

LIURP Codebook

for the
Low Income Usage
Reduction Program
(Revised September, 2016)
Effective with jobs beginning
January 1, 2016
to be reported in April, 2018

produced by
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Revised and updated September 2016 for changes made in September 2015.

This Codebook is available in WORD or PDF format.

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INTRODUCTION

This Codebook is to be used by the PA Public Utility Commission, the Penn State Consumer Services Information System Project, and utility companies for the recording, reporting and analysis of data related to the Low Income Usage Reduction Program (LIURP). This Codebook is effective for all data reported on jobs beginning January 1, 2014, and for all data sets submitted for subsequent program years.

LIURP rules and regulations are specified in 52 PA. Code Chapter 69. These regulations require affected utility companies to establish fair, effective and efficient usage reduction programs for low-income customers. Eligible customers must have utility supplied space or water heating in their homes and must have a household income at or below 150% of the federally established poverty level.

The goal of the program is to contribute toward the reduction of energy use, and ultimately to lower bills for low income customers. Under LIURP, companies install weatherization measures (measures intended to reduce household energy consumption) and repair existing housing for eligible low-income families, provided that the home is in satisfactory condition. Companies must also provide consumer education programs in conjunction with weatherization efforts, to educate customers on how to conserve energy.

As noted in 52 PA. CODE CH. 69, research indicates that a direct relationship exists between customer payment problems and the use of unusually high amounts of utility service. This relationship applies specifically to low-income customers. It is expected that the programs required by LIURP regulations will enable low-income customers to reduce their energy usage, thereby reducing their utility bills, and also markedly improve their payment behavior. Thus, the LIURP programs also seek to reduce the uncollectible accounts and collection and termination expenses of covered utilities.

The LIURP programs are intended to reduce the residential demand for electricity and gas. These programs should reduce the peak demand for electricity, thus reducing costs related to the unnecessary purchase of additional fuel or power, and reducing demand which could lead to the need for companies to construct new generating capacity.

This codebook is based on initial system development by the Bureau of Consumer Services of the Pennsylvania Public Utility Commission (PUC/BCS), and the Consumer Services Information System Project (CSIS Project) at Penn State University. Several meetings were held with utility companies in the development of these documents. Differences in the variables and coding used by companies were noted by the Penn State CSIS Project as it began processing sample data provided by three utility companies. These variations indicated that a single integrated document was required for use by all parties. In addition, several companies commented on the need for selected revisions and suggested the addition of several items. Since implementation of LIURP for the 1988 program year, the PUC, BCS, CSIS Project, and utility company representatives have met periodically to review changes in the program and recommend new reporting requirements. Each time the database reporting requirements are changed, a new codebook is prepared. A historic record of coding changes is included in Appendix D. This version of the codebook reflects all changes and agreements to date and supersedes all previous versions of the LIURP Codebook.

Part 1

GENERAL GUIDELINES

The following general guidelines are to be followed for collecting, recording, reporting and analyzing LIURP data. Exceptions to these guidelines are contained in specific instructions for individual variables or values.

Data to be reported

All cases (homes) for which LIURP costs were incurred are to be included in this data base. This includes any weatherization jobs performed as part of a pilot program approved for the LIURP program by the PUC/BCS. Data collected for all variables and all values (including valid outliers) are to be reported. As discussed below outliers are to be identified for the BCS's consideration in analysis.

General Coding Rules

Record all data to reflect the variables and values in this codebook. The PUC and the Penn State CSIS Project will use this codebook for both data quality control and analysis.

Companies are not required to include in the data set cases for which no measures were installed and no services were provided beyond the first visit (preaudit, audit, etc.). Instead, it is preferred that the costs for these cases be reported in Table One, submitted separately to the BCS, and not in the data set. These costs should be reported as a separate line item in Table One, under "No Measures Installed Job Costs." If it is not possible to report these costs separately in Table One, they must be reported in the LIURP data set. Note that it is possible to do both: report the costs in Table One and include the cases in the LIURP data set. Each company must inform the BCS in a cover letter accompanying their data submission of the option chosen.

Code values for all variables: Totally blank columns are not acceptable for any variables/values. The one exception to this rule applies to the weatherization measures variables as explained in the appropriate sections of the codebook.

Missing and Not Applicable values (N\A): Code missing data, data not collected or not available with a single M (preferably right justified) in the columns indicated. Code variables which are not applicable to a particular company or case with a single M, right justified. Note that "Missing" is not a valid code for some variables (See coding instructions for individual variables).

