$YESNO.	\$ 1.
C3GK	Active solar to generate electricity	SOGENR5	117-	117	\$YESNO.	\$ 1.
BOX10	Each energy source has end use reported	EERPT5	119-	119	\$SRCRPT.	\$ 1.
C4OTH1	First other end use	OTEE15	121-	122	\$OTEE.	\$ 2.
C4OTH1A	Energy source for first other end use	OTSRC15	124-	125	\$OTSRC.	\$ 2.
BOX11	Each end use has energy source reported	SRCRPT5	127-	127	\$SRCRPT.	\$ 1.
BOX12	Bldg. has at least one fuel for heating	ANYHT5	129-	129	\$YESNO.	\$ 1.
C8A	Building uses TES or pump storage	TESTEC5	131-	131	\$YESNO.	\$ 1.
C8B	Building uses passive solar features	PASTEC5	133-	133	\$YESNO.	\$ 1.
C8C	Building uses geothermal energy	GEOTEC5	135-	135	\$YESNO.	\$ 1.
C8D	Building uses well water cooling	WELTEC5	137-	137	\$YESNO.	\$ 1.
C8E	Building uses waste incineration	WASTEC5	139-	139	\$YESNO.	\$ 1.
C8F	Building uses wind generation	WNDTEC5	141-	141	\$YESNO.	\$ 1.
C8G	Building uses other special technology	TECOTH5	143-	143	\$YESNO.	\$ 1.
C8H	Building uses no special technology	NONTEC5	145-	145	\$YESNO.	\$ 1.
D12	Commercial refrig./freezer equip present	RFGEQP5	147-	147	\$YESNO.	\$ 1.
D12A	Age of main refrigeration equipment	RFGQYR5	149-	149	\$EQPAGE.	\$ 1.
D12B	Retro/pur refrig equip w/in past 10 yrs	RFGQRP5	151-	151	\$RETRO.	\$ 1.
D13	Refrig./freezer walk-in units in bldg.	RFGWI5	153-	153	\$YESNO.	\$ 1.
D14	Number of walk-in units	RFGWIN5	155-	157	MISS3CH.	3.

D15	Refrig./freezer cases/cabinets in bldg.	RFGCAS5	159- 159	\$YESNO.	\$	1.
BOX15	Energy source for water heating checked	WTRCK5	161- 161	\$YESNO.	\$	1.
D19	Water heat sys centralized/distributed	WTHCD5	163- 163	\$CENDIST.	\$	1.
D19A1	Centralized storage tank water heater	WCTNK5	165- 165	\$YESNO.	\$	1.
D19A2	Water heat drawn from space heat equip.	WCSPC5	167- 167	\$YESNO.	\$	1.
D19A3	Other centralized water heating system	WCOTH5	169- 169	\$YESNO.	\$	1.
D19A8	Water heat sys: central/dont know	WCDK5	171- 171	\$YESNO.	\$	1.
D19B4	Res.-type storage tank water heaters	WDRES5	173- 173	\$YESNO.	\$	1.
D19B5	Instantaneous water heaters	WDINS5	175- 175	\$YESNO.	\$	1.
D19B6	Other distributed water heating system	WDOH5	177- 177	\$YESNO.	\$	1.
D19C8	Water heat sys: distrib/dont know	WDDK5	179- 179	\$YESNO.	\$	1.
D19D	Age of water heat equipment	WHTQYR5	181- 181	\$EQPAGE.	\$	1.
E3	Multibuilding facility or complex	FACIL5	183- 183	\$YESNO.	\$	1.
E4	Principal facility activity	FACACT5	185- 186	\$FACACT.	\$	2.
E18	Number of workers (all shifts)	TOTWK5	188- 192	MISS5CH.		5.
I1	Non-emergency generating capability	GENER5	194- 194	\$YESNO.	\$	1.
I5A	Generated elec totally consumed in bldg.	GENBLD5	196- 196	\$YESNO.	\$	1.
I5B	Generated elec delivered to utility	GENUTL5	198- 198	\$YESNO.	\$	1.
I5C	Generated elec delivered to other bldg.	GENOTB5	200- 200	\$YESNO.	\$	1.
I5D	No electricity generated in 1992	GENOFF5	202- 202	\$YESNO.	\$	1.
I5E	Generated elec has unknown distribution	GENDK5	204- 204	\$YESNO.	\$	1.
BOX19	Bldg. part of a multibuilding facility	MLTBFAC5	206- 206	\$YESNO.	\$	1.
J2A	Central plant produces dist. hot water	FACDHW5	208- 208	\$YESNO.	\$	1.
J2B	Central plant produces district steam	FACDST5	210- 210	\$YESNO.	\$	1.
J2C	Central plant produces dist. chill water	FACDCW5	212- 212	\$YESNO.	\$	1.
J2D	Central plant produces electricity	FACELC5	214- 214	\$YESNO.	\$	1.
STRATUM	Variance stratum	STRATUM5	216- 217		\$	2.
WEIGHT	Adjusted weight	ADJWT5	219- 230			12.

Variable Codes for File 6

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BLDGID5  'BUILDING IDENTIFIER'
@ Columns 1 7 999999 @
FEDREG5  'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5     'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP' = 12
'PUBLIC ASSEMBLY' = 13
'EDUCATION' = 14
'FOOD SERVICES' = 15
'HOSPIT/INPAT HLTH SVCS' = 16
'SKIL NURS/RESIDTL CARE' = 17
'HOTEL/MOTEL/DORM' = 18
'RESIDENTIAL' = 19
'INDOOR ENCLSD PARK GAR' = 20
'OTHER' = 21
'ALL ACTIVITIES LT 75%' = 22
'DK IF ONE ACTIV GT 75%' = 98
SQFT5    'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'
@ Columns 14 20 999999 @
9999998 = DONT KNOW
9999999 = NOT ASCERTAINED
SQFTC5   'GROSS SQUARE FOOTAGE, CATEGORY'
@ Columns 22 23 99 @
'10,000 OR LESS' = 03
'10,001 - 25,000' = 04
'25,001 - 50,000' = 05
'50,001 - 100,000' = 06
'100,001 - 200,000' = 07
'200,001 - 500,000' = 08
'500,001 - 1 MILLION' = 09

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	'OVER 1 MILLION'	= 10
	'DONT KNOW'	= 98
YRCONC5	'YEAR CONSTRUCTION COMPLETED (CATEGORY)'	
@	Columns 25 26 99 @	
	'1899 OR BEFORE'	= 01
	'1900-1919'	= 02
	'1920-1945'	= 03
	'1946-1959'	= 04
	'1960-1969'	= 05
	'1970-1979'	= 06
	'1980-1989'	= 07
	'1990-1992'	= 08
	'1993-1994'	= 09
ELUSED5	'USE ELECTRICITY'	
@	Columns 28 28 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
NGUSED5	'USE NATURAL GAS'	
@	Columns 30 30 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
FKUSED5	'USE FUEL OIL, DIESEL, OR KEROSENE'	
@	Columns 32 32 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
PRUSED5	'USE BOTTLED GAS, LPG, OR PROPANE'	
@	Columns 34 34 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
STUSED5	'USE DISTRICT STEAM'	
@	Columns 36 36 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
HWUSED5	'USE DISTRICT HOT WATER'	
@	Columns 38 38 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
CWUSED5	'USE DISTRICT CHILLED WATER'	
@	Columns 40 40 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
WOUSED5	'USE WOOD'	
@	Columns 42 42 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
COUSED5	'USE COAL'	
@	Columns 44 44 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
PVUSED5	'USE PVCS'	

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@ Columns      46      46      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
SOUSED5 'USE ACTIVE SOLAR COLLECTORS'
@ Columns      48      48      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
NSRC5 'TOTAL ENERGY SOURCES USED'
@ Columns      50      51      99 @
97 = INAPPLICABLE
98 = DONT KNOW
99 = NOT ASCERTAINED
PRHT15 'BOTTLED GAS FOR MAIN HEAT'
@ Columns      53      53      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
WOHT15 'WOOD FOR MAIN HEAT'
@ Columns      55      55      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
COHT15 'COAL FOR MAIN HEAT'
@ Columns      57      57      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
PVHT15 'SOLAR PVCS FOR MAIN HEAT'
@ Columns      59      59      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
SOHT15 'SOLAR COLLECTORS FOR MAIN HEAT'
@ Columns      61      61      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
PRHT25 'BOTTLED GAS FOR OTHER HEAT'
@ Columns      63      63      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
WOHT25 'WOOD FOR OTHER HEAT'
@ Columns      65      65      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
COHT25 'COAL FOR OTHER HEAT'
@ Columns      67      67      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
PVHT25 'SOLAR PVCS FOR OTHER HEAT'
@ Columns      69      69      9 @
'YES'          = 1

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'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9
SOHT25 'SOLAR COLLECTORS FOR OTHER HEAT'		
@ Columns 71 71 9 @		
'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9
PRCOOL5 'BOTTLED GAS FOR AIR COND'		
@ Columns 73 73 9 @		
'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9
PVCOOL5 'SOLAR PVCS FOR AIR COND'		
@ Columns 75 75 9 @		
'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9
SOCOOL5 'SOLAR COLLECTORS FOR AIR COND'		
@ Columns 77 77 9 @		
'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9
PRWATR5 'BOTTLED GAS FOR HOT WATER HEAT'		
@ Columns 79 79 9 @		
'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9
WOWATR5 'WOOD FOR HOT WATER HEAT'		
@ Columns 81 81 9 @		
'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9
COWATR5 'COAL FOR HOT WATER HEAT'		
@ Columns 83 83 9 @		
'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9
PVWATR5 'SOLAR PVCS FOR HOT WATER HEAT'		
@ Columns 85 85 9 @		
'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9
SOWATR5 'SOLAR COLLECTORS FOR HOT WATER HEAT'		
@ Columns 87 87 9 @		
'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9
PRCOOK5 'BOTTLED GAS FOR COOKING'		
@ Columns 89 89 9 @		
'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9
WOCOOK5 'WOOD FOR COOKING'		
@ Columns 91 91 9 @		
'YES'	=	1

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'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
COCOOK5 'COAL FOR COOKING'
@ Columns 93 93 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PVCOOK5 'SOLAR PVCS USED FOR COOKING'
@ Columns 95 95 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SOCOOK5 'SOLAR COLLECTORS FOR COOKING'
@ Columns 97 97 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PRMANU5 'BOTTLED GAS FOR INDUSTRIAL'
@ Columns 99 99 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
WOMANU5 'WOOD FOR INDUSTRIAL'
@ Columns 101 101 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
COMANU5 'COAL FOR INDUSTRIAL'
@ Columns 103 103 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PVMANU5 'SOLAR PVCS USED FOR INDUSTRIAL'
@ Columns 105 105 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SOMANU5 'SOLAR COLLECTORS FOR INDUSTRIAL'
@ Columns 107 107 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PRGENR5 'BOTTLED GAS TO GENERATE ELEC'
@ Columns 109 109 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
WOGENR5 'WOOD TO GENERATE ELEC'
@ Columns 111 111 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
COGENR5 'COAL TO GENERATE ELEC'
@ Columns 113 113 9 @
'YES' = 1

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'NO'	= 2
'INAPPLICABLE'	= 7
'DONT KNOW'	= 8
'NOT ASCERTAINED'	= 9
PVGENR5 'SOLAR PVCS USED TO GENERATE ELEC'	
@ Columns 115 115 9 @	
'YES'	= 1
'NO'	= 2
'INAPPLICABLE'	= 7
'DONT KNOW'	= 8
'NOT ASCERTAINED'	= 9
SOGENR5 'SOLAR COLLECTORS TO GENERATE ELEC'	
@ Columns 117 117 9 @	
'YES'	= 1
'NO'	= 2
'INAPPLICABLE'	= 7
'DONT KNOW'	= 8
'NOT ASCERTAINED'	= 9
EERPT5 'EACH REPORTD FUEL HAS AT LEAST 1 END USE'	
@ Columns 119 119 9 @	
'YES'	= 1
'NO'	= 2
'NOT ASCERTAINED'	= 9
OTEE15 'HOW ENERGY SRC W/O END USE USED'	
@ Columns 121 122 99 @	
'VERBATIM LISTING'	= 95
'INAPPLICABLE'	= 97
'DONT KNOW'	= 98
'NOT ASCERTAINED'	= 99
OTSRC15 'ENERGY SOURCE FOR OTHER END USE'	
@ Columns 124 125 99 @	
'ELECTRIC'	= 01
'NATURAL GAS'	= 02
'FUEL OIL'	= 03
'BOTTLED GAS'	= 04
'DISTRICT STEAM'	= 05
'DISTRICT HOT H2O'	= 06
'DISTRICT CHILLED H2O'	= 07
'WOOD'	= 08
'COAL'	= 09
'SOLAR PVCS'	= 10
'ACTIVE SOLAR COLLECTOR'	= 11
'OTHER 1'	= 12
'OTHER 2'	= 13
'OTHER 3'	= 14
'INAPPLICABLE'	= 97
'NOT ASCERTAINED'	= 99
SRCRPT5 'EACH END USE HAS AT LEAST ONE PUNCH'	
@ Columns 127 127 9 @	
'YES'	= 1
'NO'	= 2
'NOT ASCERTAINED'	= 9
ANYHT5 'AT LEAST ONE HEATING FUEL MENTIONED'	
@ Columns 129 129 9 @	
'YES'	= 1
'NO'	= 2
'INAPPLICABLE'	= 7
'DONT KNOW'	= 8
'NOT ASCERTAINED'	= 9
TESTEC5 'USE TES OR PUMP STORAGE'	
@ Columns 131 131 9 @	
'YES'	= 1
'NO'	= 2
'INAPPLICABLE'	= 7
'DONT KNOW'	= 8
'NOT ASCERTAINED'	= 9
PASTEC5 'USE PASSIVE SOLAR FEATURES'	
@ Columns 133 133 9 @	
'YES'	= 1
'NO'	= 2
'INAPPLICABLE'	= 7
'DONT KNOW'	= 8
'NOT ASCERTAINED'	= 9
GEOTEC5 'USE GEOTHERMAL ENERGY'	
@ Columns 135 135 9 @	
'YES'	= 1
'NO'	= 2

'INAPPLICABLE'	= 7
'DONT KNOW'	= 8
'NOT ASCERTAINED'	= 9

WELTEC5 'USE WELL WATER FOR COOLING'

@ Columns 137 137 9 @	
'YES'	= 1
'NO'	= 2
'INAPPLICABLE'	= 7
'DONT KNOW'	= 8
'NOT ASCERTAINED'	= 9

WASTE5C 'USE WASTE INCINERATION TO PROD ENERGY'

@ Columns 139 139 9 @	
'YES'	= 1
'NO'	= 2
'INAPPLICABLE'	= 7
'DONT KNOW'	= 8
'NOT ASCERTAINED'	= 9

WNDTEC5 'USE WIND GENERATION'

@ Columns 141 141 9 @	
'YES'	= 1
'NO'	= 2
'INAPPLICABLE'	= 7
'DONT KNOW'	= 8
'NOT ASCERTAINED'	= 9

TECOTH5 'USE OTHER TECHNOLOGY'

@ Columns 143 143 9 @	
'YES'	= 1
'NO'	= 2
'INAPPLICABLE'	= 7
'DONT KNOW'	= 8
'NOT ASCERTAINED'	= 9

NONTEC5 'USE NO SPECIAL ENERGY TECHNOLOGY'

@ Columns 145 145 9 @	
'YES'	= 1
'NO'	= 2
'INAPPLICABLE'	= 7
'DONT KNOW'	= 8
'NOT ASCERTAINED'	= 9

RFGEQP5 'COMMERCIAL REFRIGERATION/FREEZER EQUIP'

@ Columns 147 147 9 @	
'YES'	= 1
'NO'	= 2
'INAPPLICABLE'	= 7
'DONT KNOW'	= 8
'NOT ASCERTAINED'	= 9

RFQGQR5 'AGE OF MAIN REFRIGERATION EQUIPMENT'

@ Columns 149 149 9 @	
'ALL EQUIP LT 10 YRS'	= 1
'ALL EQUIP 10 YRS +'	= 2
'SOME LT 10, SOME 10+'	= 3
'INAPPLICABLE'	= 7
'DONT KNOW'	= 8
'NOT ASCERTAINED'	= 9

RFQGQR5 'RETRO/PUR REFRIG EQUIP W/IN PAST 10 YRS'

@ Columns 151 151 9 @	
QUESTION NEW TO FBSS	
'YES, RETROFITTED'	= 1
'YES, PURCHASED'	= 2
'NO'	= 3
'BOTH, RETRO+PURCHASE'	= 4
'INAPPLICABLE'	= 7
'DONT KNOW'	= 8
'NOT ASCERTAINED'	= 9

RFGW15 'REFRIGERATED/FREEZER WALK-IN UNITS'

@ Columns 153 153 9 @	
'YES'	= 1
'NO'	= 2
'INAPPLICABLE'	= 7
'DONT KNOW'	= 8
'NOT ASCERTAINED'	= 9

RFGW15 'NUMBER OF FREEZER WALK-IN UNITS'

@ Columns 155 157 999 @	
997 = INAPPLICABLE	
998 = DONT KNOW	
999 = NOT ASCERTAINED	

RFGCAS5 'REFRIG/FREEZER CASES OTHER THAN WALK-INS'

@ Columns 159 159 9 @	
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      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
WTRCK5 'AT LEAST ONE ENRGY SOURCE FOR WATER HEAT'
  @ Columns 161 161 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
WHTCD5 'WATER HEAT SYS CENTRALIZED/DISTRIBUTED'
  @ Columns 163 163 9 @
      'CENTRALIZED' = 1
      'DISTRIBUTED' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
WCTNK5 'WATER HEAT SYS: CENTRAL/STORAGE TANK'
  @ Columns 165 165 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
WCSPC5 'WATER HEAT SYS: CENTRAL/SPACE HEAT EQUIP'
  @ Columns 167 167 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
WCOTH5 'WATER HEAT SYS: CENTRAL/OTHER'
  @ Columns 169 169 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
WCDK5 'WATER HEAT SYS: CENTRAL/DONT KNOW'
  @ Columns 171 171 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
WDRES5 'WATER HEAT SYS: DISTRIB/STOR WATER HEATR'
  @ Columns 173 173 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
WDINS5 'WATER HEAT SYS: DISTRIB/PT OF USE HEATR'
  @ Columns 175 175 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
WDOH5 'WATER HEAT SYS: DISTRIB/OTHER'
  @ Columns 177 177 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
WDDK5 'WATER HEAT SYS: DISTRIB/DONT KNOW'
  @ Columns 179 179 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
WHTQYR5 'AGE OF WATER HEAT EQUIPMENT'
  @ Columns 181 181 9 @

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'ALL EQUIP LT 10 YRS'      = 1
'ALL EQUIP 10 YRS +'      = 2
'SOME LT 10, SOME 10+'    = 3
'INAPPLICABLE'            = 7
'DONT KNOW'               = 8
'NOT ASCERTAINED'        = 9
FACIL5  'BUILDING PART OF MULTI-BUILDING FACIL'
@ Columns 183 183 9 @
'YES'                      = 1
'NO'                      = 2
'INAPPLICABLE'            = 7
'DONT KNOW'               = 8
'NOT ASCERTAINED'        = 9
FACACT5 'MAIN FUNCTION IN MULTI-BUILDING FACIL'
@ Columns 185 186 99 @
'GRADES K-12'              = 01
'COLLEGE, UNIV, JR COLL'  = 02
'OTHER SCHOOLS'            = 03
'SHOPPING CENTER/MALL'    = 04
'AUTO SALES AND SERVICE'  = 05
'OTHR RETAIL SALE, SERV'  = 06
'OFFICE'                  = 07
'WAREHOUSE'               = 08
'INDUST/MANUFACTURING'    = 09
'HOSPITAL'                = 10
'RELIGIOUS ACTIVITIES'    = 11
'HOTEL/MOTEL'             = 12
'AMUSEMENT, RECREATION'   = 13
'TRANSPORTATION'          = 14
'RESIDENTIAL'             = 15
'AGRICULTURAL'            = 16
'OTHER'                   = 17
'INAPPLICABLE'            = 97
'DONT KNOW'               = 98
'NOT ASCERTAINED'        = 99
TOTWK5  'NUM OF PEOPLE WHO WORK IN BLDG'
@ Columns 188 192 99999 @
99997 = INAPPLICABLE
99998 = DONT KNOW
99999 = NOT ASCERTAINED
GENERS5 'CAN BUILDING GENERATE ELECTRIC POWER'
@ Columns 194 194 9 @
'YES'                      = 1
'NO'                      = 2
'INAPPLICABLE'            = 7
'DONT KNOW'               = 8
'NOT ASCERTAINED'        = 9
GENBLD5 'ELEC PWR GEN ON SITE: TOTALLY CONSUMED'
@ Columns 196 196 9 @
'YES'                      = 1
'NO'                      = 2
'INAPPLICABLE'            = 7
'DONT KNOW'               = 8
'NOT ASCERTAINED'        = 9
GENUTL5 'ELEC PWR GEN ON SITE: DELIV TO ELEC UTIL'
@ Columns 198 198 9 @
'YES'                      = 1
'NO'                      = 2
'INAPPLICABLE'            = 7
'DONT KNOW'               = 8
'NOT ASCERTAINED'        = 9
GENOTB5 'ELEC PWR GEN ON SITE: DELIV TO OTH BLDG'
@ Columns 200 200 9 @
'YES'                      = 1
'NO'                      = 2
'INAPPLICABLE'            = 7
'DONT KNOW'               = 8
'NOT ASCERTAINED'        = 9
GENOFF5 'ELEC PWR GEN ON SITE: GENERATRS NOT USED'
@ Columns 202 202 9 @
'YES'                      = 1
'NO'                      = 2
'INAPPLICABLE'            = 7
'DONT KNOW'               = 8
'NOT ASCERTAINED'        = 9
GENDK5  'ELEC PWR GEN ON SITE: DONT KNOW'
@ Columns 204 204 9 @

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'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
MLTBFAC5 'BLDG PART OF MULTI-BUILDING FACILITY'
@ Columns 206 206 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
FACDHW5 'CENT PHYS PLANT PRODUCE DIST HOT WATER'
@ Columns 208 208 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
FACDST5 'CENT PHYS PLANT PRODUCE DIST STEAM'
@ Columns 210 210 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
FACDCW5 'CENT PHYS PLANT PRODUCE DIST CHILL WATER'
@ Columns 212 212 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
FACELC5 'CENT PHYS PLANT PRODUCE ELECTRICITY'
@ Columns 214 214 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
STRATUM5 'STRATUM NUMBER'
@ Columns 216 217 99 @
'DOD: WEST VA, VA' = 01
'DOD: DE, PA' = 02
'DOD: MD, DIST. OF COL.' = 03
'NON-DOD: WEST VA, VA' = 04
'NON-DOD: DE, PA' = 05
'NON-DOD: MD, DIST. OF COL.' = 06
'DOD: OK, TX' = 07
'DOD: NM' = 08
'DOD: LA, AR' = 09
'NON-DOD: OK, TX' = 10
'NON-DOD: NM' = 11
'NON-DOD: LA, AR' = 12
'DOD: HI, CA' = 13
'DOD: AZ, NV' = 14
'NON-DOD: HI, CA' = 15
'NON-DOD: AZ, NV' = 16
ADJWT5 'BUILDING WEIGHT'
@ Columns 219 230 999999999999 @

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Layout for File 7: Lighting Equipment, Conservation Features, Energy Management
Practices, Demand-Side Management (DSM) Programs
(FB94F07T.TXT & FB94F07D.DBF)

	Variable Description	Variable Name	Position	
CASEID	Building identifier	BLDGID5	1- 7	\$ 7.
REGION	Building federal region	FEDREG5	9- 9	\$FEDREG. \$ 1.
	Principal building activity	PBA5	11- 12	\$ACTIVITY. \$ 2.
A7	Square footage	SQFT5	14- 20	MISS9CH. 7.
A8	Square footage category	SQFTC5	22- 23	\$SQFTC. \$ 2.
A14	Year of construction category	YRCONC5	25- 26	\$YRCONC. \$ 2.
C1A	Electricity used in 1992	ELUSED5	28- 28	\$YESNO. \$ 1.
C1B	Natural gas used in 1992	NGUSED5	30- 30	\$YESNO. \$ 1.

C1C	Fuel oil used in 1992	FKUSED5	32-	32	\$YESNO.	\$	1.
C1E	District steam used in 1992	STUSED5	34-	34	\$YESNO.	\$	1.
C1F	District hot water in 1992	HWUSED5	36-	36	\$YESNO.	\$	1.
C1G	District chilled water in 1992	CWUSED5	38-	38	\$YESNO.	\$	1.
E18	Number of workers (all shifts)	TOTWK5	40-	44	MISS5CH.		5.
G1	Percent lit during operating hours	LTOHRP5	46-	48	LTOHRP.		3.
G3	Percent lit during off-hours	LTNHRP5	50-	52	LTOHRP.		3.
BOX17	Any percentage of building reported lit	LTONHRP5	54-	54	\$YESNO.	\$	1.
G5A	Incandescent bulbs used	BULB5	56-	56	\$YESNO.	\$	1.
G5B	Fluorescent lights used	FLUOR5	58-	58	\$YESNO.	\$	1.
G5C	Compact fluorescent bulbs used	CFLR5	60-	60	\$YESNO.	\$	1.
G5D	High-intensity discharge lights used	HID5	62-	62	\$YESNO.	\$	1.
G5F	Use electronic ballast	HEB5	64-	64	\$YESNO.	\$	1.
G5E	Any other lighting equipment used	OTLT5	66-	66	\$YESNO.	\$	1.
G5EOTH	Type of other lighting equipment	OTLT15	68-	69	\$OTLIT.	\$	2.
G7A	Pct. lit by incandescent bulbs category	BULBPC5	71-	71	\$PCTCAT.	\$	1.
G7B	Pct. lit by fluorescent lights category	FLRPC5	73-	73	\$PCTCAT.	\$	1.
G7C	Pct. lit by compact fluorescent category	CFLRPC5	75-	75	\$PCTCAT.	\$	1.
G7D	Percent lit by HID lights category	HIDPC5	77-	77	\$PCTCAT.	\$	1.
G7F	Percent lit by electronic ballast	HEBPC5	79-	79	\$PCTCAT.	\$	1.
G7E	Pct. lit by other light equip. category	OTLTPC5	81-	81	\$PCTCAT.	\$	1.
G8A	Specular reflectors used	SREF5	83-	83	\$YESNO.	\$	1.
G8B	Daylighting controls	DAYCTL5	85-	85	\$YESNO.	\$	1.
G8C	Occupancy sensors used	OCSN5	87-	87	\$YESNO.	\$	1.
G8D	Time clocks or timed switches used	TMCK5	89-	89	\$YESNO.	\$	1.
G8E	Manual dimmer switches used	MNLD5	91-	91	\$YESNO.	\$	1.
G8F	Other lighting conservation equip. used	OLCN5	93-	93	\$YESNO.	\$	1.
G8FOTH	Type of other light conservation equip.	OLCN15	95-	96	\$OTLCN.	\$	2.
G10A	Percent specular reflectors category	SREFPC5	98-	98	\$PCTCAT.	\$	1.
G10B	Percent daylighting controls category	DCTLPC5	100-	100	\$PCTCAT.	\$	1.
G10C	Percent occupancy sensors used category	OCSNPC5	102-	102	\$PCTCAT.	\$	1.
G10D	Pct. time clocks/timed switches category	TMCKPC5	104-	104	\$PCTCAT.	\$	1.
G10E	Percent manual dimmer switches category	MNLDPC5	106-	106	\$PCTCAT.	\$	1.
G10F	Pct. other light consrv. equip. category	OLCNP5	108-	108	\$PCTCAT.	\$	1.
G8H	Retro/purch any lghtng equip w/in 10 yrs	LTQRP5	110-	110	\$RETRO.	\$	1.
H1AA	Variable air volume (VAV) system	VAV5	112-	112	\$YESNO.	\$	1.
H1BA	VAV system installed or added	VAVINS5	114-	114	\$INSADD.	\$	1.
H1CA	When VAV system added	VAVDT5	116-	116	\$YRADD.	\$	1.
H1AB	Economizer cycle	ECN5	118-	118	\$YESNO.	\$	1.
H1BB	Economizer cycle installed or added	ECNINS5	120-	120	\$INSADD.	\$	1.
H1CB	When economizer cycle added	ECNDT5	122-	122	\$YRADD.	\$	1.
H1AC	Roof or ceiling insulation	RIN5	124-	124	\$YESNO.	\$	1.
H1BC	Roof/ceiling insulation installed/added	RININS5	126-	126	\$INSADD.	\$	1.
H1CC	When roof or ceiling insulation added	RINDT5	128-	128	\$YRADD.	\$	1.
H1AD	Exterior wall insulation	WIN5	130-	130	\$YESNO.	\$	1.
H1BD	Wall insulation installed or added	WININS5	132-	132	\$INSADD.	\$	1.
H1CD	When wall insulation added	WINDT5	134-	134	\$YRADD.	\$	1.
H1AE	Storm windows or doors	STW5	136-	136	\$YESNO.	\$	1.
H1BE	Storm windows/doors installed or added	STWINS5	138-	138	\$INSADD.	\$	1.
H1CE	When storm windows or doors added	STWDT5	140-	140	\$YRADD.	\$	1.
H1AF	Tinted or reflective glass	TRG5	142-	142	\$YESNO.	\$	1.
H1BF	Tinted/reflective glass installed/added	TRGINS5	144-	144	\$INSADD.	\$	1.
H1CF	When tinted or reflective glass added	TRGDT5	146-	146	\$YRADD.	\$	1.
H1AG	Shadings or awnings	AWN5	148-	148	\$YESNO.	\$	1.
H1BG	Shadings or awnings installed or added	AWNINS5	150-	150	\$INSADD.	\$	1.
H1CG	When shadings or awnings added	AWNDT5	152-	152	\$YRADD.	\$	1.
H3	Utility sponsored DSM, past 3 years	UTLD5M5	154-	154	\$UTLD5M.	\$	1.
H4	Bldg. participated DSM, past 3 years	BLDD5M5	156-	156	\$YESNO.	\$	1.
H6	Bldg. plans participate in DSM in future	PRTD5M5	158-	158	\$YESNO.	\$	1.
H7JOTH	Other type of DSM program	OTPG15	160-	161	\$OTPGX.	\$	2.
H10	Energy audit ever performed	AUDIT5	163-	163	\$YESNO.	\$	1.
H11	Sponsor of most recent energy audit	AUDSPN5	165-	165	\$AUDSPN.	\$	1.
H11OTH	Other group that sponsored energy audit	AUDOTH5	167-	168	\$AUDOTH.	\$	2.
H12	Regular preventive maintenance program	MAINT5	170-	170	\$YESNO.	\$	1.
H13BOX	Bldg. always full use/always open 24 hrs	FULLUSE5	172-	172	\$YESNO.	\$	1.
H13A	Reduction in heat off-hours	RDHTNF5	174-	174	\$RDHTCL.	\$	1.
H13B	Reduction in cooling off-hours	RDCLNF5	176-	176	\$RDHTCL.	\$	1.
H13C	Reduction in water heating off-hours	RDHWNF5	178-	178	\$RDHTCL.	\$	1.
H13D	Reduction in lighting off-hours	RDLTNF5	180-	180	\$RDHTCL.	\$	1.
H13E	Reduction in other equipment off-hours	RDOTNF5	182-	182	\$RDHTCL.	\$	1.
H13OTH	First other equipment reduced off-hours	RDOTH15	184-	185	\$RDOTH.	\$	2.
H13OTHA	Second other equipment reduced off-hours	RDOTH25	187-	188	\$RDOTH.	\$	2.
H14	Energy management and control system	EMCS5	190-	190	\$YESNO.	\$	1.
H15A	EMCS controls heating	EMCSHT5	192-	192	\$YESNO.	\$	1.
H15B	EMCS controls cooling	EMCSCL5	194-	194	\$YESNO.	\$	1.
H15C	EMCS controls water heating	EMCSHW5	196-	196	\$YESNO.	\$	1.
H15D	EMCS controls lighting	EMCSLT5	198-	198	\$YESNO.	\$	1.

H15E	EMCS controls anything else	EMCSOT5	200- 200	\$YESNO.	\$	1.
H15OTH	First other equip. controlled by EMCS	EMCSO15	202- 203	\$EMCSOT.	\$	2.
H150THA	Second other equip. controlled by EMCS	EMCSO25	205- 206	\$EMCSOT.	\$	2.
H16	Other features to help conserve energy	CNSVFT5	208- 208	\$YESNO.	\$	1.
H17	First other energy conservation feature	CNSVF15	210- 211	\$CNSVF.	\$	2.
H17A	Second other energy conservation feature	CNSVF25	213- 214	\$CNSVF.	\$	2.
H17B	Third other energy conservation feature	CNSVF35	216- 217	\$CNSVF.	\$	2.
H18	Person responsible for HVAC equipment	OPHVAC5	219- 219	\$OPHVAC.	\$	1.
H18OTH	Other person responsible HVAC equipment	OPHCOT5	221- 222	\$OPHCOT.	\$	2.
H19	Years responsible HVAC equipment	OPHCYR5	224- 224	\$OPHCYR.	\$	1.
H20	Pct. time/week devoted to HVAC equipment	OPHCTP5	226- 226	\$OPHCTP.	\$	1.
H7B	Bldg. partic. DSM pgm: bldg. env./shell	ENPG5	228- 228	\$YESNO.	\$	1.
H7F	Bldg. partic. DSM: dir elec load control	LCPG5	230- 230	\$YESNO.	\$	1.
H7H	Bldg. partic. DSM: standby elec gener.	SGPG5	232- 232	\$YESNO.	\$	1.
H7I	Bldg. partic. DSM: process heat/cool	PHPG5	234- 234	\$YESNO.	\$	1.
H7J	Bldg. participated DSM pgm: other	OTPG5	236- 236	\$YESNO.	\$	1.
STRATUM	Variance stratum	STRATUM5	238- 239		\$	2.
WEIGHT	Adjusted weight	ADJWT5	241- 252			12.

Variable Codes for File 7

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BLDGID5  'BUILDING IDENTIFIER'
@ Columns 1 7 999999 @
FEDREG5  'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5     'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP' = 12
'PUBLIC ASSEMBLY' = 13
'EDUCATION' = 14
'FOOD SERVICES' = 15
'HOSPIT/INPAT HLTH SVCS' = 16
'SKIL NURS/RESIDTL CARE' = 17
'HOTEL/MOTEL/DORM' = 18
'RESIDENTIAL' = 19
'INDOOR ENCLSD PARK GAR' = 20
'OTHER' = 21
'ALL ACTIVITIES LT 75%' = 22
'DK IF ONE ACTIV GT 75%' = 98
SQFT5    'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'
@ Columns 14 20 999999 @
9999998 = DONT KNOW
9999999 = NOT ASCERTAINED
SQFTC5    'GROSS SQUARE FOOTAGE, CATEGORY'
@ Columns 22 23 99 @
'10,000 OR LESS' = 03
'10,001 - 25,000' = 04
'25,001 - 50,000' = 05
'50,001 - 100,000' = 06
'100,001 - 200,000' = 07
'200,001 - 500,000' = 08
'500,001 - 1 MILLION' = 09
'OVER 1 MILLION' = 10
'DONT KNOW' = 98
YRCONC5  'YEAR CONSTRUCTION COMPLETED (CATEGORY)'
@ Columns 25 26 99 @
'1899 OR BEFORE' = 01
'1900-1919' = 02
'1920-1945' = 03
'1946-1959' = 04
'1960-1969' = 05
'1970-1979' = 06

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'1980-1989'           = 07
'1990-1992'           = 08
'1993-1994'           = 09
ELUSED5 'USE ELECTRICITY'
@ Columns      28      28      9 @
'YES'              = 1
'NO'               = 2
'INAPPLICABLE'     = 7
'DONT KNOW'        = 8
'NOT ASCERTAINED'  = 9
NGUSED5 'USE NATURAL GAS'
@ Columns      30      30      9 @
'YES'              = 1
'NO'               = 2
'INAPPLICABLE'     = 7
'DONT KNOW'        = 8
'NOT ASCERTAINED'  = 9
FKUSED5 'USE FUEL OIL, DIESEL, OR KEROSENE'
@ Columns      32      32      9 @
'YES'              = 1
'NO'               = 2
'INAPPLICABLE'     = 7
'DONT KNOW'        = 8
'NOT ASCERTAINED'  = 9
STUSED5 'USE DISTRICT STEAM'
@ Columns      34      34      9 @
'YES'              = 1
'NO'               = 2
'INAPPLICABLE'     = 7
'DONT KNOW'        = 8
'NOT ASCERTAINED'  = 9
HWUSED5 'USE DISTRICT HOT WATER'
@ Columns      36      36      9 @
'YES'              = 1
'NO'               = 2
'INAPPLICABLE'     = 7
'DONT KNOW'        = 8
'NOT ASCERTAINED'  = 9
CWUSED5 'USE DISTRICT CHILLED WATER'
@ Columns      38      38      9 @
'YES'              = 1
'NO'               = 2
'INAPPLICABLE'     = 7
'DONT KNOW'        = 8
'NOT ASCERTAINED'  = 9
TOTWK5 'NUM OF PEOPLE WHO WORK IN BLDG'
@ Columns      40      44      99999 @
99997 = INAPPLICABLE
99998 = DONT KNOW
99999 = NOT ASCERTAINED
LTOHRP5 'PRCNT LIT ELECTRCLY WHEN OPERATING'
@ Columns      46      48      999 @
991 = NO OPERATING HOURS
997 = INAPPLICABLE
998 = DONT KNOW
999 = NOT ASCERTAINED
LTNHRP5 'PRCNT LIT ELECTRCLY IN OFF HOURS'
@ Columns      50      52      999 @
991 = NO OFF HOURS
998 = DONT KNOW
999 = NOT ASCERTAINED
LTONHRP5 'ANY PART OF BLDG LIT IN Q. G1 OR Q. G3'
@ Columns      54      54      9 @
'YES'              = 1
'NO'               = 2
'INAPPLICABLE'     = 7
'DONT KNOW'        = 8
'NOT ASCERTAINED'  = 9
BULB5 'USE INCANDESCENT LIGHT BULBS'
@ Columns      56      56      9 @
'YES'              = 1
'NO'               = 2
'INAPPLICABLE'     = 7
'DONT KNOW'        = 8
'NOT ASCERTAINED'  = 9
FLUOR5 'USE FLRSCNT LIGHT, NOT COMPACT FLRSCNT'
@ Columns      58      58      9 @

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	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
CFLR5	'USE COMPACT FLOURESCENT BULBS'	
@	Columns 60 60 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
HID5	'USE HIGH-INTENSITY DISCHARGE LIGHTS'	
@	Columns 62 62 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
HEB5	'USE ELECTRONIC BALLAST'	
@	Columns 64 64 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
OTLT5	'USE OTHER LIGHTING'	
@	Columns 66 66 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
OTLT15	'OTHER LIGHTING TYPE'	
@	Columns 68 69 99 @	
	'VERBATIM LISTING'	= 95
	'INAPPLICABLE'	= 97
	'DONT KNOW'	= 98
	'NOT ASCERTAINED'	= 99
BULBPC5	'PERCENT LIT BY INCANDESCENT LIGHT BULBS'	
@	Columns 71 71 9 @	
	'50% OR LESS'	= 1
	'MORE THAN 50%'	= 3
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
FLRPC5	'PERCENT LIT BY FLOURESCENTS-NOT COMPACT'	
@	Columns 73 73 9 @	
	'50% OR LESS'	= 1
	'MORE THAN 50%'	= 3
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
CFLRPC5	'PERCENT LIT BY COMPACT FLRSCNT BULBS'	
@	Columns 75 75 9 @	
	'50% OR LESS'	= 1
	'MORE THAN 50%'	= 3
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
HIDPC5	'PERCENT LIT BY HI-INTENSITY DISCHRG LITE'	
@	Columns 77 77 9 @	
	'50% OR LESS'	= 1
	'MORE THAN 50%'	= 3
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
HEBPC5	'PERCENT LIT BY ELECTRONIC BALLAST'	
@	Columns 79 79 9 @	
	'50% OR LESS'	= 1
	'MORE THAN 50%'	= 3
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
OTLTPC5	'PERCENT LIT BY OTHER LIGHTING TYPE'	
@	Columns 81 81 9 @	
	'50% OR LESS'	= 1

	'MORE THAN 50%'	=	3
	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
SREF5	'INTER LIGHT USES REFLECTORS'		
@	Columns	83 83	9 @
	'YES'	=	1
	'NO'	=	2
	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
DAYCTL5	'INTER LIGHT USES DAYLIGHTING CONTROLS'		
@	Columns	85 85	9 @
	'YES'	=	1
	'NO'	=	2
	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
OCSN5	'INTER LIGHT USES OCCUPANCY SENSORS'		
@	Columns	87 87	9 @
	'YES'	=	1
	'NO'	=	2
	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
TMCK5	'INTER LIGHT USES TIME CLOCKS/SWITCHES'		
@	Columns	89 89	9 @
	'YES'	=	1
	'NO'	=	2
	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
MNLD5	'INTER LIGHT USES MANUAL DIM SWITCHES'		
@	Columns	91 91	9 @
	'YES'	=	1
	'NO'	=	2
	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
OLCN5	'INTER LIGHT USES OTH LITE CONSERV EQUIP'		
@	Columns	93 93	9 @
	'YES'	=	1
	'NO'	=	2
	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
OLCN15	'TYPE OF OTHER LITE CONSERV EQUIPMENT'		
@	Columns	95 96 99	@
	'VERBATIM LISTING'	=	95
	'INAPPLICABLE'	=	97
	'DONT KNOW'	=	98
	'NOT ASCERTAINED'	=	99
SREFPC5	'PERCENT SERVED BY REFLECTORS'		
@	Columns	98 98	9 @
	'50% OR LESS'	=	1
	'MORE THAN 50%'	=	3
	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
DCTLPC5	'PERCENT SERVED BY DAYLIGHTING CONTROLS'		
@	Columns	100 100	9 @
	'50% OR LESS'	=	1
	'MORE THAN 50%'	=	3
	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
OCSNPC5	'PERCENT SERVED BY OCCUPANCY SENSORS'		
@	Columns	102 102	9 @
	'50% OR LESS'	=	1
	'MORE THAN 50%'	=	3
	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
TMCKPC5	'PERCENT SERVED BY TIME CLOCKS/SWITCHES'		
@	Columns	104 104	9 @
	'50% OR LESS'	=	1
	'MORE THAN 50%'	=	3