Values of zero (0): Report zero (0) when it is a legitimate value such as amount of income, number of residents 0-9 years old, or amount of LIHEAP crisis grant. When variables like this are known to be zero (0), report them as zero (0) and NOT as missing (M).

Right justification of all data in the appropriate columns is preferred, but not required.

Leading zeroes are not required but are accepted.

KWH, MCF and CCF: Never code KWH with a decimal. Always code MCF with a single decimal point, e.g. 200 KWH = 200; 200 MCF = 200.0. This convention, along with the company variable, allows the distinction between units to be made during analysis.

Values that are larger than the number of columns provided: If there is a value larger than the number of columns provided, some software programs automatically insert an

alphabetical character (for example, an "E") into the data for that variable. These codes are meaningless in analysis and will be flagged as errors when the data is checked for incorrect values. If a value is too large for the space provided (for example, a four digit value of 1144 for a variable with only three columns), code the value as 998 (for a 3 digit variable, 98 for a 2 digit variable) and provide the correct amount on the Outlier Reporting Sheet. Clearly identify the variable name and columns, and the appropriate Customer Account Number on this sheet, along with the full value for the variable. This rule is true unless the detailed coding directions for a variable specify otherwise (for example, the variable AGE (variable # 176, columns 665 - 666) specifies that a coded value of "99" is equal to "99 or older.")

Coding of MEASR1—20, LCOST1—20 and MCOST1—20 after the last measure is coded as 00: The code 00 indicates that the previous measure was the last measure with data. Leave the remainder of MEASR, LCOST and MCOST columns blank. Do not code as zeros or M's in the columns after 00 is coded.

Coding of Completed Jobs with Incomplete or Inaccurate Data: If a job is completed but the case contains incomplete or inaccurate data, report all available data for the case, including the usage data for the pre and post period. The usage data is required. Code the reason for why this data should not be used in analysis in EXADJPRE (variable # 304, column 733) and EXADJPOS (variable # 305, column 734).

Coding of Incomplete/Dropped Jobs: If a case is coded as being incomplete under the variable STATUS (variable # 202, column 728 contains a coded value of either 2, 3, 4, 6, or 7 for data reported prior to the 2000 program year, or a coded value of 2 or 3 for the 2000 program year or later), it is possible that the customer dropped from the program or was dropped for cause by the company. The coding rules for these cases are as follows:

- 1) The variables STATUS, EXADJPRE, EXADJPOS, all expenses, and weatherization service measures must be coded. These variables are required for all cases.
- 2) Code all available Demographic, Consumer Education, and Housing data. Code the unavailable data as "M." Do not leave the fields for these variables as blank.
- 3) Usage, Payment/Collections, and Utility Services variables are not required. Code the uncollected or non-applicable variables as "M." Do not leave the fields for these variables as blank.

Refer to the index to determine which variables belong to each subject category.

Weather-Normalizing Jobs: It is preferred that usage data for all LIURP jobs are weather normalized, regardless of job type (see variables ADJPRE and ADJPOST). **Companies are expected to make every effort possible to weather normalize their energy usage data.** If usage data for certain jobs are NOT normalized, code the variable NORMETH as 01 for "Data Not Normalized."

Reporting "Other" Values: Throughout the Codebook, many variables include a possible coded response for "Other." The coder is asked to "retain notes" for all instances where a variable is coded as "Other." The term "other" is used to designate a general code for all responses which do not fit any of the specific response categories in the Codebook. The code for "other" is typically all nines. The total number of nines for each variable depends on the number of columns available for that variable -- each column for the variable should

contain a nine (for example, one column = 9, two columns = 99, three columns = 999, etc.). Report all "Other" values which are not coded under any specific category on a separate "Other" Reporting Form. This form and reporting instructions are provided in each edition of the codebook and may be copied or reproduced as needed.

Do not create new variables or values without approval of the BCS. If any information does not fit into existing codes contact David Mick at the PUC\BCS.

Data Verification and Quality Control

All data entry should include a verification process. Typically verification involves a process of entering the same data at two different times with a comparison check to identify any dissimilarity. Potential errors are identified and the corrected data is entered.

Data quality control is enhanced further by checking entered values for inappropriate, out-of-range values, or "outliers." Range checks should be made for each variable in the Codebook. The values and value ranges were discussed and agreed upon at the November 1990 LIURP evaluation meeting, and at subsequent meetings to address necessary coding changes. For optimal efficiency, utility companies are urged to perform range checks on all variables and correct any inaccurate data prior to transmission to the PUC. A list of "outliers" (unusually high or low values) that have been verified as accurate data should accompany the data transmission to the PUC using the form provided entitled OUTLIER VALIDATION REPORTING SHEET.