	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
MNLDPC5	'PERCENT SERVED BY MANUAL DIMMER SWITCHES'		
@	Columns 106 106 9 @		
	'50% OR LESS'	=	1
	'MORE THAN 50%'	=	3
	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
OLCNPC5	'PERCENT SERVED BY OTH LITE CONSERV EQUIP'		
@	Columns 108 108 9 @		
	'50% OR LESS'	=	1
	'MORE THAN 50%'	=	3
	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
LTQRP5	'RETRO/PURCH ANY LGHTNG EQUIP W/IN 10 YRS'		
@	Columns 110 110 9 @		
	'YES, RETROFITTED'	=	1
	'YES, PURCHASED'	=	2
	'NO'	=	3
	'BOTH, RETRO+PURCHASE'	=	4
	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
VAV5	'VAV SYSTEM ON HEATING OR COOLING SYSTEM'		
@	Columns 112 112 9 @		
	'YES'	=	1
	'NO'	=	2
	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
VAVINS5	'VAV SYSTEM INSTALL/ADDED'		
@	Columns 114 114 9 @		
	'INSTALLED'	=	1
	'ADDED/BOTH'	=	2
	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
VAVDT5	'WHEN VAV SYSTEM ADDED'		
@	Columns 116 116 9 @		
	'BEFORE 1987'	=	1
	'1987 - 1992'	=	2
	'1993'	=	3
	'1994'	=	4
	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
ECN5	'ECONOMIZER CYCLE'		
@	Columns 118 118 9 @		
	'YES'	=	1
	'NO'	=	2
	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
ECNINS5	'ECONOMIZER CYCLE INSTALL/ADDED'		
@	Columns 120 120 9 @		
	'INSTALLED'	=	1
	'ADDED/BOTH'	=	2
	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
ECNDT5	'WHEN ECONOMIZER CYCLE ADDED'		
@	Columns 122 122 9 @		
	'BEFORE 1987'	=	1
	'1987 - 1992'	=	2
	'1993'	=	3
	'1994'	=	4
	'INAPPLICABLE'	=	7
	'DONT KNOW'	=	8
	'NOT ASCERTAINED'	=	9
RIN5	'ROOF/CEILING INSULATION'		
@	Columns 124 124 9 @		
	'YES'	=	1
	'NO'	=	2
	'INAPPLICABLE'	=	7

	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
RININS5	'ROOF/CEILING INSULATION INSTALL/ADDED'	
@	Columns 126 126 9 @	
	'INSTALLED'	= 1
	'ADDED/BOTH'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
RINDT5	'WHEN ROOF/CEILING INSULATION ADDED'	
@	Columns 128 128 9 @	
	'BEFORE 1987'	= 1
	'1987 - 1992'	= 2
	'1993'	= 3
	'1994'	= 4
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
WIN5	'EXTERIOR WALL INSULATION'	
@	Columns 130 130 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
WININS5	'EXTERIOR WALL INSULATION INSTALL/ADDED'	
@	Columns 132 132 9 @	
	'INSTALLED'	= 1
	'ADDED/BOTH'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
WINDT5	'WHEN EXTERIOR WALL INSULATION ADDED'	
@	Columns 134 134 9 @	
	'BEFORE 1987'	= 1
	'1987 - 1992'	= 2
	'1993'	= 3
	'1994'	= 4
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
STW5	'STORM WINDOWS'	
@	Columns 136 136 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
STWINS5	'STORM WINDOWS INSTALL/ADDED'	
@	Columns 138 138 9 @	
	'INSTALLED'	= 1
	'ADDED/BOTH'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
STWDT5	'WHEN STORM WINDOWS ADDED'	
@	Columns 140 140 9 @	
	'BEFORE 1987'	= 1
	'1987 - 1992'	= 2
	'1993'	= 3
	'1994'	= 4
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
TRG5	'TINTED/REFLECTIVE GLASS'	
@	Columns 142 142 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
TRGINS5	'TINTED/REFLECTIVE GLASS INSTALL/ADDED'	
@	Columns 144 144 9 @	
	'INSTALLED'	= 1
	'ADDED/BOTH'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8

	'NOT ASCERTAINED'	= 9
TRGDT5	'WHEN TINTED/REFLECTIVE GLASS ADDED'	
@	Columns 146 146 9 @	
	'BEFORE 1987'	= 1
	'1987 - 1992'	= 2
	'1993'	= 3
	'1994'	= 4
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
AWN5	'EXTERIOR AWNINGS'	
@	Columns 148 148 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
AWNINS5	'EXTERIOR AWNINGS INSTALL/ADDED'	
@	Columns 150 150 9 @	
	'INSTALLED'	= 1
	'ADDED/BOTH'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
AWNDT5	'WHEN EXTERIOR AWNINGS ADDED'	
@	Columns 152 152 9 @	
	'BEFORE 1987'	= 1
	'1987 - 1992'	= 2
	'1993'	= 3
	'1994'	= 4
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
UTLDSM5	'UTILITY SPONSOR PROGRAMS PAST THREE YRS'	
@	Columns 154 154 9 @	
	'YES'	= 1
	'NO'	= 2
	'NT PRCHS UTIL ELEC/GAS'	= 3
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
BLDDSM5	'BUILDING IN DSM PROGRAM PAST THREE YEARS'	
@	Columns 156 156 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
PRTDSM5	'PLAN FOR FUTURE DSM PROGRAM'	
@	Columns 158 158 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
OTPG15	'OTHER DSM PROGRAM TYPE'	
@	Columns 160 161 99 @	
	'VERBATIM LISTING'	= 95
	'INAPPLICABLE'	= 97
	'DONT KNOW'	= 98
	'NOT ASCERTAINED'	= 99
AUDIT5	'ENERGY AUDIT PERFORMED IN PAST THREE YRS'	
@	Columns 163 163 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
AUDSPN5	'ENERGY AUDIT SPONSOR OR PERFORMER'	
@	Columns 165 165 9 @	
	'LOCAL UTILITY'	= 1
	'GOVERNMENTT PROGRAM'	= 2
	'IN-HOUSE, PRVT CNTRCTR'	= 3
	'SOME OTHER GROUP'	= 4
	'FEMP'	= 5
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8

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      'NOT ASCERTAINED'          = 9
AUDOTH5 'OTHER AUDIT SPONSOR OR PERFORMER'
  @ Columns 167 168 99 @
      'VERBATIM LISTING'         = 95
      'INAPPLICABLE'            = 97
      'DONT KNOW'               = 98
      'NOT ASCERTAINED'         = 99
MAINT5 'REGULAR HEAT/COOL MAINTENANCE PROGRAM'
  @ Columns 170 170 9 @
      'YES'                     = 1
      'NO'                     = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'         = 9
FULLUSE5 'BUILDING ALWAYS IN FULL USE'
  @ Columns 172 172 9 @
      'YES'                     = 1
      'NO'                     = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'         = 9
RDHTNF5 'CHNG IN HEAT IN BUILDING OFF HOURS'
  @ Columns 174 174 9 @
      'YES'                     = 1
      'NO'                     = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'         = 9
RDCLNF5 'CHNG IN COOLING IN BUILDING OFF HOURS'
  @ Columns 176 176 9 @
      'YES'                     = 1
      'NO'                     = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'         = 9
RDHWNF5 'CHNG IN HOT WATER HEAT IN BLDG OFF HOURS'
  @ Columns 178 178 9 @
      'YES'                     = 1
      'NO'                     = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'         = 9
RDLTNF5 'CHNG IN LIGHTING IN BUILDING OFF HOURS'
  @ Columns 180 180 9 @
      'YES'                     = 1
      'NO'                     = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'         = 9
RDOTNF5 'CHNG IN OTHER EQUIP IN BUILDING OFF HRS'
  @ Columns 182 182 9 @
      'YES'                     = 1
      'NO'                     = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'         = 9
RDOTH15 'OTHER EQUIPMENT CHANGE: 1ST MENTION'
  @ Columns 184 185 99 @
      'COMPUTERS TURNED OFF'     = 01
      'VERBATIM LISTING'         = 95
      'INAPPLICABLE'            = 97
      'DONT KNOW'               = 98
      'NOT ASCERTAINED'         = 99
RDOTH25 'OTHER EQUIPMENT CHANGE: 2ND MENTION'
  @ Columns 187 188 99 @
      'INAPPLICABLE'            = 97
EMCS5 'BUILDING HAS COMPUTERIZED EMCS'
  @ Columns 190 190 9 @
      'YES'                     = 1
      'NO'                     = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'         = 9
EMCSHT5 'EMCS ROUTINELY CONTROLS HEAT'
  @ Columns 192 192 9 @
      'YES'                     = 1
      'NO'                     = 2

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	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
EMCSCL5	'EMCS ROUTINELY CONTROLS COOLING'	
@	Columns 194 194 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
EMCSHW5	'EMCS ROUTINELY CONTROLS HOT WATER HEAT'	
@	Columns 196 196 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
EMCSLT5	'EMCS ROUTINELY CONTROLS LIGHTING'	
@	Columns 198 198 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
EMCSOT5	'EMCS ROUTINELY CONTROLS OTHER EQUIPMENT'	
@	Columns 200 200 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
EMCSO15	'OTHER EQUIPMENT CONTROLLED BY ECMS, #1'	
@	Columns 202 203 99 @	
	'VERBATIM LISTING'	= 95
	'INAPPLICABLE'	= 97
	'DONT KNOW'	= 98
	'NOT ASCERTAINED'	= 99
EMCSO25	'OTHER EQUIPMENT CONTROLLED BY ECMS, #2'	
@	Columns 205 206 99 @	
	'INAPPLICABLE'	= 97
CNSVFT5	'HAVE OTHER FEATURES TO CONSERVE ENERGY'	
@	Columns 208 208 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
CNSVF15	'OTHER ENERGY-CONSERVATION FEATURES, #1'	
@	Columns 210 211 99 @	
	'VERBATIM LISTING'	= 95
	'INAPPLICABLE'	= 97
	'DONT KNOW'	= 98
	'NOT ASCERTAINED'	= 99
CNSVF25	'OTHER ENERGY-CONSERVATION FEATURES, #2'	
@	Columns 213 214 99 @	
	'VERBATIM LISTING'	= 95
	'INAPPLICABLE'	= 97
	'DONT KNOW'	= 98
	'NOT ASCERTAINED'	= 99
CNSVF35	'OTHER ENERGY-CONSERVATION FEATURES, #3'	
@	Columns 216 217 99 @	
	'VERBATIM LISTING'	= 95
	'INAPPLICABLE'	= 97
	'DONT KNOW'	= 98
	'NOT ASCERTAINED'	= 99
OPHVAC5	'PERSON RESPONSIBLE FOR HEAT/COOL EQUIP'	
@	Columns 219 219 9 @	
	'BUILDING OWNER/MNGR'	= 1
	'CUSTODIAN/MAINT ENGR'	= 2
	'DEDICATED ENRGY MNGR'	= 3
	'CLEANG/MAINT CONTRCTR'	= 4
	'SOMEONE ELSE'	= 5
	'NO ONE, CALL RPAIR SRV'	= 6
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
OPHCOT5	'DESCRIPTION OF RESPONSIBLE PERSON'	

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@ Columns 221 222 99 @
'VERBATIM LISTING' = 95
'INAPPLICABLE' = 97
'DONT KNOW' = 98
'NOT ASCERTAINED' = 99
OPHCYR5 'HOW LONG PERSON HAS BEEN RESPONSIBLE'
@ Columns 224 224 9 @
'LESS THAN 1 YEAR' = 1
'1 TO 3 YEARS' = 2
'4 TO 6 YEARS' = 3
'OVER 6 YEARS' = 4
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OPHCTP5 'TIME DEVOTED TO MANAGING HEAT/COOL EQUIP'
@ Columns 226 226 9 @
'50% OR LESS' = 1
'MORE THAN 50%' = 4
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
ENPG5 'DSM PROGRAM: ENVELOPE OR SHELL'
@ Columns 228 228 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
LCPG5 'DSM PROGRAM: DIRECT ELEC LOAD CONTROL'
@ Columns 230 230 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SGPG5 'DSM PROGRAM: STANDBY ELEC GENERATION'
@ Columns 232 232 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PHPG5 'DSM PROGRAM: PROCESS HEATING OR COOLING'
@ Columns 234 234 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTPG5 'DSM PROGRAM: OTHER PROGRAM'
@ Columns 236 236 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
STRATUM5 'STRATUM NUMBER'
@ Columns 238 239 99 @
'DOD: WEST VA, VA' = 01
'DOD: DE, PA' = 02
'DOD: MD, DIST. OF COL.' = 03
'NON-DOD: WEST VA, VA' = 04
'NON-DOD: DE, PA' = 05
'NON-DOD: MD, DIST. OF COL.' = 06
'DOD: OK, TX' = 07
'DOD: NM' = 08
'DOD: LA, AR' = 09
'NON-DOD: OK, TX' = 10
'NON-DOD: NM' = 11
'NON-DOD: LA, AR' = 12
'DOD: HI, CA' = 13
'DOD: AZ, NV' = 14
'NON-DOD: HI, CA' = 15
'NON-DOD: AZ, NV' = 16
ADJWT5 'BUILDING WEIGHT'
@ Columns 241 252 99999999999 @

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Layout for File 8: Imputation Flags for -- Energy Sources, End Uses
(FB94F08T.TXT & FB94F08D.DBF)

Variable Description		Variable Name Position			
CASEID	Building identifier	BLDGID5	1-	7	\$ 7.
REGION	Building federal region	FEDREG5	9-	9	\$FEDREG. \$ 1.
	Principal building activity	PBA5	11-	12	\$ACTIVITY. \$ 2.
A7	Square footage	SQFT5	14-	20	MISS9CH. 7.
A8	Square footage category	SQFTC5	22-	23	\$SQFTC. \$ 2.
A14	Year of construction category	YRCONC5	25-	26	\$YRCONC. \$ 2.
C1A	Electricity used in 1992	ELUSED5	28-	28	\$YESNO. \$ 1.
C1B	Natural gas used in 1992	NGUSED5	30-	30	\$YESNO. \$ 1.
C1C	Fuel oil used in 1992	FKUSED5	32-	32	\$YESNO. \$ 1.
C1E	District steam used in 1992	STUSED5	34-	34	\$YESNO. \$ 1.
C1F	District hot water in 1992	HWUSED5	36-	36	\$YESNO. \$ 1.
C1G	District chilled water in 1992	CWUSED5	38-	38	\$YESNO. \$ 1.
E18	Number of workers (all shifts)	TOTWK5	40-	44	MISS5CH. 5.
STRATUM	Variance stratum	STRATUM5	46-	47	\$ 2.
WEIGHT	Adjusted weight	ADJWT5	49-	60	12.
	Imputed electricity used	ZELUSED5	62-	62	\$ZVAR. \$ 1.
	Imputed natgas used	ZNGUSED5	64-	64	\$ZVAR. \$ 1.
	Imputed fuel oil used	ZFKUSED5	66-	66	\$ZVAR. \$ 1.
	Imputed propane used	ZPRUSED5	68-	68	\$ZVAR. \$ 1.
	Imputed steam used	ZSTUSED5	70-	70	\$ZVAR. \$ 1.
	Imputed hot water used	ZHWUSED5	72-	72	\$ZVAR. \$ 1.
	Imputed chilled water used	ZCWUSED5	74-	74	\$ZVAR. \$ 1.
	Imputed wood used	ZWOUSED5	76-	76	\$ZVAR. \$ 1.
	Imputed coal used	ZCOUSED5	78-	78	\$ZVAR. \$ 1.
	Imputed PVCs used in 1992	ZPVUSED5	80-	80	\$ZVAR. \$ 1.
	Imputed active solar used	ZSOUSED5	82-	82	\$ZVAR. \$ 1.
	Imputed total energy sources used	ZNSRC5	84-	84	\$ZVAR. \$ 1.
	Imputed electricity for main heating	ZELHT15	86-	86	\$ZVAR. \$ 1.
	Imputed natural gas for main heating	ZNGHT15	88-	88	\$ZVAR. \$ 1.
	Imputed fuel oil for main heating	ZFKHT15	90-	90	\$ZVAR. \$ 1.
	Imputed propane for main heating	ZPRHT15	92-	92	\$ZVAR. \$ 1.
	Imputed steam for main heating	ZSTHT15	94-	94	\$ZVAR. \$ 1.
	Imputed hot water for main heating	ZHWHT15	96-	96	\$ZVAR. \$ 1.
	Imputed wood for main heating	ZWOHT15	98-	98	\$ZVAR. \$ 1.
	Imputed coal for main heating	ZCOHT15	100-	100	\$ZVAR. \$ 1.
	Imputed PVCs used for main heat	ZPVHT15	102-	102	\$ZVAR. \$ 1.
	Imputed solar for main heating	ZSOHT15	104-	104	\$ZVAR. \$ 1.
	Imputed main heating	ZHT15	106-	106	\$ZVAR. \$ 1.
	Imputed electricity for 2ndary heating	ZELHT25	108-	108	\$ZVAR. \$ 1.
	Imputed natural gas for 2ndary heating	ZNGHT25	110-	110	\$ZVAR. \$ 1.
	Imputed fuel oil for 2ndary heating	ZFKHT25	112-	112	\$ZVAR. \$ 1.
	Imputed propane for 2ndary heating	ZPRHT25	114-	114	\$ZVAR. \$ 1.
	Imputed steam for 2ndary heating	ZSTHT25	116-	116	\$ZVAR. \$ 1.
	Imputed hot water 2ndary heating	ZHWHT25	118-	118	\$ZVAR. \$ 1.
	Imputed wood for 2ndary heating	ZWOHT25	120-	120	\$ZVAR. \$ 1.
	Imputed coal for 2ndary heating	ZCOHT25	122-	122	\$ZVAR. \$ 1.
	Imputed PVCs used for 2nd heat	ZPVHT25	124-	124	\$ZVAR. \$ 1.
	Imputed solar for 2ndary heating	ZSOHT25	126-	126	\$ZVAR. \$ 1.
	Imputed secondary heating	ZHT25	128-	128	\$ZVAR. \$ 1.
	Imputed electricity for cooling	ZELCOOL5	130-	130	\$ZVAR. \$ 1.
	Imputed natural gas for cooling	ZNGCOOL5	132-	132	\$ZVAR. \$ 1.
	Imputed fuel oil for cooling	ZFKCOOL5	134-	134	\$ZVAR. \$ 1.
	Imputed propane for cooling	ZPRCOOL5	136-	136	\$ZVAR. \$ 1.
	Imputed steam for cooling	ZSTCOOL5	138-	138	\$ZVAR. \$ 1.
	Imputed hot water for cooling	ZHWCOOL5	140-	140	\$ZVAR. \$ 1.
	Imputed chilled water for cooling	ZCWCOOL5	142-	142	\$ZVAR. \$ 1.
	Imputed PVCs used for cooling	ZPVCOOL5	144-	144	\$ZVAR. \$ 1.
	Imputed active solar cooling	ZSOCOOL5	146-	146	\$ZVAR. \$ 1.
	Imputed cooling	ZCOOL5	148-	148	\$ZVAR. \$ 1.
	Imputed electricity for water heating	ZELWATR5	150-	150	\$ZVAR. \$ 1.
	Imputed natural gas for water heating	ZNGWATR5	152-	152	\$ZVAR. \$ 1.
	Imputed fuel oil for water heating	ZFKWATR5	154-	154	\$ZVAR. \$ 1.
	Imputed propane for water heating	ZPRWATR5	156-	156	\$ZVAR. \$ 1.
	Imputed steam for water heating	ZSTWATR5	158-	158	\$ZVAR. \$ 1.
	Imputed hot water for heating water	ZHWWATR5	160-	160	\$ZVAR. \$ 1.
	Imputed wood for water heating	ZZOWATR5	162-	162	\$ZVAR. \$ 1.
	Imputed coal for water heating	ZCOWATR5	164-	164	\$ZVAR. \$ 1.
	Imputed PVCs used for water heatin	ZPVWATR5	166-	166	\$ZVAR. \$ 1.
	Imputed solar for water heating	ZSOWATR5	168-	168	\$ZVAR. \$ 1.
	Imputed other energy for wtr heat, #1	ZO1WATR5	170-	170	\$ZVAR. \$ 1.
	Imputed other energy for wtr heat, #2	ZO2WATR5	172-	172	\$ZVAR. \$ 1.

Imputed other energy for wtr heat, #3	ZO3WATR5	174-	174	\$ZVAR.	\$	1.
Imputed water heating	ZWATR5	176-	176	\$ZVAR.	\$	1.
Imputed electricity for cooking	ZELCOOK5	178-	178	\$ZVAR.	\$	1.
Imputed natural gas for cooking	ZNGCOOK5	180-	180	\$ZVAR.	\$	1.
Imputed fuel oil for cooking	ZFKCOOK5	182-	182	\$ZVAR.	\$	1.
Imputed propane for cooking	ZPRCOOK5	184-	184	\$ZVAR.	\$	1.
Imputed steam for cooking	ZSTCOOK5	186-	186	\$ZVAR.	\$	1.
Imputed hot water for cooking	ZHWCOOK5	188-	188	\$ZVAR.	\$	1.
Imputed wood for cooking	ZWOCOOK5	190-	190	\$ZVAR.	\$	1.
Imputed coal for cooking	ZCOCOOK5	192-	192	\$ZVAR.	\$	1.
Imputed PVCs for commercial cooking	ZPVCOOK5	194-	194	\$ZVAR.	\$	1.
Imputed solar for cooking	ZSOCOOK5	196-	196	\$ZVAR.	\$	1.
Imputed commercial cooking	ZCOOK5	198-	198	\$ZVAR.	\$	1.
Imputed electricity for manufacturing	ZELMANU5	200-	200	\$ZVAR.	\$	1.
Imputed natural gas for manufacturing	ZNGMANU5	202-	202	\$ZVAR.	\$	1.
Imputed fuel oil for manufacturing	ZFKMANU5	204-	204	\$ZVAR.	\$	1.
Imputed propane for manufacturing	ZPRMANU5	206-	206	\$ZVAR.	\$	1.
Imputed steam for manufacturing	ZSTMANU5	208-	208	\$ZVAR.	\$	1.
Imputed hot water for manufacturing	ZHWMANU5	210-	210	\$ZVAR.	\$	1.
Imputed wood for manufacturing	ZWOMANU5	212-	212	\$ZVAR.	\$	1.
Imputed coal for manufacturing	ZCOMANU5	214-	214	\$ZVAR.	\$	1.
Imputed PVCs used for manufacturing	ZPVMANU5	216-	216	\$ZVAR.	\$	1.
Imputed solar for manufacturing	ZSOMANU5	218-	218	\$ZVAR.	\$	1.
Imputed manufacturing	ZMANU5	220-	220	\$ZVAR.	\$	1.
Imputed natural gas to generate electric	ZNGGENR5	222-	222	\$ZVAR.	\$	1.
Imputed fuel oil to generate electricity	ZFKGENR5	224-	224	\$ZVAR.	\$	1.
Imputed propane to generate electricity	ZPRGENR5	226-	226	\$ZVAR.	\$	1.
Imputed wood to generate electricity	ZWOGENR5	228-	228	\$ZVAR.	\$	1.
Imputed coal to generate electricity	ZCOGENR5	230-	230	\$ZVAR.	\$	1.
Imputed PVCs to generate electricity	ZPVGENR5	232-	232	\$ZVAR.	\$	1.
Imputed solar to generate electric	ZSOGENR5	234-	234	\$ZVAR.	\$	1.
Imputed electricity generation	ZGENR5	236-	236	\$ZVAR.	\$	1.
Imputed each reportd fuel has end use	ZEERPT5	238-	238	\$ZVAR.	\$	1.
Imputed how energy src w/o end use used	ZOTEE15	240-	240	\$ZVAR.	\$	1.
Imputed energy source for other end use	ZOTSRC15	242-	242	\$ZVAR.	\$	1.
Imputed percent heated	ZHEATP5	244-	244	\$ZVAR.	\$	1.
Imputed percent cooled	ZCOOLP5	246-	246	\$ZVAR.	\$	1.

Variable Codes for File 8

```

BLDGID5  'BUILDING IDENTIFIER'
@ Columns      1      7  9999999 @
FEDREG5  'BUILDING FEDERAL REGION'
@ Columns      9      9      9 @
'FEDERAL REGION 3'      = 3
'FEDERAL REGION 6'      = 6
'FEDERAL REGION 9'      = 9
PBA5     'PRINCIPAL ACTIVITY'
@ Columns     11     12     99 @
'VACANT'              = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY'          = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES'          = 06
'PUBLIC ORDER/SAFETY'  = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP'    = 12
'PUBLIC ASSEMBLY'      = 13
'EDUCATION'           = 14
'FOOD SERVICES'       = 15
'HOSPIT/INPAT HLTH SVCS' = 16
'SKIL NURS/RESIDTL CARE' = 17
'HOTEL/MOTEL/DORM'     = 18
'RESIDENTIAL'          = 19
'INDOOR ENCLSD PARK GAR' = 20
'OTHER'               = 21
'ALL ACTIVITIES LT 75%' = 22
'DK IF ONE ACTIV GT 75%' = 98
SQFT5    'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'
@ Columns     14     20  9999999 @
9999998 = DONT KNOW
9999999 = NOT ASCERTAINED

```

SQFTC5 'GROSS SQUARE FOOTAGE, CATEGORY'

@	Columns	22	23	99	@
	'10,000 OR LESS'				= 03
	'10,001 - 25,000'				= 04
	'25,001 - 50,000'				= 05
	'50,001 - 100,000'				= 06
	'100,001 - 200,000'				= 07
	'200,001 - 500,000'				= 08
	'500,001 - 1 MILLION'				= 09
	'OVER 1 MILLION'				= 10
	'DONT KNOW'				= 98

YRCONC5 'YEAR CONSTRUCTION COMPLETED (CATEGORY)'

@	Columns	25	26	99	@
	'1899 OR BEFORE'				= 01
	'1900-1919'				= 02
	'1920-1945'				= 03
	'1946-1959'				= 04
	'1960-1969'				= 05
	'1970-1979'				= 06
	'1980-1989'				= 07
	'1990-1992'				= 08
	'1993-1994'				= 09

ELUSED5 'USE ELECTRICITY'

@	Columns	28	28	9	@
	'YES'				= 1
	'NO'				= 2
	'INAPPLICABLE'				= 7
	'DONT KNOW'				= 8
	'NOT ASCERTAINED'				= 9

NGUSED5 'USE NATURAL GAS'

@	Columns	30	30	9	@
	'YES'				= 1
	'NO'				= 2
	'INAPPLICABLE'				= 7
	'DONT KNOW'				= 8
	'NOT ASCERTAINED'				= 9

FKUSED5 'USE FUEL OIL, DIESEL, OR KEROSENE'

@	Columns	32	32	9	@
	'YES'				= 1
	'NO'				= 2
	'INAPPLICABLE'				= 7
	'DONT KNOW'				= 8
	'NOT ASCERTAINED'				= 9

STUSED5 'USE DISTRICT STEAM'

@	Columns	34	34	9	@
	'YES'				= 1
	'NO'				= 2
	'INAPPLICABLE'				= 7
	'DONT KNOW'				= 8
	'NOT ASCERTAINED'				= 9

HWUSED5 'USE DISTRICT HOT WATER'

@	Columns	36	36	9	@
	'YES'				= 1
	'NO'				= 2
	'INAPPLICABLE'				= 7
	'DONT KNOW'				= 8
	'NOT ASCERTAINED'				= 9

CWUSED5 'USE DISTRICT CHILLED WATER'

@	Columns	38	38	9	@
	'YES'				= 1
	'NO'				= 2
	'INAPPLICABLE'				= 7
	'DONT KNOW'				= 8
	'NOT ASCERTAINED'				= 9

TOTWK5 'NUM OF PEOPLE WHO WORK IN BLDG'

@	Columns	40	44	99999	@
	99997				= INAPPLICABLE
	99998				= DONT KNOW
	99999				= NOT ASCERTAINED

STRATUM5 'STRATUM NUMBER'

@	Columns	46	47	99	@
	'DOD: WEST VA, VA'				= 01
	'DOD: DE, PA'				= 02
	'DOD: MD, DIST. OF COL.'				= 03
	'NON-DOD: WEST VA, VA'				= 04
	'NON-DOD: DE, PA'				= 05
	'NON-DOD: MD, DIST. OF COL.'				= 06

'DOD: OK, TX'	= 07
'DOD: NM'	= 08
'DOD: LA, AR'	= 09
'NON-DOD: OK, TX'	= 10
'NON-DOD: NM'	= 11
'NON-DOD: LA, AR'	= 12
'DOD: HI, CA'	= 13
'DOD: AZ, NV'	= 14
'NON-DOD: HI, CA'	= 15
'NON-DOD: AZ, NV'	= 16

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ADJWT5  'BUILDING WEIGHT'
@ Columns 49 60 999999999999 @
ZELUSED5 'Imputed electricity used'
@ Columns 62 62 9 @
ZNGUSED5 'Imputed natgas used'
@ Columns 64 64 9 @
ZFKUSED5 'Imputed fuel oil used'
@ Columns 66 66 9 @
ZPRUSED5 'Imputed propane used'
@ Columns 68 68 9 @
ZSTUSED5 'Imputed steam used'
@ Columns 70 70 9 @
ZHWUSED5 'Imputed hot water used'
@ Columns 72 72 9 @
ZCWUSED5 'Imputed chilled water used'
@ Columns 74 74 9 @
ZWOUSED5 'Imputed wood used'
@ Columns 76 76 9 @
ZCOUSED5 'Imputed coal used'
@ Columns 78 78 9 @
ZPVUSED5 'Imputed PVCs used in 1992'
@ Columns 80 80 9 @
ZSOUSED5 'Imputed active solar used'
@ Columns 82 82 9 @
ZNSRC5  'Imputed total energy sources used'
@ Columns 84 84 9 @
ZELHT15 'Imputed electricity for main heating'
@ Columns 86 86 9 @
ZNGHT15 'Imputed natural gas for main heating'
@ Columns 88 88 9 @
ZFKHT15 'Imputed fuel oil for main heating'
@ Columns 90 90 9 @
ZPRHT15 'Imputed propane for main heating'
@ Columns 92 92 9 @
ZSTHT15 'Imputed steam for main heating'
@ Columns 94 94 9 @
ZHWHT15 'Imputed hot water for main heating'
@ Columns 96 96 9 @
ZWOHT15 'Imputed wood for main heating'
@ Columns 98 98 9 @
ZCOHT15 'Imputed coal for main heating'
@ Columns 100 100 9 @
ZPVHT15 'Imputed PVCs used for main heat'
@ Columns 102 102 9 @
ZSOHT15 'Imputed solar for main heating'
@ Columns 104 104 9 @
ZHT15   'Imputed main heating'
@ Columns 106 106 9 @
ZELHT25 'Imputed electricity for 2ndary heating'
@ Columns 108 108 9 @
ZNGHT25 'Imputed natural gas for 2ndary heating'
@ Columns 110 110 9 @
ZFKHT25 'Imputed fuel oil for 2ndary heating'
@ Columns 112 112 9 @
ZPRHT25 'Imputed propane for 2ndary heating'
@ Columns 114 114 9 @
ZSTHT25 'Imputed steam for 2ndary heating'
@ Columns 116 116 9 @
ZHWHT25 'Imputed hot water 2ndary heating'
@ Columns 118 118 9 @
ZWOHT25 'Imputed wood for 2ndary heating'
@ Columns 120 120 9 @
ZCOHT25 'Imputed coal for 2ndary heating'
@ Columns 122 122 9 @
ZPVHT25 'Imputed PVCs used for 2nd heat'
@ Columns 124 124 9 @
ZSOHT25 'Imputed solar for 2ndary heating'

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@ Columns 126 126 9 @
ZHT25 'Imputed secondary heating'
@ Columns 128 128 9 @
ZELCOOL5 'Imputed electricity for cooling'
@ Columns 130 130 9 @
ZNGCOOL5 'Imputed natural gas for cooling'
@ Columns 132 132 9 @
ZFKCOOL5 'Imputed fuel oil for cooling'
@ Columns 134 134 9 @
ZPRCOOL5 'Imputed propane for cooling'
@ Columns 136 136 9 @
ZSTCOOL5 'Imputed steam for cooling'
@ Columns 138 138 9 @
ZHWCOOL5 'Imputed hot water for cooling'
@ Columns 140 140 9 @
ZCWCOOL5 'Imputed chilled water for cooling'
@ Columns 142 142 9 @
ZPVCOOL5 'Imputed PVCs used for cooling'
@ Columns 144 144 9 @
ZSOCOOL5 'Imputed active solar cooling'
@ Columns 146 146 9 @
ZCOOL5 'Imputed cooling'
@ Columns 148 148 9 @
ZELWATR5 'Imputed electricity for water heating'
@ Columns 150 150 9 @
ZNGWATR5 'Imputed natural gas for water heating'
@ Columns 152 152 9 @
ZFKWATR5 'Imputed fuel oil for water heating'
@ Columns 154 154 9 @
ZPRWATR5 'Imputed propane for water heating'
@ Columns 156 156 9 @
ZSTWATR5 'Imputed steam for water heating'
@ Columns 158 158 9 @
ZHWWATR5 'Imputed hot water for heating water'
@ Columns 160 160 9 @
ZWOWATR5 'Imputed wood for water heating'
@ Columns 162 162 9 @
ZCOWATR5 'Imputed coal for water heating'
@ Columns 164 164 9 @
ZPVWATR5 'Imputed PVCs used for water heatin'
@ Columns 166 166 9 @
ZSOWATR5 'Imputed solar for water heating'
@ Columns 168 168 9 @
ZO1WATR5 'Imputed other energy for wtr heat, #1'
@ Columns 170 170 9 @
ZO2WATR5 'Imputed other energy for wtr heat, #2'
@ Columns 172 172 9 @
ZO3WATR5 'Imputed other energy for wtr heat, #3'
@ Columns 174 174 9 @
ZWATR5 'Imputed water heating'
@ Columns 176 176 9 @
ZELCOOK5 'Imputed electricity for cooking'
@ Columns 178 178 9 @
ZNGCOOK5 'Imputed natural gas for cooking'
@ Columns 180 180 9 @
ZFKCOOK5 'Imputed fuel oil for cooking'
@ Columns 182 182 9 @
ZPRCOOK5 'Imputed propane for cooking'
@ Columns 184 184 9 @
ZSTCOOK5 'Imputed steam for cooking'
@ Columns 186 186 9 @
ZHWCOOK5 'Imputed hot water for cooking'
@ Columns 188 188 9 @
ZWOCOOK5 'Imputed wood for cooking'
@ Columns 190 190 9 @
ZCOCOOK5 'Imputed coal for cooking'
@ Columns 192 192 9 @
ZPVCOOK5 'Imputed PVCs for commercial cooking'
@ Columns 194 194 9 @
ZSOCOOK5 'Imputed solar for cooking'
@ Columns 196 196 9 @
ZCOOK5 'Imputed commercial cooking'
@ Columns 198 198 9 @
ZELMANU5 'Imputed electricity for manufacturing'
@ Columns 200 200 9 @
ZNGMANU5 'Imputed natural gas for manufacturing'
@ Columns 202 202 9 @

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ZFKMANU5 'Imputed fuel oil for manufacturing'
@ Columns 204 204 9 @
ZPRMANU5 'Imputed propane for manufacturing'
@ Columns 206 206 9 @
ZSTMANU5 'Imputed steam for manufacturing'
@ Columns 208 208 9 @
ZHWMANU5 'Imputed hot water for manufacturing'
@ Columns 210 210 9 @
ZWOMANU5 'Imputed wood for manufacturing'
@ Columns 212 212 9 @
ZCOMANU5 'Imputed coal for manufacturing'
@ Columns 214 214 9 @
ZPVMANU5 'Imputed PVCs used for manufacturing'
@ Columns 216 216 9 @
ZSOMANU5 'Imputed solar for manufacturing'
@ Columns 218 218 9 @
ZMANU5 'Imputed manufacturing'
@ Columns 220 220 9 @
ZNGGENR5 'Imputed natural gas to generate electric'
@ Columns 222 222 9 @
ZFKGENR5 'Imputed fuel oil to generate electricity'
@ Columns 224 224 9 @
ZPRGENR5 'Imputed propane to generate electricity'
@ Columns 226 226 9 @
ZWOGENR5 'Imputed wood to generate electricity'
@ Columns 228 228 9 @
ZCOGENR5 'Imputed coal to generate electricity'
@ Columns 230 230 9 @
ZPVGENR5 'Imputed PVCs to generate electricity'
@ Columns 232 232 9 @
ZSOGENR5 'Imputed solar to generate electric'
@ Columns 234 234 9 @
ZGENR5 'Imputed electricity generation'
@ Columns 236 236 9 @
ZEERPT5 'Imputed each reported fuel has end use'
@ Columns 238 238 9 @
ZOTEE15 'Imputed how energy src w/o end use used'
@ Columns 240 240 9 @
ZOTSRC15 'Imputed energy source for other end use'
@ Columns 242 242 9 @
ZHEATP5 'Imputed percent heated'
@ Columns 244 244 9 @
ZCOOLP5 'Imputed percent cooled'
@ Columns 246 246 9 @

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Layout for File 9: Imputation Flags for -- Heating Equipment, Heating Distribution Equipment, Cooling Equipment, Cooling Distribution Equipment, Sponsor and Type of Assistance Received for Central Chiller Retrofit (FB94F09T.TXT & FB94F09D.DBF)

	Variable Description	Variable Name	Position	
CASEID	Building identifier	BLDGID5	1- 7	\$ 7.
REGION	Building federal region	FEDREG5	9- 9	\$ 1.
	Principal building activity	PBA5	11- 12	\$ 2.
A7	Square footage	SQFT5	14- 20	MISS9CH. 7.
A8	Square footage category	SQFTC5	22- 23	\$ 2.
A14	Year of construction category	YRCONC5	25- 26	\$ 2.
C1A	Electricity used in 1992	ELUSED5	28- 28	\$ 1.
C1B	Natural gas used in 1992	NGUSED5	30- 30	\$ 1.
C1C	Fuel oil used in 1992	FKUSED5	32- 32	\$ 1.
C1E	District steam used in 1992	STUSED5	34- 34	\$ 1.
C1F	District hot water in 1992	HWUSED5	36- 36	\$ 1.
C1G	District chilled water in 1992	CWUSED5	38- 38	\$ 1.
E18	Number of workers (all shifts)	TOTWK5	40- 44	MISS5CH. 5.
STRATUM	Variance stratum	STRATUM5	46- 47	\$ 2.
WEIGHT	Adjusted weight	ADJWT5	49- 60	12.
	Imputed furnace	ZFURNAC5	62- 62	\$ 1.
	Imputed heat pump for heating	ZHTPMPH5	64- 64	\$ 1.
	Imputed self-contained heating units	ZSLFCON5	66- 66	\$ 1.
	Imputed steam or hot water piped in	ZSTHW5	68- 68	\$ 1.
	Imputed boiler	ZBOILER5	70- 70	\$ 1.
	Imputed packaged heating units	ZPKGHT5	72- 72	\$ 1.
	Imputed other heating equipment	ZOTHTEQ5	74- 74	\$ 1.
	Imputed first other heating equipment	ZOTHTQ15	76- 76	\$ 1.

Imputed heated, equipment unknown	ZDKHTEQ5	78-	78	\$ZVAR.	\$	1.
Imputed pct. heated by furnace	ZFURNP5	80-	80	\$ZVAR.	\$	1.
Imputed pct. heated by the heat pump	ZHTPHP5	82-	82	\$ZVAR.	\$	1.
Imputed pct. heated by space heaters	ZSLFCNP5	84-	84	\$ZVAR.	\$	1.
Imputed pct. heated by steam/hot water	ZSTHWP5	86-	86	\$ZVAR.	\$	1.
Imputed pct. heated by boilers	ZBOILP5	88-	88	\$ZVAR.	\$	1.
Imputed pct. heated packaged heat units	ZPKGHP5	90-	90	\$ZVAR.	\$	1.
Imputed pct. heated by other equipment	ZOTHTP5	92-	92	\$ZVAR.	\$	1.
Imputed total for d5	ZTOTHTP5	94-	94	\$ZVAR.	\$	1.
Imputed furnace heat dist. by vents	ZFURNDC5	96-	96	\$ZVAR.	\$	1.
Imputed furnace heat dist. by fan-coil	ZFURNFC5	98-	98	\$ZVAR.	\$	1.
Imputed furnace heat dist. by other	ZFURNOT5	100-	100	\$ZVAR.	\$	1.
Imputed heat pump: dont know	ZFURNDK5	102-	102	\$ZVAR.	\$	1.
Imputed heat pump heat dist. by vents	ZHTPHDC5	104-	104	\$ZVAR.	\$	1.
Imputed heat pump heat dist. by other	ZHTPHOT5	106-	106	\$ZVAR.	\$	1.
Imputed furnace heat: dont know	ZHTPHDK5	108-	108	\$ZVAR.	\$	1.
Imputed steam dist. by radiators/bboards	ZSTHWBR5	110-	110	\$ZVAR.	\$	1.
Imputed steam distributed by vents	ZSTHWDC5	112-	112	\$ZVAR.	\$	1.
Imputed steam distributed by fan-coil	ZSTHWFC5	114-	114	\$ZVAR.	\$	1.
Imputed steam distributed by other	ZSTHWOT5	116-	116	\$ZVAR.	\$	1.
Imputed steam/hot water: dont know	ZSTHWDK5	118-	118	\$ZVAR.	\$	1.
Imputed boiler dist. radiators/bboards	ZBOILBR5	120-	120	\$ZVAR.	\$	1.
Imputed boiler heat distributed by vents	ZBOILDC5	122-	122	\$ZVAR.	\$	1.
Imputed boiler heat dist. by fan-coil	ZBOILFC5	124-	124	\$ZVAR.	\$	1.
Imputed boiler heat distributed by other	ZBOILO5	126-	126	\$ZVAR.	\$	1.
Imputed boiler: dont know	ZBOILDK5	128-	128	\$ZVAR.	\$	1.
Imputed packaged heat dist. by vents	ZPKGHD5	130-	130	\$ZVAR.	\$	1.
Imputed packaged heat dist. by other	ZPKGHOT5	132-	132	\$ZVAR.	\$	1.
Imputed packaged heat unit: dont know	ZPKGHD5	134-	134	\$ZVAR.	\$	1.
Imputed other heat dist. radtrs/bboards	ZOTHTBR5	136-	136	\$ZVAR.	\$	1.
Imputed other heat distributed by vents	ZOTHTDC5	138-	138	\$ZVAR.	\$	1.
Imputed other heat dist. by fan-coil	ZOTHTFC5	140-	140	\$ZVAR.	\$	1.
Imputed other heat distributed by other	ZOTHTOT5	142-	142	\$ZVAR.	\$	1.
Imputed residential type central AC used	ZRCAC5	144-	144	\$ZVAR.	\$	1.
Imputed heat pump for cooling	ZHTPMPC5	146-	146	\$ZVAR.	\$	1.
Imputed individual air conditioners	ZACWNWL5	148-	148	\$ZVAR.	\$	1.
Imputed district chilled water piped in	ZCHWT5	150-	150	\$ZVAR.	\$	1.
Imputed central chiller	ZCHILLR5	152-	152	\$ZVAR.	\$	1.
Imputed packaged cooling units	ZPKGCL5	154-	154	\$ZVAR.	\$	1.
Imputed evaporative coolers	ZEVPCL5	156-	156	\$ZVAR.	\$	1.
Imputed other cooling equipment	ZOTCLEQ5	158-	158	\$ZVAR.	\$	1.
Imputed first other cooling equipment	ZOTCLQ15	160-	160	\$ZVAR.	\$	1.
Imputed cooled, equipment unknown	ZDKCLEQ5	162-	162	\$ZVAR.	\$	1.
Imputed pct. cooled by resid. central AC	ZRCACP5	164-	164	\$ZVAR.	\$	1.
Imputed pct. cooled by the heat pump	ZHTPCP5	166-	166	\$ZVAR.	\$	1.
Imputed pct. cooled by individual AC	ZACWNWP5	168-	168	\$ZVAR.	\$	1.
Imputed pct. cooled dist. chilled water	ZCHWTP5	170-	170	\$ZVAR.	\$	1.
Imputed pct. cooled by central chillers	ZCHILP5	172-	172	\$ZVAR.	\$	1.
Imputed pct. packaged cooling units	ZPKGCP5	174-	174	\$ZVAR.	\$	1.
Imputed pct. cooled by the evap. coolers	ZEVPAP5	176-	176	\$ZVAR.	\$	1.
Imputed pct. cooled by other cooling	ZOTCLP5	178-	178	\$ZVAR.	\$	1.
Imputed central air distributed by vents	ZRCACDC5	180-	180	\$ZVAR.	\$	1.
Imputed central air distributed by other	ZRCACOT5	182-	182	\$ZVAR.	\$	1.
Imputed central air cond: dont know	ZRCACDK5	184-	184	\$ZVAR.	\$	1.
Imputed heat pump cooling dist. by vents	ZHTPCDC5	186-	186	\$ZVAR.	\$	1.
Imputed heat pump cooling dist. by other	ZHTPCOT5	188-	188	\$ZVAR.	\$	1.
Imputed heat pump: dont know	ZHTPCDK5	190-	190	\$ZVAR.	\$	1.
Imputed chilled water dist. by fan-coil	ZCHWTF5	192-	192	\$ZVAR.	\$	1.
Imputed chilled water dist. vents	ZCHWTD5	194-	194	\$ZVAR.	\$	1.
Imputed chilled water dist. by other	ZCHWOT5	196-	196	\$ZVAR.	\$	1.
Imputed chilled water: dont know	ZCHWTDK5	198-	198	\$ZVAR.	\$	1.
Imputed cent. chiller dist. by fan-coil	ZCHILFC5	200-	200	\$ZVAR.	\$	1.
Imputed central chiller dist. by vents	ZCHILDC5	202-	202	\$ZVAR.	\$	1.
Imputed central chiller dist. by other	ZCHILO5	204-	204	\$ZVAR.	\$	1.
Imputed chillers: dont know	ZCHILDK5	206-	206	\$ZVAR.	\$	1.
Imputed packaged cooling dist. by vents	ZPKGCD5	208-	208	\$ZVAR.	\$	1.
Imputed packaged cooling dist. by other	ZPKGCD5	210-	210	\$ZVAR.	\$	1.
Imputed pack air cond: dont know	ZPKGCDK5	212-	212	\$ZVAR.	\$	1.
Imputed evap. coolers dist. by fan-coil	ZEVPFC5	214-	214	\$ZVAR.	\$	1.
Imputed evap. coolers dist. by vents	ZEVPDC5	216-	216	\$ZVAR.	\$	1.
Imputed evap. coolers dist. by other	ZEVPOT5	218-	218	\$ZVAR.	\$	1.
Imputed other cooling dist. by fan-coil	ZOTCLFC5	220-	220	\$ZVAR.	\$	1.
Imputed other cooling dist. by vents	ZOTCLDC5	222-	222	\$ZVAR.	\$	1.
Imputed other cooling dist. by other	ZOTCLOT5	224-	224	\$ZVAR.	\$	1.
Imputed age of central chillers	ZCHILYR5	226-	226	\$ZVAR.	\$	1.
Imputed retro/purch chlrs, past 10 yrs	ZCHILRP5	228-	228	\$ZVAR.	\$	1.
Imputed cent. chill. sponsor: elec. util	ZCHILEU5	230-	230	\$ZVAR.	\$	1.

Imputed cent. chillers sponsor: in-house	ZCHILIH5	232-	232	\$ZVAR.	\$	1.
Imputed cent. chill. sponsor: 3rd-party	ZCHILTP5	234-	234	\$ZVAR.	\$	1.
Imputed central chillers sponsor: other	ZCHILOS5	236-	236	\$ZVAR.	\$	1.
Imputed central chillers sponsor: femp	ZCHILFM5	238-	238	\$ZVAR.	\$	1.
Imputed cent. chillers assist: f.e.e.f.	ZCHILFF5	240-	240	\$ZVAR.	\$	1.
Imputed cent. chill. assist: incentives	ZCHILIN5	242-	242	\$ZVAR.	\$	1.
Imputed cent. chill. assist: alt. rates	ZCHILAR5	244-	244	\$ZVAR.	\$	1.
Imputed cent. chill. assist: fuel switch	ZCHILFS5	246-	246	\$ZVAR.	\$	1.
Imputed cent. chill. assist: other/none	ZCHILOA5	248-	248	\$ZVAR.	\$	1.

Variable Codes for File 9

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BLDGID5 'BUILDING IDENTIFIER'
@ Columns 1 7 9999999 @
FEDREG5 'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5 'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP' = 12
'PUBLIC ASSEMBLY' = 13
'EDUCATION' = 14
'FOOD SERVICES' = 15
'HOSPIT/INPAT HLTH SVCS' = 16
'SKIL NURS/RESIDTL CARE' = 17
'HOTEL/MOTEL/DORM' = 18
'RESIDENTIAL' = 19
'INDOOR ENCLSD PARK GAR' = 20
'OTHER' = 21
'ALL ACTIVITIES LT 75%' = 22
'DK IF ONE ACTIV GT 75%' = 98
SQFT5 'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'
@ Columns 14 20 9999999 @
9999998 = DONT KNOW
9999999 = NOT ASCERTAINED
SQFTC5 'GROSS SQUARE FOOTAGE, CATEGORY'
@ Columns 22 23 99 @
'10,000 OR LESS' = 03
'10,001 - 25,000' = 04
'25,001 - 50,000' = 05
'50,001 - 100,000' = 06
'100,001 - 200,000' = 07
'200,001 - 500,000' = 08
'500,001 - 1 MILLION' = 09
'OVER 1 MILLION' = 10
'DONT KNOW' = 98
YRCONC5 'YEAR CONSTRUCTION COMPLETED (CATEGORY)'
@ Columns 25 26 99 @
'1899 OR BEFORE' = 01
'1900-1919' = 02
'1920-1945' = 03
'1946-1959' = 04
'1960-1969' = 05
'1970-1979' = 06
'1980-1989' = 07
'1990-1992' = 08
'1993-1994' = 09
ELUSED5 'USE ELECTRICITY'
@ Columns 28 28 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8

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      'NOT ASCERTAINED'          = 9
NGUSED5 'USE NATURAL GAS'
  @ Columns 30 30 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
FKUSED5 'USE FUEL OIL, DIESEL, OR KEROSENE'
  @ Columns 32 32 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
STUSED5 'USE DISTRICT STEAM'
  @ Columns 34 34 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
HWUSED5 'USE DISTRICT HOT WATER'
  @ Columns 36 36 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
CWUSED5 'USE DISTRICT CHILLED WATER'
  @ Columns 38 38 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
TOTWK5 'NUM OF PEOPLE WHO WORK IN BLDG'
  @ Columns 40 44 99999 @
      99997 = INAPPLICABLE
      99998 = DONT KNOW
      99999 = NOT ASCERTAINED
STRATUM5 'STRATUM NUMBER'
  @ Columns 46 47 99 @
      'DOD: WEST VA, VA'        = 01
      'DOD: DE, PA'             = 02
      'DOD: MD, DIST. OF COL.'  = 03
      'NON-DOD: WEST VA, VA'    = 04
      'NON-DOD: DE, PA'         = 05
      'NON-DOD: MD, DIST. OF COL.' = 06
      'DOD: OK, TX'             = 07
      'DOD: NM'                 = 08
      'DOD: LA, AR'             = 09
      'NON-DOD: OK, TX'         = 10
      'NON-DOD: NM'             = 11
      'NON-DOD: LA, AR'         = 12
      'DOD: HI, CA'             = 13
      'DOD: AZ, NV'             = 14
      'NON-DOD: HI, CA'         = 15
      'NON-DOD: AZ, NV'         = 16
ADJWT5 'BUILDING WEIGHT'
  @ Columns 49 60 99999999999 @
ZFURNAC5 'Imputed furnace'
  @ Columns 62 62 9 @
ZHPTMPH5 'Imputed heat pump for heating'
  @ Columns 64 64 9 @
ZSLFCON5 'Imputed self-contained heating units'
  @ Columns 66 66 9 @
ZSTHW5 'Imputed steam or hot water piped in'
  @ Columns 68 68 9 @
ZBOILER5 'Imputed boiler'
  @ Columns 70 70 9 @
ZPKGHT5 'Imputed packaged heating units'
  @ Columns 72 72 9 @
ZOTHTQ5 'Imputed other heating equipment'
  @ Columns 74 74 9 @
ZOTHTQ15 'Imputed first other heating equipment'
  @ Columns 76 76 9 @

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ZDKHTEQ5 'Imputed heated, equipment unknown'
@ Columns 78 78 9 @
ZFURNP5 'Imputed pct. heated by furnace'
@ Columns 80 80 9 @
ZHTPH5 'Imputed pct. heated by the heat pump'
@ Columns 82 82 9 @
ZSLFCNP5 'Imputed pct. heated by space heaters'
@ Columns 84 84 9 @
ZSTHWP5 'Imputed pct. heated by steam/hot water'
@ Columns 86 86 9 @
ZBOILP5 'Imputed pct. heated by boilers'
@ Columns 88 88 9 @
ZPKGHP5 'Imputed pct. heated packaged heat units'
@ Columns 90 90 9 @
ZOTHTP5 'Imputed pct. heated by other equipment'
@ Columns 92 92 9 @
ZTOTHTP5 'Imputed total for d5'
@ Columns 94 94 9 @
ZFURNDC5 'Imputed furnace heat dist. by vents'
Columns ' 96 96 9 @
ZFURNFC5 'IMPUTED FURNACE HEAT DIST. BY FAN-COIL'
Columns ' 98 98 9 @
ZFURNOT5 'Imputed furnace heat dist. by other'
@ Columns 100 100 9 @
ZFURNDK5 'Imputed heat pump: dont know'
@ Columns 102 102 9 @
ZHTPHDC5 'Imputed heat pump heat dist. by vents'
@ Columns 104 104 9 @
ZHTPHOT5 'Imputed heat pump heat dist. by other'
@ Columns 106 106 9 @
ZHTPHDK5 'Imputed furnace heat: dont know'
@ Columns 108 108 9 @
ZSTHWBR5 'Imputed steam dist. by radiators/bboards'
@ Columns 110 110 9 @
ZSTHWD5 'Imputed steam distributed by vents'
@ Columns 112 112 9 @
ZSTHWF5 'Imputed steam distributed by fan-coil'
@ Columns 114 114 9 @
ZSTHWOT5 'Imputed steam distributed by other'
@ Columns 116 116 9 @
ZSTHWDK5 'Imputed steam/hot water: dont know'
@ Columns 118 118 9 @
ZBOILBR5 'Imputed boiler dist. radiators/bboards'
@ Columns 120 120 9 @
ZBOILDC5 'Imputed boiler heat distributed by vents'
@ Columns 122 122 9 @
ZBOILFC5 'Imputed boiler heat dist. by fan-coil'
@ Columns 124 124 9 @
ZBOILO5 'Imputed boiler heat distributed by other'
@ Columns 126 126 9 @
ZBOILDK5 'Imputed boiler: dont know'
@ Columns 128 128 9 @
ZPKGHD5 'Imputed packaged heat dist. by vents'
@ Columns 130 130 9 @
ZPKGHOT5 'Imputed packaged heat dist. by other'
@ Columns 132 132 9 @
ZPKGHDK5 'Imputed packaged heat unit: dont know'
@ Columns 134 134 9 @
ZOTHTBR5 'Imputed other heat dist. radtrs/bboards'
@ Columns 136 136 9 @
ZOTHTDC5 'Imputed other heat distributed by vents'
@ Columns 138 138 9 @
ZOTHTFC5 'Imputed other heat dist. by fan-coil'
@ Columns 140 140 9 @
ZOTHTOT5 'Imputed other heat distributed by other'
@ Columns 142 142 9 @
ZRCAC5 'Imputed residential type central AC used'
@ Columns 144 144 9 @
ZHTPMP5 'Imputed heat pump for cooling'
@ Columns 146 146 9 @
ZACWNWL5 'Imputed individual air conditioners'
@ Columns 148 148 9 @
ZCHWT5 'Imputed district chilled water piped in'
@ Columns 150 150 9 @
ZCHILR5 'Imputed central chiller'
@ Columns 152 152 9 @
ZPKGCL5 'Imputed packaged cooling units'

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@ Columns 154 154 9 @
ZEVAPCL5 'Imputed evaporative coolers'
@ Columns 156 156 9 @
ZOTCLEQ5 'Imputed other cooling equipment'
@ Columns 158 158 9 @
ZOTCLQ15 'Imputed first other cooling equipment'
@ Columns 160 160 9 @
ZDKCLEQ5 'Imputed cooled, equipment unknown'
@ Columns 162 162 9 @
ZRCACP5 'Imputed pct. cooled by resid. central AC'
@ Columns 164 164 9 @
ZHTPCP5 'Imputed pct. cooled by the heat pump'
@ Columns 166 166 9 @
ZACWNWP5 'Imputed pct. cooled by individual AC'
@ Columns 168 168 9 @
ZCHWTP5 'Imputed pct. cooled dist. chilled water'
@ Columns 170 170 9 @
ZCHILP5 'Imputed pct. cooled by central chillers'
@ Columns 172 172 9 @
ZPKGCP5 'Imputed pct. packaged cooling units'
@ Columns 174 174 9 @
ZEVAPP5 'Imputed pct. cooled by the evap. coolers'
@ Columns 176 176 9 @
ZOTCLP5 'Imputed pct. cooled by other cooling'
@ Columns 178 178 9 @
ZRCACDC5 'Imputed central air distributed by vents'
@ Columns 180 180 9 @
ZRCACOT5 'Imputed central air distributed by other'
@ Columns 182 182 9 @
ZRCACDK5 'Imputed central air cond: dont know'
@ Columns 184 184 9 @
ZHTPCDC5 'Imputed heat pump cooling dist. by vents'
@ Columns 186 186 9 @
ZHTPCOT5 'Imputed heat pump cooling dist. by other'
@ Columns 188 188 9 @
ZHTPCDK5 'Imputed heat pump: dont know'
@ Columns 190 190 9 @
ZCHWTFC5 'Imputed chilled water dist. by fan-coil'
@ Columns 192 192 9 @
ZCHWTD5 'Imputed chilled water dist. vents'
@ Columns 194 194 9 @
ZCHWTOT5 'Imputed chilled water dist. by other'
@ Columns 196 196 9 @
ZCHWTDK5 'Imputed chilled water: dont know'
@ Columns 198 198 9 @
ZCHILFC5 'Imputed cent. chiller dist. by fan-coil'
@ Columns 200 200 9 @
ZCHILDC5 'Imputed central chiller dist. by vents'
@ Columns 202 202 9 @
ZCHILOT5 'Imputed central chiller dist. by other'
@ Columns 204 204 9 @
ZCHILDK5 'Imputed chillers: dont know'
@ Columns 206 206 9 @
ZPKGCD5 'Imputed packaged cooling dist. by vents'
@ Columns 208 208 9 @
ZPKGCO5 'Imputed packaged cooling dist. by other'
@ Columns 210 210 9 @
ZPKGCDK5 'Imputed pack air cond: dont know'
@ Columns 212 212 9 @
ZEVAPFC5 'Imputed evap. coolers dist. by fan-coil'
@ Columns 214 214 9 @
ZEVAPDC5 'Imputed evap. coolers dist. by vents'
@ Columns 216 216 9 @
ZEVAPOT5 'Imputed evap. coolers dist. by other'
@ Columns 218 218 9 @
ZOTCLFC5 'Imputed other cooling dist. by fan-coil'
@ Columns 220 220 9 @
ZOTCLDC5 'Imputed other cooling dist. by vents'
@ Columns 222 222 9 @
ZOTCLOT5 'Imputed other cooling dist. by other'
@ Columns 224 224 9 @
ZCHILYR5 'Imputed age of central chillers'
@ Columns 226 226 9 @
ZCHILRP5 'Imputed retro/purch chlrs, past 10 yrs'
@ Columns 228 228 9 @
ZCHILEU5 'Imputed cent. chill. sponsor: elec. util'
@ Columns 230 230 9 @

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ZCHILIH5 'Imputed cent. chillers sponsor: in-house'
 @ Columns 232 232 9 @
 ZCHILTP5 'Imputed cent. chill. sponsor: 3rd-party'
 @ Columns 234 234 9 @
 ZCHILOS5 'Imputed central chillers sponsor: other'
 @ Columns 236 236 9 @
 ZCHILFM5 'Imputed central chillers sponsor: femp'
 @ Columns 238 238 9 @
 ZCHILFF5 'Imputed cent. chillers assist: f.e.e.f.'
 @ Columns 240 240 9 @
 ZCHILIN5 'Imputed cent. chill. assist: incentives'
 @ Columns 242 242 9 @
 ZCHILAR5 'Imputed cent. chill. assist: alt. rates'
 @ Columns 244 244 9 @
 ZCHILFS5 'Imputed cent. chill. assist: fuel switch'
 @ Columns 246 246 9 @
 ZCHILOA5 'Imputed cent. chill. assist: other/none'
 @ Columns 248 248 9 @

Layout for File 10: Imputation Flags for -- Building Activities, Special Measures of
 Size, Multibuilding Facilities, Operating Hours, Workers, Building
 Construction, Central Plant
 (FB94F10T.TXT & FB94F10D.DBF)

Variable Description		Variable Name Position			
CASEID	Building identifier	BLDGID5	1-	7	\$ 7.
REGION	Building federal region	FEDREG5	9-	9	\$FEDREG. \$ 1.
	Principal building activity	PBA5	11-	12	\$ACTIVITY. \$ 2.
A7	Square footage	SQFT5	14-	20	MISS9CH. 7.
A8	Square footage category	SQFTC5	22-	23	\$SQFTC. \$ 2.
A14	Year of construction category	YRCONC5	25-	26	\$YRCONC. \$ 2.
C1A	Electricity used in 1992	ELUSED5	28-	28	\$YESNO. \$ 1.
C1B	Natural gas used in 1992	NGUSED5	30-	30	\$YESNO. \$ 1.
C1C	Fuel oil used in 1992	FKUSED5	32-	32	\$YESNO. \$ 1.
C1E	District steam used in 1992	STUSED5	34-	34	\$YESNO. \$ 1.
C1F	District hot water in 1992	HWUSED5	36-	36	\$YESNO. \$ 1.
C1G	District chilled water in 1992	CWUSED5	38-	38	\$YESNO. \$ 1.
E18	Number of workers (all shifts)	TOTWK5	40-	44	MISS5CH. 5.
STRATUM	Variance stratum	STRATUM5	46-	47	\$ 2.
WEIGHT	Adjusted weight	ADJWT5	49-	60	12.
	Imputed square footage	ZSQFT5	62-	62	\$ZVAR. \$ 1.
	Imputed square footage category	ZSQFTC5	64-	64	\$ZVAR. \$ 1.
	Imputed number of floors	ZNFLOR5	66-	66	\$ZVAR. \$ 1.
	Imputed year constructed	ZYRCON5	68-	68	\$ZVAR. \$ 1.
	Imputed year constructed category	ZYRCONC5	70-	70	\$ZVAR. \$ 1.
	Imputed principal activity	ZPBAOBS5	72-	72	\$ZVAR. \$ 1.
	Imputed q. b2: other, specify	ZPBAOB15	74-	74	\$ZVAR. \$ 1.
	Imputed activities: vacant	ZVAC5	76-	76	\$ZVAR. \$ 1.
	Imputed activities: office/professional	ZOFC5	78-	78	\$ZVAR. \$ 1.
	Imputed activities: retail/service	ZRETL5	80-	80	\$ZVAR. \$ 1.
	Imputed activities: laboratory	ZLAB5	82-	82	\$ZVAR. \$ 1.
	Imputed activities: food sales	ZFDSL5	84-	84	\$ZVAR. \$ 1.
	Imputed activities: public order/safety	ZPORD5	86-	86	\$ZVAR. \$ 1.
	Imputed activities: outpatient health	ZHCOUT5	88-	88	\$ZVAR. \$ 1.
	Imputed activities: religious worship	ZWORS5	90-	90	\$ZVAR. \$ 1.
	Imputed activities: public assembly	ZPUBLC5	92-	92	\$ZVAR. \$ 1.
	Imputed activities: education	ZEDUC5	94-	94	\$ZVAR. \$ 1.
	Imputed activities: food services	ZFDSVC5	96-	96	\$ZVAR. \$ 1.
	Imputed activities: hospital/inpatient	ZHCIN5	98-	98	\$ZVAR. \$ 1.
	Imputed activities: skilled nursing care	ZNURSE5	100-	100	\$ZVAR. \$ 1.
	Imputed activities: hotel/motel/dorm	ZLODGE5	102-	102	\$ZVAR. \$ 1.
	Imputed activities: indoor garage	ZPARK5	104-	104	\$ZVAR. \$ 1.
	Imputed activities: dont know	ZDKPBA5	106-	106	\$ZVAR. \$ 1.
	Imputed percentage: vacant	ZVACP5	108-	108	\$ZVAR. \$ 1.
	Imputed percentage: office/professional	ZOFCP5	110-	110	\$ZVAR. \$ 1.
	Imputed percentage: retail/service	ZRETL5	112-	112	\$ZVAR. \$ 1.
	Imputed percentage: laboratory	ZLABP5	114-	114	\$ZVAR. \$ 1.
	Imputed percentage: food sales	ZFDSLSP5	116-	116	\$ZVAR. \$ 1.
	Imputed percentage: public order/safety	ZPORDP5	118-	118	\$ZVAR. \$ 1.
	Imputed percentage: outpatient health	ZHCOUTP5	120-	120	\$ZVAR. \$ 1.
	Imputed percentage: religious worship	ZWORSHP5	122-	122	\$ZVAR. \$ 1.
	Imputed percentage: public assembly	ZPUBLC5	124-	124	\$ZVAR. \$ 1.
	Imputed percentage: education	ZEDUCP5	126-	126	\$ZVAR. \$ 1.
	Imputed percentage: food services	ZFDSVCP5	128-	128	\$ZVAR. \$ 1.

Imputed percentage: hospital/inpatient	ZHCINP5	130- 130	\$ZVAR.	\$ 1.
Imputed percentage: skilled nursing care	ZNURSEP5	132- 132	\$ZVAR.	\$ 1.
Imputed percentage: hotel/motel/dorm	ZLODGEP5	134- 134	\$ZVAR.	\$ 1.
Imputed 1st previous/intended use	ZVACBA15	136- 136	\$ZVAR.	\$ 1.
Imputed religious worship seating	ZRWSEAT5	138- 138	\$ZVAR.	\$ 1.
Imputed public assembly seating	ZPBSEAT5	140- 140	\$ZVAR.	\$ 1.
Imputed classroom seating	ZEDSEAT5	142- 142	\$ZVAR.	\$ 1.
Imputed food service seating	ZFDSEAT5	144- 144	\$ZVAR.	\$ 1.
Imputed licensed beds (hospitals)	ZHCBED5	146- 146	\$ZVAR.	\$ 1.
Imputed licensed beds (nursing)	ZNRSBED5	148- 148	\$ZVAR.	\$ 1.
Imputed number of guest rooms	ZLODGRM5	150- 150	\$ZVAR.	\$ 1.
Imputed PCs/comp. terminals in building	ZPCTERM5	152- 152	\$ZVAR.	\$ 1.
Imputed no. PCs/comp. terminals cat.	ZPCTRMCS	154- 154	\$ZVAR.	\$ 1.
Imputed facility	ZFACIL5	156- 156	\$ZVAR.	\$ 1.
Imputed principal facility activity	ZFACACT5	158- 158	\$ZVAR.	\$ 1.
Imputed months in use out of past 12	ZMONUSE5	160- 160	\$ZVAR.	\$ 1.
Imputed weekly operating hours	ZWKHRS5	162- 162	\$ZVAR.	\$ 1.
Imputed weekly operating hours category	ZWKHRSC5	164- 164	\$ZVAR.	\$ 1.
Imputed number of workers (all shifts)	ZTOTWK5	166- 166	\$ZVAR.	\$ 1.
Imputed no. of workers cat. (all shifts)	ZTOTWKC5	168- 168	\$ZVAR.	\$ 1.
Imputed wall construction material	ZWLCNS5	170- 170	\$ZVAR.	\$ 1.
Imputed roof construction material	ZRFCNS5	172- 172	\$ZVAR.	\$ 1.
Imputed percent glass on exterior	ZGLSSPC5	174- 174	\$ZVAR.	\$ 1.
Imputed physical plant produce hot water	ZFACDHW5	176- 176	\$ZVAR.	\$ 1.
Imputed central plant produces steam	ZFACDST5	178- 178	\$ZVAR.	\$ 1.
Imputed central plant produces chill wtr	ZFACDCW5	180- 180	\$ZVAR.	\$ 1.
Imputed central plant produces elec	ZFACELC5	182- 182	\$ZVAR.	\$ 1.
Imputed all elec generated in building	ZELALLG5	184- 184	\$ZVAR.	\$ 1.
Imputed totl rptd electricity	ZELTOT5	186- 186	\$ZVAR.	\$ 1.
Imputed sq ft of all elec use buildings	ZELOTSF5	188- 188	\$ZVAR.	\$ 1.
Imputed total electricity for all bldgs	ZELTOTX5	190- 190	\$ZVAR.	\$ 1.
Imputed unit of measure for electricity	ZELUNIT5	192- 192	\$ZVAR.	\$ 1.
Imputed elec includes other outside uses	ZELOUSE5	194- 194	\$ZVAR.	\$ 1.
Imputed other major elec uses: 1st	ZELOUS15	196- 196	\$ZVAR.	\$ 1.
Imputed elec use/expand info src: genrl	ZELSRC5	198- 198	\$ZVAR.	\$ 1.
Imputed maintain monthly elec data	ZELMON5	200- 200	\$ZVAR.	\$ 1.
Imputed total rptd ngas usage	ZNGTOT5	202- 202	\$ZVAR.	\$ 1.
Imputed sq ft of all nat gas use bldgs	ZNGOTSF5	204- 204	\$ZVAR.	\$ 1.
Imputed total natl gas for all bldgs	ZNGTOTX5	206- 206	\$ZVAR.	\$ 1.
Imputed unit of measure for natural gas	ZNGUNIT5	208- 208	\$ZVAR.	\$ 1.
Imputed interruptible service (nat. gas)	ZNGINTR5	210- 210	\$ZVAR.	\$ 1.
Imputed building uses transportation gas	ZTRNSGS5	212- 212	\$ZVAR.	\$ 1.
Imputed total tank capacity (gallons)	ZTOTCAP5	214- 214	\$ZVAR.	\$ 1.
Imputed consumption of propane category	ZPRAMTC5	216- 216	\$ZVAR.	\$ 1.
Imputed unit for propane amounts	ZPRAUNT5	218- 218	\$ZVAR.	\$ 1.
Imputed expend. for propane category	ZPREXPC5	220- 220	\$ZVAR.	\$ 1.
Imputed consumption of wood category	ZWOAMTC5	222- 222	\$ZVAR.	\$ 1.
Imputed wood purchased or free of charge	ZWOSRC5	224- 224	\$ZVAR.	\$ 1.
Imputed expend. for wood category	ZWOEXPC5	226- 226	\$ZVAR.	\$ 1.
Imputed maintain monthly wood data	ZWOMON5	228- 228	\$ZVAR.	\$ 1.
Imputed total dist cw for this bldg	ZCWTOT5	230- 230	\$ZVAR.	\$ 1.
Imputed sq ft of all cw use buildings	ZCWOTSF5	232- 232	\$ZVAR.	\$ 1.
Imputed total dist cw for all bldgs	ZCWTOTX5	234- 234	\$ZVAR.	\$ 1.
Imputed unit of measure for district cw	ZCWUNIT5	236- 236	\$ZVAR.	\$ 1.
Chilled water expenditures imputation	ZCWEXP5	238- 238	\$ZVAR.	\$ 1.
Imputed dist cw use/expand info src: gen	ZCWSRC5	240- 240	\$ZVAR.	\$ 1.
Imputed maintain monthly dist cw data	ZCWMON5	242- 242	\$ZVAR.	\$ 1.
Chilled water consumption imputation	ZCWCNS5	244- 244	\$ZVAR.	\$ 1.
Imputed how 2nd energy w/o end use used	ZOTEE25	246- 246	\$ZVAR.	\$ 1.

Variable Codes for File 10

```

BLDGID5  'BUILDING IDENTIFIER'
@ Columns 1 7 9999999 @
FEDREG5  'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5     'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05

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'FOOD SALES'	=	06
'PUBLIC ORDER/SAFETY'	=	07
'OUTPAT HLTH SVCS/CLNIC'	=	08
'INDUST PROCESSING/MFG'	=	09
'AGRICULTURAL PURPOSES'	=	10
'REFRIG WAREHSE/STORAGE'	=	11
'RELIGIOUS WORSHIP'	=	12
'PUBLIC ASSEMBLY'	=	13
'EDUCATION'	=	14
'FOOD SERVICES'	=	15
'HOSPIT/INPAT HLTH SVCS'	=	16
'SKIL NURS/RESIDTL CARE'	=	17
'HOTEL/MOTEL/DORM'	=	18
'RESIDENTIAL'	=	19
'INDOOR ENCLSD PARK GAR'	=	20
'OTHER'	=	21
'ALL ACTIVITIES LT 75%'	=	22
'DK IF ONE ACTIV GT 75%'	=	98

SQFT5 'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'

@ Columns	14	20	9999999	@
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9999998 = DONT KNOW
9999999 = NOT ASCERTAINED

SQFTC5 'GROSS SQUARE FOOTAGE, CATEGORY'

@ Columns	22	23	99	@
'10,000 OR LESS'			=	03
'10,001 - 25,000'			=	04
'25,001 - 50,000'			=	05
'50,001 - 100,000'			=	06
'100,001 - 200,000'			=	07
'200,001 - 500,000'			=	08
'500,001 - 1 MILLION'			=	09
'OVER 1 MILLION'			=	10
'DONT KNOW'			=	98

YRCONC5 'YEAR CONSTRUCTION COMPLETED (CATEGORY)'

@ Columns	25	26	99	@
'1899 OR BEFORE'			=	01
'1900-1919'			=	02
'1920-1945'			=	03
'1946-1959'			=	04
'1960-1969'			=	05
'1970-1979'			=	06
'1980-1989'			=	07
'1990-1992'			=	08
'1993-1994'			=	09

ELUSED5 'USE ELECTRICITY'

@ Columns	28	28	9	@
'YES'			=	1
'NO'			=	2
'INAPPLICABLE'			=	7
'DONT KNOW'			=	8
'NOT ASCERTAINED'			=	9

NGUSED5 'USE NATURAL GAS'

@ Columns	30	30	9	@
'YES'			=	1
'NO'			=	2
'INAPPLICABLE'			=	7
'DONT KNOW'			=	8
'NOT ASCERTAINED'			=	9

FKUSED5 'USE FUEL OIL, DIESEL, OR KEROSENE'

@ Columns	32	32	9	@
'YES'			=	1
'NO'			=	2
'INAPPLICABLE'			=	7
'DONT KNOW'			=	8
'NOT ASCERTAINED'			=	9

STUSED5 'USE DISTRICT STEAM'

@ Columns	34	34	9	@
'YES'			=	1
'NO'			=	2
'INAPPLICABLE'			=	7
'DONT KNOW'			=	8
'NOT ASCERTAINED'			=	9

HWUSED5 'USE DISTRICT HOT WATER'

@ Columns	36	36	9	@
'YES'			=	1
'NO'			=	2
'INAPPLICABLE'			=	7

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'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CWUSED5 'USE DISTRICT CHILLED WATER'
@ Columns 38 38 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
TOTWK5 'NUM OF PEOPLE WHO WORK IN BLDG'
@ Columns 40 44 99999 @
99997 = INAPPLICABLE
99998 = DONT KNOW
99999 = NOT ASCERTAINED
STRATUM5 'STRATUM NUMBER'
@ Columns 46 47 99 @
'DOD: WEST VA, VA' = 01
'DOD: DE, PA' = 02
'DOD: MD, DIST. OF COL.' = 03
'NON-DOD: WEST VA, VA' = 04
'NON-DOD: DE, PA' = 05
'NON-DOD: MD, DIST. OF COL.' = 06
'DOD: OK, TX' = 07
'DOD: NM' = 08
'DOD: LA, AR' = 09
'NON-DOD: OK, TX' = 10
'NON-DOD: NM' = 11
'NON-DOD: LA, AR' = 12
'DOD: HI, CA' = 13
'DOD: AZ, NV' = 14
'NON-DOD: HI, CA' = 15
'NON-DOD: AZ, NV' = 16
ADJWT5 'BUILDING WEIGHT'
@ Columns 49 60 99999999999 @
ZSQFT5 'Imputed square footage'
@ Columns 62 62 9 @
ZSQFTC5 'Imputed square footage category'
@ Columns 64 64 9 @
ZNFLOOR5 'Imputed number of floors'
@ Columns 66 66 9 @
ZYRCON5 'Imputed year constructed'
@ Columns 68 68 9 @
ZYRCONC5 'Imputed year constructed category'
@ Columns 70 70 9 @
ZPBAOBS5 'Imputed principal activity'
@ Columns 72 72 9 @
ZPBAOB15 'Imputed q. b2: other, specify'
@ Columns 74 74 9 @
ZVAC5 'Imputed activities: vacant'
@ Columns 76 76 9 @
ZOF5C5 'Imputed activities: office/professional'
@ Columns 78 78 9 @
ZRETL5 'Imputed activities: retail/service'
@ Columns 80 80 9 @
ZLAB5 'Imputed activities: laboratory'
@ Columns 82 82 9 @
ZFDSL5S5 'Imputed activities: food sales'
@ Columns 84 84 9 @
ZPORD5 'Imputed activities: public order/safety'
@ Columns 86 86 9 @
ZHCOUT5 'Imputed activities: outpatient health'
@ Columns 88 88 9 @
ZWORSH5 'Imputed activities: religious worship'
@ Columns 90 90 9 @
ZPUBL5C5 'Imputed activities: public assembly'
@ Columns 92 92 9 @
ZEDUC5 'Imputed activities: education'
@ Columns 94 94 9 @
ZFDSVC5 'Imputed activities: food services'
@ Columns 96 96 9 @
ZHCIN5 'Imputed activities: hospital/inpatient'
@ Columns 98 98 9 @
ZNURSE5 'Imputed activities: skilled nursing care'
@ Columns 100 100 9 @
ZLODGE5 'Imputed activities: hotel/motel/dorm'
@ Columns 102 102 9 @
ZPARK5 'Imputed activities: indoor garage'

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@ Columns 104 104 9 @
ZDKPBA5 'Imputed activities: dont know'
@ Columns 106 106 9 @
ZVACP5 'Imputed percentage: vacant'
@ Columns 108 108 9 @
ZOFCP5 'Imputed percentage: office/professional'
@ Columns 110 110 9 @
ZRETL5 'Imputed percentage: retail/service'
@ Columns 112 112 9 @
ZLABP5 'Imputed percentage: laboratory'
@ Columns 114 114 9 @
ZFDSLSP5 'Imputed percentage: food sales'
@ Columns 116 116 9 @
ZPORDP5 'Imputed percentage: public order/safety'
@ Columns 118 118 9 @
ZHCOUTP5 'Imputed percentage: outpatient health'
@ Columns 120 120 9 @
ZWORSHP5 'Imputed percentage: religious worship'
@ Columns 122 122 9 @
ZPUBLCP5 'Imputed percentage: public assembly'
@ Columns 124 124 9 @
ZEDUCP5 'Imputed percentage: education'
@ Columns 126 126 9 @
ZFDSVCP5 'Imputed percentage: food services'
@ Columns 128 128 9 @
ZHCINP5 'Imputed percentage: hospital/inpatient'
@ Columns 130 130 9 @
ZNURSEP5 'Imputed percentage: skilled nursing care'
@ Columns 132 132 9 @
ZLODGP5 'Imputed percentage: hotel/motel/dorm'
@ Columns 134 134 9 @
ZVACBA15 'Imputed 1st previous/intended use'
@ Columns 136 136 9 @
ZRWSEAT5 'Imputed religious worship seating'
@ Columns 138 138 9 @
ZPBSEAT5 'Imputed public assembly seating'
@ Columns 140 140 9 @
ZEDSEAT5 'Imputed classroom seating'
@ Columns 142 142 9 @
ZFDSEAT5 'Imputed food service seating'
@ Columns 144 144 9 @
ZHCBED5 'Imputed licensed beds (hospitals)'
@ Columns 146 146 9 @
ZNRSEB5 'Imputed licensed beds (nursing)'
@ Columns 148 148 9 @
ZLODGRM5 'Imputed number of guest rooms'
@ Columns 150 150 9 @
ZPCTERM5 'Imputed PCs/comp. terminals in building'
@ Columns 152 152 9 @
ZPCTRM5 'Imputed no. PCs/comp. terminals cat.'
@ Columns 154 154 9 @
ZFACIL5 'Imputed facility'
@ Columns 156 156 9 @
ZFACACT5 'Imputed principal facility activity'
@ Columns 158 158 9 @
ZMONUSE5 'Imputed months in use out of past 12'
@ Columns 160 160 9 @
ZWKHRS5 'Imputed weekly operating hours'
@ Columns 162 162 9 @
ZWKHRS5 'Imputed weekly operating hours category'
@ Columns 164 164 9 @
ZTOTWK5 'Imputed number of workers (all shifts)'
@ Columns 166 166 9 @
ZTOTWK5 'Imputed no. of workers cat. (all shifts)'
@ Columns 168 168 9 @
ZWLCNS5 'Imputed wall construction material'
@ Columns 170 170 9 @
ZRFCNS5 'Imputed roof construction material'
@ Columns 172 172 9 @
ZGLSSPC5 'Imputed percent glass on exterior'
@ Columns 174 174 9 @
ZFACDHW5 'Imputed physical plant produce hot water'
@ Columns 176 176 9 @
ZFACDST5 'Imputed central plant produces steam'
@ Columns 178 178 9 @
ZFACDCW5 'Imputed central plant produces chill wtr'
@ Columns 180 180 9 @

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ZFACELC5 'Imputed central plant produces elec'
@ Columns 182 182 9 @
ZELALLG5 'Imputed all elec generated in building'
@ Columns 184 184 9 @
ZELTOT5 'Imputed totl rptd electricity'
@ Columns 186 186 9 @
ZELOTSF5 'Imputed sq ft of all elec use buildings'
@ Columns 188 188 9 @
ZELTOTX5 'Imputed total electricity for all bldgs'
@ Columns 190 190 9 @
ZELUNIT5 'Imputed unit of measure for electricity'
@ Columns 192 192 9 @
ZELOUSE5 'Imputed elec includes other outside uses'
@ Columns 194 194 9 @
ZELOUS15 'Imputed other major elec uses: 1st'
@ Columns 196 196 9 @
ZELSRC5 'Imputed elec use/expand info src: genrl'
@ Columns 198 198 9 @
ZELMON5 'Imputed maintain monthly elec data'
@ Columns 200 200 9 @
ZNGTOT5 'Imputed total rptd ngas usage'
@ Columns 202 202 9 @
ZNGOTSF5 'Imputed sq ft of all nat gas use bldgs'
@ Columns 204 204 9 @
ZNGTOTX5 'Imputed total natl gas for all bldgs'
@ Columns 206 206 9 @
ZNGUNIT5 'Imputed unit of measure for natural gas'
@ Columns 208 208 9 @
ZNGINTR5 'Imputed interruptible service (nat. gas)'
@ Columns 210 210 9 @
ZTRNSGS5 'Imputed building uses transportation gas'
@ Columns 212 212 9 @
ZTOTCAP5 'Imputed total tank capacity (gallons)'
@ Columns 214 214 9 @
ZPRAMTC5 'Imputed consumption of propane category'
@ Columns 216 216 9 @
ZPRAUNT5 'Imputed unit for propane amounts'
@ Columns 218 218 9 @
ZPREXPC5 'Imputed expend. for propane category'
@ Columns 220 220 9 @
ZWOAMTC5 'Imputed consumption of wood category'
@ Columns 222 222 9 @
ZWOSRC5 'Imputed wood purchased or free of charge'
@ Columns 224 224 9 @
ZWOEXPC5 'Imputed expend. for wood category'
@ Columns 226 226 9 @
ZWOMON5 'Imputed maintain monthly wood data'
@ Columns 228 228 9 @
ZCWTOT5 'Imputed total dist cw for this bldg'
@ Columns 230 230 9 @
ZCWOTSF5 'Imputed sq ft of all cw use buildings'
@ Columns 232 232 9 @
ZCWTOTX5 'Imputed total dist cw for all bldgs'
@ Columns 234 234 9 @
ZCWUNIT5 'Imputed unit of measure for district cw'
@ Columns 236 236 9 @
ZCWEXP5 'Chilled water expenditures imputation'
@ Columns 238 238 9 @
ZCWSRC5 'Imputed dist cw use/expand info src: gen'
@ Columns 240 240 9 @
ZCWMON5 'Imputed maintain monthly dist cw data'
@ Columns 242 242 9 @
ZCWCNS5 'Chilled water consumption imputation'
@ Columns 244 244 9 @
ZOTEE25 'Imputed how 2nd energy w/o end use used'
@ Columns 246 246 9 @

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Layout for File 11: Imputation Flags for -- Fuel Switching, Special Energy Technologies,
Lighting Equipment, Conservation Features, Demand-Side Management,
Energy Management Practices
(FB94F11T.TXT & FB94F11D.DBF)

Variable	Description	Variable Name	Position	
CASEID	Building identifier	BLDGID5	1- 7	\$ 7.

REGION	Building federal region	FEDREG5	9-	9	\$FEDREG.	\$	1.
	Principal building activity	PBA5	11-	12	\$ACTIVITY.	\$	2.
A7	Square footage	SQFT5	14-	20	MISS9CH.		7.
A8	Square footage category	SQFTC5	22-	23	\$SQFTC.	\$	2.
A14	Year of construction category	YRCONC5	25-	26	\$YRCONC.	\$	2.
C1A	Electricity used in 1992	ELUSED5	28-	28	\$YESNO.	\$	1.
C1B	Natural gas used in 1992	NGUSED5	30-	30	\$YESNO.	\$	1.
C1C	Fuel oil used in 1992	FKUSED5	32-	32	\$YESNO.	\$	1.
C1E	District steam used in 1992	STUSED5	34-	34	\$YESNO.	\$	1.
C1F	District hot water in 1992	HWUSED5	36-	36	\$YESNO.	\$	1.
C1G	District chilled water in 1992	CWUSED5	38-	38	\$YESNO.	\$	1.
E18	Number of workers (all shifts)	TOTWK5	40-	44	MISS5CH.		5.
STRATUM	Variance stratum	STRATUM5	46-	47		\$	2.
WEIGHT	Adjusted weight	ADJWT5	49-	60			12.
	Imputed ability to switch main heating	ZSWITCH5	62-	62	\$ZVAR.	\$	1.
	Imputed able to switch heat to elec.	ZSWCHEL5	64-	64	\$ZVAR.	\$	1.
	Imputed able to switch heat to nat. gas	ZSWCHNG5	66-	66	\$ZVAR.	\$	1.
	Imputed able to switch heat to fuel oil	ZSWCHFK5	68-	68	\$ZVAR.	\$	1.
	Imputed able to switch heat to propane	ZSWCHPR5	70-	70	\$ZVAR.	\$	1.
	Imputed able to switch heat to steam	ZSWCHST5	72-	72	\$ZVAR.	\$	1.
	Imputed able to switch heat to hot wtr.	ZSWCHHW5	74-	74	\$ZVAR.	\$	1.
	Imputed able to switch heat to wood	ZSWCHWO5	76-	76	\$ZVAR.	\$	1.
	Imputed able to switch heat to other	ZSWCHOT5	78-	78	\$ZVAR.	\$	1.
	Imputed bldg. uses TES or pump storage	ZTESTEC5	80-	80	\$ZVAR.	\$	1.
	Imputed bldg. uses passive solar	ZPASTEC5	82-	82	\$ZVAR.	\$	1.
	Imputed bldg. uses geothermal energy	ZGEOTEC5	84-	84	\$ZVAR.	\$	1.
	Imputed bldg. uses well water cooling	ZWELTEC5	86-	86	\$ZVAR.	\$	1.
	Imputed bldg. uses waste incineration	ZWASTE5	88-	88	\$ZVAR.	\$	1.
	Imputed bldg. uses wind generation	ZWNDTEC5	90-	90	\$ZVAR.	\$	1.
	Imputed bldg. uses other technology	ZTECOTH5	92-	92	\$ZVAR.	\$	1.
	Imputed percent lit	ZLTOHRP5	94-	94	\$ZVAR.	\$	1.
	Imputed percent lit category	ZLOHRPC5	96-	96	\$ZVAR.	\$	1.
	Imputed percent lit off-hours	ZLTNHRP5	98-	98	\$ZVAR.	\$	1.
	Imputed percent lit off-hours category	ZLNHRPC5	100-	100	\$ZVAR.	\$	1.
	Imputed incandescent bulbs	ZBULB5	102-	102	\$ZVAR.	\$	1.
	Imputed fluorescent lights	ZFLUOR5	104-	104	\$ZVAR.	\$	1.
	Imputed compact fluorescent bulbs used	ZCFLR5	106-	106	\$ZVAR.	\$	1.
	Imputed high-intensity discharge lights	ZHID5	108-	108	\$ZVAR.	\$	1.
	Imputed use electronic ballast	ZHEB5	110-	110	\$ZVAR.	\$	1.
	Imputed any other lighting equipment	ZOTLT5	112-	112	\$ZVAR.	\$	1.
	Imputed type other lighting equip	ZOTLT15	114-	114	\$ZVAR.	\$	1.
	Imputed pct. lit by bulbs category	ZBULBPC5	116-	116	\$ZVAR.	\$	1.
	Imputed pct. lit fluorescents category	ZFLRPC5	118-	118	\$ZVAR.	\$	1.
	Imputed pct. lit comp. fluorescent cat.	ZCFLRPC5	120-	120	\$ZVAR.	\$	1.
	Imputed percent lit by HID lights cat.	ZHIDPC5	122-	122	\$ZVAR.	\$	1.
	Imputed percent lit by elec. ballast	ZHEBPC5	124-	124	\$ZVAR.	\$	1.
	Imputed specular reflectors used	ZSREF5	126-	126	\$ZVAR.	\$	1.
	Imputed daylighting controls	ZDAYCTL5	128-	128	\$ZVAR.	\$	1.
	Imputed occupancy sensors used	ZOCSN5	130-	130	\$ZVAR.	\$	1.
	Imputed time clocks/timed switches used	ZTMCK5	132-	132	\$ZVAR.	\$	1.
	Imputed manual dimmer switches used	ZMNL5	134-	134	\$ZVAR.	\$	1.
	Imputed other light conserv. equip. used	ZOLCN5	136-	136	\$ZVAR.	\$	1.
	Imputed type other light conserv. equip.	ZOLCN15	138-	138	\$ZVAR.	\$	1.
	Imputed pct. specular reflectors cat.	ZSREFPC5	140-	140	\$ZVAR.	\$	1.
	Imputed pct. daylighting controls cat.	ZDCTLPC5	142-	142	\$ZVAR.	\$	1.
	Imputed pct. occupancy sensors used cat.	ZOCSNPC5	144-	144	\$ZVAR.	\$	1.
	Imputed pct. time clocks category	ZTMCKPC5	146-	146	\$ZVAR.	\$	1.
	Imputed pct. manual dimmer switches cat.	ZMNLDP5	148-	148	\$ZVAR.	\$	1.
	Imputed retro/purch lt equip w/in 10 yrs	ZLTQRP5	150-	150	\$ZVAR.	\$	1.
	Imputed VAV system	ZVAV5	152-	152	\$ZVAR.	\$	1.
	Imputed VAV system install/add	ZVAVINS5	154-	154	\$ZVAR.	\$	1.
	Imputed when VAV system added	ZVAVDT5	156-	156	\$ZVAR.	\$	1.
	Imputed economizer cycle	ZECN5	158-	158	\$ZVAR.	\$	1.
	Imputed economizer cycle installed/added	ZECNINS5	160-	160	\$ZVAR.	\$	1.
	Imputed when economizer cycle added	ZECNDT5	162-	162	\$ZVAR.	\$	1.
	Imputed roof or ceiling insulation	ZRIN5	164-	164	\$ZVAR.	\$	1.
	Imputed roof/ceil insulation inst/add	ZRININS5	166-	166	\$ZVAR.	\$	1.
	Imputed when roof/ceil insulation added	ZRINDT5	168-	168	\$ZVAR.	\$	1.
	Imputed exterior wall insulation	ZWIN5	170-	170	\$ZVAR.	\$	1.
	Imputed wall insulation installed/added	ZWININS5	172-	172	\$ZVAR.	\$	1.
	Imputed when wall insulation added	ZWINDT5	174-	174	\$ZVAR.	\$	1.
	Imputed storm windows/doors	ZSTW5	176-	176	\$ZVAR.	\$	1.
	Imputed storm windows installed/added	ZSTWINS5	178-	178	\$ZVAR.	\$	1.
	Imputed when storm windows added	ZSTWDT5	180-	180	\$ZVAR.	\$	1.
	Imputed tinted/reflective glass	ZTRG5	182-	182	\$ZVAR.	\$	1.
	Imputed tinted/reflec installed/added	ZTRGINS5	184-	184	\$ZVAR.	\$	1.
	Imputed when tint/reflec glass added	ZTRGDT5	186-	186	\$ZVAR.	\$	1.

Imputed shadings or awnings	ZAWN5	188-	188	\$ZVAR.	\$	1.
Imputed shadings/awnings install/add	ZAWNINS5	190-	190	\$ZVAR.	\$	1.
Imputed utility sponsored DSM past 3 yrs	ZUTLDSM5	192-	192	\$ZVAR.	\$	1.
Imputed bldg. partic. DSM past 3 years	ZBLDDSM5	194-	194	\$ZVAR.	\$	1.
Imputed bldg. plans participate in DSM	ZPRTDSM5	196-	196	\$ZVAR.	\$	1.
Imputed energy audit performed	ZAUDIT5	198-	198	\$ZVAR.	\$	1.
Imputed sponsor of energy audit	ZAUDSPN5	200-	200	\$ZVAR.	\$	1.
Imputed other group that sponsored audit	ZAUDOTH5	202-	202	\$ZVAR.	\$	1.
Imputed regular maintenance program	ZMAINT5	204-	204	\$ZVAR.	\$	1.
Imputed reduced heating off-hours	ZRDHTNF5	206-	206	\$ZVAR.	\$	1.
Imputed reduced cooling off-hours	ZRDCLNF5	208-	208	\$ZVAR.	\$	1.
Imputed reduced water heating off-hours	ZRDHWNF5	210-	210	\$ZVAR.	\$	1.
Imputed reduced lighting off-hours	ZRDLTNF5	212-	212	\$ZVAR.	\$	1.
Imputed reduced other equip. off-hours	ZRDOTNF5	214-	214	\$ZVAR.	\$	1.
Imputed 1st oth. equip. reduce off-hours	ZRDOTH15	216-	216	\$ZVAR.	\$	1.
Imputed 2nd oth. equip. reduce off-hours	ZRDOTH25	218-	218	\$ZVAR.	\$	1.
Imputed EMCS	ZEMCS5	220-	220	\$ZVAR.	\$	1.
Imputed EMCS controls heating	ZEMCSHT5	222-	222	\$ZVAR.	\$	1.
Imputed EMCS controls cooling	ZEMCSCL5	224-	224	\$ZVAR.	\$	1.
Imputed EMCS controls water heating	ZEMCSHW5	226-	226	\$ZVAR.	\$	1.
Imputed EMCS controls lighting	ZEMCSLT5	228-	228	\$ZVAR.	\$	1.
Imputed EMCS controls anything else	ZEMCSOT5	230-	230	\$ZVAR.	\$	1.
Imputed 1st other equip. controlled EMCS	ZEMCSO15	232-	232	\$ZVAR.	\$	1.
Imputed 2nd other equip. controlled EMCS	ZEMCSO25	234-	234	\$ZVAR.	\$	1.
Imputed other feat. to conserve energy	ZCNSVFT5	236-	236	\$ZVAR.	\$	1.
Imputed 1st other conservation feature	ZCNSVF15	238-	238	\$ZVAR.	\$	1.
Imputed 2nd other conservation feature	ZCNSVF25	240-	240	\$ZVAR.	\$	1.
Imputed 3rd other conservation feature	ZCNSVF35	242-	242	\$ZVAR.	\$	1.
Imputed person responsible HVAC equip.	ZOPHVAC5	244-	244	\$ZVAR.	\$	1.
Imputed oth. person respons. HVAC equip.	ZOPHCOT5	246-	246	\$ZVAR.	\$	1.
Imputed years responsible HVAC equipment	ZOPHCYR5	248-	248	\$ZVAR.	\$	1.
Imputed pct. time/week HVAC equipment	ZOPHCTP5	250-	250	\$ZVAR.	\$	1.

Variable Codes for File 11