The Penn State CSIS Project will perform range checks on all variables for the PUC. The values and/or value ranges indicated in this codebook will be used. Lists of "potential errors" so identified will then be sent to the PUC/BCS for decisions about inclusion or revision. The PUC/BCS and CSIS Project will work with utility companies to verify that the data are accurate (and should be included) or in need of correction. In the latter case, companies will be asked to provide corrected data. Depending on the nature of the identified errors, companies may be required to resubmit the entire data set, or simply contact the CSIS Project with specified data corrections.

Reporting Data to the PUC

Report data to the PUC/BCS or CSIS Project in common ASCII characters (unless otherwise approved by the CSIS Project). It is preferred that data sets be e-mailed to the CSIS Project (JXS10@psu.edu) as either .txt or .doc formats. Large data files and multiple files can be zipped before being transferred. However, data sets may also be mailed on either 3½" diskettes, CD-ROM, travel drive, or 100 or 250 zip disks. (Note that 5¼" diskettes and track tapes are no longer supported.) All data formats should be IBM-compatible (preferably Windows 98 or later). All initial data submissions should include the following:

Diskettes, travel drive, CD-ROM, or E-mailed data file containing the required data.

A computer printout or memorandum indicating the total case count (total "N").

A listing of all data for the first and last case in each data set, or on each diskette/tape.

A "frequencies" listing of all values for the following variables: COMPANY, HOUSETP, STATUS,

A completed Outlier Validation Reporting Sheet, containing all appropriate information,

A completed Form for Reporting "Other" Values, containing all appropriate information.

Additional supplemental data files, such as Excel spreadsheets, as necessary.

The latter three requirements allow the PUC\BCS and the Penn State CSIS Project to verify that the data set received and installed on the Penn State system is accurate and complete, and matches what the company intended to send.

Include costs incurred for remedial education after the year following the installation of weatherization measures in field support costs reported directly to the PUC in Table 1, not in this database.

Reporting Schedule

The reporting schedule is as announced by the PUC/BCS. Data reporting adheres to a total case reporting rule. Send the entire data set, including pre- and post-weatherization data, at the same time.

Changes made in March, 2017

- Added Measure R4 for R-44 Ceiling Insulation

Changes made in September, 2016

- Removed names of retired PUC/BCS personnel
- Removed some cross reference notes that were no longer accurate
- Changed label for SPECFRGA "Customer Choice Program" to "Customer Shopping Program" (page 28)

Changes Made in January, 2016

This edition of the Codebook contains the following revisions:

- Prepared instructions for reporting supplemental data files (separate document).
- Updated coding ranges to identify outliers for various variables throughout the Codebook
- Updated weather normalization notes (pages 3 and 18).
- Updated data reporting notes (pages 4 and 5).
- Added 4 = BTU to coding for UNIT (page 13).
- Added coding notes for CONTRACT (page 14).
- Changed coding for Special Payment Program (SPECPRGB) to pre-period only. Request post-period information to be included in supplemental data file (page 27).

- Expanded coding notes for reporting weatherization measures (MEASR1-20) (page 31).
- Added note for reporting supplemental data for the variable HOUSETP (page 40).
- Expanded the coding for Housing Type (HOUSETP) (page 40) to:
 - 1 - 1 ½, 2 or more story single family
 - 2 - Ranch, single level
 - 3 - Bi-level or split level
 - 4 - Mobile home (half or more heated living space is the mobile home)
 - 5 - Row house, inside of row
 - 6 - Row house, end of row
 - 7 - Duplex or condominium with two units
 - 8 - Multi-family, including condo, with three or more units
 - 9 - Other
 - 10 - Manufactured, modular housing
- Added the following values to SUPHEATB and SUPHEATF (pages 43 and 44):
 - 09 = Pellet stove
 - 10 = Electric space heater
- Added coding notes for reporting specific weatherization measures (page 60).
- Added the following new MEASR codes (page 60):
 - LD = LED Lighting
 - HS = Health and Safety Measures
 - CM = Carbon Monoxide Detector
 - SA = Smoke Alarms
- Added coding noted for MEASR = 78 (page 60).
- Changed the following variables from Optional to Required:

EDDATEB	DATE EDUCATION SERVICE BEGIN (MMDDYYYY) (page 34)
EDDATEF	DATE EDUCATION SERVICE FINISH (MMDDYYYY) (page 34)
EDCON	TOTAL OF ALL CONSUMER EDUCATION CONTACTS (page 34)
HOMECONT	NUMBER OF IN-HOME EDUCATION CONTACTS (page 34)
REMVISIT	NUMBER OF IN-HOME REMEDIAL EDUCATION CONTACTS (page 34)
REMCONT	NUMBER OF NON-HOME REMEDICL EDUCATION CONTACTS (page 35)
EDCOST	TOTAL COST OF PROVIDING CONSERVATION EDUCATION (page 35)
EMPLOY	EMPLOYMENT STATUS OF HEAD OF HOUSEHOLD (page 38)
HOUSEAGE	YEAR MAJOR PORTION OF HOUSE WAS CONSTRUCTED (page 41)
SUPHEATB	PRIMARY SOURCE OF SUPPLEMENTAL HEAT IN PRE-PERIOD (page 43)
SUPHEATF	PRIMARY SOURCE OF SUPPLEMENTAL HEAT IN POST-PERIOD (page 44)

The previous (May, 2013) edition of this codebook contained updated coding rules for EXADJPOS and newly added values for the FUNDSORC variable to account for any jobs that were performed in combination with Act 129 funding.

Any variations from this codebook must be approved by Sarah Dewey of the PUC\BCS.

Part 2
LIURP Coding Instructions

VAR # NAME

DESCRIPTION

COLUMN

<p>GENERAL INFORMATION VARIABLES</p>

001 COMPANY COMPANY I.D. CODE # (Required) 1-2

CODING: Identify the utility company providing LIURP Weatherization services as follows:

- 03 - Duquesne Light
- 06 - Metropolitan Edison (First Energy)
- 08 - Pennsylvania Electric Company (First Energy)
- 09 - Pennsylvania Power Company (First Energy)
- 10 - Pennsylvania Power and Light Company (PP&L)
- 11 - PECO Energy (Philadelphia Electric Company)
- 22 - UGI Electric Utility Division
- 24 - West Penn Power Company (First Energy)
- 39 - Columbia Gas Company
- 47 - Equitable Gas Company (Peoples)
- 63 - National Fuel Gas Company (NFG)
- 67 - UGI Central Penn Gas
- 69 - UGI Penn Natural Gas
- 71 - Peoples Natural Gas
- 73 - Peoples TWP (T. W. Phillips)
- 76 - Philadelphia Gas Works (PGW)
- 88 - UGI Gas Utility Division

Coding: No missing or N/A codes allowed

002 YEAR PROGRAM YEAR FOR WEATHERIZATION (Required) 3-6

CODING: Code the full four digits of the program year (e.g. 1999, 2000, etc.). The program year for completed homes (LIURP and hybrids) is the calendar year in which the last physical weatherization measure was installed or completed in the home.

Report expenses incurred for homes requiring no treatment, those too run-down for effective weatherization, safety exclusions or incomplete jobs in the year in which the last expenses are incurred. (See General Guidelines for reporting remedial consumer education costs incurred after the post period.)

Code all four digits of the program year
No missing or N/A values allowed
Range check for coding is current program year.

003 CUSTNUM CUSTOMER ACCOUNT NUMBER (Required) 7-32

CODING: Dashes and alphabetical characters will be accepted. However, it is preferable that dashes be omitted when coding the Customer Account Number. Right justify the utility customer account number.

Code account number
All 9's - Other (retain notes)
No missing or N/A codes allowed.

VAR #	NAME	DESCRIPTION	COLUMN
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004	ZIPCODE	ZIP CODE FOR THE RESIDENCE (Required)	33-37
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CODING: Enter the five digit U.S. Postal Zip Code for the residence to be weatherized.

If mailing address is different from the residence address always code Zip Code for the residence.

Code five digit Zip Code
M - Missing, N/A
Range check for coding is 15000-19999.

005	COUNTY	COUNTY OF RESIDENCE (Required)	38-40
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CODING: Code the county of the weatherized home as follows:

- | | |
|---|--|
| <ul style="list-style-type: none"> 001 ADAMS 003 ALLEGHENY 005 ARMSTRONG 007 BEAVER 009 BEDFORD 011 BERKS 013 BLAIR 015 BRADFORD 017 BUCKS 019 BUTLER 021 CAMBRIA 023 CAMERON 025 CARBON 027 CENTRE 029 CHESTER 031 CLARION 033 CLEARFIELD 035 CLINTON 037 COLUMBIA 039 CRAWFORD 041 CUMBERLAND 043 DAUPHIN 045 DELAWARE 047 ELK 049 ERIE 051 FAYETTE 053 FOREST 055 FRANKLIN 057 FULTON 059 GREENE 061 HUNTINGDON 063 INDIANA 065 JEFFERSON 067 JUNIATA 069 LACKAWANNA 071 LANCASTER 073 LAWRENCE 075 LEBANON 077 LEHIGH 079 LUZERNE 081 LYCOMING 083 McKEAN 085 MERCER 087 MIFFLIN 089 MONROE 091 MONTGOMERY 093 MONTOUR | <ul style="list-style-type: none"> 095 NORTHAMPTON 097 NORTHUMBERLAND 099 PERRY 101 PHILADELPHIA 103 PIKE 105 POTTER 107 SCHUYLKILL 109 SNYDER 111 SOMERSET 113 SULLIVAN 115 SUSQUEHANNA 117 TIOGA 119 UNION 121 VENANGO 123 WARREN 125 WASHINGTON 127 WAYNE 129 WESTMORELAND 131 WYOMING 133 YORK |
|---|--|

VAR #	NAME	DESCRIPTION	COLUMN
006	MCD	MINOR CIVIL DIVISION (Optional)	41-43

CODING: From the minor civil division list in **APPENDIX A** enter the three digit MCD portion of the code for the minor civil division of the weatherized residence. Both county (VAR005) and MCD (VAR006) are required for accurate analysis.

Code three digit MCD
 999 - Other (retain notes)
 M - Missing, N/A
 Range check for coding is 001-700.

202	STATUS	PROGRAM COMPLETION STATUS (Required)	738
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CODING: Code program completion status as follows:

- 1 - Completed job – customer received the intended array of measures and services.
- 2 - Incomplete job – dropped from program by the company, customer withdraws from the program before completion, ratepayer of record changes, or dwelling is too dilapidated to weatherize (previously codes 2, 3, 4, 6 and 7)
- 3 - Completed energy audit/survey and/or education only – home required no other services (previously code 5).
- M – Missing

306	FUNDSORC	WEATHERIZATION FUNDING SOURCES USED (Required)	745
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CODING: Code the sources of weatherization funding used to provide services at the time of LIURP weatherization.

Any time landlord contributions are involved, code as 5, regardless of the presence of Act 129 or other funds. Report the amounts of landlord contributions on Table One.

Note: ARRA funding is available from 1/1/10 to 3/31/12. Jobs that combine LIURP with ARRA funding should be coded as 3, for “LIURP and Other.” This code should also contain LIURP jobs that are combined with traditional DCED Weatherization jobs (WAP). If either of these jobs has been coded differently, please contact Penn State at jxs10@psu.edu with the details.

- 1 - LIURP only
- 2 - LIURP and Act 129
- 3 - LIURP and other (not Act 129)
- 4 - LIURP, Act 129, and other
- 5 - LIURP and landlord contributions
- 9 - Other (retain notes)
- M - Missing

VAR #	NAME	DESCRIPTION	COLUMN
307	NORMETH	WEATHER NORMALIZATION METHOD USED (Required)	746-747
		CODING: Indicate the type of weather normalization method used for VAR81 and VAR82.	
		01 - Data not normalized 02 - Data not normalized because data are incomplete or inaccurate—see usage data status (variables 304 and 305) 03 - Prism normalization (heating degree days only) 04 - WECC normalization (heating degree days only) 09 - Other (heating degree days only) (specify name and formula with an example on hard copy and submit with data to the PUC) 13 - Prism Normalization (both heating and cooling degree days) 14 - WECC (both heating and cooling degree days) 19 - Other (both heating and cooling degree days) (Specify name and formula with an example on hard copy and submit with data to the PUC) M – Missing	
301	RENEWABL	CUSTOMER PARTICIPATION IN RENEWABLE PILOTS (Required)	740
		CODING: Code for each household whether or not it is part of a Renewable Pilot program.	
		1 - Renewable Project 1 2 - Renewable Project 2 3 - Both Renewable Projects 4 - No Renewable Project	
		Note: This variable replaces CODEBOOK in the dataset.	
605	PILOT	CUSTOMER ENROLLED IN LIURP PILOT PROGRAM (Required)	1084
		CODING: Code for each household whether or not it is part of a LIURP pilot program in either the pre- or post LIURP period.	
		1 - Yes, Pilot 1 2 - Yes, Pilot 2 3 - Yes, Pilot 3 4 - No, customer not enrolled in a Pilot Program M - Missing, N/A	
		NOTE: Companies may submit additional PILOT values, if approved By the BCS.	
007	SERTYPEB	TYPE OF WEATHERIZATION JOB – PRE PERIOD (Required)	44
		CODING: Code the type of service supplied to the customer by the utility for the pre-period as follows:	
		1 - Space Conditioning (Heating/Water Heating) 2 - Water Heating only – weatherization services/measures installed in the home of a customer who heats their water (but does not space heat) with the type of utility service supplied by your utility. 3 - Residential Baseload M - Missing	

VAR #	NAME	DESCRIPTION	COLUMN
308	JOBTYPE	TYPE OF WEATHERIZATION JOB – POST PERIOD (Required)	748
		CODING: Code the type of weatherization job.	
		<ul style="list-style-type: none"> 1 - Space Conditioning (Heating/Water Heating) 2 - Water Heating only – weatherization services/measures installed in the home of a customer who heats their water (but does not space heat) with the type of utility service supplied by your utility. 3 - Residential Baseload 4 - Refrigerator Replacement only M - Missing 	
415	SERTYPEF	CUSTOMER USE OF SERVICE FOR POST-PERIOD (Optional)	871
		CODING: Code the customer's actual post-period use of the type of energy supplied by the utility as follows:	
		<ul style="list-style-type: none"> 1 - Space Conditioning (Heating/Water Heating) 2 - Water Heating only – weatherization Services/ measures installed in the home of a customer who heats their water (but does not space heat) with the type of utility service supplied by your utility. 3 - Residential Baseload M - Missing 	
008	CLASS	CUSTOMER CLASS OF SERVICE PRE-PERIOD (Required)	45
		CODING: Code customer class of service as follows:	
		<ul style="list-style-type: none"> 1 - Normal metered service 2 - Time of day meter 3 - Off peak service 4 - Heating rate 5 - Water heating rate 9 - Other (retain notes) M - Missing 	
303	CLASSF	CUSTOMER CLASS OF SERVICE FOR POST-PERIOD (Required)	742
		CODING: Code customer class of service as follows:	
		<ul style="list-style-type: none"> 1 - Normal metered service 2 - Time of day meter 3 - Off peak service 4 - Heating rate 5 - Water heating rate 9 - Other (retain notes) M – Missing 	

VAR #	NAME	DESCRIPTION	COLUMN
093	PREDSAV	<p>PREDICTED ANNUAL ENERGY SAVINGS (Optional)</p> <p>CODING: Code reduction in energy use predicted for the dwelling. Predictions should be derived from the audit mechanism where it is used, or from other sources where the audit has been waived.</p> <p>Code savings as the total annual number of KWH or MCF. Always code MCF to one decimal point with the decimal entered in the data set. Never code KWH with a decimal.</p> <p>Code KWH or MCF as indicated above 99998 - Values 99998 or higher 99999 - Other (retain notes) M - Missing, N/A</p> <p>Range checks for coding are 0-200.0 MCF/Year or 0-20,000 KWH/Year.</p>	385-389
094	PREDDOL	<p>PREDICTED ANNUAL DOLLAR SAVINGS (Optional)</p> <p>CODING: Code reduction in annual utility costs predicted for the dwelling. Code savings to the nearest whole dollar amount.</p> <p>Code five digits to nearest whole dollar 99998 - Values 99998 or higher 99999 - Other (retain notes) M - Missing, N/A</p> <p>Range check for coding is 0-700.</p>	390-394
302	UNIT	<p>UNIT OF MEASURE FOR ENERGY USAGE (Required)</p> <p>CODING: Code unit of measure in which energy consumption is being reported.</p> <p>1 - KWH 2 - MCF 3 - CCF 4 - BTU 6 - Dekatherms</p> <p>Missing values not allowed</p> <p>NOTE: All reported gas units are converted to Mcf for analyses.</p>	741

VAR # NAME DESCRIPTION COLUMN

606 CONTRACT PRIMARY CONTRACTOR EMPLOYED BY COMPANY (Required) 1085-1087

CODING: Each company must provide a list of contractors to the PUC/BCS. This list is to include all primary contractors employed by the company. Provide the full, formal name of the contractor. **Do not include** subcontractors and other non-primary contractors. Assign to each contractor a numerical code from 001-998. Use as many numerical values as needed. If the list of contractors changes on a yearly basis, do not reassign any existing codes. Each contractor must have a unique numerical value.

For each case, code the numerical value assigned to the contractor responsible for the majority of the work performed on that household.

Code the assigned value for contractor

001- 998

999 - Other (retain notes)

M - Missing, N/A

Note: Contractor names are maintained on file at the CSIS office. Whenever a new contractor is added, submit the name of this contractor and its code to the CSIS Project. You can include this information in the email with the data file submission, or in a separate document submitted with the yearly data file.