```

BLDGID5  'BUILDING IDENTIFIER'
@ Columns 1 7 9999999 @
FEDREG5  'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5     'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP' = 12
'PUBLIC ASSEMBLY' = 13
'EDUCATION' = 14
'FOOD SERVICES' = 15
'HOSPIT/INPAT HLTH SVCS' = 16
'SKIL NURS/RESIDTL CARE' = 17
'HOTEL/MOTEL/DORM' = 18
'RESIDENTIAL' = 19
'INDOOR ENCLSD PARK GAR' = 20
'OTHER' = 21
'ALL ACTIVITIES LT 75%' = 22
'DK IF ONE ACTIV GT 75%' = 98
SQFT5    'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'
@ Columns 14 20 9999999 @
9999998 = DONT KNOW
9999999 = NOT ASCERTAINED
SQFTC5   'GROSS SQUARE FOOTAGE, CATEGORY'
@ Columns 22 23 99 @
'10,000 OR LESS' = 03
'10,001 - 25,000' = 04
'25,001 - 50,000' = 05

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'50,001 - 100,000'	= 06
'100,001 - 200,000'	= 07
'200,001 - 500,000'	= 08
'500,001 - 1 MILLION'	= 09
'OVER 1 MILLION'	= 10
'DONT KNOW'	= 98

YRCONC5 'YEAR CONSTRUCTION COMPLETED (CATEGORY)'

@	Columns	25	26	99	@
'1899 OR BEFORE'					= 01
'1900-1919'					= 02
'1920-1945'					= 03
'1946-1959'					= 04
'1960-1969'					= 05
'1970-1979'					= 06
'1980-1989'					= 07
'1990-1992'					= 08
'1993-1994'					= 09

ELUSED5 'USE ELECTRICITY'

@	Columns	28	28	9	@
'YES'					= 1
'NO'					= 2
'INAPPLICABLE'					= 7
'DONT KNOW'					= 8
'NOT ASCERTAINED'					= 9

NGUSED5 'USE NATURAL GAS'

@	Columns	30	30	9	@
'YES'					= 1
'NO'					= 2
'INAPPLICABLE'					= 7
'DONT KNOW'					= 8
'NOT ASCERTAINED'					= 9

FKUSED5 'USE FUEL OIL, DIESEL, OR KEROSENE'

@	Columns	32	32	9	@
'YES'					= 1
'NO'					= 2
'INAPPLICABLE'					= 7
'DONT KNOW'					= 8
'NOT ASCERTAINED'					= 9

STUSED5 'USE DISTRICT STEAM'

@	Columns	34	34	9	@
'YES'					= 1
'NO'					= 2
'INAPPLICABLE'					= 7
'DONT KNOW'					= 8
'NOT ASCERTAINED'					= 9

HWUSED5 'USE DISTRICT HOT WATER'

@	Columns	36	36	9	@
'YES'					= 1
'NO'					= 2
'INAPPLICABLE'					= 7
'DONT KNOW'					= 8
'NOT ASCERTAINED'					= 9

CWUSED5 'USE DISTRICT CHILLED WATER'

@	Columns	38	38	9	@
'YES'					= 1
'NO'					= 2
'INAPPLICABLE'					= 7
'DONT KNOW'					= 8
'NOT ASCERTAINED'					= 9

TOTWK5 'NUM OF PEOPLE WHO WORK IN BLDG'

@	Columns	40	44	9999	@
99997	=	INAPPLICABLE			
99998	=	DONT KNOW			
99999	=	NOT ASCERTAINED			

STRATUM5 'STRATUM NUMBER'

@	Columns	46	47	99	@
'DOD: WEST VA, VA'					= 01
'DOD: DE, PA'					= 02
'DOD: MD, DIST. OF COL.'					= 03
'NON-DOD: WEST VA, VA'					= 04
'NON-DOD: DE, PA'					= 05
'NON-DOD: MD, DIST. OF COL.'					= 06
'DOD: OK, TX'					= 07
'DOD: NM'					= 08
'DOD: LA, AR'					= 09
'NON-DOD: OK, TX'					= 10
'NON-DOD: NM'					= 11

'NON-DOD: LA, AR'	= 12
'DOD: HI, CA'	= 13
'DOD: AZ, NV'	= 14
'NON-DOD: HI, CA'	= 15
'NON-DOD: AZ, NV'	= 16

```

ADJW5 'BUILDING WEIGHT'
@ Columns 49 60 9999999999 @
ZSW5 'Imputed ability to switch main heating'
@ Columns 62 62 9 @
ZSWHEL5 'Imputed able to switch heat to elec.'
@ Columns 64 64 9 @
ZSWCHNG5 'Imputed able to switch heat to nat. gas'
@ Columns 66 66 9 @
ZSWCHFK5 'Imputed able to switch heat to fuel oil'
@ Columns 68 68 9 @
ZSWCHPR5 'Imputed able to switch heat to propane'
@ Columns 70 70 9 @
ZSWCHST5 'Imputed able to switch heat to steam'
@ Columns 72 72 9 @
ZSWCHHW5 'Imputed able to switch heat to hot wtr.'
@ Columns 74 74 9 @
ZSWCHWO5 'Imputed able to switch heat to wood'
@ Columns 76 76 9 @
ZSWCHOT5 'Imputed able to switch heat to other'
@ Columns 78 78 9 @
ZTESTEC5 'Imputed bldg. uses TES or pump storage'
@ Columns 80 80 9 @
ZPASTEC5 'Imputed bldg. uses passive solar'
@ Columns 82 82 9 @
ZGEOTEC5 'Imputed bldg. uses geothermal energy'
@ Columns 84 84 9 @
ZWELTEC5 'Imputed bldg. uses well water cooling'
@ Columns 86 86 9 @
ZWASTE5 'Imputed bldg. uses waste incineration'
@ Columns 88 88 9 @
ZWNDTEC5 'Imputed bldg. uses wind generation'
@ Columns 90 90 9 @
ZTECOTH5 'Imputed bldg. uses other technology'
@ Columns 92 92 9 @
ZLTOHRP5 'Imputed percent lit'
@ Columns 94 94 9 @
ZLOHRPC5 'Imputed percent lit category'
@ Columns 96 96 9 @
ZLTNHRP5 'Imputed percent lit off-hours'
@ Columns 98 98 9 @
ZLNHRPC5 'Imputed percent lit off-hours category'
@ Columns 100 100 9 @
ZBULB5 'Imputed incandescent bulbs'
@ Columns 102 102 9 @
ZFLUOR5 'Imputed fluorescent lights'
@ Columns 104 104 9 @
ZCFLR5 'Imputed compact fluorescent bulbs used'
@ Columns 106 106 9 @
ZHID5 'Imputed high-intensity discharge lights'
@ Columns 108 108 9 @
ZHEB5 'Imputed use electronic ballast'
@ Columns 110 110 9 @
ZOTLT5 'Imputed any other lighting equipment'
@ Columns 112 112 9 @
ZOTLT15 'Imputed type other lighting equip'
@ Columns 114 114 9 @
ZBULBPC5 'Imputed pct. lit by bulbs category'
@ Columns 116 116 9 @
ZFLRPC5 'Imputed pct. lit fluorescents category'
@ Columns 118 118 9 @
ZCFLRPC5 'Imputed pct. lit comp. fluorescent cat.'
@ Columns 120 120 9 @
ZHIDPC5 'Imputed percent lit by HID lights cat.'
@ Columns 122 122 9 @
ZHEBPC5 'Imputed percent lit by elec. ballast'
@ Columns 124 124 9 @
ZSREF5 'Imputed specular reflectors used'
@ Columns 126 126 9 @
ZDAYCTL5 'Imputed daylighting controls'
@ Columns 128 128 9 @
ZOCSN5 'Imputed occupancy sensors used'
@ Columns 130 130 9 @

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ZTMCK5 'Imputed time clocks/timed switches used'
 @ Columns 132 132 9 @
 ZMNLD5 'Imputed manual dimmer switches used'
 @ Columns 134 134 9 @
 ZOLCN5 'Imputed other light conserv. equip. used'
 @ Columns 136 136 9 @
 ZOLCN15 'Imputed type other light conserv. equip.'
 @ Columns 138 138 9 @
 ZSREFPC5 'Imputed pct. specular reflectors cat.'
 @ Columns 140 140 9 @
 ZDCTLPC5 'Imputed pct. daylighting controls cat.'
 @ Columns 142 142 9 @
 ZOCSNPC5 'Imputed pct. occupancy sensors used cat.'
 @ Columns 144 144 9 @
 ZTMCKPC5 'Imputed pct. time clocks category'
 @ Columns 146 146 9 @
 ZMNLDPC5 'Imputed pct. manual dimmer switches cat.'
 @ Columns 148 148 9 @
 ZLTQRP5 'Imputed retro/purch lt equip w/in 10 yrs'
 @ Columns 150 150 9 @
 ZVAV5 'Imputed VAV system'
 @ Columns 152 152 9 @
 ZVAVINS5 'Imputed VAV system install/add'
 @ Columns 154 154 9 @
 ZVAVDT5 'Imputed when VAV system added'
 @ Columns 156 156 9 @
 ZECN5 'Imputed economizer cycle'
 @ Columns 158 158 9 @
 ZECNINS5 'Imputed economizer cycle installed/added'
 @ Columns 160 160 9 @
 ZECNDT5 'Imputed when economizer cycle added'
 @ Columns 162 162 9 @
 ZRIN5 'Imputed roof or ceiling insulation'
 @ Columns 164 164 9 @
 ZRININS5 'Imputed roof/ceiling insulation inst/add'
 @ Columns 166 166 9 @
 ZRINDT5 'Imputed when roof/ceiling insulation added'
 @ Columns 168 168 9 @
 ZWIN5 'Imputed exterior wall insulation'
 @ Columns 170 170 9 @
 ZWININS5 'Imputed wall insulation installed/added'
 @ Columns 172 172 9 @
 ZWINDT5 'Imputed when wall insulation added'
 @ Columns 174 174 9 @
 ZSTW5 'Imputed storm windows/doors'
 @ Columns 176 176 9 @
 ZSTWINS5 'Imputed storm windows installed/added'
 @ Columns 178 178 9 @
 ZSTWDT5 'Imputed when storm windows added'
 @ Columns 180 180 9 @
 ZTRG5 'Imputed tinted/reflective glass'
 @ Columns 182 182 9 @
 ZTRGINS5 'Imputed tinted/reflec installed/added'
 @ Columns 184 184 9 @
 ZTRGDT5 'Imputed when tint/reflec glass added'
 @ Columns 186 186 9 @
 ZAWN5 'Imputed shadings or awnings'
 @ Columns 188 188 9 @
 ZAWNINS5 'Imputed shadings/awnings install/add'
 @ Columns 190 190 9 @
 ZUTLDSM5 'Imputed utility sponsored DSM past 3 yrs'
 @ Columns 192 192 9 @
 ZBLDDSM5 'Imputed bldg. partic. DSM past 3 years'
 @ Columns 194 194 9 @
 ZPRTD5M5 'Imputed bldg. plans participate in DSM'
 @ Columns 196 196 9 @
 ZAUDIT5 'Imputed energy audit performed'
 @ Columns 198 198 9 @
 ZAUDSPN5 'Imputed sponsor of energy audit'
 @ Columns 200 200 9 @
 ZAUDOTH5 'Imputed other group that sponsored audit'
 @ Columns 202 202 9 @
 ZMAINT5 'Imputed regular maintenance program'
 @ Columns 204 204 9 @
 ZRDHTNF5 'Imputed reduced heating off-hours'
 @ Columns 206 206 9 @
 ZRDCLNF5 'Imputed reduced cooling off-hours'

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@ Columns 208 208 9 @
ZRDHWNF5 'Imputed reduced water heating off-hours'
@ Columns 210 210 9 @
ZRDLTNF5 'Imputed reduced lighting off-hours'
@ Columns 212 212 9 @
ZRDOTNF5 'Imputed reduced other equip. off-hours'
@ Columns 214 214 9 @
ZRDOTH15 'Imputed 1st oth. equip. reduce off-hours'
@ Columns 216 216 9 @
ZRDOTH25 'Imputed 2nd oth. equip. reduce off-hours'
@ Columns 218 218 9 @
ZEMCS5 'Imputed EMCS'
@ Columns 220 220 9 @
ZEMCSHT5 'Imputed EMCS controls heating'
@ Columns 222 222 9 @
ZEMCSCL5 'Imputed EMCS controls cooling'
@ Columns 224 224 9 @
ZEMCSHW5 'Imputed EMCS controls water heating'
@ Columns 226 226 9 @
ZEMCSLT5 'Imputed EMCS controls lighting'
@ Columns 228 228 9 @
ZEMCSOT5 'Imputed EMCS controls anything else'
@ Columns 230 230 9 @
ZEMCSO15 'Imputed 1st other equip. controlled EMCS'
@ Columns 232 232 9 @
ZEMCSO25 'Imputed 2nd other equip. controlled EMCS'
@ Columns 234 234 9 @
ZCNSVFT5 'Imputed other feat. to conserve energy'
@ Columns 236 236 9 @
ZCNSVF15 'Imputed 1st other conservation feature'
@ Columns 238 238 9 @
ZCNSVF25 'Imputed 2nd other conservation feature'
@ Columns 240 240 9 @
ZCNSVF35 'Imputed 3rd other conservation feature'
@ Columns 242 242 9 @
ZOPHVAC5 'Imputed person responsible HVAC equip.'
@ Columns 244 244 9 @
ZOPHCOT5 'Imputed oth. person respons. HVAC equip.'
@ Columns 246 246 9 @
ZOPHCYR5 'Imputed years responsible HVAC equipment'
@ Columns 248 248 9 @
ZOPHCTP5 'Imputed pct. time/week HVAC equipment'
@ Columns 250 250 9 @

```

Layout for File 12: Electricity (FB94F12T.TXT & FB94F12D.DBF)

	Variable Description	Variable Name	Position	
CASEID	Building identifier	BLDGID5	1- 7	\$ 7.
REGION	Building federal region	FEDREG5	9- 9	\$FEDREG. \$ 1.
	Principal building activity	PBA5	11- 12	\$ACTIVITY. \$ 2.
A7	Square footage	SQFT5	14- 20	MISS9CH. 7.
A8	Square footage category	SQFTC5	22- 23	\$SQFTC. \$ 2.
A14	Year of construction category	YRCONC5	25- 26	\$YRCONC. \$ 2.
C1A	Electricity used in 1992	ELUSED5	28- 28	\$YESNO. \$ 1.
C1B	Natural gas used in 1992	NGUSED5	30- 30	\$YESNO. \$ 1.
C1C	Fuel oil used in 1992	FKUSED5	32- 32	\$YESNO. \$ 1.
C1E	District steam used in 1992	STUSED5	34- 34	\$YESNO. \$ 1.
C1F	District hot water in 1992	HWUSED5	36- 36	\$YESNO. \$ 1.
C1G	District chilled water in 1992	CWUSED5	38- 38	\$YESNO. \$ 1.
E18	Number of workers (all shifts)	TOTWK5	40- 44	MISS5CH. 5.
K1A	All electricity generated in building	ELALLG5	46- 46	\$YESNO. \$ 1.
K8	Electricity bill coverage	ELCOVER5	48- 48	\$COVER. \$ 1.
K9	Totl rptd electric usage for this bldg	ELTOT5	50- 60	MISS11CH. 11.
K10	Square footage of all elec use buildings	ELOTSF5	62- 69	MISS8CH. 8.
K11	Total rptd electric usage for all bldgs	ELTOTX5	71- 81	MISS11CH. 11.
K12	Unit of measure for electricity	ELUNIT5	83- 83	\$ELUNIT. \$ 1.
K13	Annual electricity expenditures	ELEXP5	85- 93	MISS9CH. 9.
K14	Elec includes other major outside uses	ELOUSE5	95- 95	\$YESNO. \$ 1.
K16A	Elec use/ expend info src: general	ELSRC5	97- 98	\$GENSRC. \$ 2.
K17	Maintain monthly elec consumption data	ELMON5	100- 100	\$YESNO. \$ 1.
ELECSPU	Annual electricity consumption (kWh)	ELCNS5	102- 112	MISS11CH. 11.
ELECSECU	Annual electricity consumption (mBtu)	ELBTU5	114- 124	MISS11CH. 11.
STRATUM	Variance stratum	STRATUM5	126- 127	\$ 2.
WEIGHT	Adjusted weight	ADJWTS	129- 140	12.

Electricity expenditures imputation	ZELEXP5	142- 142	\$ZVAR.	\$ 1.
Electricity consumption imputation	ZELCNS5	144- 144	\$ZVAR.	\$ 1.

Variable Codes for File 12

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BLDGID5  'BUILDING IDENTIFIER'
@ Columns 1 7 9999999 @
FEDREG5  'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5     'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP' = 12
'PUBLIC ASSEMBLY' = 13
'EDUCATION' = 14
'FOOD SERVICES' = 15
'HOSPIT/INPAT HLTH SVCS' = 16
'SKIL NURS/RESIDTL CARE' = 17
'HOTEL/MOTEL/DORM' = 18
'RESIDENTIAL' = 19
'INDOOR ENCLSD PARK GAR' = 20
'OTHER' = 21
'ALL ACTIVITIES LT 75%' = 22
'DK IF ONE ACTIV GT 75%' = 98
SQFT5    'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'
@ Columns 14 20 9999999 @
9999998 = DONT KNOW
9999999 = NOT ASCERTAINED
SQFTC5    'GROSS SQUARE FOOTAGE, CATEGORY'
@ Columns 22 23 99 @
'10,000 OR LESS' = 03
'10,001 - 25,000' = 04
'25,001 - 50,000' = 05
'50,001 - 100,000' = 06
'100,001 - 200,000' = 07
'200,001 - 500,000' = 08
'500,001 - 1 MILLION' = 09
'OVER 1 MILLION' = 10
'DONT KNOW' = 98
YRCONC5   'YEAR CONSTRUCTION COMPLETED (CATEGORY)'
@ Columns 25 26 99 @
'1899 OR BEFORE' = 01
'1900-1919' = 02
'1920-1945' = 03
'1946-1959' = 04
'1960-1969' = 05
'1970-1979' = 06
'1980-1989' = 07
'1990-1992' = 08
'1993-1994' = 09
ELUSED5   'USE ELECTRICITY'
@ Columns 28 28 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
NGUSED5   'USE NATURAL GAS'
@ Columns 30 30 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8

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      'NOT ASCERTAINED'          = 9
FKUSED5 'USE FUEL OIL, DIESEL, OR KEROSENE'
@ Columns      32      32      9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
STUSED5 'USE DISTRICT STEAM'
@ Columns      34      34      9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
HWUSED5 'USE DISTRICT HOT WATER'
@ Columns      36      36      9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
CWUSED5 'USE DISTRICT CHILLED WATER'
@ Columns      38      38      9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
TOTWK5 'NUM OF PEOPLE WHO WORK IN BLDG'
@ Columns      40      44    99999 @
      99997 = INAPPLICABLE
      99998 = DONT KNOW
      99999 = NOT ASCERTAINED
ELALLG5 'ALL ELECTRICITY GENERATED IN BUILDING'
@ Columns      46      46      9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
ELCOVER5 'ELECTRICITY USE INCL OTHER BUILDINGS'
@ Columns      48      48      9 @
      'ONLY THIS BLDG'          = 1
      'INCLUDES OTHER BLDGS'    = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
ELTOT5 'TOTL RPTD ELECTRIC USAGE FOR THIS BLDG'
@ Columns      50      60    9999999999 @
      9999999997 = INAPPLICABLE
      9999999998 = DONT KNOW
      9999999999 = NOT ASCERTAINED
ELOTSF5 'SQUARE FOOTAGE OF ALL ELEC USE BUILDINGS'
@ Columns      62      69    99999999 @
      99999997 = INAPPLICABLE
      99999998 = DONT KNOW
      99999999 = NOT ASCERTAINED
ELTOTX5 'TOTAL RPRTD ELECTRIC USAGE FOR ALL BLDGS'
@ Columns      71      81    9999999999 @
      9999999997 = INAPPLICABLE
      9999999998 = DONT KNOW
      9999999999 = NOT ASCERTAINED
ELUNIT5 'UNIT OF MEASURE FOR ELECTRICITY'
@ Columns      83      83      9 @
      'MBTUS, 1000 BTUS'        = 1
      'KILOWATT HOURS'          = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
ELEXP5 'TOTAL COST OF ELECTRICITY USAGE'
@ Columns      85      93    999999999 @
      999999997 = INAPPLICABLE
      999999998 = DONT KNOW
      999999999 = NOT ASCERTAINED
ELOUSE5 'ELEC INCLUDES OTHER MAJOR OUTSIDE USES'
@ Columns      95      95      9 @

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'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
ELSRC5 'ELEC USE/EXPEND INFO SRC: GENERAL'
@ Columns 97 98 99 @
'BILLS OR STATEMENTS' = 01
'DERIVE FROM OTHR SRC' = 02
'COMBINATION' = 03
'NOT GET USE/EXPND INFO' = 05
'INAPPLICABLE' = 97
'DONT KNOW' = 98
'NOT ASCERTAINED' = 99
ELMON5 'MAINTAIN MONTHLY ELEC CONSUMPTION DATA'
@ Columns 100 100 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
ELCNS5 'ELEC: STANDARD PHYSICAL UNIT'
@ Columns 102 112 9999999999 @
9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
ELBTU5 'ELEC: STDRD ENRGY CONTNT UNIT, MBTU'
@ Columns 114 124 9999999999 @
9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
STRATUM5 'STRATUM NUMBER'
@ Columns 126 127 99 @
'DOD: WEST VA, VA' = 01
'DOD: DE, PA' = 02
'DOD: MD, DIST. OF COL.' = 03
'NON-DOD: WEST VA, VA' = 04
'NON-DOD: DE, PA' = 05
'NON-DOD: MD, DIST. OF COL.' = 06
'DOD: OK, TX' = 07
'DOD: NM' = 08
'DOD: LA, AR' = 09
'NON-DOD: OK, TX' = 10
'NON-DOD: NM' = 11
'NON-DOD: LA, AR' = 12
'DOD: HI, CA' = 13
'DOD: AZ, NV' = 14
'NON-DOD: HI, CA' = 15
'NON-DOD: AZ, NV' = 16
ADJWT5 'BUILDING WEIGHT'
@ Columns 129 140 9999999999 @
ZELEXP5 'Electricity expenditures imputation'
@ Columns 142 142 9 @
ZELCNS5 'Electricity consumption imputation'
@ Columns 144 144 9 @

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Layout for File 13: Natural Gas (FB94F13T.TXT & FB94F13D.DBF)

	Variable Description	Variable Name	Position	
CASEID	Building identifier	BLDGID5	1- 7	\$ 7.
REGION	Building federal region	FEDREG5	9- 9	\$FEDREG. \$ 1.
	Principal building activity	PBA5	11- 12	\$ACTIVITY. \$ 2.
A7	Square footage	SQFT5	14- 20	MISS9CH. 7.
A8	Square footage category	SQFTC5	22- 23	\$SQFTC. \$ 2.
A14	Year of construction category	YRCONC5	25- 26	\$YRCONC. \$ 2.
C1A	Electricity used in 1992	ELUSED5	28- 28	\$YESNO. \$ 1.
C1B	Natural gas used in 1992	NGUSED5	30- 30	\$YESNO. \$ 1.
C1C	Fuel oil used in 1992	FKUSED5	32- 32	\$YESNO. \$ 1.
C1E	District steam used in 1992	STUSED5	34- 34	\$YESNO. \$ 1.
C1F	District hot water in 1992	HWUSED5	36- 36	\$YESNO. \$ 1.
C1G	District chilled water in 1992	CWUSED5	38- 38	\$YESNO. \$ 1.
E18	Number of workers (all shifts)	TOTWK5	40- 44	MISS5CH. 5.
L8	Natural gas bill coverage	NGCOVER5	46- 46	\$COVER. \$ 1.
L9	Total rptd ngas usage for this building	NGTOT5	48- 58	MISS11CH. 11.

L10	Sq footage of all natural gas use bldgs	NGTTSF5	60-	67	MISS8CH.	8.
L11	Total rptd natl gas usage for all bldgs	NGTOTX5	69-	79	MISS11CH.	11.
L12	Unit of measure for natural gas	NGUNIT5	81-	81	\$NGUNIT.	\$ 1.
L13	Annual natural gas expenditures	NGEXP5	83-	91	MISS9CH.	9.
L14	Natl gas incl other major outside uses	NGOUSE5	93-	93	\$YESNO.	\$ 1.
L16A	Nat gas use/expand info src: general	NGSRC5	95-	96	\$GENSRC.	\$ 2.
L19	Maintain monthly nat gas consmption data	NGMON5	98-	98	\$YESNO.	\$ 1.
NGASSPU	Annual natural gas consumption (ccf)	NGCNS5	100-	110	MISS11CH.	11.
NGASSECU	Annual natural gas consumption (mBtu)	NGBTU5	112-	122	MISS11CH.	11.
STRATUM	Variance stratum	STRATUM5	124-	125		\$ 2.
WEIGHT	Adjusted weight	ADJWT5	127-	138		12.
	Natural gas expenditures imputation	ZNGEXP5	140-	140	\$ZVAR.	\$ 1.
	Imputed natl gas incl other outside uses	ZNGOUSE5	142-	142	\$ZVAR.	\$ 1.
	Imputed other major natl gas uses: 1st	ZNGOUS15	144-	144	\$ZVAR.	\$ 1.
	Imputed nat gas use/expand info src: gen	ZNGSRC5	146-	146	\$ZVAR.	\$ 1.
	Imputed maintain monthly nat gas data	ZNGMON5	148-	148	\$ZVAR.	\$ 1.
	Natural gas consumption imputation	ZNGCNS5	150-	150	\$ZVAR.	\$ 1.
	Imputed total fuel oil for this bldg	ZFKTOT5	152-	152	\$ZVAR.	\$ 1.
	Imputed sq ft of all fuel oil bldgs	ZFKOTSF5	154-	154	\$ZVAR.	\$ 1.
	Imputed total fuel oil for all bldgs	ZFKTOTX5	156-	156	\$ZVAR.	\$ 1.
	Imputed unit of measure for fuel oil	ZFKUNIT5	158-	158	\$ZVAR.	\$ 1.