PRE USAGE AND BILLING VARIABLES
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009 - 020**MONTHLY USE OF SERVICE IN THE PRE-PERIOD (Optional)****46-117**

009	PREUSE1	KWH/MCF IN FIRST MONTH (BILLING PERIOD) OF PRE-PERIOD	46-51
010	PREUSE2	KWH/MCF IN 2ND MONTH (BILLING PERIOD) OF PRE-PERIOD	52-57
011	PREUSE3	KWH/MCF IN 3RD MONTH (BILLING PERIOD) OF PRE-PERIOD	58-63
012	PREUSE4	KWH/MCF IN 4TH MONTH (BILLING PERIOD) OF PRE-PERIOD	64-69
013	PREUSE5	KWH/MCF IN 5TH MONTH (BILLING PERIOD) OF PRE-PERIOD	70-75
014	PREUSE6	KWH/MCF IN 6TH MONTH (BILLING PERIOD) OF PRE-PERIOD	76-81
015	PREUSE7	KWH/MCF IN 7TH MONTH (BILLING PERIOD) OF PRE-PERIOD	82-87
016	PREUSE8	KWH/MCF IN 8TH MONTH (BILLING PERIOD) OF PRE-PERIOD	88-93
017	PREUSE9	KWH/MCF IN 9TH MONTH (BILLING PERIOD) OF PRE-PERIOD	94-99
018	PREUSE10	KWH/MCF IN 10TH MONTH (BILLING PERIOD) OF PRE-PERIOD	100-105
019	PREUSE11	KWH/MCF IN 11TH MONTH (BILLING PERIOD) OF PRE-PERIOD	106-111
020	PREUSE12	KWH/MCF IN 12TH MONTH (BILLING PERIOD) OF PRE-PERIOD	112-117

CODING: Report non-normalized actual or estimated usage. The pre-period is the twelve monthly billing periods ending immediately before the monthly billing period in which weatherization services were provided.

"Monthly billing period" is based on a billing period of 26-35 days as specified in PUC regulations.

The first or last monthly billing period should reflect an actual meter read.

Always code MCF to one decimal point with the decimal entered in the data set. Never code KWH with a decimal.

Code amount of monthly billing period usage
 999998 - Values 999998 or higher
 999999 - Other (retain notes)
 M - Missing, N/A

Range checks for coding are 0.0-80.0 MCF, 0-800 CCF, or 0-7000 KWH.

VAR #	NAME	DESCRIPTION	COLUMN
021-032		BILL CODE FOR THE PRE-PERIOD (Optional)	119-130
021	PREE1	PREUSE1 BILL CODE	119
022	PREE2	PREUSE2 BILL CODE	120
023	PREE3	PREUSE3 BILL CODE	121
024	PREE4	PREUSE4 BILL CODE	122
025	PREE5	PREUSE5 BILL CODE	123
026	PREE6	PREUSE6 BILL CODE	124
027	PREE7	PREUSE7 BILL CODE	125
028	PREE8	PREUSE8 BILL CODE	126
029	PREE9	PREUSE9 BILL CODE	127
030	PREE10	PREUSE10 BILL CODE	128
031	PREE11	PREUSE11 BILL CODE	129
032	PREE12	PREUSE12 BILL CODE	130

CODING: Code the type of bill rendered to the customer for the 12 monthly billing periods prior to weatherization as indicated below.

- 1 - Estimated bill for usage for that billing month
- 2 - Actual bill for usage for that billing month
- 3 - Adjusted bill for more than one month
- 4 - Bill for short month
- 5 - No bill sent
- 9 - Other (retain notes)
- M - Missing

VAR #	NAME	DESCRIPTION	COLUMN
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033 - 044	MONTHLY BILL FOR SERVICE IN THE PRE-PERIOD (Optional)	132-191
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For 1990 and later cases, reporting monthly revenue bills here (VAR033 -VAR044) is optional but reporting the annual pre-period revenue bill in variable 414 is required.