Variable Codes for File 13

```

BLDGID5 'BUILDING IDENTIFIER'
@ Columns 1 7 9999999 @
FEDREG5 'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5 'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP' = 12
'PUBLIC ASSEMBLY' = 13
'EDUCATION' = 14
'FOOD SERVICES' = 15
'HOSPIT/INPAT HLTH SVCS' = 16
'SKIL NURS/RESIDTL CARE' = 17
'HOTEL/MOTEL/DORM' = 18
'RESIDENTIAL' = 19
'INDOOR ENCLSD PARK GAR' = 20
'OTHER' = 21
'ALL ACTIVITIES LT 75%' = 22
'DK IF ONE ACTIV GT 75%' = 98
SQFT5 'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'
@ Columns 14 20 9999999 @
9999998 = DONT KNOW
9999999 = NOT ASCERTAINED
SQFTC5 'GROSS SQUARE FOOTAGE, CATEGORY'
@ Columns 22 23 99 @
'10,000 OR LESS' = 03
'10,001 - 25,000' = 04
'25,001 - 50,000' = 05
'50,001 - 100,000' = 06
'100,001 - 200,000' = 07
'200,001 - 500,000' = 08
'500,001 - 1 MILLION' = 09
'OVER 1 MILLION' = 10
'DONT KNOW' = 98
YRCONC5 'YEAR CONSTRUCTION COMPLETED (CATEGORY)'
@ Columns 25 26 99 @
'1899 OR BEFORE' = 01
'1900-1919' = 02
'1920-1945' = 03

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'1946-1959'           = 04
'1960-1969'           = 05
'1970-1979'           = 06
'1980-1989'           = 07
'1990-1992'           = 08
'1993-1994'           = 09
ELUSED5 'USE ELECTRICITY'
@ Columns 28 28 9 @
'YES'                 = 1
'NO'                  = 2
'INAPPLICABLE'        = 7
'DONT KNOW'           = 8
'NOT ASCERTAINED'     = 9
NGUSED5 'USE NATURAL GAS'
@ Columns 30 30 9 @
'YES'                 = 1
'NO'                  = 2
'INAPPLICABLE'        = 7
'DONT KNOW'           = 8
'NOT ASCERTAINED'     = 9
FKUSED5 'USE FUEL OIL, DIESEL, OR KEROSENE'
@ Columns 32 32 9 @
'YES'                 = 1
'NO'                  = 2
'INAPPLICABLE'        = 7
'DONT KNOW'           = 8
'NOT ASCERTAINED'     = 9
STUSED5 'USE DISTRICT STEAM'
@ Columns 34 34 9 @
'YES'                 = 1
'NO'                  = 2
'INAPPLICABLE'        = 7
'DONT KNOW'           = 8
'NOT ASCERTAINED'     = 9
HWUSED5 'USE DISTRICT HOT WATER'
@ Columns 36 36 9 @
'YES'                 = 1
'NO'                  = 2
'INAPPLICABLE'        = 7
'DONT KNOW'           = 8
'NOT ASCERTAINED'     = 9
CWUSED5 'USE DISTRICT CHILLED WATER'
@ Columns 38 38 9 @
'YES'                 = 1
'NO'                  = 2
'INAPPLICABLE'        = 7
'DONT KNOW'           = 8
'NOT ASCERTAINED'     = 9
TOTWK5 'NUM OF PEOPLE WHO WORK IN BLDG'
@ Columns 40 44 99999 @
99997 = INAPPLICABLE
99998 = DONT KNOW
99999 = NOT ASCERTAINED
NGCOVER5 'NATURAL GAS USE INCL OTHER BUILDINGS'
@ Columns 46 46 9 @
'ONLY THIS BLDG'      = 1
'INCLUDES OTHER BLDGS' = 2
'INAPPLICABLE'        = 7
'DONT KNOW'           = 8
'NOT ASCERTAINED'     = 9
NGTOT5 'TOTAL RPRTD NGAS USAGE FOR THIS BUILDING'
@ Columns 48 58 999999999 @
9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
NGOTSF5 'SQ FOOTAGE OF ALL NATURAL GAS USE BLDGS'
@ Columns 60 67 9999999 @
99999997 = INAPPLICABLE
99999998 = DONT KNOW
99999999 = NOT ASCERTAINED
NGTOTX5 'TOTAL RPRTD NATL GAS USAGE FOR ALL BLDGS'
@ Columns 69 79 999999999 @
9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
NGUNIT5 'UNIT OF MEASURE FOR NATURAL GAS'
@ Columns 81 81 9 @

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      'CCF, 100 CF'           = 1
      'MCF, 1000 CF'          = 2
      'THERMS'                 = 3
      'INAPPLICABLE'          = 7
      'DONT KNOW'              = 8
      'NOT ASCERTAINED'       = 9
NGEXP5  'TOTAL COST OF NATURAL GAS USAGE'
      @ Columns 83 91 999999999 @
      999999997 = INAPPLICABLE
      999999998 = DONT KNOW
      999999999 = NOT ASCERTAINED
NGOUSE5 'NATL GAS INCL OTHER MAJOR OUTSIDE USES'
      @ Columns 93 93 9 @
      'YES'                 = 1
      'NO'                   = 2
      'INAPPLICABLE'        = 7
      'DONT KNOW'           = 8
      'NOT ASCERTAINED'     = 9
NGSRC5  'NAT GAS USE/EXPEND INFO SRC: GENERAL'
      @ Columns 95 96 99 @
      'BILLS OR STATEMENTS' = 01
      'DERIVE FROM OTHR SRC' = 02
      'COMBINATION'          = 03
      'NOT GET USE/EXPND INFO' = 05
      'INAPPLICABLE'        = 97
      'DONT KNOW'           = 98
      'NOT ASCERTAINED'     = 99
NGMON5  'MAINTAIN MONTHLY NAT GAS CONSMPTION DATA'
      @ Columns 98 98 9 @
      'YES'                 = 1
      'NO'                   = 2
      'INAPPLICABLE'        = 7
      'DONT KNOW'           = 8
      'NOT ASCERTAINED'     = 9
NGCNS5  'NAT GAS: STANDARD PHYSICAL UNIT'
      @ Columns 100 110 9999999999 @
      9999999997 = INAPPLICABLE
      9999999998 = DONT KNOW
      9999999999 = NOT ASCERTAINED
NGBTU5  'NAT GAS: STDRD ENRGY CONTNT UNIT, MBTU'
      @ Columns 112 122 9999999999 @
      9999999997 = INAPPLICABLE
      9999999998 = DONT KNOW
      9999999999 = NOT ASCERTAINED
STRATUM5 'STRATUM NUMBER'
      @ Columns 124 125 99 @
      'DOD: WEST VA, VA'     = 01
      'DOD: DE, PA'          = 02
      'DOD: MD, DIST. OF COL.' = 03
      'NON-DOD: WEST VA, VA'  = 04
      'NON-DOD: DE, PA'      = 05
      'NON-DOD: MD, DIST. OF COL.' = 06
      'DOD: OK, TX'          = 07
      'DOD: NM'              = 08
      'DOD: LA, AR'          = 09
      'NON-DOD: OK, TX'      = 10
      'NON-DOD: NM'          = 11
      'NON-DOD: LA, AR'      = 12
      'DOD: HI, CA'          = 13
      'DOD: AZ, NV'          = 14
      'NON-DOD: HI, CA'      = 15
      'NON-DOD: AZ, NV'      = 16
ADJWT5  'BUILDING WEIGHT'
      @ Columns 127 138 99999999999 @
ZNGEXP5 'Natural gas expenditures imputation'
      @ Columns 140 140 9 @
ZNGOUSE5 'Imputed natl gas incl other outside uses'
      @ Columns 142 142 9 @
ZNGOUS15 'Imputed other major natl gas uses: 1st'
      @ Columns 144 144 9 @
ZNGSRC5  'Imputed nat gas use/expend info src: gen'
      @ Columns 146 146 9 @
ZNGMON5  'Imputed maintain monthly nat gas data'
      @ Columns 148 148 9 @
ZNGCNS5  'Natural gas consumption imputation'
      @ Columns 150 150 9 @
ZFKTOT5  'Imputed total fuel oil for this bldg'

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@ Columns 152 152 9 @
ZFKOTSF5 'Imputed sq ft of all fuel oil bldgs'
@ Columns 154 154 9 @
ZFKTOTX5 'Imputed total fuel oil for all bldgs'
@ Columns 156 156 9 @
ZFKUNIT5 'Imputed unit of measure for fuel oil'
@ Columns 158 158 9 @

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Layout for File 14: Fuel Oil (FB94F14T.TXT & FB94F14D.DBF)

	Variable Description	Variable Name	Position	
CASEID	Building identifier	BLDGID5	1- 7	\$ 7.
REGION	Building federal region	FEDREG5	9- 9	\$ 1.
	Principal building activity	PBA5	11- 12	\$ 2.
A7	Square footage	SQFT5	14- 20	MISS9CH. 7.
A8	Square footage category	SQFTC5	22- 23	\$SQFTC. \$ 2.
A14	Year of construction category	YRCONC5	25- 26	\$YRCONC. \$ 2.
C1A	Electricity used in 1992	ELUSED5	28- 28	\$YESNO. \$ 1.
C1B	Natural gas used in 1992	NGUSED5	30- 30	\$YESNO. \$ 1.
C1C	Fuel oil used in 1992	FKUSED5	32- 32	\$YESNO. \$ 1.
C1E	District steam used in 1992	STUSED5	34- 34	\$YESNO. \$ 1.
C1F	District hot water in 1992	HWUSED5	36- 36	\$YESNO. \$ 1.
C1G	District chilled water in 1992	CWUSED5	38- 38	\$YESNO. \$ 1.
E18	Number of workers (all shifts)	TOTWK5	40- 44	MISS5CH. 5.
M8	Fuel oil bill coverage	FKCOVER5	46- 46	\$COVER. \$ 1.
M9	Total rprrtd fuel oil usage for this bldg	FKTOT5	48- 58	MISS11CH. 11.
M10	Sq footage of all fuel oil use buildings	FKOTSF5	60- 67	MISS8CH. 8.
M11	Total rprrtd fuel oil usage for all bldgs	FKTOTX5	69- 79	MISS11CH. 11.
M12	Unit of measure for fuel oil	FKUNIT5	81- 81	\$FKUNIT. \$ 1.
M13	Annual fuel oil expenditures	FKEXP5	83- 91	MISS9CH. 9.
M14	Fuel oil incl other major outside uses	FKOUSE5	93- 93	\$YESNO. \$ 1.
M16A	Fuel oil use/expnd info src: general	FKSRC5	95- 96	\$GENSRC. \$ 2.
M17	Maintain monthly fuel oil consump data	FKMON5	98- 98	\$YESNO. \$ 1.
OILSPU	Annual fuel oil deliveries (gals.)	FKCNS5	100- 110	MISS11CH. 11.
OILSECU	Annual fuel oil deliveries (mBtu)	FKBTU5	112- 122	MISS11CH. 11.
STRATUM	Variance stratum	STRATUM5	124- 125	\$ 2.
WEIGHT	Adjusted weight	ADJWT5	127- 138	12.
	Fuel oil expenditures imputation	ZFKEXP5	140- 140	\$ZVAR. \$ 1.
	Imputed fuel oil incl other outside uses	ZFKOUSE5	142- 142	\$ZVAR. \$ 1.
	Imputed other major fuel oil uses: 1st	ZFKOUS15	144- 144	\$ZVAR. \$ 1.
	Imputed fuel oil use/expnd info src: gen	ZFKSRC5	146- 146	\$ZVAR. \$ 1.
	Imputed maintain monthly fuel oil data	ZFKMON5	148- 148	\$ZVAR. \$ 1.
	Fuel oil deliveries imputation	ZFKCNS5	150- 150	\$ZVAR. \$ 1.
	Imputed total stm usage for this bldg	ZSTTOT5	152- 152	\$ZVAR. \$ 1.
	Imputed sq ft of all steam use bldgs	ZSTOTSF5	154- 154	\$ZVAR. \$ 1.
	Imputed total stm usage for all bldgs	ZSTTOTX5	156- 156	\$ZVAR. \$ 1.
	Imputed unit of measure for steam	ZSTUNIT5	158- 158	\$ZVAR. \$ 1.

Variable Codes for File 14

```

BLDGID5 'BUILDING IDENTIFIER'
@ Columns 1 7 9999999 @
FEDREG5 'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5 'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP' = 12
'PUBLIC ASSEMBLY' = 13
'EDUCATION' = 14

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'FOOD SERVICES'	=	15
'HOSPIT/INPAT HLTH SVCS'	=	16
'SKIL NURS/RESIDTL CARE'	=	17
'HOTEL/MOTEL/DORM'	=	18
'RESIDENTIAL'	=	19
'INDOOR ENCLSD PARK GAR'	=	20
'OTHER'	=	21
'ALL ACTIVITIES LT 75%'	=	22
'DK IF ONE ACTIV GT 75%'	=	98
SQFT5	'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'	
@	Columns 14 20 9999999 @	
	9999998 = DONT KNOW	
	9999999 = NOT ASCERTAINED	
SQFTC5	'GROSS SQUARE FOOTAGE, CATEGORY'	
@	Columns 22 23 99 @	
	'10,000 OR LESS'	= 03
	'10,001 - 25,000'	= 04
	'25,001 - 50,000'	= 05
	'50,001 - 100,000'	= 06
	'100,001 - 200,000'	= 07
	'200,001 - 500,000'	= 08
	'500,001 - 1 MILLION'	= 09
	'OVER 1 MILLION'	= 10
	'DONT KNOW'	= 98
YRCONC5	'YEAR CONSTRUCTION COMPLETED (CATEGORY)'	
@	Columns 25 26 99 @	
	'1899 OR BEFORE'	= 01
	'1900-1919'	= 02
	'1920-1945'	= 03
	'1946-1959'	= 04
	'1960-1969'	= 05
	'1970-1979'	= 06
	'1980-1989'	= 07
	'1990-1992'	= 08
	'1993-1994'	= 09
ELUSED5	'USE ELECTRICITY'	
@	Columns 28 28 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
NGUSED5	'USE NATURAL GAS'	
@	Columns 30 30 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
FKUSED5	'USE FUEL OIL, DIESEL, OR KEROSENE'	
@	Columns 32 32 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
STUSED5	'USE DISTRICT STEAM'	
@	Columns 34 34 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
HWUSED5	'USE DISTRICT HOT WATER'	
@	Columns 36 36 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
CWUSED5	'USE DISTRICT CHILLED WATER'	
@	Columns 38 38 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9

TOTWK5 'NUM OF PEOPLE WHO WORK IN BLDG'
 @ Columns 40 44 99999 @
 99997 = INAPPLICABLE
 99998 = DONT KNOW
 99999 = NOT ASCERTAINED

FKCOVER5 'FUEL OIL USE INCLUDES OTHER BUILDINGS'
 @ Columns 46 46 9 @
 'ONLY THIS BLDG' = 1
 'INCLUDES OTHER BLDGS' = 2
 'INAPPLICABLE' = 7
 'DONT KNOW' = 8
 'NOT ASCERTAINED' = 9

FKTOT5 'TOTAL RPRTD FUEL OIL USAGE FOR THIS BLDG'
 @ Columns 48 58 999999999 @
 9999999997 = INAPPLICABLE
 9999999998 = DONT KNOW
 9999999999 = NOT ASCERTAINED

FKOTSF5 'SQ FOOTAGE OF ALL FUEL OIL USE BUILDINGS'
 @ Columns 60 67 9999999 @
 99999997 = INAPPLICABLE
 99999998 = DONT KNOW
 99999999 = NOT ASCERTAINED

FKTOTX5 'TOTAL RPRTD FUEL OIL USAGE FOR ALL BLDGS'
 @ Columns 69 79 999999999 @
 9999999997 = INAPPLICABLE
 9999999998 = DONT KNOW
 9999999999 = NOT ASCERTAINED

FKUNIT5 'UNIT OF MEASURE FOR FUEL OIL'
 @ Columns 81 81 9 @
 'GALLONS' = 1
 'BARRELS' = 2
 'INAPPLICABLE' = 7
 'DONT KNOW' = 8
 'NOT ASCERTAINED' = 9

FKEXP5 'TOTAL COST OF FUEL OIL USAGE'
 @ Columns 83 91 999999999 @
 999999997 = INAPPLICABLE
 999999998 = DONT KNOW
 999999999 = NOT ASCERTAINED

FKOUSE5 'FUEL OIL INCL OTHER MAJOR OUTSIDE USES'
 @ Columns 93 93 9 @
 'YES' = 1
 'NO' = 2
 'INAPPLICABLE' = 7
 'DONT KNOW' = 8
 'NOT ASCERTAINED' = 9

FKSRC5 'FUEL OIL USE/EXPND INFO SRC: GENERAL'
 @ Columns 95 96 99 @
 'BILLS OR STATEMENTS' = 01
 'DERIVE FROM OTHR SRC' = 02
 'COMBINATION' = 03
 'NOT GET USE/EXPND INFO' = 05
 'INAPPLICABLE' = 97
 'DONT KNOW' = 98
 'NOT ASCERTAINED' = 99

FKMON5 'MAINTAIN MONTHLY FUEL OIL CONSUMP DATA'
 @ Columns 98 98 9 @
 'YES' = 1
 'NO' = 2
 'INAPPLICABLE' = 7
 'DONT KNOW' = 8
 'NOT ASCERTAINED' = 9

FKCNS5 'FUEL OIL: STANDARD PHYSICAL UNIT'
 @ Columns 100 110 999999999 @
 9999999997 = INAPPLICABLE
 9999999998 = DONT KNOW
 9999999999 = NOT ASCERTAINED

FKBTU5 'FUEL OIL: STDRD ENRGY CONTNT UNIT, MBTU'
 @ Columns 112 122 999999999 @
 9999999997 = INAPPLICABLE
 9999999998 = DONT KNOW
 9999999999 = NOT ASCERTAINED

STRATUM5 'STRATUM NUMBER'
 @ Columns 124 125 99 @
 'DOD: WEST VA, VA' = 01
 'DOD: DE, PA' = 02
 'DOD: MD, DIST. OF COL.' = 03

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'NON-DOD: WEST VA, VA'      = 04
'NON-DOD: DE, PA'           = 05
'NON-DOD: MD, DIST. OF COL.' = 06
'DOD: OK, TX'               = 07
'DOD: NM'                   = 08
'DOD: LA, AR'               = 09
'NON-DOD: OK, TX'           = 10
'NON-DOD: NM'               = 11
'NON-DOD: LA, AR'           = 12
'DOD: HI, CA'               = 13
'DOD: AZ, NV'               = 14
'NON-DOD: HI, CA'           = 15
'NON-DOD: AZ, NV'           = 16
ADJWT5 'BUILDING WEIGHT'
@ Columns 127 138 99999999999 @
ZFKEXP5 'Fuel oil expenditures imputation'
@ Columns 140 140 9 @
ZFKOUSE5 'Imputed fuel oil incl other outside uses'
@ Columns 142 142 9 @
ZFKOUS15 'Imputed other major fuel oil uses: 1st'
@ Columns 144 144 9 @
ZFKSRC5 'Imputed fuel oil use/expnd info src: gen'
@ Columns 146 146 9 @
ZFKMON5 'Imputed maintain monthly fuel oil data'
@ Columns 148 148 9 @
ZFKCNS5 'Fuel oil deliveries imputation'
@ Columns 150 150 9 @
ZSTTOT5 'Imputed total stm usage for this bldg'
@ Columns 152 152 9 @
ZSTOTSF5 'Imputed sq ft of all steam use bldgs'
@ Columns 154 154 9 @
ZSTTOTX5 'Imputed total stm usage for all bldgs'
@ Columns 156 156 9 @
ZSTUNIT5 'Imputed unit of measure for steam'
@ Columns 158 158 9 @

```

Layout for File 15: District Heat (FB94F15T.TXT & FB94F15D.DBF)

	Variable Description	Variable Name	Position	
CASEID	Building identifier	BLDGID5	1- 7	\$ 7.
REGION	Building federal region	FEDREG5	9- 9	\$FEDREG. \$ 1.
	Principal building activity	PBA5	11- 12	\$ACTIVITY. \$ 2.
A7	Square footage	SQFT5	14- 20	MISS9CH. 7.
A8	Square footage category	SQFTC5	22- 23	\$SQFTC. \$ 2.
A14	Year of construction category	YRCONC5	25- 26	\$YRCONC. \$ 2.
C1A	Electricity used in 1992	ELUSED5	28- 28	\$YESNO. \$ 1.
C1B	Natural gas used in 1992	NGUSED5	30- 30	\$YESNO. \$ 1.
C1C	Fuel oil used in 1992	FKUSED5	32- 32	\$YESNO. \$ 1.
C1E	District steam used in 1992	STUSED5	34- 34	\$YESNO. \$ 1.
C1F	District hot water in 1992	HWUSED5	36- 36	\$YESNO. \$ 1.
C1G	District chilled water in 1992	CWUSED5	38- 38	\$YESNO. \$ 1.
E18	Number of workers (all shifts)	TOTWK5	40- 44	MISS5CH. 5.
N8	District steam bill coverage	STCOVER5	46- 46	\$COVER. \$ 1.
N9	Total rptd dist stm usage for this bldg	STTOT5	48- 58	MISS11CH. 11.
N10	Sq footage of all dist steam use bldgs	STOTSF5	60- 67	MISS8CH. 8.
N11	Total rptd dist stm usage for all bldgs	STTOTX5	69- 79	MISS11CH. 11.
N12	Unit of measure for district steam	STUNIT5	81- 81	\$STUNIT. \$ 1.
N13	Annual steam expenditures	STEXP5	83- 91	MISS9CH. 9.
N16A	Dist stm use/expnd info src: general	STSRC5	93- 94	\$GENSRC. \$ 2.
N17	Maintain monthly dist steam consump data	STMON5	96- 96	\$YESNO. \$ 1.
DSSPU	Annual steam consumption (mlbs.)	STCNS5	98- 108	MISS11CH. 11.
O8	District hot water bill coverage	HWCVER5	110- 110	\$COVER. \$ 1.
O9	Total rptd dist hw usage for this bldg	HWTOT5	112- 122	MISS11CH. 11.
O10	Sq footage of all dist hw use buildings	HWOTSF5	124- 131	MISS8CH. 8.
O11	Total rptd dist hw usage for all bldgs	HWTOTX5	133- 143	MISS11CH. 11.
O12	Unit of measure for district hot water	HWUNIT5	145- 145	\$HWUNIT. \$ 1.
O13	Annual hot water expenditures	HWEXP5	147- 155	MISS9CH. 9.
O16A	Dist hw use/expnd info src: general	HWSRC5	157- 158	\$GENSRC. \$ 2.
O17	Maintain monthly dist hw consump data	HWMON5	160- 160	\$YESNO. \$ 1.
DHWSPU	Annual hot water consumption (mlbs.)	HWCNS5	162- 172	MISS11CH. 11.
STRATUM	Variance stratum	STRATUM5	174- 175	\$ 2.
WEIGHT	Adjusted weight	ADJWT5	177- 188	12.
	Annual district heat expenditures	DHEXP5	190- 198	MISS9CH. 9.
	Annual district heat consumption (mlbs.)	DHCNS5	200- 210	MISS11CH. 11.

Annual district heat consumption (mBtu)	DHBTU5	212-	222	MISS11CH.	11.
Steam expenditures imputation	ZSTEXP5	224-	224	\$ZVAR.	\$ 1.
Imputed stm use/expnd info src: genrl	ZSTSRC5	226-	226	\$ZVAR.	\$ 1.
Imputed maintain monthly steam data	ZSTMON5	228-	228	\$ZVAR.	\$ 1.
Steam consumption imputation	ZSTCNS5	230-	230	\$ZVAR.	\$ 1.
Imputed total dist hw for this bldg	ZHWTOT5	232-	232	\$ZVAR.	\$ 1.
Imputed sq ft of all hw use buildings	ZHWOTSF5	234-	234	\$ZVAR.	\$ 1.
Imputed total hw usage for all bldgs	ZHWTOTX5	236-	236	\$ZVAR.	\$ 1.
Imputed unit of measure for hot water	ZHWUNIT5	238-	238	\$ZVAR.	\$ 1.
Hot water expenditures imputation	ZHWEXP5	240-	240	\$ZVAR.	\$ 1.
Imputed dist hw use/expnd info src: gen	ZHWSRC5	242-	242	\$ZVAR.	\$ 1.
Imputed maintain monthly dist hw data	ZHWMON5	244-	244	\$ZVAR.	\$ 1.
Hot water consumption imputation	ZHWCNS5	246-	246	\$ZVAR.	\$ 1.
Imputed maintain monthly lpg data	ZPRMON5	248-	248	\$ZVAR.	\$ 1.
District heat expenditures imputation	ZDHEXP5	250-	250	\$ZVAR.	\$ 1.
District heat consumption imputation	ZDHCNS5	252-	252	\$ZVAR.	\$ 1.

Variable Codes for File 15

```

BLDGID5 'BUILDING IDENTIFIER'
@ Columns 1 7 999999 @
FEDREG5 'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5 'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP' = 12
'PUBLIC ASSEMBLY' = 13
'EDUCATION' = 14
'FOOD SERVICES' = 15
'HOSPIT/INPAT HLTH SVCS' = 16
'SKIL NURS/RESIDTL CARE' = 17
'HOTEL/MOTEL/DORM' = 18
'RESIDENTIAL' = 19
'INDOOR ENCLSD PARK GAR' = 20
'OTHER' = 21
'ALL ACTIVITIES LT 75%' = 22
'DK IF ONE ACTIV GT 75%' = 98
SQFT5 'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'
@ Columns 14 20 999999 @
9999998 = DONT KNOW
9999999 = NOT ASCERTAINED
SQFTC5 'GROSS SQUARE FOOTAGE, CATEGORY'
@ Columns 22 23 99 @
'10,000 OR LESS' = 03
'10,001 - 25,000' = 04
'25,001 - 50,000' = 05
'50,001 - 100,000' = 06
'100,001 - 200,000' = 07
'200,001 - 500,000' = 08
'500,001 - 1 MILLION' = 09
'OVER 1 MILLION' = 10
'DONT KNOW' = 98
YRCONC5 'YEAR CONSTRUCTION COMPLETED (CATEGORY)'
@ Columns 25 26 99 @
'1899 OR BEFORE' = 01
'1900-1919' = 02
'1920-1945' = 03
'1946-1959' = 04
'1960-1969' = 05
'1970-1979' = 06
'1980-1989' = 07
'1990-1992' = 08

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'1993-1994' = 09
ELUSED5 'USE ELECTRICITY'
@ Columns 28 28 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
NGUSED5 'USE NATURAL GAS'
@ Columns 30 30 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
FKUSED5 'USE FUEL OIL, DIESEL, OR KEROSENE'
@ Columns 32 32 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
STUSED5 'USE DISTRICT STEAM'
@ Columns 34 34 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
HWUSED5 'USE DISTRICT HOT WATER'
@ Columns 36 36 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
CWUSED5 'USE DISTRICT CHILLED WATER'
@ Columns 38 38 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
TOTWK5 'NUM OF PEOPLE WHO WORK IN BLDG'
@ Columns 40 44 99999 @
99997 = INAPPLICABLE
99998 = DONT KNOW
99999 = NOT ASCERTAINED
STCOVER5 'DISTRICT STEAM USE INCL OTHER BUILDINGS'
@ Columns 46 46 9 @
'ONLY THIS BLDG' = 1
'INCLUDES OTHER BLDGS' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
STTOT5 'TOTAL RPRTD DIST STM USAGE FOR THIS BLDG'
@ Columns 48 58 999999999 @
9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
STOTSF5 'SQ FOOTAGE OF ALL DIST STEAM USE BLDGS'
@ Columns 60 67 9999999 @
99999997 = INAPPLICABLE
99999998 = DONT KNOW
99999999 = NOT ASCERTAINED
STTOTX5 'TOTAL RPRTD DIST STM USAGE FOR ALL BLDGS'
@ Columns 69 79 999999999 @
9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
STUNIT5 'UNIT OF MEASURE FOR DISTRICT STEAM'
@ Columns 81 81 9 @
'MBTUS, 1000 BTUS' = 1
'POUNDS' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9

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STEXP5  'TOTAL COST OF DISTRICT STEAM USAGE'
@ Columns 83 91 99999999 @
999999997 = INAPPLICABLE
999999998 = DONT KNOW
999999999 = NOT ASCERTAINED
STSRC5  'DIST STM USE/EXPND INFO SRC: GENERAL'
@ Columns 93 94 99 @
'BILLS OR STATEMENTS' = 01
'DERIVE FROM OTHR SRC' = 02
'COMBINATION' = 03
'NOT GET USE/EXPND INFO' = 05
'INAPPLICABLE' = 97
'DONT KNOW' = 98
'NOT ASCERTAINED' = 99
STMON5  'MAINTAIN MONTHLY DIST STEAM CONSUMP DATA'
@ Columns 96 96 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
STCNS5  'DIST STM: STANDARD PHYSICAL UNIT'
@ Columns 98 108 999999999 @
9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
HWCOVER5 'DIST HOT WATER USE INCL OTHER BUILDINGS'
@ Columns 110 110 9 @
'ONLY THIS BLDG' = 1
'INCLUDES OTHER BLDGS' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
HWTOT5  'TOTAL RPRTD DIST HW USAGE FOR THIS BLDG'
@ Columns 112 122 999999999 @
9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
HWOTSF5 'SQ FOOTAGE OF ALL DIST HW USE BUILDINGS'
@ Columns 124 131 9999999 @
99999997 = INAPPLICABLE
99999998 = DONT KNOW
99999999 = NOT ASCERTAINED
HWTOTX5 'TOTAL RPRTD DIST HW USAGE FOR ALL BLDGS'
@ Columns 133 143 999999999 @
9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
HWUNIT5 'UNIT OF MEASURE FOR DISTRICT HOT WATER'
@ Columns 145 145 9 @
'MBTUS, 1000 BTUS' = 1
'POUNDS' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
HWEXP5  'TOTAL COST OF DISTRICT HOT WATER USAGE'
@ Columns 147 155 99999999 @
999999997 = INAPPLICABLE
999999998 = DONT KNOW
999999999 = NOT ASCERTAINED
HWSRC5  'DIST HW USE/EXPND INFO SRC: GENERAL'
@ Columns 157 158 99 @
'BILLS OR STATEMENTS' = 01
'DERIVE FROM OTHR SRC' = 02
'COMBINATION' = 03
'NOT GET USE/EXPND INFO' = 05
'INAPPLICABLE' = 97
'DONT KNOW' = 98
'NOT ASCERTAINED' = 99
HWMON5  'MAINTAIN MONTHLY DIST HW CONSUMP DATA'
@ Columns 160 160 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
HWCNS5  'DIST HW: STANDARD PHYSICAL UNIT'

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@ Columns 162 172 9999999999 @
9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
STRATUM5 'STRATUM NUMBER'
@ Columns 174 175 99 @
'DOD: WEST VA, VA' = 01
'DOD: DE, PA' = 02
'DOD: MD, DIST. OF COL.' = 03
'NON-DOD: WEST VA, VA' = 04
'NON-DOD: DE, PA' = 05
'NON-DOD: MD, DIST. OF COL.' = 06
'DOD: OK, TX' = 07
'DOD: NM' = 08
'DOD: LA, AR' = 09
'NON-DOD: OK, TX' = 10
'NON-DOD: NM' = 11
'NON-DOD: LA, AR' = 12
'DOD: HI, CA' = 13
'DOD: AZ, NV' = 14
'NON-DOD: HI, CA' = 15
'NON-DOD: AZ, NV' = 16
ADJWT5 'BUILDING WEIGHT'
@ Columns 177 188 9999999999 @
DHEXP5 'TOTAL COST OF DISTRICT HEAT USAGE'
@ Columns 190 198 999999999 @
RANGE = 1 TO 999999994

9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
DHCNS5 'DIST HEAT: STANDARD PHYSICAL UNIT'
@ Columns 200 210 9999999999 @
RANGE = 2 TO 11906000

9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
DHBTU5 'DIST HEAT: STDRD ENRGY CONTNT UNIT, MBTU'
@ Columns 212 222 9999999999 @
RANGE = 1620 TO 11906000000

9999999997 = INAPPLICABLE
9999999998 = DONT KNOW
9999999999 = NOT ASCERTAINED
ZSTEXP5 'Steam expenditures imputation'
@ Columns 224 224 9 @
ZSTSRC5 'Imputed stm use/expnd info src: genrl'
@ Columns 226 226 9 @
ZSTMON5 'Imputed maintain monthly steam data'
@ Columns 228 228 9 @
ZSTCNS5 'Steam consumption imputation'
@ Columns 230 230 9 @
ZHWTOT5 'Imputed total dist hw for this bldg'
@ Columns 232 232 9 @
ZHWOTSF5 'Imputed sq ft of all hw use buildings'
@ Columns 234 234 9 @
ZHWTOTX5 'Imputed total hw usage for all bldgs'
@ Columns 236 236 9 @
ZHWUNIT5 'Imputed unit of measure for hot water'
@ Columns 238 238 9 @
ZHWEXP5 'Hot water expenditures imputation'
@ Columns 240 240 9 @
ZHWSRC5 'Imputed dist hw use/expnd info src: gen'
@ Columns 242 242 9 @
ZHWMON5 'Imputed maintain monthly dist hw data'
@ Columns 244 244 9 @
ZHWCNS5 'Hot water consumption imputation'
@ Columns 246 246 9 @
ZPRMON5 'Imputed maintain monthly lpg data'
@ Columns 248 248 9 @
ZDHEXP5 'District heat exp. imputation'
@ Columns 250 250 9 @
ZDHCNS5 'District heat cons. imputation'
@ Columns 252 252 9 @

```

Layout for File 16: Imputation Flags for -- Motors, DSM Programs
(FB94F16T.TXT & FB94F16D.DBF)

Variable Description		Variable Name Position			
CASEID	Building identifier	BLDGID5	1-	7	\$ 7.
REGION	Building federal region	FEDREG5	9-	9	\$FEDREG. \$ 1.
	Principal building activity	PBA5	11-	12	\$ACTIVITY. \$ 2.
A7	Square footage	SQFT5	14-	20	MISS9CH. 7.
A8	Square footage category	SQFTC5	22-	23	\$SQFTC. \$ 2.
A14	Year of construction category	YRCONC5	25-	26	\$YRCONC. \$ 2.
C1A	Electricity used in 1992	ELUSED5	28-	28	\$YESNO. \$ 1.
C1B	Natural gas used in 1992	NGUSED5	30-	30	\$YESNO. \$ 1.
C1C	Fuel oil used in 1992	FKUSED5	32-	32	\$YESNO. \$ 1.
C1E	District steam used in 1992	STUSED5	34-	34	\$YESNO. \$ 1.
C1F	District hot water in 1992	HWUSED5	36-	36	\$YESNO. \$ 1.
C1G	District chilled water in 1992	CWUSED5	38-	38	\$YESNO. \$ 1.
E18	Number of workers (all shifts)	TOTWK5	40-	44	MISS5CH. 5.
STRATUM	Variance stratum	STRATUM5	46-	47	\$ 2.
AGENCY	Agency abbreviation	AGNCYX5	49-	50	\$AGENCY. \$ 2.
AGNCYREV	Revised agency abbreviation	AGNCY5	52-	53	\$AGENCY. \$ 2.
WEIGHT	Adjusted weight	ADJWT5	55-	66	\$ 12.
	Imputed use any motors of at least 10 hp	ZMOTOR5	68-	68	\$ZVAR. \$ 1.
	Imputed num of 10+ hp motors in chillers	ZCHMTN5	70-	70	\$ZVAR. \$ 1.
	Imputed num of 10+ hp motors in ht pumps	ZHPMTN5	72-	72	\$ZVAR. \$ 1.
	Imputed num of 10+ hp motors in fans	ZFNMTN5	74-	74	\$ZVAR. \$ 1.
	Imputed num of 10+ hp motors in air comp	ZACMTN5	76-	76	\$ZVAR. \$ 1.
	Imputed num 10+ hp motors in water pumps	ZWPMTN5	78-	78	\$ZVAR. \$ 1.
	Imputed num 10+ hp motors in elevators	ZELMTN5	80-	80	\$ZVAR. \$ 1.
	Imputed num 10+ hp motors in escalators	ZESMTN5	82-	82	\$ZVAR. \$ 1.
	Imputed num 10+ hp motors in refrig	ZRFMTN5	84-	84	\$ZVAR. \$ 1.
	Imputed age of motors in chillers	ZCHMTYR5	86-	86	\$ZVAR. \$ 1.
	Imputed age of motors in heat pumps	ZHPMTYR5	88-	88	\$ZVAR. \$ 1.
	Imputed age of motors in fans	ZFNMTYR5	90-	90	\$ZVAR. \$ 1.
	Imputed age of motors in air compressors	ZACMTYR5	92-	92	\$ZVAR. \$ 1.
	Imputed age of motors in water pumps	ZWPMTYR5	94-	94	\$ZVAR. \$ 1.
	Imputed age of motors in elevators	ZELMTYR5	96-	96	\$ZVAR. \$ 1.
	Imputed age of motors in escalators	ZESMTYR5	98-	98	\$ZVAR. \$ 1.
	Imputed age of motors in refrigeration	ZRFMTYR5	100-	100	\$ZVAR. \$ 1.
	Imputed num energy-effici 10+ hp motors	ZEFFMTN5	102-	102	\$ZVAR. \$ 1.
	Imputed num of rewound 10+ hp motors	ZRWMTN5	104-	104	\$ZVAR. \$ 1.
	Imputed avg age of motors when rewound	ZRWMTYR5	106-	106	\$ZVAR. \$ 1.
	Imputed failed motors rewound/replaced	ZRWRPMT5	108-	108	\$ZVAR. \$ 1.
	Imputed other type of DSM program	ZOTPG15	110-	110	\$ZVAR. \$ 1.
	Imputed bldg. partic. DSM: bldg. shell	ZENPG5	112-	112	\$ZVAR. \$ 1.
	Imputed bldg. partic. DSM: load control	ZLCPG5	114-	114	\$ZVAR. \$ 1.
	Imputed bldg. partic DSM: standby gener.	ZSGPG5	116-	116	\$ZVAR. \$ 1.
	Imputed bldg partic DSM: proc heat/cool	ZPHPG5	118-	118	\$ZVAR. \$ 1.
	Imputed bldg. partic. DSM pgm: other	ZOTPG5	120-	120	\$ZVAR. \$ 1.

Variable Codes for File 16

```

BLDGID5 'BUILDING IDENTIFIER'
@ Columns 1 7 9999999 @
FEDREG5 'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5 'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP' = 12
'PUBLIC ASSEMBLY' = 13
'EDUCATION' = 14

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'FOOD SERVICES'	=	15
'HOSPIT/INPAT HLTH SVCS'	=	16
'SKIL NURS/RESIDTL CARE'	=	17
'HOTEL/MOTEL/DORM'	=	18
'RESIDENTIAL'	=	19
'INDOOR ENCLSD PARK GAR'	=	20
'OTHER'	=	21
'ALL ACTIVITIES LT 75%'	=	22
'DK IF ONE ACTIV GT 75%'	=	98
SQFT5	'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'	
@	Columns 14 20 9999999 @	
	9999998 = DONT KNOW	
	9999999 = NOT ASCERTAINED	
SQFTC5	'GROSS SQUARE FOOTAGE, CATEGORY'	
@	Columns 22 23 99 @	
	'10,000 OR LESS'	= 03
	'10,001 - 25,000'	= 04
	'25,001 - 50,000'	= 05
	'50,001 - 100,000'	= 06
	'100,001 - 200,000'	= 07
	'200,001 - 500,000'	= 08
	'500,001 - 1 MILLION'	= 09
	'OVER 1 MILLION'	= 10
	'DONT KNOW'	= 98
YRCONC5	'YEAR CONSTRUCTION COMPLETED (CATEGORY)'	
@	Columns 25 26 99 @	
	'1899 OR BEFORE'	= 01
	'1900-1919'	= 02
	'1920-1945'	= 03
	'1946-1959'	= 04
	'1960-1969'	= 05
	'1970-1979'	= 06
	'1980-1989'	= 07
	'1990-1992'	= 08
	'1993-1994'	= 09
ELUSED5	'USE ELECTRICITY'	
@	Columns 28 28 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
NGUSED5	'USE NATURAL GAS'	
@	Columns 30 30 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
FKUSED5	'USE FUEL OIL, DIESEL, OR KEROSENE'	
@	Columns 32 32 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
STUSED5	'USE DISTRICT STEAM'	
@	Columns 34 34 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
HWUSED5	'USE DISTRICT HOT WATER'	
@	Columns 36 36 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
CWUSED5	'USE DISTRICT CHILLED WATER'	
@	Columns 38 38 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9

```

TOTWK5  'NUM OF PEOPLE WHO WORK IN BLDG'
@ Columns 40 44 99999 @
99997 = INAPPLICABLE
99998 = DONT KNOW
99999 = NOT ASCERTAINED
STRATUM5 'STRATUM NUMBER'
@ Columns 46 47 99 @
'DOD: WEST VA, VA' = 01
'DOD: DE, PA' = 02
'DOD: MD, DIST. OF COL.' = 03
'NON-DOD: WEST VA, VA' = 04
'NON-DOD: DE, PA' = 05
'NON-DOD: MD, DIST. OF COL.' = 06
'DOD: OK, TX' = 07
'DOD: NM' = 08
'DOD: LA, AR' = 09
'NON-DOD: OK, TX' = 10
'NON-DOD: NM' = 11
'NON-DOD: LA, AR' = 12
'DOD: HI, CA' = 13
'DOD: AZ, NV' = 14
'NON-DOD: HI, CA' = 15
'NON-DOD: AZ, NV' = 16
AGNCYX5 'AGENCY ABBREVIATION'
@ Columns 49 50 99 @
'DOC' = 01
'DOD' = 02
'DOE' = 03
'DOI' = 04
'DOJ' = 05
'DOL' = 06
'DOT' = 07
'EDUC' = 08
'EPA' = 09
'FEMA' = 10
'GPO' = 11
'GSA' = 12
'HHS' = 13
'NASA' = 14
'NSF' = 15
'TRSY' = 16
'USDA' = 17
'USPS' = 18
'VA' = 19
'GAO' = 20
AGNCY5 'REVISED AGENCY ABBREVIATION'
@ Columns 52 53 99 @
'DOC' = 01
'DOD' = 02
'DOE' = 03
'DOI' = 04
'DOJ' = 05
'DOL' = 06
'DOT' = 07
'EDUC' = 08
'EPA' = 09
'FEMA' = 10
'GPO' = 11
'GSA' = 12
'HHS' = 13
'NASA' = 14
'NSF' = 15
'TRSY' = 16
'USDA' = 17
'USPS' = 18
'VA' = 19
'GAO' = 20
ADJWT5 'BUILDING WEIGHT'
@ Columns 55 66 9999999999 @
ZMOTOR5 'Imputed use any motors of at least 10 hp'
@ Columns 68 68 9 @
ZCHMTN5 'Imputed num of 10+ hp motors in chillers'
@ Columns 70 70 9 @
ZHPMTN5 'Imputed num of 10+ hp motors in ht pumps'
@ Columns 72 72 9 @
ZFNMTN5 'Imputed num of 10+ hp motors in fans'
@ Columns 74 74 9 @

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ZACMTN5 'Imputed num of 10+ hp motors in air comp'
@ Columns 76 76 9 @
ZWPMTN5 'Imputed num 10+ hp motors in water pumps'
@ Columns 78 78 9 @
ZELMTN5 'Imputed num 10+ hp motors in elevators'
@ Columns 80 80 9 @
ZESMTN5 'Imputed num 10+ hp motors in escalators'
@ Columns 82 82 9 @
ZRFMTN5 'Imputed num 10+ hp motors in refriger'
@ Columns 84 84 9 @
ZCHMTYR5 'Imputed age of motors in chillers'
@ Columns 86 86 9 @
ZHPMTYR5 'Imputed age of motors in heat pumps'
@ Columns 88 88 9 @
ZFNMTYR5 'Imputed age of motors in fans'
@ Columns 90 90 9 @
ZACMTYR5 'Imputed age of motors in air compressors'
@ Columns 92 92 9 @
ZWPMTYR5 'Imputed age of motors in water pumps'
@ Columns 94 94 9 @
ZELMTYR5 'Imputed age of motors in elevators'
@ Columns 96 96 9 @
ZESMTYR5 'Imputed age of motors in escalators'
@ Columns 98 98 9 @
ZRFMTYR5 'Imputed age of motors in refrigeration'
@ Columns 100 100 9 @
ZEFFMTN5 'Imputed num energy-effici 10+ hp motors'
@ Columns 102 102 9 @
ZRWMTN5 'Imputed num of rewound 10+ hp motors'
@ Columns 104 104 9 @
ZRWMTYR5 'Imputed avg age of motors when rewound'
@ Columns 106 106 9 @
ZRWRPMT5 'Imputed failed motors rewound/replaced'
@ Columns 108 108 9 @
ZOTPGI5 'Imputed other type of DSM program'
@ Columns 110 110 9 @
ZENPG5 'Imputed bldg. partic. DSM: bldg. shell'
@ Columns 112 112 9 @
ZLCPG5 'Imputed bldg. partic. DSM: load control'
@ Columns 114 114 9 @
ZSGPG5 'Imputed bldg. partic DSM: standby gener.'
@ Columns 116 116 9 @
ZPHPG5 'Imputed bldg partic DSM: proc heat/cool'
@ Columns 118 118 9 @
ZOTPG5 'Imputed bldg. partic. DSM pgm: other'
@ Columns 120 120 9 @

```

Layout for File 17: Sponsors of: Thermal Energy Storage, Water Heating Retrofits,
Lighting Retrofits, DSM Programs
(FB94F17T.TXT & FB94F17D.DBF)

Variable	Description	Variable Name	Position	
CASEID	Building identifier	BLDGID5	1- 7	\$ 7.
REGION	Building federal region	FEDREG5	9- 9	\$FEDREG. \$ 1.
	Principal building activity	PBA5	11- 12	\$ACTIVITY. \$ 2.
A7	Square footage	SQFT5	14- 20	MISS9CH. 7.
A8	Square footage category	SQFTC5	22- 23	\$SQFTC. \$ 2.
A14	Year of construction category	YRCONC5	25- 26	\$YRCONC. \$ 2.
C1A	Electricity used in 1992	ELUSED5	28- 28	\$YESNO. \$ 1.
C1B	Natural gas used in 1992	NGUSED5	30- 30	\$YESNO. \$ 1.
C1C	Fuel oil used in 1992	FKUSED5	32- 32	\$YESNO. \$ 1.
C1E	District steam used in 1992	STUSED5	34- 34	\$YESNO. \$ 1.
C1F	District hot water in 1992	HWUSED5	36- 36	\$YESNO. \$ 1.
C1G	District chilled water in 1992	CWUSED5	38- 38	\$YESNO. \$ 1.
H8GEU	Thermal storage sponsored by elec util	TSPGEU5	40- 40	\$YESNO. \$ 1.
H8GIH	Thermal storage sponsored in house	TSPGIH5	42- 42	\$YESNO. \$ 1.
H8GTP	Thermal storage sponsored by third party	TSPGTP5	44- 44	\$YESNO. \$ 1.
H8GOTH	Thermal storage sponsored by other	TSPGOS5	46- 46	\$YESNO. \$ 1.
H8GFEMP	Tes sponsor: femp	TSPGFM5	48- 48	\$YESNO. \$ 1.
H8GDK	Thermal storage sponsored by unknown	TSPGDS5	50- 50	\$YESNO. \$ 1.
D19E	Retro/pur wtr heat eqp w/in past 10 yrs	WHTQRP5	52- 52	\$RETRO. \$ 1.
H8EEU	Water heating pgm. sponsored elec util	WHPGEU5	54- 54	\$YESNO. \$ 1.
H8EIH	Water heating pgm. sponsored in house	WHPGIH5	56- 56	\$YESNO. \$ 1.
H8ETP	Water heating pgm. sponsored third party	WHPGTP5	58- 58	\$YESNO. \$ 1.

H8EOTH	Water heating pgm. sponsored other	WHPGOS5	60-	60	\$YESNO.	\$	1.
H8EF	Water heat equip sponsor: femp	WHPGFM5	62-	62	\$YESNO.	\$	1.
H8EDK	Water heating pgm. sponsored unknown	WHPGDS5	64-	64	\$YESNO.	\$	1.
E18	Number of workers (all shifts)	TOTWK5	66-	70	MISS5CH.		5.
H8AEU	Lighting pgm. sponsored by elec. utility	LTPGEU5	72-	72	\$YESNO.	\$	1.
H8AIH	Lighting pgm. sponsored in house	LTPGIH5	74-	74	\$YESNO.	\$	1.
H8ATP	Lighting pgm. sponsored by third party	LTPGTP5	76-	76	\$YESNO.	\$	1.
H8AOTH	Lighting pgm. sponsored by other	LTPGOS5	78-	78	\$YESNO.	\$	1.
H8AF	Lightng equip sponsor: femp	LTPGFM5	80-	80	\$YESNO.	\$	1.
H8ADK	Lighting pgm. sponsored by unknown	LTPGDS5	82-	82	\$YESNO.	\$	1.
H8EUB	Bldg. shell pgm. sponsored by elec util.	ENPGEU5	84-	84	\$YESNO.	\$	1.
H8GUB	Bldg. shell pgm. sponsored by gas util.	ENPGGU5	86-	86	\$YESNO.	\$	1.
H8IHB	Bldg. shell pgm. sponsored in house	ENPGIH5	88-	88	\$YESNO.	\$	1.
H8TPB	Bldg. shell pgm. sponsored by 3rd party	ENPGTP5	90-	90	\$YESNO.	\$	1.
H8OB	Bldg. shell pgm. sponsored by other	ENPGOS5	92-	92	\$YESNO.	\$	1.
H8FEMPB	Envelope/shell sponsor: femp	ENPGFM5	94-	94	\$YESNO.	\$	1.
H8DKB	Bldg. shell pgm. sponsored unknown	ENPGDS5	96-	96	\$YESNO.	\$	1.
H8EUF	Load control sponsored by elec utility	LCPGEU5	98-	98	\$YESNO.	\$	1.
H8GUF	Load control sponsored by gas utility	LCPGGU5	100-	100	\$YESNO.	\$	1.
H8IHF	Load control sponsored in house	LCPGIH5	102-	102	\$YESNO.	\$	1.
H8TPF	Load control sponsored by third party	LCPGTP5	104-	104	\$YESNO.	\$	1.
H8OF	Load control sponsored by other	LCPGOS5	106-	106	\$YESNO.	\$	1.
H8FEMPF	Dir elec load ctrl spon: femp	LCPGFM5	108-	108	\$YESNO.	\$	1.
H8DKF	Load control sponsored by unknown	LCPGDS5	110-	110	\$YESNO.	\$	1.
H8EUH	Standby gener. sponsored by elec util	SGPGEU5	112-	112	\$YESNO.	\$	1.
H8GUH	Standby gener. sponsored by gas util	SGPGGU5	114-	114	\$YESNO.	\$	1.
H8IHH	Standby gener. sponsored in house	SGPGIH5	116-	116	\$YESNO.	\$	1.
H8TPH	Standby gener. sponsored by third party	SGPGTP5	118-	118	\$YESNO.	\$	1.
H8OH	Standby gener. sponsored by other	SGPGOS5	120-	120	\$YESNO.	\$	1.
H8FEMPH	Standby elec gen sponsor: femp	SGPGFM5	122-	122	\$YESNO.	\$	1.
H8DKH	Standby gener. sponsored by unknown	SGPGDS5	124-	124	\$YESNO.	\$	1.
H8EUI	Process heat/cool sponsored by elec util	PHPGEU5	126-	126	\$YESNO.	\$	1.
H8GUI	Process heat/cool sponsored by gas util	PHPGGU5	128-	128	\$YESNO.	\$	1.
H8IHI	Process heat/cool sponsored in house	PHPGIH5	130-	130	\$YESNO.	\$	1.
H8TPI	Process heat/cool sponsored by 3rd party	PHPGTP5	132-	132	\$YESNO.	\$	1.
H8OI	Process heat/cool sponsored by other	PHPGOS5	134-	134	\$YESNO.	\$	1.
H8FEMPI	Process heat/cool sponsor: femp	PHPGFM5	136-	136	\$YESNO.	\$	1.
H8DKI	Process heat/cool sponsored by unknown	PHPGDS5	138-	138	\$YESNO.	\$	1.
H8EUJ	Other DSM pgm. sponsored by elec util	OTPGU5	140-	140	\$YESNO.	\$	1.
H8GUJ	Other DSM pgm. sponsored by gas utility	OTPGGU5	142-	142	\$YESNO.	\$	1.
H8IHJ	Other DSM pgm. sponsored in house	OTPGIH5	144-	144	\$YESNO.	\$	1.
H8TPJ	Other DSM pgm. sponsored by third party	OTPGTP5	146-	146	\$YESNO.	\$	1.
H8OJ	Other DSM pgm. sponsored by other	OTPGOS5	148-	148	\$YESNO.	\$	1.
H8FEMPJ	Other program sponsor: femp	OTPGFM5	150-	150	\$YESNO.	\$	1.
H8DKJ	Other DSM pgm. sponsored by unknown	OTPGDS5	152-	152	\$YESNO.	\$	1.
STRATUM	Variance stratum	STRATUM5	154-	155		\$	2.
WEIGHT	Adjusted weight	ADJWTS	157-	168			12.

Variable Codes for File 17

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BLDGID5  'BUILDING IDENTIFIER'
@ Columns 1 7 9999999 @
FEDREG5  'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5     'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP' = 12
'PUBLIC ASSEMBLY' = 13
'EDUCATION' = 14
'FOOD SERVICES' = 15
'HOSPIT/INPAT HLTH SVCS' = 16
'SKIL NURS/RESIDTL CARE' = 17

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'HOTEL/MOTEL/DORM'	=	18
'RESIDENTIAL'	=	19
'INDOOR ENCLSD PARK GAR'	=	20
'OTHER'	=	21
'ALL ACTIVITIES LT 75%'	=	22
'DK IF ONE ACTIV GT 75%'	=	98

SQFT5 'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'

@ Columns	14	20	9999999	@
9999998	=	DONT KNOW		
9999999	=	NOT ASCERTAINED		

SQFTC5 'GROSS SQUARE FOOTAGE, CATEGORY'

@ Columns	22	23	99	@
'10,000 OR LESS'	=	03		
'10,001 - 25,000'	=	04		
'25,001 - 50,000'	=	05		
'50,001 - 100,000'	=	06		
'100,001 - 200,000'	=	07		
'200,001 - 500,000'	=	08		
'500,001 - 1 MILLION'	=	09		
'OVER 1 MILLION'	=	10		
'DONT KNOW'	=	98		

YRCONC5 'YEAR CONSTRUCTION COMPLETED (CATEGORY)'

@ Columns	25	26	99	@
'1899 OR BEFORE'	=	01		
'1900-1919'	=	02		
'1920-1945'	=	03		
'1946-1959'	=	04		
'1960-1969'	=	05		
'1970-1979'	=	06		
'1980-1989'	=	07		
'1990-1992'	=	08		
'1993-1994'	=	09		

ELUSED5 'USE ELECTRICITY'

@ Columns	28	28	9	@
'YES'	=	1		
'NO'	=	2		
'INAPPLICABLE'	=	7		
'DONT KNOW'	=	8		
'NOT ASCERTAINED'	=	9		

NGUSED5 'USE NATURAL GAS'

@ Columns	30	30	9	@
'YES'	=	1		
'NO'	=	2		
'INAPPLICABLE'	=	7		
'DONT KNOW'	=	8		
'NOT ASCERTAINED'	=	9		

FKUSED5 'USE FUEL OIL, DIESEL, OR KEROSENE'

@ Columns	32	32	9	@
'YES'	=	1		
'NO'	=	2		
'INAPPLICABLE'	=	7		
'DONT KNOW'	=	8		
'NOT ASCERTAINED'	=	9		

STUSED5 'USE DISTRICT STEAM'

@ Columns	34	34	9	@
'YES'	=	1		
'NO'	=	2		
'INAPPLICABLE'	=	7		
'DONT KNOW'	=	8		
'NOT ASCERTAINED'	=	9		

HWUSED5 'USE DISTRICT HOT WATER'

@ Columns	36	36	9	@
'YES'	=	1		
'NO'	=	2		
'INAPPLICABLE'	=	7		
'DONT KNOW'	=	8		
'NOT ASCERTAINED'	=	9		

CWUSED5 'USE DISTRICT CHILLED WATER'

@ Columns	38	38	9	@
'YES'	=	1		
'NO'	=	2		
'INAPPLICABLE'	=	7		
'DONT KNOW'	=	8		
'NOT ASCERTAINED'	=	9		

TSPGEU5 'TES SPONSOR: ELECTRIC UTILITY'

@ Columns	40	40	9	@
'YES'	=	1		

'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9

TSPGIH5 'TES SPONSOR: IN-HOUSE'

@	Columns	42	42	9	@
'YES'	=	1			
'NO'	=	2			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			
'NOT ASCERTAINED'	=	9			

TSPGTP5 'TES SPONSOR: THIRD-PARTY'

@	Columns	44	44	9	@
'YES'	=	1			
'NO'	=	2			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			
'NOT ASCERTAINED'	=	9			

TSPGOS5 'TES SPONSOR: OTHER'

@	Columns	46	46	9	@
'YES'	=	1			
'NO'	=	2			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			
'NOT ASCERTAINED'	=	9			

TSPGFM5 'TES SPONSOR: FEMP'

@	Columns	48	48	9	@
'YES'	=	1			
'NO'	=	2			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			
'NOT ASCERTAINED'	=	9			

TSPGDS5 'TES SPONSOR: DONT KNOW'

@	Columns	50	50	9	@
'YES'	=	1			
'NO'	=	2			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			
'NOT ASCERTAINED'	=	9			

WHTQRP5 'RETRO/PUR WTR HEAT EQP W/IN PAST 10 YRS'

@	Columns	52	52	9	@
'YES, RETROFITTED'	=	1			
'YES, PURCHASED'	=	2			
'NO'	=	3			
'BOTH, RETRO+PURCHASE'	=	4			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			
'NOT ASCERTAINED'	=	9			

WHPGEU5 'WATER HEAT EQUIP SPONSOR: ELECTRIC UTIL'

@	Columns	54	54	9	@
'YES'	=	1			
'NO'	=	2			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			
'NOT ASCERTAINED'	=	9			

WHPGIH5 'WATER HEAT EQUIP SPONSOR: IN-HOUSE'

@	Columns	56	56	9	@
'YES'	=	1			
'NO'	=	2			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			
'NOT ASCERTAINED'	=	9			

WHPGTP5 'WATER HEAT EQUIP SPONSOR: THIRD-PARTY'

@	Columns	58	58	9	@
0673					
QUESTION NEW TO FBSS					
'YES'	=	1			
'NO'	=	2			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			
'NOT ASCERTAINED'	=	9			

WHPGOS5 'WATER HEAT EQUIP SPONSOR: OTHER'

@	Columns	60	60	9	@
'YES'	=	1			
'NO'	=	2			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			


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      'NOT ASCERTAINED'          = 9
WHPGFM5 'WATER HEAT EQUIP SPONSOR: FEMP'
  @ Columns      62      62      9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
WHPGDS5 'WATER HEAT EQUIP SPONSOR: DONT KNOW'
  @ Columns      64      64      9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
TOTWK5  'NUM OF PEOPLE WHO WORK IN BLDG'
  @ Columns      66      70     99999 @
      99997 = INAPPLICABLE
      99998 = DONT KNOW
      99999 = NOT ASCERTAINED
LTPGEU5 'LIGHTNG EQUIP SPONSOR: ELECTRIC UTILITY'
  @ Columns      72      72      9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
LTPGIH5 'LIGHTNG EQUIP SPONSOR: IN-HOUSE'
  @ Columns      74      74      9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
LTPGTP5 'LIGHTNG EQUIP SPONSOR: THIRD-PARTY'
  @ Columns      76      76      9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
LTPGOS5 'LIGHTNG EQUIP SPONSOR: OTHER'
  @ Columns      78      78      9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
LTPGFM5 'LIGHTNG EQUIP SPONSOR: FEMP'
  @ Columns      80      80      9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
LTPGDS5 'LIGHTNG EQUIP SPONSOR: DONT KNOW'
  @ Columns      82      82      9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
ENPGEU5 'ENVELOPE/SHELL SPONSOR: ELECTRIC UTIL'
  @ Columns      84      84      9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
ENPGGU5 'ENVELOPE/SHELL SPONSOR: GAS UTIL'
  @ Columns      86      86      9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
ENPGIH5 'ENVELOPE/SHELL SPONSOR: IN-HOUSE'

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@ Columns      88      88      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
ENPGTP5 'ENVELOPE/SHELL SPONSOR: THIRD-PARTY'
@ Columns      90      90      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
ENPGOS5 'ENVELOPE/SHELL SPONSOR: OTHER'
@ Columns      92      92      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
ENPGFM5 'ENVELOPE/SHELL SPONSOR: FEMP'
@ Columns      94      94      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
ENPGDS5 'ENVELOPE/SHELL SPONSOR: DONT KNOW'
@ Columns      96      96      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
LCPGEU5 'DIR ELEC LOAD CTRL SPON: ELECTRIC UTIL'
@ Columns      98      98      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
LCPGGU5 'DIR ELEC LOAD CTRL SPON: GAS UTIL'
@ Columns     100     100      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
LCPGIH5 'DIR ELEC LOAD CTRL SPON: IN-HOUSE'
@ Columns     102     102      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
LCPGTP5 'DIR ELEC LOAD CTRL SPON: THIRD-PARTY'
@ Columns     104     104      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
LCPGOS5 'DIR ELEC LOAD CTRL SPON: OTHER'
@ Columns     106     106      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
LCPGFM5 'DIR ELEC LOAD CTRL SPON: FEMP'
@ Columns     108     108      9 @
'YES'          = 1
'NO'           = 2
'INAPPLICABLE' = 7
'DONT KNOW'    = 8
'NOT ASCERTAINED' = 9
LCPGDS5 'DIR ELEC LOAD CTRL SPON: DONT KNOW'

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@ Columns 110 110 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SGPGEU5 'STANDBY ELEC GEN SPONSOR: ELECTRIC UTIL'
@ Columns 112 112 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SGPGGU5 'STANDBY ELEC GEN SPONSOR: GAS UTIL'
@ Columns 114 114 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SGPGIH5 'STANDBY ELEC GEN SPONSOR: IN-HOUSE'
@ Columns 116 116 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SGPGTP5 'STANDBY ELEC GEN SPONSOR: THIRD-PARTY'
@ Columns 118 118 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SGPGOS5 'STANDBY ELEC GEN SPONSOR: OTHER'
@ Columns 120 120 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SGPGFM5 'STANDBY ELEC GEN SPONSOR: FEMP'
@ Columns 122 122 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SGPGDS5 'STANDBY ELEC GEN SPONSOR: DONT KNOW'
@ Columns 124 124 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PHPGEU5 'PROCESS HEAT/COOL SPONSOR: ELECTRIC UTIL'
@ Columns 126 126 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PHPGGU5 'PROCESS HEAT/COOL SPONSOR: GAS UTIL'
@ Columns 128 128 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PHPGIH5 'PROCESS HEAT/COOL SPONSOR: IN-HOUSE'
@ Columns 130 130 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PHPGTP5 'PROCESS HEAT/COOL SPONSOR: THIRD-PARTY'

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@ Columns 132 132 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PHPGOS5 'PROCESS HEAT/COOL SPONSOR: OTHER'
@ Columns 134 134 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PHPGFM5 'PROCESS HEAT/COOL SPONSOR: FEMP'
@ Columns 136 136 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PHPGDS5 'PROCESS HEAT/COOL SPONSOR: DONT KNOW'
@ Columns 138 138 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTPGU5 'OTHER PROGRAM SPONSOR: ELECTRIC UTIL'
@ Columns 140 140 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTPGU5 'OTHER PROGRAM SPONSOR: GAS UTIL'
@ Columns 142 142 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTPGIH5 'OTHER PROGRAM SPONSOR: IN-HOUSE'
@ Columns 144 144 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTPGTP5 'OTHER PROGRAM SPONSOR: THIRD-PARTY'
@ Columns 146 146 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTPGOS5 'OTHER PROGRAM SPONSOR: OTHER'
@ Columns 148 148 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTPGFM5 'OTHER PROGRAM SPONSOR: FEMP'
@ Columns 150 150 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTPGDS5 'OTHER PROGRAM SPONSOR: DONT KNOW'
@ Columns 152 152 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
STRATUM5 'STRATUM NUMBER'

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@ Columns 154 155 99 @
'DOD: WEST VA, VA' = 01
'DOD: DE, PA' = 02
'DOD: MD, DIST. OF COL.' = 03
'NON-DOD: WEST VA, VA' = 04
'NON-DOD: DE, PA' = 05
'NON-DOD: MD, DIST. OF COL.' = 06
'DOD: OK, TX' = 07
'DOD: NM' = 08
'DOD: LA, AR' = 09
'NON-DOD: OK, TX' = 10
'NON-DOD: NM' = 11
'NON-DOD: LA, AR' = 12
'DOD: HI, CA' = 13
'DOD: AZ, NV' = 14
'NON-DOD: HI, CA' = 15
'NON-DOD: AZ, NV' = 16
ADJWTS 'BUILDING WEIGHT'
@ Columns 157 168 999999999999 @

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Layout for File 18: Type of Assistance Received for: Thermal Energy Storage, Water Heating Retrofits, Lighting Retrofits, DSM Programs
(FB94F18T.TXT & FB94F18D.DBF)

Variable	Description	Variable Name	Position		
CASEID	Building identifier	BLDGID5	1- 7		\$ 7.
REGION	Building federal region	FEDREG5	9- 9	\$FEDREG.	\$ 1.
	Principal building activity	PBA5	11- 12	\$ACTIVITY.	\$ 2.
A7	Square footage	SQFT5	14- 20	MISS9CH.	7.
A8	Square footage category	SQFTC5	22- 23	\$SQFTC.	\$ 2.
A14	Year of construction category	YRCONC5	25- 26	\$YRCONC.	\$ 2.
C1A	Electricity used in 1992	ELUSED5	28- 28	\$YESNO.	\$ 1.
C1B	Natural gas used in 1992	NGUSED5	30- 30	\$YESNO.	\$ 1.
C1C	Fuel oil used in 1992	FKUSED5	32- 32	\$YESNO.	\$ 1.
C1E	District steam used in 1992	STUSED5	34- 34	\$YESNO.	\$ 1.
C1F	District hot water in 1992	HWUSED5	36- 36	\$YESNO.	\$ 1.
C1G	District chilled water in 1992	CWUSED5	38- 38	\$YESNO.	\$ 1.
H9GFEEF	Tes assistance: f.e.e.f.	TSPGFF5	40- 40	\$YESNO.	\$ 1.
H9GI	Incentives recvd. for thermal storage	TSPGIN5	42- 42	\$YESNO.	\$ 1.
H9GAR	Alternative rates recvd. thermal storage	TSPGAR5	44- 44	\$YESNO.	\$ 1.
H9GFS	Fuel switching recvd. thermal storage	TSPGFS5	46- 46	\$YESNO.	\$ 1.
H9GOTH	Other assistance recvd. thermal storage	TSPGOA5	48- 48	\$YESNO.	\$ 1.
H9GDK	Unknown assist. recvd. thermal storage	TSPGNA5	50- 50	\$YESNO.	\$ 1.
H9EF	Water heat equip assist: f.e.e.f.	WHPGFF5	52- 52	\$YESNO.	\$ 1.
H9EI	Incentives recvd. for water heating	WHPGIN5	54- 54	\$YESNO.	\$ 1.
H9EAR	Alternative rates recvd. water heating	WHPGAR5	56- 56	\$YESNO.	\$ 1.
H9EFS	Fuel switching recvd. for water heating	WHPGFS5	58- 58	\$YESNO.	\$ 1.
H9EOTH	Other assistance recvd. water heating	WHPGOA5	60- 60	\$YESNO.	\$ 1.
H9EDK	Unknown assistance recvd. water heat	WHPGNA5	62- 62	\$YESNO.	\$ 1.
E18	Number of workers (all shifts)	TOTWK5	64- 68	MISS5CH.	5.
H9AF	Lightng equip assist: f.e.e.f.	LTPGFF5	70- 70	\$YESNO.	\$ 1.
H9AI	Incentives recvd. for lighting	LTPGIN5	72- 72	\$YESNO.	\$ 1.
H9AAR	Alternative rates recvd. for lighting	LTPGAR5	74- 74	\$YESNO.	\$ 1.
H9AFS	Fuel switching recvd. for lighting	LTPGFS5	76- 76	\$YESNO.	\$ 1.
H9AOTH	Other assistance recvd. for lighting	LTPGOA5	78- 78	\$YESNO.	\$ 1.
H9ADK	Unknown assistance recvd. for lighting	LTPGNA5	80- 80	\$YESNO.	\$ 1.
H9GIB	General info. recvd. for bldg. shell	ENPGGI5	82- 82	\$YESNO.	\$ 1.
H9SSIB	Site specific info. recvd. bldg. shell	ENPGSI5	84- 84	\$YESNO.	\$ 1.
H9IB	Incentives recvd. for bldg. shell	ENPGIN5	86- 86	\$YESNO.	\$ 1.
H9ARB	Alternative rates recvd. for bldg. shell	ENPGAR5	88- 88	\$YESNO.	\$ 1.
H9FSB	Fuel switching recvd. for bldg. shell	ENPGFS5	90- 90	\$YESNO.	\$ 1.
H9OPB	Other assistance recvd. for bldg. shell	ENPGOA5	92- 92	\$YESNO.	\$ 1.
H9FEEFB	Envelope/shell assist: f.e.e.f.	ENPGFF5	94- 94	\$YESNO.	\$ 1.
H9DKB	Unknown assistance recvd. bldg. shell	ENPGNA5	96- 96	\$YESNO.	\$ 1.
H9GIF	General info recvd. for load control	LCPGGI5	98- 98	\$YESNO.	\$ 1.
H9SSIF	Site-spec info recvd. for load control	LCPGSI5	100- 100	\$YESNO.	\$ 1.
H9IF	Incentives recvd. for load control	LCPGIN5	102- 102	\$YESNO.	\$ 1.
H9ARF	Alternative rates recvd. load control	LCPGAR5	104- 104	\$YESNO.	\$ 1.
H9FSF	Fuel switching recvd. for load control	LCPGFS5	106- 106	\$YESNO.	\$ 1.
H9OPF	Other assistance recvd. for load control	LCPGOA5	108- 108	\$YESNO.	\$ 1.
H9FEEFF	Dir elec load ctrl assist: f.e.e.f.	LCPGFF5	110- 110	\$YESNO.	\$ 1.
H9DKF	Unknown assistance recvd. load control	LCPGNA5	112- 112	\$YESNO.	\$ 1.
H9GIH	Gen info recvd. for standby generation	SGPGGI5	114- 114	\$YESNO.	\$ 1.
H9SSIH	Site spec info recvd. for standby gener.	SGPGSI5	116- 116	\$YESNO.	\$ 1.

H9IH	Incentives recvd. for standby generation	SGPGIN5	118- 118	\$YESNO.	\$ 1.
H9ARH	Alternative rates recvd. standby gener.	SGPGAR5	120- 120	\$YESNO.	\$ 1.
H9FSH	Fuel switching recvd. standby gener.	SGPGFS5	122- 122	\$YESNO.	\$ 1.
H9OPH	Other assistance recvd. standby gener.	SGPGOA5	124- 124	\$YESNO.	\$ 1.
H9FEEFH	Standby elec gen assist: f.e.e.f.	SGPGFF5	126- 126	\$YESNO.	\$ 1.
H9DKH	Unknown assist. recvd. standby gener.	SGPGNA5	128- 128	\$YESNO.	\$ 1.
H9GII	General info recvd. process heat/cool	PHPGGI5	130- 130	\$YESNO.	\$ 1.
H9SSII	Site-spec info recvd. process heat/cool	PHPGSI5	132- 132	\$YESNO.	\$ 1.
H9II	Incentives recvd. process heat/cool	PHPGIN5	134- 134	\$YESNO.	\$ 1.
H9ARI	Alternate rates recvd. process heat/cool	PHPGAR5	136- 136	\$YESNO.	\$ 1.
H9FSI	Fuel switching recvd. process heat/cool	PHPGFS5	138- 138	\$YESNO.	\$ 1.
H9OPI	Other assist. recvd. process heat/cool	PHPGOA5	140- 140	\$YESNO.	\$ 1.
H9FEEFI	Process heat/cool assist: f.e.e.f.	PHPGFF5	142- 142	\$YESNO.	\$ 1.
H9DKI	Unknown assist. recvd. process heat/cool	PHPGNA5	144- 144	\$YESNO.	\$ 1.
H9GIJ	General info recvd. for other pgm.	OTPGGI5	146- 146	\$YESNO.	\$ 1.
H9SSIJ	Site-specific info recvd. for other pgm.	OTPGSI5	148- 148	\$YESNO.	\$ 1.
H9IJ	Incentives recvd. for other pgm.	OTPGIN5	150- 150	\$YESNO.	\$ 1.
H9ARJ	Alternative rates recvd. for other pgm.	OTPGAR5	152- 152	\$YESNO.	\$ 1.
H9FSJ	Fuel switching recvd. for other pgm.	OTPGFS5	154- 154	\$YESNO.	\$ 1.
H9OPJ	Other assistance recvd. for other pgm.	OTPGOA5	156- 156	\$YESNO.	\$ 1.
H9FEEFJ	Other program assistance: f.e.e.f.	OTPGFF5	158- 158	\$YESNO.	\$ 1.
H9DKJ	Unknown assistance recvd. for other pgm.	OTPGNA5	160- 160	\$YESNO.	\$ 1.
STRATUM	Variance stratum	STRATUM5	162- 163		\$ 2.
WEIGHT	Adjusted weight	ADJWT5	165- 176		\$ 12.

Variable Codes for File 18

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BLDGID5  'BUILDING IDENTIFIER'
@ Columns 1 7 9999999 @
FEDREG5  'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5     'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP' = 12
'PUBLIC ASSEMBLY' = 13
'EDUCATION' = 14
'FOOD SERVICES' = 15
'HOSPIT/INPAT HLTH SVCS' = 16
'SKIL NURS/RESIDTL CARE' = 17
'HOTEL/MOTEL/DORM' = 18
'RESIDENTIAL' = 19
'INDOOR ENCLSD PARK GAR' = 20
'OTHER' = 21
'ALL ACTIVITIES LT 75%' = 22
'DK IF ONE ACTIV GT 75%' = 98
SQFT5    'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'
@ Columns 14 20 9999999 @
9999998 = DONT KNOW
9999999 = NOT ASCERTAINED
SQFTC5    'GROSS SQUARE FOOTAGE, CATEGORY'
@ Columns 22 23 99 @
'10,000 OR LESS' = 03
'10,001 - 25,000' = 04
'25,001 - 50,000' = 05
'50,001 - 100,000' = 06
'100,001 - 200,000' = 07
'200,001 - 500,000' = 08
'500,001 - 1 MILLION' = 09
'OVER 1 MILLION' = 10
'DONT KNOW' = 98
YRCONC5   'YEAR CONSTRUCTION COMPLETED (CATEGORY)'
@ Columns 25 26 99 @

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'1899 OR BEFORE'	=	01
'1900-1919'	=	02
'1920-1945'	=	03
'1946-1959'	=	04
'1960-1969'	=	05
'1970-1979'	=	06
'1980-1989'	=	07
'1990-1992'	=	08
'1993-1994'	=	09

ELUSED5 'USE ELECTRICITY'

@ Columns	28	28	9	@
'YES'			=	1
'NO'			=	2
'INAPPLICABLE'			=	7
'DONT KNOW'			=	8
'NOT ASCERTAINED'			=	9

NGUSED5 'USE NATURAL GAS'

@ Columns	30	30	9	@
'YES'			=	1
'NO'			=	2
'INAPPLICABLE'			=	7
'DONT KNOW'			=	8
'NOT ASCERTAINED'			=	9

FKUSED5 'USE FUEL OIL, DIESEL, OR KEROSENE'

@ Columns	32	32	9	@
'YES'			=	1
'NO'			=	2
'INAPPLICABLE'			=	7
'DONT KNOW'			=	8
'NOT ASCERTAINED'			=	9

STUSED5 'USE DISTRICT STEAM'

@ Columns	34	34	9	@
'YES'			=	1
'NO'			=	2
'INAPPLICABLE'			=	7
'DONT KNOW'			=	8
'NOT ASCERTAINED'			=	9

HWUSED5 'USE DISTRICT HOT WATER'

@ Columns	36	36	9	@
'YES'			=	1
'NO'			=	2
'INAPPLICABLE'			=	7
'DONT KNOW'			=	8
'NOT ASCERTAINED'			=	9

CWUSED5 'USE DISTRICT CHILLED WATER'

@ Columns	38	38	9	@
'YES'			=	1
'NO'			=	2
'INAPPLICABLE'			=	7
'DONT KNOW'			=	8
'NOT ASCERTAINED'			=	9

TSPGFF5 'TES ASSISTANCE: F.E.E.F.'

@ Columns	40	40	9	@
'YES'			=	1
'NO'			=	2
'INAPPLICABLE'			=	7
'DONT KNOW'			=	8
'NOT ASCERTAINED'			=	9

TSPGIN5 'TES ASSISTANCE: INCENTIVES'

@ Columns	42	42	9	@
'YES'			=	1
'NO'			=	2
'INAPPLICABLE'			=	7
'DONT KNOW'			=	8
'NOT ASCERTAINED'			=	9

TSPGAR5 'TES ASSISTANCE: ALTERNATIVE RATES'

@ Columns	44	44	9	@
'YES'			=	1
'NO'			=	2
'INAPPLICABLE'			=	7
'DONT KNOW'			=	8
'NOT ASCERTAINED'			=	9

TSPGFS5 'TES ASSISTANCE: FUEL SWITCHING'

@ Columns	46	46	9	@
'YES'			=	1
'NO'			=	2
'INAPPLICABLE'			=	7

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'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
TSPGOA5 'TES ASSISTANCE: OTHER PROGRAM'
@ Columns 48 48 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
TSPGNA5 'TES ASSISTANCE: DONT KNOW'
@ Columns 50 50 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
WHPGFF5 'WATER HEAT EQUIP ASSIST: F.E.E.F.'
@ Columns 52 52 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
WHPGIN5 'WATER HEAT EQUIP ASSIST: INCENTIVES'
@ Columns 54 54 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
WHPGAR5 'WATER HEAT EQUIP ASSIST: ALTERN RATES'
@ Columns 56 56 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
WHPGFS5 'WATER HEAT EQUIP ASSIST: FUEL SWITCHING'
@ Columns 58 58 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
WHPGOA5 'WATER HEAT EQUIP ASSIST: OTHER/NONE'
@ Columns 60 60 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
WHPGNA5 'WATER HEAT EQUIP ASSIST: DONT KNOW'
@ Columns 62 62 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
TOTWK5 'NUM OF PEOPLE WHO WORK IN BLDG'
@ Columns 64 68 99999 @
99997 = INAPPLICABLE
99998 = DONT KNOW
99999 = NOT ASCERTAINED
LTPGFF5 'LIGHTNG EQUIP ASSIST: F.E.E.F.'
@ Columns 70 70 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
LTPGIN5 'LIGHTNG EQUIP ASSIST: INCENTIVES'
@ Columns 72 72 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9

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LTPGAR5 'LIGHTNG EQUIP ASSIST: ALTERN RATES'
@ Columns 74 74 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
LTPGFS5 'LIGHTNG EQUIP ASSIST: FUEL SWITCHNG'
@ Columns 76 76 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
LTPGOA5 'LIGHTNG EQUIP ASSIST: OTHER/NONE'
@ Columns 78 78 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
LTPGNA5 'LIGHTNG EQUIP ASSIST: DONT KNOW'
@ Columns 80 80 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
ENPGGI5 'ENVELOPE/SHELL ASSIST: GENRL INFORMATION'
@ Columns 82 82 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
ENPGSI5 'ENVELOPE/SHELL ASSIST: SITE-SPECIF INFO'
@ Columns 84 84 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
ENPGIN5 'ENVELOPE/SHELL ASSIST: INCENTIVES'
@ Columns 86 86 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
ENPGAR5 'ENVELOPE/SHELL ASSIST: ALTERNATIVE RATES'
@ Columns 88 88 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
ENPGFS5 'ENVELOPE/SHELL ASSIST: FUEL SWITCHING'
@ Columns 90 90 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
ENPGOA5 'ENVELOPE/SHELL ASSIST: OTHER/NONE'
@ Columns 92 92 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
ENPGFF5 'ENVELOPE/SHELL ASSIST: F.E.E.F.'
@ Columns 94 94 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9

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ENPGNA5 'ENVELOPE/SHELL ASSIST: DONT KNOW'
@ Columns 96 96 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
LCPGGI5 'DIR ELEC LOAD CTRL ASSIST: GEN INFO'
@ Columns 98 98 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
LCPGSI5 'DIR ELEC LOAD CTRL ASSIST: SITE-SPEC INF'
@ Columns 100 100 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
LCPGIN5 'DIR ELEC LOAD CTRL ASSIST: INCENTIVES'
@ Columns 102 102 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
LCPGAR5 'DIR ELEC LOAD CTRL ASSIST: ALTERN RATES'
@ Columns 104 104 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
LCPGFS5 'DIR ELEC LOAD CTRL ASSIST: FUEL SWITCHNG'
@ Columns 106 106 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
LCPGOA5 'DIR ELEC LOAD CTRL ASSIST: OTHER/NONE'
@ Columns 108 108 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
LCPGFF5 'DIR ELEC LOAD CTRL ASSIST: F.E.E.F.'
@ Columns 110 110 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
LCPGNA5 'DIR ELEC LOAD CTRL ASSIST: DONT KNOW'
@ Columns 112 112 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SGPGGI5 'STANDBY ELEC GEN ASSIST: GEN INFORMATION'
@ Columns 114 114 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SGPGSI5 'STANDBY ELEC GEN ASSIST: SITE-SPECIF INF'
@ Columns 116 116 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9

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SGPGIN5 'STANDBY ELEC GEN ASSIST: INCENTIVES'
@ Columns 118 118 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SGPGAR5 'STANDBY ELEC GEN ASSIST: ALTERN RATES'
@ Columns 120 120 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SGPGFS5 'STANDBY ELEC GEN ASSIST: FUEL SWITCHING'
@ Columns 122 122 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SGPGOA5 'STANDBY ELEC GEN ASSIST: OTHER/NONE'
@ Columns 124 124 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SGPGFF5 'STANDBY ELEC GEN ASSIST: F.E.E.F.'
@ Columns 126 126 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
SGPGNA5 'STANDBY ELEC GEN ASSIST: DONT KNOW'
@ Columns 128 128 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PHPGGI5 'PROCESS HEAT/COOL ASSIST: GENERAL INFO'
@ Columns 130 130 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PHPGSI5 'PROCESS HEAT/COOL ASSIST: SITE-SPEC INFO'
@ Columns 132 132 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PHPGIN5 'PROCESS HEAT/COOL ASSIST: INCENTIVES'
@ Columns 134 134 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PHPGAR5 'PROCESS HEAT/COOL ASSIST: ALTERN RATES'
@ Columns 136 136 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PHPGFS5 'PROCESS HEAT/COOL ASSIST: FUEL SWITCHING'
@ Columns 138 138 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9

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PHPGOA5 'PROCESS HEAT/COOL ASSIST: OTHER/NONE'
@ Columns 140 140 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PHPGFF5 'PROCESS HEAT/COOL ASSIST: F.E.E.F.'
@ Columns 142 142 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PHPGNA5 'PROCESS HEAT/COOL ASSIST: DONT KNOW'
@ Columns 144 144 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTPGGI5 'OTHER PROGRAM ASSISTANCE: GENERAL INFO'
@ Columns 146 146 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTPGSI5 'OTHER PROGRAM ASSISTANCE: SITE-SPEC INFO'
@ Columns 148 148 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTPGIN5 'OTHER PROGRAM ASSISTANCE: INCENTIVES'
@ Columns 150 150 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTPGAR5 'OTHER PROGRAM ASSISTANCE: ALTERN RATES'
@ Columns 152 152 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTPGFS5 'OTHER PROGRAM ASSISTANCE: FUEL SWITCHING'
@ Columns 154 154 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTPGOA5 'OTHER PROGRAM ASSISTANCE: OTHER/NONE'
@ Columns 156 156 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTPGFF5 'OTHER PROGRAM ASSISTANCE: F.E.E.F.'
@ Columns 158 158 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTPGNA5 'OTHER PROGRAM ASSISTANCE: DONT KNOW'
@ Columns 160 160 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9

```

```

STRATUM5 'STRATUM NUMBER'
@ Columns 162 163 99 @
'DOD: WEST VA, VA' = 01
'DOD: DE, PA' = 02
'DOD: MD, DIST. OF COL.' = 03
'NON-DOD: WEST VA, VA' = 04
'NON-DOD: DE, PA' = 05
'NON-DOD: MD, DIST. OF COL.' = 06
'DOD: OK, TX' = 07
'DOD: NM' = 08
'DOD: LA, AR' = 09
'NON-DOD: OK, TX' = 10
'NON-DOD: NM' = 11
'NON-DOD: LA, AR' = 12
'DOD: HI, CA' = 13
'DOD: AZ, NV' = 14
'NON-DOD: HI, CA' = 15
'NON-DOD: AZ, NV' = 16
ADJW5 'BUILDING WEIGHT'
@ Columns 165 176 99999999999 @

```

Layout for File 19: Imputation Flags for -- Sponsor and Type of Assistance for Heating
Equipment Retrofit
(FB94F19T.TXT & FB94F19D.DBF)

	Variable Description	Variable Name	Position	
CASEID	Building identifier	BLDGID5	1- 7	\$ 7.
REGION	Building federal region	FEDREG5	9- 9	\$FEDREG. \$ 1.
	Principal building activity	PBA5	11- 12	\$ACTIVITY. \$ 2.
A7	Square footage	SQFT5	14- 20	MISS9CH. 7.
A8	Square footage category	SQFTC5	22- 23	\$SQFTC. \$ 2.
A14	Year of construction category	YRCONC5	25- 26	\$YRCONC. \$ 2.
C1A	Electricity used in 1992	ELUSED5	28- 28	\$YESNO. \$ 1.
C1B	Natural gas used in 1992	NGUSED5	30- 30	\$YESNO. \$ 1.
C1C	Fuel oil used in 1992	FKUSED5	32- 32	\$YESNO. \$ 1.
C1E	District steam used in 1992	STUSED5	34- 34	\$YESNO. \$ 1.
C1F	District hot water in 1992	HWUSED5	36- 36	\$YESNO. \$ 1.
C1G	District chilled water in 1992	CWUSED5	38- 38	\$YESNO. \$ 1.
E18	Number of workers (all shifts)	TOTWK5	40- 44	MISS5CH. 5.
STRATUM	Variance stratum	STRATUM5	46- 47	\$ 2.
WEIGHT	Adjusted weight	ADJW5	49- 60	12.
	Imputed age of the furnace	ZFURNYR5	62- 62	\$ZVAR. \$ 1.
	Imputed retro/purch furnace, past 10 yrs	ZFURNRP5	64- 64	\$ZVAR. \$ 1.
	Imputed furnace sponsor: elec. utility	ZFURNEU5	66- 66	\$ZVAR. \$ 1.
	Imputed furnace sponsor: in-house	ZFURNIH5	68- 68	\$ZVAR. \$ 1.
	Imputed furnace sponsor: third-party	ZFURNTP5	70- 70	\$ZVAR. \$ 1.
	Imputed furnace sponsor: other	ZFURNOS5	72- 72	\$ZVAR. \$ 1.
	Imputed furnace sponsor: femp	ZFURNFM5	74- 74	\$ZVAR. \$ 1.
	Imputed furnace assistance: f.e.e.f.	ZFURNFF5	76- 76	\$ZVAR. \$ 1.
	Imputed furnace assistance: incentives	ZFURNIN5	78- 78	\$ZVAR. \$ 1.
	Imputed furnace assist.: altern. rates	ZFURNAR5	80- 80	\$ZVAR. \$ 1.
	Imputed furnace assist.: fuel switching	ZFURNFS5	82- 82	\$ZVAR. \$ 1.
	Imputed furnace assistance: other/nones	ZFURNOA5	84- 84	\$ZVAR. \$ 1.
	Imputed age of the heat pump	ZHTPHYR5	86- 86	\$ZVAR. \$ 1.
	Imputed retro/purch heat pump, 10 yrs	ZHTPHRP5	88- 88	\$ZVAR. \$ 1.
	Imputed heat pump sponsor: elec. utility	ZHTPHEU5	90- 90	\$ZVAR. \$ 1.
	Imputed heat pump sponsor: in-house	ZHTPHIH5	92- 92	\$ZVAR. \$ 1.
	Imputed heat pump sponsor: third-party	ZHTPHTP5	94- 94	\$ZVAR. \$ 1.
	Imputed heat pump sponsor: femp	ZHTPHFM5	96- 96	\$ZVAR. \$ 1.
	Imputed heat pump assist: f.e.e.f.	ZHTPHFF5	98- 98	\$ZVAR. \$ 1.
	Imputed heat pump assist: incentives	ZHTPHIN5	100- 100	\$ZVAR. \$ 1.
	Imputed heat pump assist: altern. rates	ZHTPHAR5	102- 102	\$ZVAR. \$ 1.
	Imputed heat pump assist: fuel switching	ZHTPHFS5	104- 104	\$ZVAR. \$ 1.
	Imputed heat pump assist: other program	ZHTPHOA5	106- 106	\$ZVAR. \$ 1.
	Imputed age of the space heaters	ZSLFCYR5	108- 108	\$ZVAR. \$ 1.
	Imputed retro/purch space heater, 10 yrs	ZSLFCRP5	110- 110	\$ZVAR. \$ 1.
	Imputed space heat sponsor: elec. util.	ZSLFCEU5	112- 112	\$ZVAR. \$ 1.
	Imputed space heater sponsor: in-house	ZSLFCIH5	114- 114	\$ZVAR. \$ 1.
	Imputed space heater sponsor: 3rd-party	ZSLFCTP5	116- 116	\$ZVAR. \$ 1.
	Imputed space heater sponsor: other	ZSLFCOS5	118- 118	\$ZVAR. \$ 1.
	Imputed space heater sponsor: femp	ZSLFCFM5	120- 120	\$ZVAR. \$ 1.
	Imputed space heater assist: f.e.e.f.	ZSLFCFF5	122- 122	\$ZVAR. \$ 1.
	Imputed space heater assist: incentives	ZSLFCIN5	124- 124	\$ZVAR. \$ 1.
	Imputed space heat assist: altern. rates	ZSLFCAR5	126- 126	\$ZVAR. \$ 1.

Imputed space heat assist: fuel switch	ZSLFCFS5	128- 128	\$ZVAR.	\$ 1.
Imputed space heater assist: other/none	ZSLFCOA5	130- 130	\$ZVAR.	\$ 1.
Imputed age of district steam/hot water	ZSTHWYR5	132- 132	\$ZVAR.	\$ 1.
Imp. retro/purch st./hot water - 10 yrs	ZSTHWRP5	134- 134	\$ZVAR.	\$ 1.
Imputed st./hot watr sponsor: elec util	ZSTHWEU5	136- 136	\$ZVAR.	\$ 1.
Imputed steam/hot watr sponsor: in-house	ZSTHWIH5	138- 138	\$ZVAR.	\$ 1.
Imputed st./hot watr sponsor: 3rd-party	ZSTHWTP5	140- 140	\$ZVAR.	\$ 1.
Imputed steam/hot watr sponsor: other	ZSTHWOS5	142- 142	\$ZVAR.	\$ 1.
Imputed steam/hot watr sponsor: femp	ZSTHWFM5	144- 144	\$ZVAR.	\$ 1.
Imputed steam/hot watr assist: f.e.e.f.	ZSTHWFF5	146- 146	\$ZVAR.	\$ 1.
Imputed steam/hot watr assist: incnt.	ZSTHWIN5	148- 148	\$ZVAR.	\$ 1.
Imp. steam/hot watr assist: altern rates	ZSTHWAR5	150- 150	\$ZVAR.	\$ 1.
Imp. steam/hot watr assist: fuel swtchn	ZSTHWFS5	152- 152	\$ZVAR.	\$ 1.
Imputed steam/hot watr assist: other	ZSTHWOA5	154- 154	\$ZVAR.	\$ 1.
Imputed age of the boiler	ZBOILYR5	156- 156	\$ZVAR.	\$ 1.
Imputed retro/purch boiler, past 10 yrs	ZBOILRP5	158- 158	\$ZVAR.	\$ 1.
Imputed boiler sponsor: elec. utility	ZBOILEU5	160- 160	\$ZVAR.	\$ 1.
Imputed boiler sponsor: in-house	ZBOILIH5	162- 162	\$ZVAR.	\$ 1.
Imputed boiler sponsor: third-party	ZBOILTP5	164- 164	\$ZVAR.	\$ 1.
Imputed boiler sponsor: other	ZBOILOS5	166- 166	\$ZVAR.	\$ 1.
Imputed boiler sponsor: femp	ZBOILFM5	168- 168	\$ZVAR.	\$ 1.
Imputed boiler assist: f.e.e.f.	ZBOILFF5	170- 170	\$ZVAR.	\$ 1.
Imputed boiler assist: incentives	ZBOILIN5	172- 172	\$ZVAR.	\$ 1.
Imputed boiler assist: alternative rates	ZBOILAR5	174- 174	\$ZVAR.	\$ 1.
Imputed boiler assist: fuel switching	ZBOILFS5	176- 176	\$ZVAR.	\$ 1.
Imputed boiler assist: other program	ZBOILOA5	178- 178	\$ZVAR.	\$ 1.
Imputed age of the packaged heat unit	ZPKGHYR5	180- 180	\$ZVAR.	\$ 1.
Imp. retro/purch packgd heat - 10 yrs	ZPKGHRP5	182- 182	\$ZVAR.	\$ 1.
Imputed packgd heat sponsor: elec. util	ZPKGHEU5	184- 184	\$ZVAR.	\$ 1.
Imputed packgd heat sponsor: in-house	ZPKGHIH5	186- 186	\$ZVAR.	\$ 1.
Imputed packgd heat sponsor: 3rd-party	ZPKGHTP5	188- 188	\$ZVAR.	\$ 1.
Imputed packgd heat unit sponsor: other	ZPKGHO55	190- 190	\$ZVAR.	\$ 1.
Imputed packgd heat unit sponsor: femp	ZPKGHF55	192- 192	\$ZVAR.	\$ 1.
Imputed packgd heat assist: f.e.e.f.	ZPKGHFF5	194- 194	\$ZVAR.	\$ 1.
Imputed packgd heat assist: incentives	ZPKGGIN5	196- 196	\$ZVAR.	\$ 1.
Imputed packgd heat assist: altern rates	ZPKG HAR5	198- 198	\$ZVAR.	\$ 1.
Imputed packgd heat assist: fuel switch	ZPKG HFS5	200- 200	\$ZVAR.	\$ 1.
Imputed packgd heat assist: other/none	ZPKGHOA5	202- 202	\$ZVAR.	\$ 1.
Imputed age of other heating equipment	ZOTHTYR5	204- 204	\$ZVAR.	\$ 1.
Imp. retro/purch other ht equip, 10 yrs	ZOTHTRP5	206- 206	\$ZVAR.	\$ 1.
Imputed other heat sponsor: elec. util	ZOTHTEU5	208- 208	\$ZVAR.	\$ 1.
Imputed other heat sponsor: in-house	ZOTHTIH5	210- 210	\$ZVAR.	\$ 1.
Imputed other heat sponsor: 3rd-party	ZOTHTTP5	212- 212	\$ZVAR.	\$ 1.
Imputed other heat equip sponsor: other	ZOTHTOS5	214- 214	\$ZVAR.	\$ 1.
Imputed other heat equip sponsor: femp	ZOTHTFM5	216- 216	\$ZVAR.	\$ 1.
Imputed other heat assist: f.e.e.f.	ZOTHTFF5	218- 218	\$ZVAR.	\$ 1.
Imputed other heat assist: incentives	ZOTHTIN5	220- 220	\$ZVAR.	\$ 1.
Imputed other heat assist: altern rates	ZOTHTAR5	222- 222	\$ZVAR.	\$ 1.
Imputed other heat assist: fuel switch	ZOTHTFS5	224- 224	\$ZVAR.	\$ 1.
Imputed other heat assist: other/none	ZOTHTOA5	226- 226	\$ZVAR.	\$ 1.
Imputed when shadings/awnings added	ZAWN DT5	228- 228	\$ZVAR.	\$ 1.

Variable Codes for File 19

```

BLDGID5  'BUILDING IDENTIFIER'
@ Columns      1      7  9999999 @
FEDREG5  'BUILDING FEDERAL REGION'
@ Columns      9      9  9 @
'FEDERAL REGION 3'      = 3
'FEDERAL REGION 6'      = 6
'FEDERAL REGION 9'      = 9
PBA5     'PRINCIPAL ACTIVITY'
@ Columns     11     12  99 @
'VACANT'                = 01
'OFFICE/PROFESSIONAL'   = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY'            = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES'            = 06
'PUBLIC ORDER/SAFETY'   = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG'  = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP'     = 12
'PUBLIC ASSEMBLY'       = 13

```

'EDUCATION'	=	14
'FOOD SERVICES'	=	15
'HOSPIT/INPAT HLTH SVCS'	=	16
'SKIL NURS/RESIDTL CARE'	=	17
'HOTEL/MOTEL/DORM'	=	18
'RESIDENTIAL'	=	19
'INDOOR ENCLSD PARK GAR'	=	20
'OTHER'	=	21
'ALL ACTIVITIES LT 75%'	=	22
'DK IF ONE ACTIV GT 75%'	=	98

SQFT5 'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'

@ Columns	14	20	9999999 @
-----------	----	----	-----------

9999998 = DONT KNOW
9999999 = NOT ASCERTAINED

SQFTC5 'GROSS SQUARE FOOTAGE, CATEGORY'

@ Columns	22	23	99 @
-----------	----	----	------

'10,000 OR LESS'	=	03
'10,001 - 25,000'	=	04
'25,001 - 50,000'	=	05
'50,001 - 100,000'	=	06
'100,001 - 200,000'	=	07
'200,001 - 500,000'	=	08
'500,001 - 1 MILLION'	=	09
'OVER 1 MILLION'	=	10
'DONT KNOW'	=	98

YRCONC5 'YEAR CONSTRUCTION COMPLETED (CATEGORY)'

@ Columns	25	26	99 @
-----------	----	----	------

'1899 OR BEFORE'	=	01
'1900-1919'	=	02
'1920-1945'	=	03
'1946-1959'	=	04
'1960-1969'	=	05
'1970-1979'	=	06
'1980-1989'	=	07
'1990-1992'	=	08
'1993-1994'	=	09

ELUSED5 'USE ELECTRICITY'

@ Columns	28	28	9 @
-----------	----	----	-----

'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9

NGUSED5 'USE NATURAL GAS'

@ Columns	30	30	9 @
-----------	----	----	-----

'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9

FKUSED5 'USE FUEL OIL, DIESEL, OR KEROSENE'

@ Columns	32	32	9 @
-----------	----	----	-----

'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9

STUSED5 'USE DISTRICT STEAM'

@ Columns	34	34	9 @
-----------	----	----	-----

'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9

HWUSED5 'USE DISTRICT HOT WATER'

@ Columns	36	36	9 @
-----------	----	----	-----

'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9

CWUSED5 'USE DISTRICT CHILLED WATER'

@ Columns	38	38	9 @
-----------	----	----	-----

'YES'	=	1
'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8

```

      'NOT ASCERTAINED'          = 9
TOTWK5  'NUM OF PEOPLE WHO WORK IN BLDG'
      @ Columns      40      44  99999 @
      99997 = INAPPLICABLE
      99998 = DONT KNOW
      99999 = NOT ASCERTAINED
STRATUM5 'STRATUM NUMBER'
      @ Columns      46      47   99 @
      'DOD: WEST VA, VA'          = 01
      'DOD: DE, PA'              = 02
      'DOD: MD, DIST. OF COL.'   = 03
      'NON-DOD: WEST VA, VA'     = 04
      'NON-DOD: DE, PA'         = 05
      'NON-DOD: MD, DIST. OF COL.' = 06
      'DOD: OK, TX'              = 07
      'DOD: NM'                  = 08
      'DOD: LA, AR'              = 09
      'NON-DOD: OK, TX'         = 10
      'NON-DOD: NM'             = 11
      'NON-DOD: LA, AR'         = 12
      'DOD: HI, CA'             = 13
      'DOD: AZ, NV'             = 14
      'NON-DOD: HI, CA'         = 15
      'NON-DOD: AZ, NV'         = 16
ADJW5   'BUILDING WEIGHT'
      @ Columns      49      60  999999999999 @
ZFURNYR5 'Imputed age of the furnace'
      @ Columns      62      62   9 @
ZFURNRP5 'Imputed retro/purch furnace, past 10 yrs'
      @ Columns      64      64   9 @
ZFURNEU5 'Imputed furnace sponsor: elec. utility'
      @ Columns      66      66   9 @
ZFURNIH5 'Imputed furnace sponsor: in-house'
      @ Columns      68      68   9 @
ZFURNTP5 'Imputed furnace sponsor: third-party'
      @ Columns      70      70   9 @
ZFURNOS5 'Imputed furnace sponsor: other'
      @ Columns      72      72   9 @
ZFURNFM5 'Imputed furnace sponsor: femp'
      @ Columns      74      74   9 @
ZFURNFF5 'Imputed furnace assistance: f.e.e.f.'
      @ Columns      76      76   9 @
ZFURNIN5 'Imputed furnace assistance: incentives'
      @ Columns      78      78   9 @
ZFURNAR5 'Imputed furnace assist.: altern. rates'
      @ Columns      80      80   9 @
ZFURNFS5 'Imputed furnace assist.: fuel switching'
      @ Columns      82      82   9 @
ZFURNOA5 'Imputed furnace assistance: other/nones'
      @ Columns      84      84   9 @
ZHTPHYR5 'Imputed age of the heat pump'
      @ Columns      86      86   9 @
ZHTPHRP5 'Imputed retro/purch heat pump, 10 yrs'
      @ Columns      88      88   9 @
ZHTPHEU5 'Imputed heat pump sponsor: elec. utility'
      @ Columns      90      90   9 @
ZHTPHIH5 'Imputed heat pump sponsor: in-house'
      @ Columns      92      92   9 @
ZHTPHTP5 'Imputed heat pump sponsor: third-party'
      @ Columns      94      94   9 @
ZHTPHFM5 'Imputed heat pump sponsor: femp'
      @ Columns      96      96   9 @
ZHTPHFF5 'Imputed heat pump assist: f.e.e.f.'
      @ Columns      98      98   9 @
ZHTPHIN5 'Imputed heat pump assist: incentives'
      @ Columns     100     100   9 @
ZHTPHAR5 'Imputed heat pump assist: altern. rates'
      @ Columns     102     102   9 @
ZHTPHFS5 'Imputed heat pump assist: fuel switching'
      @ Columns     104     104   9 @
ZHTPHOA5 'Imputed heat pump assist: other program'
      @ Columns     106     106   9 @
ZSLFCYR5 'Imputed age of the space heaters'
      @ Columns     108     108   9 @
ZSLFCRP5 'Imputed retro/purch space heater, 10 yrs'
      @ Columns     110     110   9 @
ZSLFCEU5 'Imputed space heat sponsor: elec. util.'

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@ Columns 112 112 9 @
ZSLFCIH5 'Imputed space heater sponsor: in-house'
@ Columns 114 114 9 @
ZSLFCTP5 'Imputed space heater sponsor: 3rd-party'
@ Columns 116 116 9 @
ZSLFCOS5 'Imputed space heater sponsor: other'
@ Columns 118 118 9 @
ZSLFCFM5 'Imputed space heater sponsor: femp'
@ Columns 120 120 9 @
ZSLFCFF5 'Imputed space heater assist: f.e.e.f.'
@ Columns 122 122 9 @
ZSLFCIN5 'Imputed space heater assist: incentives'
@ Columns 124 124 9 @
ZSLFCAR5 'Imputed space heat assist: altern. rates'
@ Columns 126 126 9 @
ZSLFCFS5 'Imputed space heat assist: fuel switch'
@ Columns 128 128 9 @
ZSLFCOA5 'Imputed space heater assist: other/none'
@ Columns 130 130 9 @
ZSTHWYR5 'Imputed age of district steam/hot water'
@ Columns 132 132 9 @
ZSTHWRP5 'Imp. retro/purch st./hot water - 10 yrs'
@ Columns 134 134 9 @
ZSTHWEU5 'Imputed st./hot watr sponsor: elec util'
@ Columns 136 136 9 @
ZSTHWIH5 'Imputed steam/hot watr sponsor: in-house'
@ Columns 138 138 9 @
ZSTHWTP5 'Imputed st./hot watr sponsor: 3rd-party'
@ Columns 140 140 9 @
ZSTHWOS5 'Imputed steam/hot watr sponsor: other'
@ Columns 142 142 9 @
ZSTHWMF5 'Imputed steam/hot watr sponsor: femp'
@ Columns 144 144 9 @
ZSTHWWF5 'Imputed steam/hot watr assist: f.e.e.f.'
@ Columns 146 146 9 @
ZSTHWIN5 'Imputed steam/hot watr assist: incent.'
@ Columns 148 148 9 @
ZSTHWAR5 'Imp. steam/hot watr assist: altern rates'
@ Columns 150 150 9 @
ZSTHWFS5 'Imp. steam/hot watr assist: fuel swtchnng'
@ Columns 152 152 9 @
ZSTHWOA5 'Imputed steam/hot watr assist: other'
@ Columns 154 154 9 @
ZBOILYR5 'Imputed age of the boiler'
@ Columns 156 156 9 @
ZBOILRP5 'Imputed retro/purch boiler, past 10 yrs'
@ Columns 158 158 9 @
ZBOILEU5 'Imputed boiler sponsor: elec. utility'
@ Columns 160 160 9 @
ZBOILIH5 'Imputed boiler sponsor: in-house'
@ Columns 162 162 9 @
ZBOILTP5 'Imputed boiler sponsor: third-party'
@ Columns 164 164 9 @
ZBOILOS5 'Imputed boiler sponsor: other'
@ Columns 166 166 9 @
ZBOILFM5 'Imputed boiler sponsor: femp'
@ Columns 168 168 9 @
ZBOILFF5 'Imputed boiler assist: f.e.e.f.'
@ Columns 170 170 9 @
ZBOILIN5 'Imputed boiler assist: incentives'
@ Columns 172 172 9 @
ZBOILAR5 'Imputed boiler assist: alternative rates'
@ Columns 174 174 9 @
ZBOILFS5 'Imputed boiler assist: fuel switching'
@ Columns 176 176 9 @
ZBOILOA5 'Imputed boiler assist: other program'
@ Columns 178 178 9 @
ZPKGHYR5 'Imputed age of the packaged heat unit'
@ Columns 180 180 9 @
ZPKGHRP5 'Imp. retro/purch packgd heat - 10 yrs'
@ Columns 182 182 9 @
ZPKGHEU5 'Imputed packgd heat sponsor: elec. util'
@ Columns 184 184 9 @
ZPKGHIH5 'Imputed packgd heat sponsor: in-house'
@ Columns 186 186 9 @
ZPKGHTP5 'Imputed packgd heat sponsor: 3rd-party'
@ Columns 188 188 9 @

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ZPKGHO5 'Imputed packgd heat unit sponsor: other'
 @ Columns 190 190 9 @
 ZPKGHF5 'Imputed packgd heat unit sponsor: femp'
 @ Columns 192 192 9 @
 ZPKGHF5 'Imputed packgd heat assist: f.e.e.f.'
 @ Columns 194 194 9 @
 ZPKGHI5 'Imputed packgd heat assist: incentives'
 @ Columns 196 196 9 @
 ZPKGHA5 'Imputed packgd heat assist: altern rates'
 @ Columns 198 198 9 @
 ZPKGHS5 'Imputed packgd heat assist: fuel switch'
 @ Columns 200 200 9 @
 ZPKGHOA5 'Imputed packgd heat assist: other/none'
 @ Columns 202 202 9 @
 ZOTHTYR5 'Imputed age of other heating equipment'
 @ Columns 204 204 9 @
 ZOTHTRP5 'Imp. retro/purch other ht equip, 10 yrs'
 @ Columns 206 206 9 @
 ZOTHTEU5 'Imputed other heat sponsor: elec. util'
 @ Columns 208 208 9 @
 ZOTHTIH5 'Imputed other heat sponsor: in-house'
 @ Columns 210 210 9 @
 ZOTHTTP5 'Imputed other heat sponsor: 3rd-party'
 @ Columns 212 212 9 @
 ZOTHTOS5 'Imputed other heat equip sponsor: other'
 @ Columns 214 214 9 @
 ZOTHTFM5 'Imputed other heat equip sponsor: femp'
 @ Columns 216 216 9 @
 ZOTHTFF5 'Imputed other heat assist: f.e.e.f.'
 @ Columns 218 218 9 @
 ZOTHTIN5 'Imputed other heat assist: incentives'
 @ Columns 220 220 9 @
 ZOTHTAR5 'Imputed other heat assist: altern rates'
 @ Columns 222 222 9 @
 ZOTHTFS5 'Imputed other heat assist: fuel switch'
 @ Columns 224 224 9 @
 ZOTHTOA5 'Imputed other heat assist: other/none'
 @ Columns 226 226 9 @
 ZAWNDT5 'Imputed when shadings/awnings added'
 @ Columns 228 228 9 @

Layout for File 20: Imputation Flags for -- Refrigeration Equipment, Water Heating
 Equipment, Electricity Generation, Sponsor of: Thermal Energy
 Storage, Water Heating Retrofits, Lighting Retrofits and DSM Programs
 (FB94F20T.TXT & FB94F20D.DBF)

	Variable Description	Variable Name	Position	
CASEID	Building identifier	BLDGID5	1- 7	\$ 7.
REGION	Building federal region	FEDREG5	9- 9	\$FEDREG. \$ 1.
	Principal building activity	PBA5	11- 12	\$ACTIVITY. \$ 2.
A7	Square footage	SQFT5	14- 20	MISS9CH. 7.
A8	Square footage category	SQFTC5	22- 23	\$SQFTC. \$ 2.
A14	Year of construction category	YRCONC5	25- 26	\$YRCONC. \$ 2.
C1A	Electricity used in 1992	ELUSED5	28- 28	\$YESNO. \$ 1.
C1B	Natural gas used in 1992	NGUSED5	30- 30	\$YESNO. \$ 1.
C1C	Fuel oil used in 1992	FKUSED5	32- 32	\$YESNO. \$ 1.
C1E	District steam used in 1992	STUSED5	34- 34	\$YESNO. \$ 1.
C1F	District hot water in 1992	HWUSED5	36- 36	\$YESNO. \$ 1.
C1G	District chilled water in 1992	CWUSED5	38- 38	\$YESNO. \$ 1.
E18	Number of workers (all shifts)	TOTWK5	40- 44	MISS5CH. 5.
STRATUM	Variance stratum	STRATUM5	46- 47	\$ 2.
WEIGHT	Adjusted weight	ADJWT5	49- 60	12.
	Imputed TES sponsored by elec util	ZTSPGEU5	62- 62	\$ZVAR. \$ 1.
	Imputed TES sponsored in house	ZTSPGIH5	64- 64	\$ZVAR. \$ 1.
	Imputed TES sponsored by third party	ZTSPGTP5	66- 66	\$ZVAR. \$ 1.
	Imputed TES sponsored by other	ZTSPGOS5	68- 68	\$ZVAR. \$ 1.
	Imputed tes sponsor: femp	ZTSPGFM5	70- 70	\$ZVAR. \$ 1.
	Imputed refriger./freezer equip present	ZRFGEQP5	72- 72	\$ZVAR. \$ 1.
	Imputed age of refrigeration equipment	ZRFQYR5	74- 74	\$ZVAR. \$ 1.
	Imputed retro/pur refriger, past 10 yrs	ZRFQRP5	76- 76	\$ZVAR. \$ 1.
	Imputed refriger/freezer walk-in units	ZRFGWI5	78- 78	\$ZVAR. \$ 1.
	Imputed number of walk-in units	ZRFGWIN5	80- 80	\$ZVAR. \$ 1.
	Imputed refriger./freezer cases/cabinets	ZRFGCAS5	82- 82	\$ZVAR. \$ 1.
	Imputed water heat sys cent./dist.	ZWHTCD5	84- 84	\$ZVAR. \$ 1.

Imputed cent. storage tank water heater	ZWCTNK5	86-	86	\$ZVAR.	\$	1.
Imputed water heat drawn from space heat	ZWCSPC5	88-	88	\$ZVAR.	\$	1.
Imputed other cent. water heating system	ZWCOTH5	90-	90	\$ZVAR.	\$	1.
Imputed res.-type st. tank water heaters	ZWDRES5	92-	92	\$ZVAR.	\$	1.
Imputed instantaneous water heaters	ZWDINS5	94-	94	\$ZVAR.	\$	1.
Imputed other dist. water heating system	ZWDOTH5	96-	96	\$ZVAR.	\$	1.
Imputed age of water heat equipment	ZWHTQYR5	98-	98	\$ZVAR.	\$	1.
Imputed retro/pur wtr ht eqp, 10 yrs	ZWHTQRP5	100-	100	\$ZVAR.	\$	1.
Imputed water heat pgm. spons. elec util	ZWHPGEU5	102-	102	\$ZVAR.	\$	1.
Imputed water heat pgm. spons. in house	ZWHPGIH5	104-	104	\$ZVAR.	\$	1.
Imputed water heat pgm. spons. 3rd party	ZWHPGTP5	106-	106	\$ZVAR.	\$	1.
Imputed water heating pgm. spons. other	ZWHPGOS5	108-	108	\$ZVAR.	\$	1.
Imputed water heat equip sponsor: femp	ZWHPGFM5	110-	110	\$ZVAR.	\$	1.
Imputed lighting pgm. spons. elec util	ZLTPGEU5	112-	112	\$ZVAR.	\$	1.
Imputed lighting pgm. spons. in house	ZLTPGIH5	114-	114	\$ZVAR.	\$	1.
Imputed lighting pgm. spons. 3rd party	ZLTPGTP5	116-	116	\$ZVAR.	\$	1.
Imputed lighting pgm. spons. by other	ZLTPGOS5	118-	118	\$ZVAR.	\$	1.
Imputed lightng equip sponsor: femp	ZLTPGFM5	120-	120	\$ZVAR.	\$	1.
Imputed bldg. shl. pgm. spons. elec util	ZENPGEU5	122-	122	\$ZVAR.	\$	1.
Imputed bldg. shell pgm. spons. gas util	ZENPGGU5	124-	124	\$ZVAR.	\$	1.
Imputed bldg. shell pgm. spons. in house	ZENPGIH5	126-	126	\$ZVAR.	\$	1.
Imputed bldg. shl. pgm. spons. 3rd party	ZENPGTP5	128-	128	\$ZVAR.	\$	1.
Imputed bldg. shell pgm. spons. by other	ZENPGOS5	130-	130	\$ZVAR.	\$	1.
Imputed envelope/shell sponsor: femp	ZENPGFM5	132-	132	\$ZVAR.	\$	1.
Imputed load control spons. elec utility	ZLCPGEU5	134-	134	\$ZVAR.	\$	1.
Imputed load control spons. gas utility	ZLCPGGU5	136-	136	\$ZVAR.	\$	1.
Imputed load control sponsored in house	ZLCPGIH5	138-	138	\$ZVAR.	\$	1.
Imputed load control spons. third party	ZLCPGTP5	140-	140	\$ZVAR.	\$	1.
Imputed load control sponsored by other	ZLCPGOS5	142-	142	\$ZVAR.	\$	1.
Imputed dir elec load ctrl spon: femp	ZLCPGFM5	144-	144	\$ZVAR.	\$	1.
Imputed standby gener. spons. elec util	ZSGPGEU5	146-	146	\$ZVAR.	\$	1.
Imputed standby gener. spons. gas util	ZSGPGGU5	148-	148	\$ZVAR.	\$	1.
Imputed standby gener. spons. in house	ZSGPGIH5	150-	150	\$ZVAR.	\$	1.
Imputed standby gener. spons. 3rd party	ZSGPGTP5	152-	152	\$ZVAR.	\$	1.
Imputed standby gener. spons. other	ZSGPGOS5	154-	154	\$ZVAR.	\$	1.
Imputed standby elec gen sponsor: femp	ZSGPGFM5	156-	156	\$ZVAR.	\$	1.
Imputed proc heat/cool spons. elec util	ZPHPGEU5	158-	158	\$ZVAR.	\$	1.
Imputed proc heat/cool spons. gas util	ZPHPGGU5	160-	160	\$ZVAR.	\$	1.
Imputed proc heat/cool spons. in house	ZPHPGIH5	162-	162	\$ZVAR.	\$	1.
Imputed proc heat/cool spons. 3rd party	ZPHPGTP5	164-	164	\$ZVAR.	\$	1.
Imputed process heat/cool spons. other	ZPHPGOS5	166-	166	\$ZVAR.	\$	1.
Imputed process heat/cool sponsor: femp	ZHPHPGFM5	168-	168	\$ZVAR.	\$	1.
Imputed other DSM pgm. spons. elec util	ZOTPGEU5	170-	170	\$ZVAR.	\$	1.
Imputed other DSM pgm. spons. gas util	ZOTPGGU5	172-	172	\$ZVAR.	\$	1.
Imputed other DSM pgm. spons. in house	ZOTPGIH5	174-	174	\$ZVAR.	\$	1.
Imputed other DSM pgm. spons. 3rd party	ZOTPGTP5	176-	176	\$ZVAR.	\$	1.
Imputed other DSM pgm. spons. other	ZOTPGOS5	178-	178	\$ZVAR.	\$	1.
Imputed other program sponsor: femp	ZOTPGFM5	180-	180	\$ZVAR.	\$	1.
Imputed electric generating capability	ZGENER5	182-	182	\$ZVAR.	\$	1.
Imputed generated elec consumed in bldg.	ZGENBLD5	184-	184	\$ZVAR.	\$	1.
Imputed generated elec deliv. utility	ZGENUTL5	186-	186	\$ZVAR.	\$	1.
Imputed generated elec deliv. other bldg	ZGENOTB5	188-	188	\$ZVAR.	\$	1.
Imputed no electricity generated in 1992	ZGENOFF5	190-	190	\$ZVAR.	\$	1.
Imputed gen on site: dont know	ZGENDK5	192-	192	\$ZVAR.	\$	1.

Variable Codes for File 20

```

BLDGID5  'BUILDING IDENTIFIER'
@ Columns 1 7 9999999 @
FEDREG5  'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5     'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10

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'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP'      = 12
'PUBLIC ASSEMBLY'        = 13
'EDUCATION'              = 14
'FOOD SERVICES'          = 15
'HOSPIT/INPAT HLTH SVCS' = 16
'SKIL NURS/RESIDTL CARE' = 17
'HOTEL/MOTEL/DORM'       = 18
'RESIDENTIAL'            = 19
'INDOOR ENCLSD PARK GAR' = 20
'OTHER'                  = 21
'ALL ACTIVITIES LT 75%'  = 22
'DK IF ONE ACTIV GT 75%' = 98
SQFT5  'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'
@ Columns 14 20 9999999 @
9999998 = DONT KNOW
9999999 = NOT ASCERTAINED
SQFTC5  'GROSS SQUARE FOOTAGE, CATEGORY'
@ Columns 22 23 99 @
'10,000 OR LESS'          = 03
'10,001 - 25,000'         = 04
'25,001 - 50,000'         = 05
'50,001 - 100,000'        = 06
'100,001 - 200,000'       = 07
'200,001 - 500,000'       = 08
'500,001 - 1 MILLION'     = 09
'OVER 1 MILLION'          = 10
'DONT KNOW'               = 98
YRCONC5 'YEAR CONSTRUCTION COMPLETED (CATEGORY)'
@ Columns 25 26 99 @
'1899 OR BEFORE'          = 01
'1900-1919'               = 02
'1920-1945'               = 03
'1946-1959'               = 04
'1960-1969'               = 05
'1970-1979'               = 06
'1980-1989'               = 07
'1990-1992'               = 08
'1993-1994'               = 09
ELUSED5 'USE ELECTRICITY'
@ Columns 28 28 9 @
'YES'                     = 1
'NO'                      = 2
'INAPPLICABLE'            = 7
'DONT KNOW'               = 8
'NOT ASCERTAINED'         = 9
NGUSED5 'USE NATURAL GAS'
@ Columns 30 30 9 @
'YES'                     = 1
'NO'                      = 2
'INAPPLICABLE'            = 7
'DONT KNOW'               = 8
'NOT ASCERTAINED'         = 9
FKUSED5 'USE FUEL OIL, DIESEL, OR KEROSENE'
@ Columns 32 32 9 @
'YES'                     = 1
'NO'                      = 2
'INAPPLICABLE'            = 7
'DONT KNOW'               = 8
'NOT ASCERTAINED'         = 9
STUSED5 'USE DISTRICT STEAM'
@ Columns 34 34 9 @
'YES'                     = 1
'NO'                      = 2
'INAPPLICABLE'            = 7
'DONT KNOW'               = 8
'NOT ASCERTAINED'         = 9
HWUSED5 'USE DISTRICT HOT WATER'
@ Columns 36 36 9 @
'YES'                     = 1
'NO'                      = 2
'INAPPLICABLE'            = 7
'DONT KNOW'               = 8
'NOT ASCERTAINED'         = 9
CWUSED5 'USE DISTRICT CHILLED WATER'
@ Columns 38 38 9 @
'YES'                     = 1

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'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
TOTWK5 'NUM OF PEOPLE WHO WORK IN BLDG'
@ Columns 40 44 99999 @
99997 = INAPPLICABLE
99998 = DONT KNOW
99999 = NOT ASCERTAINED
STRATUM5 'STRATUM NUMBER'
@ Columns 46 47 99 @
'DOD: WEST VA, VA' = 01
'DOD: DE, PA' = 02
'DOD: MD, DIST. OF COL.' = 03
'NON-DOD: WEST VA, VA' = 04
'NON-DOD: DE, PA' = 05
'NON-DOD: MD, DIST. OF COL.' = 06
'DOD: OK, TX' = 07
'DOD: NM' = 08
'DOD: LA, AR' = 09
'NON-DOD: OK, TX' = 10
'NON-DOD: NM' = 11
'NON-DOD: LA, AR' = 12
'DOD: HI, CA' = 13
'DOD: AZ, NV' = 14
'NON-DOD: HI, CA' = 15
'NON-DOD: AZ, NV' = 16
ADJWT5 'BUILDING WEIGHT'
@ Columns 49 60 99999999999 @
ZTSPGEU5 'Imputed TES sponsored by elec util'
@ Columns 62 62 9 @
ZTSPGIH5 'Imputed TES sponsored in house'
@ Columns 64 64 9 @
ZTSPGTP5 'Imputed TES sponsored by third party'
@ Columns 66 66 9 @
ZTSPGOS5 'Imputed TES sponsored by other'
@ Columns 68 68 9 @
ZTSPGFM5 'Imputed tes sponsor: femp'
@ Columns 70 70 9 @
ZRFGQP5 'Imputed refrig./freezer equip present'
@ Columns 72 72 9 @
ZRFGQYR5 'Imputed age of refrigeration equipment'
@ Columns 74 74 9 @
ZRFGQRP5 'Imputed retro/pur refrig, past 10 yrs'
@ Columns 76 76 9 @
ZRFGWI5 'Imputed refrig/freezer walk-in units'
@ Columns 78 78 9 @
ZRFGWIN5 'Imputed number of walk-in units'
@ Columns 80 80 9 @
ZRFGCAS5 'Imputed refrig./freezer cases/cabinets'
@ Columns 82 82 9 @
ZWTHTCD5 'Imputed water heat sys cent./dist.'
@ Columns 84 84 9 @
ZWCTNK5 'Imputed cent. storage tank water heater'
@ Columns 86 86 9 @
ZWCSPC5 'Imputed water heat drawn from space heat'
@ Columns 88 88 9 @
ZWCOTH5 'Imputed other cent. water heating system'
@ Columns 90 90 9 @
ZWDRES5 'Imputed res.-type st. tank water heaters'
@ Columns 92 92 9 @
ZWDINS5 'Imputed instantaneous water heaters'
@ Columns 94 94 9 @
ZWDOTH5 'Imputed other dist. water heating system'
@ Columns 96 96 9 @
ZWHTQYR5 'Imputed age of water heat equipment'
@ Columns 98 98 9 @
ZWHTQRP5 'Imputed retro/pur wtr ht eqp, 10 yrs'
@ Columns 100 100 9 @
ZWHPGEU5 'Imputed water heat pgm. spons. elec util'
@ Columns 102 102 9 @
ZWHPGIH5 'Imputed water heat pgm. spons. in house'
@ Columns 104 104 9 @
ZWHPGTP5 'Imputed water heat pgm. spons. 3rd party'
@ Columns 106 106 9 @
ZWHPGOS5 'Imputed water heating pgm. spons. other'
@ Columns 108 108 9 @

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ZWHPGFM5 'Imputed water heat equip sponsor: femp'
 @ Columns 110 110 9 @
 ZLTPGEU5 'Imputed lighting pgm. spons. elec util'
 @ Columns 112 112 9 @
 ZLTPGIH5 'Imputed lighting pgm. spons. in house'
 @ Columns 114 114 9 @
 ZLTPGTP5 'Imputed lighting pgm. spons. 3rd party'
 @ Columns 116 116 9 @
 ZLTPGOS5 'Imputed lighting pgm. spons. by other'
 @ Columns 118 118 9 @
 ZLTPGFM5 'Imputed lightng equip sponsor: femp'
 @ Columns 120 120 9 @
 ZENPGEU5 'Imputed bldg. shl. pgm. spons. elec util'
 @ Columns 122 122 9 @
 ZENPGGU5 'Imputed bldg. shell pgm. spons. gas util'
 @ Columns 124 124 9 @
 ZENPGIH5 'Imputed bldg. shell pgm. spons. in house'
 @ Columns 126 126 9 @
 ZENPGTP5 'Imputed bldg. shl. pgm. spons. 3rd party'
 @ Columns 128 128 9 @
 ZENPGOS5 'Imputed bldg. shell pgm. spons. by other'
 @ Columns 130 130 9 @
 ZENPGFM5 'Imputed envelope/shell sponsor: femp'
 @ Columns 132 132 9 @
 ZLCPGEU5 'Imputed load control spons. elec utility'
 @ Columns 134 134 9 @
 ZLCPGGU5 'Imputed load control spons. gas utility'
 @ Columns 136 136 9 @
 ZLCPGIH5 'Imputed load control sponsored in house'
 @ Columns 138 138 9 @
 ZLCPGTP5 'Imputed load control spons. third party'
 @ Columns 140 140 9 @
 ZLCPGOS5 'Imputed load control sponsored by other'
 @ Columns 142 142 9 @
 ZLCPGFM5 'Imputed dir elec load ctrl spon: femp'
 @ Columns 144 144 9 @
 ZSGPGEU5 'Imputed standby gener. spons. elec util'
 @ Columns 146 146 9 @
 ZSGPGGU5 'Imputed standby gener. spons. gas util'
 @ Columns 148 148 9 @
 ZSGPGIH5 'Imputed standby gener. spons. in house'
 @ Columns 150 150 9 @
 ZSGPGTP5 'Imputed standby gener. spons. 3rd party'
 @ Columns 152 152 9 @
 ZSGPGOS5 'Imputed standby gener. spons. other'
 @ Columns 154 154 9 @
 ZSGPGFM5 'Imputed standby elec gen sponsor: femp'
 @ Columns 156 156 9 @
 ZPHPGEU5 'Imputed proc heat/cool spons. elec util'
 @ Columns 158 158 9 @
 ZPHPGGU5 'Imputed proc heat/cool spons. gas util'
 @ Columns 160 160 9 @
 ZPHPGIH5 'Imputed proc heat/cool spons. in house'
 @ Columns 162 162 9 @
 ZPHPGTP5 'Imputed proc heat/cool spons. 3rd party'
 @ Columns 164 164 9 @
 ZPHPGOS5 'Imputed process heat/cool spons. other'
 @ Columns 166 166 9 @
 ZPHPGFM5 'Imputed process heat/cool sponsor: femp'
 @ Columns 168 168 9 @
 ZOTPGEU5 'Imputed other DSM pgm. spons. elec util'
 @ Columns 170 170 9 @
 ZOTPGGU5 'Imputed other DSM pgm. spons. gas util'
 @ Columns 172 172 9 @
 ZOTPGIH5 'Imputed other DSM pgm. spons. in house'
 @ Columns 174 174 9 @
 ZOTPGTP5 'Imputed other DSM pgm. spons. 3rd party'
 @ Columns 176 176 9 @
 ZOTPGOS5 'Imputed other DSM pgm. spons. other'
 @ Columns 178 178 9 @
 ZOTPGFM5 'Imputed other program sponsor: femp'
 @ Columns 180 180 9 @
 ZGENER5 'Imputed electric generating capability'
 @ Columns 182 182 9 @
 ZGENBLD5 'Imputed generated elec consumed in bldg.'
 @ Columns 184 184 9 @
 ZGENUTL5 'Imputed generated elec deliv. utility'

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@ Columns 186 186 9 @
ZGENOTB5 'Imputed generated elec deliv. other bldg'
@ Columns 188 188 9 @
ZGENOFF5 'Imputed no electricity generated in 1992'
@ Columns 190 190 9 @
ZGENDK5 'Imputed gen on site: dont know'
@ Columns 192 192 9 @

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Layout for File 21: Imputation Flags for -- Type of Assistance for: Thermal Energy
Storage, Water Heating Retrofits, Lighting Retrofits and DSM Programs
(FB94F21T.TXT & FB94F21D.DBF)

Variable	Description	Variable Name	Position		
CASEID	Building identifier	BLDGID5	1- 7		\$ 7.
REGION	Building federal region	FEDREG5	9- 9	\$FEDREG.	\$ 1.
	Principal building activity	PBA5	11- 12	\$ACTIVITY.	\$ 2.
A7	Square footage	SQFT5	14- 20	MISS9CH.	7.
A8	Square footage category	SQFTC5	22- 23	\$SQFTC.	\$ 2.
A14	Year of construction category	YRCONC5	25- 26	\$YRCONC.	\$ 2.
C1A	Electricity used in 1992	ELUSED5	28- 28	\$YESNO.	\$ 1.
C1B	Natural gas used in 1992	NGUSED5	30- 30	\$YESNO.	\$ 1.
C1C	Fuel oil used in 1992	FKUSED5	32- 32	\$YESNO.	\$ 1.
C1E	District steam used in 1992	STUSED5	34- 34	\$YESNO.	\$ 1.
C1F	District hot water in 1992	HWUSED5	36- 36	\$YESNO.	\$ 1.
C1G	District chilled water in 1992	CWUSED5	38- 38	\$YESNO.	\$ 1.
E18	Number of workers (all shifts)	TOTWK5	40- 44	MISS5CH.	5.
STRATUM	Variance stratum	STRATUM5	46- 47		\$ 2.
WEIGHT	Adjusted weight	ADJWT5	49- 60		12.
	Imputed tes assistance: f.e.e.f.	ZTSPGFF5	62- 62	\$ZVAR.	\$ 1.
	Imputed incentives recvd. TES	ZTSPGIN5	64- 64	\$ZVAR.	\$ 1.
	Imputed alternative rates recvd. TES	ZTSPGAR5	66- 66	\$ZVAR.	\$ 1.
	Imputed fuel switching recvd. TES	ZTSPGFS5	68- 68	\$ZVAR.	\$ 1.
	Imputed other assistance recvd. TES	ZTSPGOA5	70- 70	\$ZVAR.	\$ 1.
	Imputed tes assistance: dont know	ZTSPGNA5	72- 72	\$ZVAR.	\$ 1.
	Imputed water ht equip assist: f.e.e.f.	ZWHPGFF5	74- 74	\$ZVAR.	\$ 1.
	Imputed incentives recvd. water heating	ZWHPGIN5	76- 76	\$ZVAR.	\$ 1.
	Imputed altern. rates recvd. water heat	ZWHPGAR5	78- 78	\$ZVAR.	\$ 1.
	Imputed fuel switch recvd. water heating	ZWHPGFS5	80- 80	\$ZVAR.	\$ 1.
	Imputed other assist. recvd. water heat	ZWHPGOA5	82- 82	\$ZVAR.	\$ 1.
	Imputed lightng equip assist: f.e.e.f.	ZLTPGFF5	84- 84	\$ZVAR.	\$ 1.
	Imputed incentives recvd. for lighting	ZLTPGIN5	86- 86	\$ZVAR.	\$ 1.
	Imputed altern. rates recvd. lighting	ZLTPGAR5	88- 88	\$ZVAR.	\$ 1.
	Imputed fuel switching recvd. lighting	ZLTPGFS5	90- 90	\$ZVAR.	\$ 1.
	Imputed other assistance recvd. lighting	ZLTPGOA5	92- 92	\$ZVAR.	\$ 1.
	Imputed general info. recvd. bldg. shell	ZENPGGI5	94- 94	\$ZVAR.	\$ 1.
	Imputed site spec info. bldg. shell	ZENPGSI5	96- 96	\$ZVAR.	\$ 1.
	Imputed incentives recvd. bldg. shell	ZENPGIN5	98- 98	\$ZVAR.	\$ 1.
	Imputed altern. rates recvd. bldg. shell	ZENPGAR5	100- 100	\$ZVAR.	\$ 1.
	Imputed fuel switch recvd. bldg. shell	ZENPGFS5	102- 102	\$ZVAR.	\$ 1.
	Imputed other assist. recvd. bldg. shell	ZENPGOA5	104- 104	\$ZVAR.	\$ 1.
	Imputed envelope/shell assist: f.e.e.f.	ZENPGFF5	106- 106	\$ZVAR.	\$ 1.
	Imputed general info recvd. load control	ZLCPGGI5	108- 108	\$ZVAR.	\$ 1.
	Imputed site-spec info recvd. load ctl.	ZLCPGSI5	110- 110	\$ZVAR.	\$ 1.
	Imputed incentives recvd. load control	ZLCPGIN5	112- 112	\$ZVAR.	\$ 1.
	Imputed altern. rates recvd. load ctl.	ZLCPGAR5	114- 114	\$ZVAR.	\$ 1.
	Imputed fuel switching recvd. load ctl.	ZLCPGFS5	116- 116	\$ZVAR.	\$ 1.
	Imputed other assist. recvd. load ctl.	ZLCPGOA5	118- 118	\$ZVAR.	\$ 1.
	Imputed dir load ctrl assist: f.e.e.f.	ZLCPGFF5	120- 120	\$ZVAR.	\$ 1.
	Imputed gen info recvd. standby gener.	ZSGPGGI5	122- 122	\$ZVAR.	\$ 1.
	Imputed site spec info standby gener.	ZSGPGSI5	124- 124	\$ZVAR.	\$ 1.
	Imputed incentives recvd. standby gener.	ZSGPGIN5	126- 126	\$ZVAR.	\$ 1.
	Imputed alternative rates standby gener.	ZSGPGAR5	128- 128	\$ZVAR.	\$ 1.
	Imputed fuel switching standby gener.	ZSGPGFS5	130- 130	\$ZVAR.	\$ 1.
	Imputed other assist. standby gener.	ZSGPGOA5	132- 132	\$ZVAR.	\$ 1.
	Imputed standby gen assist: f.e.e.f.	ZSGPGFF5	134- 134	\$ZVAR.	\$ 1.
	Imputed gen info recvd. proc heat/cool	ZPHPGGI5	136- 136	\$ZVAR.	\$ 1.
	Imputed site-spec info proc heat/cool	ZPHPGSI5	138- 138	\$ZVAR.	\$ 1.
	Imputed incentives process heat/cool	ZPHPGIN5	140- 140	\$ZVAR.	\$ 1.
	Imputed alternate rates proc heat/cool	ZPHPGAR5	142- 142	\$ZVAR.	\$ 1.
	Imputed fuel switching proc heat/cool	ZPHPGFS5	144- 144	\$ZVAR.	\$ 1.
	Imputed other assist. process heat/cool	ZPHPGOA5	146- 146	\$ZVAR.	\$ 1.
	Imputed process ht/cool assist: f.e.e.f.	ZPHPGFF5	148- 148	\$ZVAR.	\$ 1.
	Imputed general info recvd. other pgm.	ZOTPGGI5	150- 150	\$ZVAR.	\$ 1.
	Imputed site-spec info recvd. other pgm.	ZOTPGSI5	152- 152	\$ZVAR.	\$ 1.

Imputed incentives recvd. for other pgm.	ZOTPGIN5	154- 154	\$ZVAR.	\$ 1.
Imputed altern. rates recvd. other pgm.	ZOTPGAR5	156- 156	\$ZVAR.	\$ 1.
Imputed fuel switching recvd. other pgm.	ZOTPGFS5	158- 158	\$ZVAR.	\$ 1.
Imputed other assist. recvd. other pgm.	ZOTPGOA5	160- 160	\$ZVAR.	\$ 1.
Imputed other program asst: f.e.e.f.	ZOTPGFF5	162- 162	\$ZVAR.	\$ 1.

Variable Codes for File 21

```

BLDGID5 'BUILDING IDENTIFIER'
@ Columns 1 7 999999 @
FEDREG5 'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5 'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETAL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP' = 12
'PUBLIC ASSEMBLY' = 13
'EDUCATION' = 14
'FOOD SERVICES' = 15
'HOSPIT/INPAT HLTH SVCS' = 16
'SKIL NURS/RESIDTL CARE' = 17
'HOTEL/MOTEL/DORM' = 18
'RESIDENTIAL' = 19
'INDOOR ENCLSD PARK GAR' = 20
'OTHER' = 21
'ALL ACTIVITIES LT 75%' = 22
'DK IF ONE ACTIV GT 75%' = 98
SQFT5 'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'
@ Columns 14 20 999999 @
9999998 = DONT KNOW
9999999 = NOT ASCERTAINED
SQFTC5 'GROSS SQUARE FOOTAGE, CATEGORY'
@ Columns 22 23 99 @
'10,000 OR LESS' = 03
'10,001 - 25,000' = 04
'25,001 - 50,000' = 05
'50,001 - 100,000' = 06
'100,001 - 200,000' = 07
'200,001 - 500,000' = 08
'500,001 - 1 MILLION' = 09
'OVER 1 MILLION' = 10
'DONT KNOW' = 98
YRCONC5 'YEAR CONSTRUCTION COMPLETED (CATEGORY)'
@ Columns 25 26 99 @
'1899 OR BEFORE' = 01
'1900-1919' = 02
'1920-1945' = 03
'1946-1959' = 04
'1960-1969' = 05
'1970-1979' = 06
'1980-1989' = 07
'1990-1992' = 08
'1993-1994' = 09
ELUSED5 'USE ELECTRICITY'
@ Columns 28 28 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
NGUSED5 'USE NATURAL GAS'
@ Columns 30 30 9 @
'YES' = 1

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      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
FKUSED5 'USE FUEL OIL, DIESEL, OR KEROSENE'
  @ Columns 32 32 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
STUSED5 'USE DISTRICT STEAM'
  @ Columns 34 34 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
HWUSED5 'USE DISTRICT HOT WATER'
  @ Columns 36 36 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
CWUSED5 'USE DISTRICT CHILLED WATER'
  @ Columns 38 38 9 @
      'YES' = 1
      'NO' = 2
      'INAPPLICABLE' = 7
      'DONT KNOW' = 8
      'NOT ASCERTAINED' = 9
TOTWK5 'NUM OF PEOPLE WHO WORK IN BLDG'
  @ Columns 40 44 99999 @
      99997 = INAPPLICABLE
      99998 = DONT KNOW
      99999 = NOT ASCERTAINED
STRATUM5 'STRATUM NUMBER'
  @ Columns 46 47 99 @
      'DOD: WEST VA, VA' = 01
      'DOD: DE, PA' = 02
      'DOD: MD, DIST. OF COL.' = 03
      'NON-DOD: WEST VA, VA' = 04
      'NON-DOD: DE, PA' = 05
      'NON-DOD: MD, DIST. OF COL.' = 06
      'DOD: OK, TX' = 07
      'DOD: NM' = 08
      'DOD: LA, AR' = 09
      'NON-DOD: OK, TX' = 10
      'NON-DOD: NM' = 11
      'NON-DOD: LA, AR' = 12
      'DOD: HI, CA' = 13
      'DOD: AZ, NV' = 14
      'NON-DOD: HI, CA' = 15
      'NON-DOD: AZ, NV' = 16
ADJW5 'BUILDING WEIGHT'
  @ Columns 49 60 99999999999 @
ZTSPGFF5 'Imputed tes assistance: f.e.e.f.'
  @ Columns 62 62 9 @
ZTSPGIN5 'Imputed incentives recvd. TES'
  @ Columns 64 64 9 @
ZTSPGAR5 'Imputed alternative rates recvd. TES'
  @ Columns 66 66 9 @
ZTSPGFS5 'Imputed fuel switching recvd. TES'
  @ Columns 68 68 9 @
ZTSPGOA5 'Imputed other assistance recvd. TES'
  @ Columns 70 70 9 @
ZTSPGNA5 'Imputed tes assistance: dont know'
  @ Columns 72 72 9 @
ZWHPGFF5 'Imputed water ht equip assist: f.e.e.f.'
  @ Columns 74 74 9 @
ZWHPGIN5 'Imputed incentives recvd. water heating'
  @ Columns 76 76 9 @
ZWHPGAR5 'Imputed altern. rates recvd. water heat'
  @ Columns 78 78 9 @
ZWHPGFS5 'Imputed fuel switch recvd. water heating'
  @ Columns 80 80 9 @

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ZWHPGOA5 'Imputed other assist. recvd. water heat'
@ Columns 82 82 9 @
ZLTPGFF5 'Imputed lightng equip assist: f.e.e.f.'
@ Columns 84 84 9 @
ZLTPGIN5 'Imputed incentives recvd. for lighting'
@ Columns 86 86 9 @
ZLTPGAR5 'Imputed altern. rates recvd. lighting'
@ Columns 88 88 9 @
ZLTPGFS5 'Imputed fuel switching recvd. lighting'
@ Columns 90 90 9 @
ZLTPGOA5 'Imputed other assistance recvd. lighting'
@ Columns 92 92 9 @
ZENPGGI5 'Imputed general info. recvd. bldg. shell'
@ Columns 94 94 9 @
ZENPGSI5 'Imputed site spec info. bldg. shell'
@ Columns 96 96 9 @
ZENPGIN5 'Imputed incentives recvd. bldg. shell'
@ Columns 98 98 9 @
ZENPGAR5 'Imputed altern. rates recvd. bldg. shell'
@ Columns 100 100 9 @
ZENPGFS5 'Imputed fuel switch recvd. bldg. shell'
@ Columns 102 102 9 @
ZENPGOA5 'Imputed other assist. recvd. bldg. shell'
@ Columns 104 104 9 @
ZENPGFF5 'Imputed envelope/shell assist: f.e.e.f.'
@ Columns 106 106 9 @
ZLCPGGI5 'Imputed general info recvd. load control'
@ Columns 108 108 9 @
ZLCPGSI5 'Imputed site-spec info recvd. load ctl.'
@ Columns 110 110 9 @
ZLCPGIN5 'Imputed incentives recvd. load control'
@ Columns 112 112 9 @
ZLCPGAR5 'Imputed altern. rates recvd. load ctl.'
@ Columns 114 114 9 @
ZLCPGFS5 'Imputed fuel switching recvd. load ctl.'
@ Columns 116 116 9 @
ZLCPGOA5 'Imputed other assist. recvd. load ctl.'
@ Columns 118 118 9 @
ZLCPGFF5 'Imputed dir load ctrl assist: f.e.e.f.'
@ Columns 120 120 9 @
ZSGPGGI5 'Imputed gen info recvd. standby gener.'
@ Columns 122 122 9 @
ZSGPGSI5 'Imputed site spec info standby gener.'
@ Columns 124 124 9 @
ZSGPGIN5 'Imputed incentives recvd. standby gener.'
@ Columns 126 126 9 @
ZSGPGAR5 'Imputed alternative rates standby gener.'
@ Columns 128 128 9 @
ZSGPGFS5 'Imputed fuel switching standby gener.'
@ Columns 130 130 9 @
ZSGPGOA5 'Imputed other assist. standby gener.'
@ Columns 132 132 9 @
ZSGPGFF5 'Imputed standby gen assist: f.e.e.f.'
@ Columns 134 134 9 @
ZPHPGGI5 'Imputed gen info recvd. proc heat/cool'
@ Columns 136 136 9 @
ZPHPGSI5 'Imputed site-spec info proc heat/cool'
@ Columns 138 138 9 @
ZPHPGIN5 'Imputed incentives process heat/cool'
@ Columns 140 140 9 @
ZPHPGAR5 'Imputed alternate rates proc heat/cool'
@ Columns 142 142 9 @
ZPHPGFS5 'Imputed fuel switching proc heat/cool'
@ Columns 144 144 9 @
ZPHPGOA5 'Imputed other assist. process heat/cool'
@ Columns 146 146 9 @
ZPHPGFF5 'Imputed process ht/cool assist: f.e.e.f.'
@ Columns 148 148 9 @
ZOTPGGI5 'Imputed general info recvd. other pgm.'
@ Columns 150 150 9 @
ZOTPGSI5 'Imputed site-spec info recvd. other pgm.'
@ Columns 152 152 9 @
ZOTPGIN5 'Imputed incentives recvd. for other pgm.'
@ Columns 154 154 9 @
ZOTPGAR5 'Imputed altern. rates recvd. other pgm.'
@ Columns 156 156 9 @
ZOTPGFS5 'Imputed fuel switching recvd. other pgm.'

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@ Columns 158 158 9 @
 ZOTPGOA5 'Imputed other assist. recvd. other pgm.'
 @ Columns 160 160 9 @
 ZOTPGFF5 'Imputed other program asst: f.e.e.f.'
 @ Columns 162 162 9 @

Layout for File 22: Sponsor and Type of Assistance for Heating Equipment Retrofit
 (FB94F22T.TXT & FB94F22D.DBF)

Variable	Description	Variable	Name	Position		
CASEID	Building identifier	BLDGID5		1- 7		\$ 7.
REGION	Building federal region	FEDREG5		9- 9	\$FEDREG.	\$ 1.
	Principal building activity	PBA5		11- 12	\$ACTIVITY.	\$ 2.
A7	Square footage	SQFT5		14- 20	MISS9CH.	7.
A8	Square footage category	SQFTC5		22- 23	\$SQFTC.	\$ 2.
A14	Year of construction category	YRCONC5		25- 26	\$YRCONC.	\$ 2.
C1A	Electricity used in 1992	ELUSED5		28- 28	\$YESNO.	\$ 1.
C1B	Natural gas used in 1992	NGUSED5		30- 30	\$YESNO.	\$ 1.
C1C	Fuel oil used in 1992	FKUSED5		32- 32	\$YESNO.	\$ 1.
C1E	District steam used in 1992	STUSED5		34- 34	\$YESNO.	\$ 1.
C1F	District hot water in 1992	HWUSED5		36- 36	\$YESNO.	\$ 1.
C1G	District chilled water in 1992	CWUSED5		38- 38	\$YESNO.	\$ 1.
D6IA	Retro/purch furnace in past 10 years	FURNRP5		40- 40	\$RETRO.	\$ 1.
H8CEUA	Furnace sponsor: electric utility	FURNEU5		42- 42	\$YESNO.	\$ 1.
H8CIHA	Furnace sponsor: in-house	FURNIH5		44- 44	\$YESNO.	\$ 1.
H8CTPA	Furnace sponsor: third-party	FURNT5		46- 46	\$YESNO.	\$ 1.
H8COTHA	Furnace sponsor: other	FURNOS5		48- 48	\$YESNO.	\$ 1.
H8CFA	Furnace sponsor: femp	FURNFM5		50- 50	\$YESNO.	\$ 1.
H9CFA	Furnace assistance: f.e.e.f.	FURNFF5		52- 52	\$YESNO.	\$ 1.
H9CIA	Furnace assistance: incentives	FURNIN5		54- 54	\$YESNO.	\$ 1.
H9CARA	Furnace assistance: alternative rates	FURNAR5		56- 56	\$YESNO.	\$ 1.
H9CFSA	Furnace assistance: fuel switching	FURNFS5		58- 58	\$YESNO.	\$ 1.
H9COTHA	Furnace assistance: other/nones	FURNOA5		60- 60	\$YESNO.	\$ 1.
D6IB	Retro/purch heat pump in past 10 yrs	HTPHRP5		62- 62	\$RETRO.	\$ 1.
H8CEUB	Heat pump sponsor: electric utility	HTPHEU5		64- 64	\$YESNO.	\$ 1.
H8CIHB	Heat pump sponsor: in-house	HTPHIH5		66- 66	\$YESNO.	\$ 1.
H8CTPB	Heat pump sponsor: third-party	HTPHT5		68- 68	\$YESNO.	\$ 1.
H8COTHB	Heat pump sponsor: other	HTPHOS5		70- 70	\$YESNO.	\$ 1.
H8CFB	Heat pump sponsor: femp	HTPHFM5		72- 72	\$YESNO.	\$ 1.
H9CFB	Heat pump assist: f.e.e.f.	HTPHFF5		74- 74	\$YESNO.	\$ 1.
H9CIB	Heat pump assist: incentives	HTPHIN5		76- 76	\$YESNO.	\$ 1.
H9CARB	Heat pump assist: alternative rates	HTPHAR5		78- 78	\$YESNO.	\$ 1.
H9CFSB	Heat pump assist: fuel switching	HTPHFS5		80- 80	\$YESNO.	\$ 1.
H9COTHB	Heat pump assist: other program	HTPHOA5		82- 82	\$YESNO.	\$ 1.
D6IC	Retro/purch space heater in past 10 yrs	SLFCRP5		84- 84	\$RETRO.	\$ 1.
H8CEUC	Space heater sponsor: electric utility	SLFCEU5		86- 86	\$YESNO.	\$ 1.
H8CIHC	Space heater sponsor: in-house	SLFCIH5		88- 88	\$YESNO.	\$ 1.
H8CTPC	Space heater sponsor: third-party	SLFCTP5		90- 90	\$YESNO.	\$ 1.
H8COTHC	Space heater sponsor: other	SLFCOS5		92- 92	\$YESNO.	\$ 1.
H8CFC	Space heater sponsor: femp	SLFCFM5		94- 94	\$YESNO.	\$ 1.
H9CFC	Space heater assist: f.e.e.f.	SLFCFF5		96- 96	\$YESNO.	\$ 1.
H9CIC	Space heater assist: incentives	SLFCIN5		98- 98	\$YESNO.	\$ 1.
H9CARC	Space heater assist: alternative rates	SLFCAR5		100- 100	\$YESNO.	\$ 1.
H9CFSC	Space heater assist: fuel switching	SLFCFS5		102- 102	\$YESNO.	\$ 1.
H9COTHC	Space heater assist: other/none	SLFCOA5		104- 104	\$YESNO.	\$ 1.
D6ID	Retro/purch steam/hot water past 10 yrs	STHWRP5		106- 106	\$RETRO.	\$ 1.
H8CEUD	Dist steam/hot watr sponsor: elec util	STHWEU5		108- 108	\$YESNO.	\$ 1.
H8CIHD	Dist steam/hot watr sponsor: in-house	STHWIH5		110- 110	\$YESNO.	\$ 1.
H8CTPD	Dist steam/hot watr sponsor: third-party	STHWTP5		112- 112	\$YESNO.	\$ 1.
H8COTHD	Dist steam/hot watr sponsor: other	STHWOS5		114- 114	\$YESNO.	\$ 1.
H8CFD	Dist steam/hot watr sponsor: femp	STHWFM5		116- 116	\$YESNO.	\$ 1.
H9CFD	Dist steam/hot watr assist: f.e.e.f.	STHWFF5		118- 118	\$YESNO.	\$ 1.
H9CID	Dist steam/hot watr assist: incentives	STHWIN5		120- 120	\$YESNO.	\$ 1.
H9CARD	Dist steam/hot watr assist: altern rates	STHWAR5		122- 122	\$YESNO.	\$ 1.
H9CFSD	Dist steam/hot watr assist: fuel swtchnng	STHWFS5		124- 124	\$YESNO.	\$ 1.
H9COTHD	Dist steam/hot watr assist: oth program	STHWOA5		126- 126	\$YESNO.	\$ 1.
D6IE	Retro/purch boiler within past 10 yrs	BOILRP5		128- 128	\$RETRO.	\$ 1.
H8CEUE	Boiler sponsor: electric utility	BOILEU5		130- 130	\$YESNO.	\$ 1.
H8CIHE	Boiler sponsor: in-house	BOILIH5		132- 132	\$YESNO.	\$ 1.
H8CTPE	Boiler sponsor: third-party	BOILTP5		134- 134	\$YESNO.	\$ 1.
H8COTHE	Boiler sponsor: other	BOILOS5		136- 136	\$YESNO.	\$ 1.
H8CFE	Boiler sponsor: femp	BOILFM5		138- 138	\$YESNO.	\$ 1.
H9CFE	Boiler assist: f.e.e.f.	BOILFF5		140- 140	\$YESNO.	\$ 1.
H9CIE	Boiler assist: incentives	BOILIN5		142- 142	\$YESNO.	\$ 1.

H9CARE	Boiler assist: alternative rates	BOILAR5	144- 144	\$YESNO.	\$	1.
H9CFSE	Boiler assist: fuel switching	BOILFS5	146- 146	\$YESNO.	\$	1.
H9COTHE	Boiler assist: other program	BOILOA5	148- 148	\$YESNO.	\$	1.
D6IF	Retro/purch packgd heat unit w/in 10 yrs	PKGHRP5	150- 150	\$RETRO.	\$	1.
H8CEUF	Packgd heat unit sponsor: electric util	PKGHEU5	152- 152	\$YESNO.	\$	1.
H8CIHF	Packgd heat unit sponsor: in-house	PKGHIH5	154- 154	\$YESNO.	\$	1.
H8CTPF	Packgd heat unit sponsor: third-party	PKGHTP5	156- 156	\$YESNO.	\$	1.
H8COTHF	Packgd heat unit sponsor: other	PKGHOS5	158- 158	\$YESNO.	\$	1.
H8CFF	Packgd heat unit sponsor: femp	PKGHEU5	160- 160	\$YESNO.	\$	1.
H9CFF	Packgd heat unit assist: f.e.e.f.	PKGHEU5	162- 162	\$YESNO.	\$	1.
H9CIF	Packgd heat unit assist: incentives	PKGHIH5	164- 164	\$YESNO.	\$	1.
H9CARF	Packgd heat unit assist: altern rates	PKGHEU5	166- 166	\$YESNO.	\$	1.
H9CFSF	Packgd heat unit assist: fuel switching	PKGHEU5	168- 168	\$YESNO.	\$	1.
H9COTHF	Packgd heat unit assist: other/none	PKGHOA5	170- 170	\$YESNO.	\$	1.
D6IG	Retro/purch other heat equip w/in 10 yrs	OTHTRP5	172- 172	\$RETRO.	\$	1.
H8CEUG	Other heat equip sponsor: electric util	OTHTEU5	174- 174	\$YESNO.	\$	1.
H8CIHG	Other heat equip sponsor: in-house	OTHTIH5	176- 176	\$YESNO.	\$	1.
H8CTPG	Other heat equip sponsor: third-party	OTHTP5	178- 178	\$YESNO.	\$	1.
H8COTHG	Other heat equip sponsor: other	OTHOS5	180- 180	\$YESNO.	\$	1.
H8CFG	Other heat equip sponsor: femp	OTHTFM5	182- 182	\$YESNO.	\$	1.
H9CFG	Other heat equip assist: f.e.e.f.	OTHTF5	184- 184	\$YESNO.	\$	1.
H9CIG	Other heat equip assist: incentives	OTHIN5	186- 186	\$YESNO.	\$	1.
H9CARG	Other heat equip assist: altern rates	OTHAR5	188- 188	\$YESNO.	\$	1.
H9CFSG	Other heat equip assist: fuel switching	OTHFS5	190- 190	\$YESNO.	\$	1.
H9COTHG	Other heat equip assist: other/none	OTHOA5	192- 192	\$YESNO.	\$	1.
BOX14	Energy source for cooling checked	COOLCK5	194- 194	\$YESNO.	\$	1.
E18	Number of workers (all shifts)	TOTWK5	196- 200	MISS5CH.		5.
STRATUM	Variance stratum	STRATUM5	202- 203		\$	2.
WEIGHT	Adjusted weight	ADJWT5	205- 216			12.

Variable Codes for File 22

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BLDGID5  'BUILDING IDENTIFIER'
@ Columns 1 7 9999999 @
FEDREG5  'BUILDING FEDERAL REGION'
@ Columns 9 9 9 @
'FEDERAL REGION 3' = 3
'FEDERAL REGION 6' = 6
'FEDERAL REGION 9' = 9
PBA5     'PRINCIPAL ACTIVITY'
@ Columns 11 12 99 @
'VACANT' = 01
'OFFICE/PROFESSIONAL' = 02
'SHP CTR/MALL/RETL/SVC' = 03
'LABORATORY' = 04
'NON-REFRIG WARHSE/STOR' = 05
'FOOD SALES' = 06
'PUBLIC ORDER/SAFETY' = 07
'OUTPAT HLTH SVCS/CLNIC' = 08
'INDUST PROCESSING/MFG' = 09
'AGRICULTURAL PURPOSES' = 10
'REFRIG WAREHSE/STORAGE' = 11
'RELIGIOUS WORSHIP' = 12
'PUBLIC ASSEMBLY' = 13
'EDUCATION' = 14
'FOOD SERVICES' = 15
'HOSPIT/INPAT HLTH SVCS' = 16
'SKIL NURS/RESIDTL CARE' = 17
'HOTEL/MOTEL/DORM' = 18
'RESIDENTIAL' = 19
'INDOOR ENCLSD PARK GAR' = 20
'OTHER' = 21
'ALL ACTIVITIES LT 75%' = 22
'DK IF ONE ACTIV GT 75%' = 98
SQFT5    'GROSS SQUARE FOOTAGE, ACTUAL NUMBER'
@ Columns 14 20 9999999 @
9999998 = DONT KNOW
9999999 = NOT ASCERTAINED
SQFTC5   'GROSS SQUARE FOOTAGE, CATEGORY'
@ Columns 22 23 99 @
'10,000 OR LESS' = 03
'10,001 - 25,000' = 04
'25,001 - 50,000' = 05
'50,001 - 100,000' = 06
'100,001 - 200,000' = 07
'200,001 - 500,000' = 08

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'500,001 - 1 MILLION'	=	09
'OVER 1 MILLION'	=	10
'DONT KNOW'	=	98

YRCONC5 'YEAR CONSTRUCTION COMPLETED (CATEGORY)'

@ Columns	25	26	99	@
'1899 OR BEFORE'				= 01
'1900-1919'				= 02
'1920-1945'				= 03
'1946-1959'				= 04
'1960-1969'				= 05
'1970-1979'				= 06
'1980-1989'				= 07
'1990-1992'				= 08
'1993-1994'				= 09

ELUSED5 'USE ELECTRICITY'

@ Columns	28	28	9	@
'YES'				= 1
'NO'				= 2
'INAPPLICABLE'				= 7
'DONT KNOW'				= 8
'NOT ASCERTAINED'				= 9

NGUSED5 'USE NATURAL GAS'

@ Columns	30	30	9	@
'YES'				= 1
'NO'				= 2
'INAPPLICABLE'				= 7
'DONT KNOW'				= 8
'NOT ASCERTAINED'				= 9

FKUSED5 'USE FUEL OIL, DIESEL, OR KEROSENE'

@ Columns	32	32	9	@
'YES'				= 1
'NO'				= 2
'INAPPLICABLE'				= 7
'DONT KNOW'				= 8
'NOT ASCERTAINED'				= 9

STUSED5 'USE DISTRICT STEAM'

@ Columns	34	34	9	@
'YES'				= 1
'NO'				= 2
'INAPPLICABLE'				= 7
'DONT KNOW'				= 8
'NOT ASCERTAINED'				= 9

HWUSED5 'USE DISTRICT HOT WATER'

@ Columns	36	36	9	@
'YES'				= 1
'NO'				= 2
'INAPPLICABLE'				= 7
'DONT KNOW'				= 8
'NOT ASCERTAINED'				= 9

CWUSED5 'USE DISTRICT CHILLED WATER'

@ Columns	38	38	9	@
'YES'				= 1
'NO'				= 2
'INAPPLICABLE'				= 7
'DONT KNOW'				= 8
'NOT ASCERTAINED'				= 9

FURNRP5 'RETRO/PURCH FURNACE IN PAST 10 YEARS'

@ Columns	40	40	9	@
'YES, RETROFITTED'				= 1
'YES, PURCHASED'				= 2
'NO'				= 3
'BOTH, RETRO+PURCHASE'				= 4
'INAPPLICABLE'				= 7
'DONT KNOW'				= 8
'NOT ASCERTAINED'				= 9

FURNEU5 'FURNACE SPONSOR: ELECTRIC UTILITY'

@ Columns	42	42	9	@
'YES'				= 1
'NO'				= 2
'INAPPLICABLE'				= 7
'DONT KNOW'				= 8
'NOT ASCERTAINED'				= 9

FURNIH5 'FURNACE SPONSOR: IN-HOUSE'

@ Columns	44	44	9	@
'YES'				= 1
'NO'				= 2
'INAPPLICABLE'				= 7

	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
FURNT5	'FURNACE SPONSOR: THIRD-PARTY'	
@	Columns 46 46 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
FURNOS5	'FURNACE SPONSOR: OTHER'	
@	Columns 48 48 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
FURNFM5	'FURNACE SPONSOR: FEMP'	
@	Columns 50 50 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
FURNFF5	'FURNACE ASSISTANCE: F.E.E.F.'	
@	Columns 52 52 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
FURNIN5	'FURNACE ASSISTANCE: INCENTIVES'	
@	Columns 54 54 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
FURNAR5	'FURNACE ASSISTANCE: ALTERNATIVE RATES'	
@	Columns 56 56 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
FURNFS5	'FURNACE ASSISTANCE: FUEL SWITCHING'	
@	Columns 58 58 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
FURNOA5	'FURNACE ASSISTANCE: OTHER/NONES'	
@	Columns 60 60 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
HTPHRP5	'RETRO/PURCH HEAT PUMP IN PAST 10 YRS'	
@	Columns 62 62 9 @	
	'YES, RETROFITTED'	= 1
	'YES, PURCHASED'	= 2
	'NO'	= 3
	'BOTH, RETRO+PURCHASE'	= 4
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
HTPHEU5	'HEAT PUMP SPONSOR: ELECTRIC UTILITY'	
@	Columns 64 64 9 @	
	'YES'	= 1
	'NO'	= 2
	'INAPPLICABLE'	= 7
	'DONT KNOW'	= 8
	'NOT ASCERTAINED'	= 9
HTPHIH5	'HEAT PUMP SPONSOR: IN-HOUSE'	
@	Columns 66 66 9 @	
	'YES'	= 1

'NO'	=	2
'INAPPLICABLE'	=	7
'DONT KNOW'	=	8
'NOT ASCERTAINED'	=	9

HTPHTP5 'HEAT PUMP SPONSOR: THIRD-PARTY'

@	Columns	68	68	9	@
'YES'	=	1			
'NO'	=	2			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			
'NOT ASCERTAINED'	=	9			

HTPHOS5 'HEAT PUMP SPONSOR: OTHER'

@	Columns	70	70	9	@
'YES'	=	1			
'NO'	=	2			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			
'NOT ASCERTAINED'	=	9			

HTPHFM5 'HEAT PUMP SPONSOR: FEMP'

@	Columns	72	72	9	@
'YES'	=	1			
'NO'	=	2			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			
'NOT ASCERTAINED'	=	9			

HTPHFF5 'HEAT PUMP ASSIST: F.E.E.F.'

@	Columns	74	74	9	@
'YES'	=	1			
'NO'	=	2			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			
'NOT ASCERTAINED'	=	9			

HTPHIN5 'HEAT PUMP ASSIST: INCENTIVES'

@	Columns	76	76	9	@
'YES'	=	1			
'NO'	=	2			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			
'NOT ASCERTAINED'	=	9			

HTPHAR5 'HEAT PUMP ASSIST: ALTERNATIVE RATES'

@	Columns	78	78	9	@
'YES'	=	1			
'NO'	=	2			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			
'NOT ASCERTAINED'	=	9			

HTPHFS5 'HEAT PUMP ASSIST: FUEL SWITCHING'

@	Columns	80	80	9	@
'YES'	=	1			
'NO'	=	2			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			
'NOT ASCERTAINED'	=	9			

HTPHOA5 'HEAT PUMP ASSIST: OTHER PROGRAM'

@	Columns	82	82	9	@
'YES'	=	1			
'NO'	=	2			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			
'NOT ASCERTAINED'	=	9			

SLFCRP5 'RETRO/PURCH SPACE HEATER IN PAST 10 YRS'

@	Columns	84	84	9	@
'YES, RETROFITTED'	=	1			
'YES, PURCHASED'	=	2			
'NO'	=	3			
'BOTH, RETRO+PURCHASE'	=	4			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			
'NOT ASCERTAINED'	=	9			

SLFCEU5 'SPACE HEATER SPONSOR: ELECTRIC UTILITY'

@	Columns	86	86	9	@
'YES'	=	1			
'NO'	=	2			
'INAPPLICABLE'	=	7			
'DONT KNOW'	=	8			
'NOT ASCERTAINED'	=	9			

SLFCIH5 'SPACE HEATER SPONSOR: IN-HOUSE'

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@ Columns      88      88      9 @
'YES'           = 1
'NO'            = 2
'INAPPLICABLE' = 7
'DONT KNOW'     = 8
'NOT ASCERTAINED' = 9
SLFCTP5 'SPACE HEATER SPONSOR: THIRD-PARTY'
@ Columns      90      90      9 @
'YES'           = 1
'NO'            = 2
'INAPPLICABLE' = 7
'DONT KNOW'     = 8
'NOT ASCERTAINED' = 9
SLFCOS5 'SPACE HEATER SPONSOR: OTHER'
@ Columns      92      92      9 @
'YES'           = 1
'NO'            = 2
'INAPPLICABLE' = 7
'DONT KNOW'     = 8
'NOT ASCERTAINED' = 9
SLFCFM5 'SPACE HEATER SPONSOR: FEMP'
@ Columns      94      94      9 @
'YES'           = 1
'NO'            = 2
'INAPPLICABLE' = 7
'DONT KNOW'     = 8
'NOT ASCERTAINED' = 9
SLFCFF5 'SPACE HEATER ASSIST: F.E.E.F.'
@ Columns      96      96      9 @
'YES'           = 1
'NO'            = 2
'INAPPLICABLE' = 7
'DONT KNOW'     = 8
'NOT ASCERTAINED' = 9
SLFCIN5 'SPACE HEATER ASSIST: INCENTIVES'
@ Columns      98      98      9 @
'YES'           = 1
'NO'            = 2
'INAPPLICABLE' = 7
'DONT KNOW'     = 8
'NOT ASCERTAINED' = 9
SLFCAR5 'SPACE HEATER ASSIST: ALTERNATIVE RATES'
@ Columns     100     100      9 @
'YES'           = 1
'NO'            = 2
'INAPPLICABLE' = 7
'DONT KNOW'     = 8
'NOT ASCERTAINED' = 9
SLFCFS5 'SPACE HEATER ASSIST: FUEL SWITCHING'
@ Columns     102     102      9 @
'YES'           = 1
'NO'            = 2
'INAPPLICABLE' = 7
'DONT KNOW'     = 8
'NOT ASCERTAINED' = 9
SLFCOA5 'SPACE HEATER ASSIST: OTHER/NONE'
@ Columns     104     104      9 @
'YES'           = 1
'NO'            = 2
'INAPPLICABLE' = 7
'DONT KNOW'     = 8
'NOT ASCERTAINED' = 9
STHWRP5 'RETRO/PURCH STEAM/HOT WATER PAST 10 YRS'
@ Columns     106     106      9 @
'YES, RETROFITTED' = 1
'YES, PURCHASED'   = 2
'NO'               = 3
'BOTH, RETRO+PURCHASE' = 4
'INAPPLICABLE'     = 7
'DONT KNOW'         = 8
'NOT ASCERTAINED'   = 9
STHWEU5 'DIST STEAM/HOT WATR SPONSOR: ELEC UTIL'
@ Columns     108     108      9 @
'YES'           = 1
'NO'            = 2
'INAPPLICABLE' = 7
'DONT KNOW'     = 8

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      'NOT ASCERTAINED'          = 9
STHWIH5 'DIST STEAM/HOT WATR SPONSOR: IN-HOUSE'
@ Columns 110 110 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'          = 9
STHWTP5 'DIST STEAM/HOT WATR SPONSOR: THIRD-PARTY'
@ Columns 112 112 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'          = 9
STHWOS5 'DIST STEAM/HOT WATR SPONSOR: OTHER'
@ Columns 114 114 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'          = 9
STHWFM5 'DIST STEAM/HOT WATR SPONSOR: FEMP'
@ Columns 116 116 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'          = 9
STHWFF5 'DIST STEAM/HOT WATR ASSIST: F.E.E.F.'
@ Columns 118 118 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'          = 9
STHWIN5 'DIST STEAM/HOT WATR ASSIST: INCENTIVES'
@ Columns 120 120 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'          = 9
STHWAR5 'DIST STEAM/HOT WATR ASSIST: ALTERN RATES'
@ Columns 122 122 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'          = 9
STHWFS5 'DIST STEAM/HOT WATR ASSIST: FUEL SWCHNG'
@ Columns 124 124 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'          = 9
STHWOA5 'DIST STEAM/HOT WATR ASSIST: OTH PROGRAM'
@ Columns 126 126 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'          = 9
BOILRP5 'RETRO/PURCH BOILER WITHIN PAST 10 YRS'
@ Columns 128 128 9 @
      'YES, RETROFITTED'         = 1
      'YES, PURCHASED'           = 2
      'NO'                      = 3
      'BOTH, RETRO+PURCHASE'     = 4
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'          = 9
BOILEU5 'BOILER SPONSOR: ELECTRIC UTILITY'
@ Columns 130 130 9 @
      'YES'                      = 1
      'NO'                      = 2

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      'INAPPLICABLE'          = 7
      'DONT KNOW'             = 8
      'NOT ASCERTAINED'       = 9
BOILIH5 'BOILER SPONSOR: IN-HOUSE'
      @ Columns 132 132 9 @
      QUESTION NEW TO FBSS
      'YES'                   = 1
      'NO'                    = 2
      'INAPPLICABLE'          = 7
      'DONT KNOW'             = 8
      'NOT ASCERTAINED'       = 9
BOILTP5 'BOILER SPONSOR: THIRD-PARTY'
      @ Columns 134 134 9 @
      'YES'                   = 1
      'NO'                    = 2
      'INAPPLICABLE'          = 7
      'DONT KNOW'             = 8
      'NOT ASCERTAINED'       = 9
BOILOS5 'BOILER SPONSOR: OTHER'
      @ Columns 136 136 9 @
      'YES'                   = 1
      'NO'                    = 2
      'INAPPLICABLE'          = 7
      'DONT KNOW'             = 8
      'NOT ASCERTAINED'       = 9
BOILFM5 'BOILER SPONSOR: FEMP'
      @ Columns 138 138 9 @
      'YES'                   = 1
      'NO'                    = 2
      'INAPPLICABLE'          = 7
      'DONT KNOW'             = 8
      'NOT ASCERTAINED'       = 9
BOILFF5 'BOILER ASSIST: F.E.E.F.'
      @ Columns 140 140 9 @
      'YES'                   = 1
      'NO'                    = 2
      'INAPPLICABLE'          = 7
      'DONT KNOW'             = 8
      'NOT ASCERTAINED'       = 9
BOILIN5 'BOILER ASSIST: INCENTIVES'
      @ Columns 142 142 9 @
      'YES'                   = 1
      'NO'                    = 2
      'INAPPLICABLE'          = 7
      'DONT KNOW'             = 8
      'NOT ASCERTAINED'       = 9
BOILAR5 'BOILER ASSIST: ALTERNATIVE RATES'
      @ Columns 144 144 9 @
      'YES'                   = 1
      'NO'                    = 2
      'INAPPLICABLE'          = 7
      'DONT KNOW'             = 8
      'NOT ASCERTAINED'       = 9
BOILFS5 'BOILER ASSIST: FUEL SWITCHING'
      @ Columns 146 146 9 @
      'YES'                   = 1
      'NO'                    = 2
      'INAPPLICABLE'          = 7
      'DONT KNOW'             = 8
      'NOT ASCERTAINED'       = 9
BOILOA5 'BOILER ASSIST: OTHER PROGRAM'
      @ Columns 148 148 9 @
      'YES'                   = 1
      'NO'                    = 2
      'INAPPLICABLE'          = 7
      'DONT KNOW'             = 8
      'NOT ASCERTAINED'       = 9
PKGHRP5 'RETRO/PURCH PACKGD HEAT UNIT W/IN 10 YRS'
      @ Columns 150 150 9 @
      'YES, RETROFITTED'      = 1
      'YES, PURCHASED'        = 2
      'NO'                    = 3
      'BOTH, RETRO+PURCHASE'   = 4
      'INAPPLICABLE'          = 7
      'DONT KNOW'             = 8
      'NOT ASCERTAINED'       = 9
PKGHEU5 'PACKGD HEAT UNIT SPONSOR: ELECTRIC UTIL'

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@ Columns 152 152 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PKGHIH5 'PACKGD HEAT UNIT SPONSOR: IN-HOUSE'
@ Columns 154 154 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PKGHTP5 'PACKGD HEAT UNIT SPONSOR: THIRD-PARTY'
@ Columns 156 156 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PKGHS5 'PACKGD HEAT UNIT SPONSOR: OTHER'
@ Columns 158 158 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PKGHFM5 'PACKGD HEAT UNIT SPONSOR: FEMP'
@ Columns 160 160 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PKGHFF5 'PACKGD HEAT UNIT ASSIST: F.E.E.F.'
@ Columns 162 162 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PKGHIN5 'PACKGD HEAT UNIT ASSIST: INCENTIVES'
@ Columns 164 164 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PKGHAR5 'PACKGD HEAT UNIT ASSIST: ALTERN RATES'
@ Columns 166 166 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PKGHFS5 'PACKGD HEAT UNIT ASSIST: FUEL SWITCHING'
@ Columns 168 168 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
PKGHOA5 'PACKGD HEAT UNIT ASSIST: OTHER/NONE'
@ Columns 170 170 9 @
'YES' = 1
'NO' = 2
'INAPPLICABLE' = 7
'DONT KNOW' = 8
'NOT ASCERTAINED' = 9
OTHTRP5 'RETRO/PURCH OTHER HEAT EQUIP W/IN 10 YRS'
@ Columns 172 172 9 @
'YES, RETROFITTED' = 1
'YES, PURCHASED' = 2
'NO' = 3
'BOTH, RETRO+PURCHASE' = 4
'INAPPLICABLE' = 7
'DONT KNOW' = 8

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      'NOT ASCERTAINED'          = 9
OTHTEU5 'OTHER HEAT EQUIP SPONSOR: ELECTRIC UTIL'
@ Columns 174 174 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
OTHTIH5 'OTHER HEAT EQUIP SPONSOR: IN-HOUSE'
@ Columns 176 176 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
OTHTTP5 'OTHER HEAT EQUIP SPONSOR: THIRD-PARTY'
@ Columns 178 178 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
OTHTOS5 'OTHER HEAT EQUIP SPONSOR: OTHER'
@ Columns 180 180 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
OTHTFM5 'OTHER HEAT EQUIP SPONSOR: FEMP'
@ Columns 182 182 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
OTHTFF5 'OTHER HEAT EQUIP ASSIST: F.E.E.F.'
@ Columns 184 184 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
OTHTIN5 'OTHER HEAT EQUIP ASSIST: INCENTIVES'
@ Columns 186 186 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
OTHTAR5 'OTHER HEAT EQUIP ASSIST: ALTERN RATES'
@ Columns 188 188 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
OTHTFS5 'OTHER HEAT EQUIP ASSIST: FUEL SWITCHING'
@ Columns 190 190 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
OTHTOA5 'OTHER HEAT EQUIP ASSIST: OTHER/NONE'
@ Columns 192 192 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8
      'NOT ASCERTAINED'        = 9
COOLCK5 'AIR CONDITIONING PERFORMED'
@ Columns 194 194 9 @
      'YES'                      = 1
      'NO'                      = 2
      'INAPPLICABLE'            = 7
      'DONT KNOW'               = 8

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      'NOT ASCERTAINED'          = 9
TOTWK5  'NUM OF PEOPLE WHO WORK IN BLDG'
      @ Columns 196 200 99999 @
      99997 = INAPPLICABLE
      99998 = DONT KNOW
      99999 = NOT ASCERTAINED
STRATUM5 'STRATUM NUMBER'
      @ Columns 202 203 99 @
      'DOD: WEST VA, VA'          = 01
      'DOD: DE, PA'               = 02
      'DOD: MD, DIST. OF COL.'    = 03
      'NON-DOD: WEST VA, VA'      = 04
      'NON-DOD: DE, PA'           = 05
      'NON-DOD: MD, DIST. OF COL.' = 06
      'DOD: OK, TX'               = 07
      'DOD: NM'                   = 08
      'DOD: LA, AR'               = 09
      'NON-DOD: OK, TX'           = 10
      'NON-DOD: NM'               = 11
      'NON-DOD: LA, AR'           = 12
      'DOD: HI, CA'               = 13
      'DOD: AZ, NV'               = 14
      'NON-DOD: HI, CA'           = 15
      'NON-DOD: AZ, NV'           = 16
ADJWT5  'BUILDING WEIGHT'
      @ Columns 205 216 99999999999 @

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