033	PBILL1	BILL IN 1ST MONTH OF PRE-PERIOD	132-136
034	PBILL2	BILL IN 2ND MONTH OF PRE-PERIOD	137-141
035	PBILL3	BILL IN 3RD MONTH OF PRE-PERIOD	142-146
036	PBILL4	BILL IN 4TH MONTH OF PRE-PERIOD	147-151
037	PBILL5	BILL IN 5TH MONTH OF PRE-PERIOD	152-156
038	PBILL6	BILL IN 6TH MONTH OF PRE-PERIOD	157-161
039	PBILL7	BILL IN 7TH MONTH OF PRE-PERIOD	162-166
040	PBILL8	BILL IN 8TH MONTH OF PRE-PERIOD	167-171
041	PBILL9	BILL IN 9TH MONTH OF PRE-PERIOD	172-176
042	PBILL10	BILL IN 10TH MONTH OF PRE-PERIOD	177-181
043	PBILL11	BILL IN 11TH MONTH OF PRE-PERIOD	182-186
044	PBILL12	BILL IN 12TH MONTH OF PRE-PERIOD	187-191

CODING: Report revenue bills for the pre-period. The pre-period is the twelve monthly billing periods ending immediately before the monthly billing period in which weatherization services are provided. Thus, the variable PBILL1 is the first bill in the year prior to weatherization. Amounts should be reported for actual and estimated revenue bills.

The monthly bill for service in the pre-period should be rounded to the nearest dollar, with no decimals (cents).

Code amount of pre-period revenue bills in dollars
 99998 - Values 99998 or higher
 99999 - Other (retain notes)
 M – Missing

VAR #	NAME	DESCRIPTION	COLUMN
081	ADJPRE	ANNUAL (WEATHER ADJUSTED) USAGE IN THE PRE-PERIOD (Required)	340-345

CODING: Report weather normalized usage for all jobs and record the proper weather-normalization code under the variable NORMETH (Var # 307, columns 746-747). Various weather normalization methods are acceptable provided that the pre-period and post-period figures are computed using the same method and a reference point temperature (pre-period and post-period) of 65 F. Use regional weather data from NOAA in the calculations.

It is preferred that all job types be weather-normalized. If a job is not weather normalized (usually either water heating or baseload), report actual, non-adjusted annual usage figures and code the variable NORMETH as 01 for "Data Not Normalized."

If pre-period usage data is not reported here, code the reason for the exclusion under VAR305 in column 734.

Code annual weather-normalized usage or actual usage for pre-period
M - Missing, N/A

Range checks for coding are 0.0-800.0 MCF/Year; 8000 CCF/Year;
0-70,000 KWH/Year.

304	EXADJPRE	ANNUAL USAGE DATA STATUS FOR PRE-PERIOD (Required)	743
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NOTE: Use this variable to indicate whether reported data for the pre-period is accurate and complete, and therefore should be used for energy analysis. The general rule is that every effort should be made to provide accurate usage data.

CODING: Code as follows:

- 1 - Accurate and complete data was reported
- 2 - Data may be incomplete or inaccurate because of non-continuous service
- 3 - Data may be incomplete or inaccurate because of zero usage for one or more months
- 4 - Data may be incomplete or inaccurate because of insufficient number of actual meter reads
- 9 - Other (retain notes)
- M - Missing, N/A

VAR #	NAME	DESCRIPTION	COLUMN
401 - 413		MONTHLY BILLING PERIOD DATES PRE-PERIOD (Optional)	761-864
401	BLSPRE1	START DATE 1ST MONTHLY BILLING PERIOD PRE	761-768
402	BLEPRE1	END DATE 1ST MONTHLY BILLING PERIOD PRE	769-776
403	BLEPRE2	END DATE 2ND MONTHLY BILLING PERIOD PRE	777-784
404	BLEPRE3	END DATE 3RD MONTHLY BILLING PERIOD PRE	785-792
405	BLEPRE4	END DATE 4TH MONTHLY BILLING PERIOD PRE	793-800
406	BLEPRE5	END DATE 5TH MONTHLY BILLING PERIOD PRE	801-808
407	BLEPRE6	END DATE 6TH MONTHLY BILLING PERIOD PRE	809-816
408	BLEPRE7	END DATE 7TH MONTHLY BILLING PERIOD PRE	817-824
409	BLEPRE8	END DATE 8TH MONTHLY BILLING PERIOD PRE	825-832
410	BLEPRE9	END DATE 9TH MONTHLY BILLING PERIOD PRE	833-840
411	BLEPRE10	END DATE 10TH MONTHLY BILLING PERIOD PRE	841-848
412	BLEPRE11	END DATE 11TH MONTHLY BILLING PERIOD PRE	849-856
413	BLEPRE12	END DATE 12TH MONTHLY BILLING PERIOD PRE	857-864

CODING: Code dates as MMDDYYYY for the start of the first monthly billing period and the end of the 12 monthly billing periods in the (year) pre-period.

Code date as MMDDYYYY
M - Missing, N/A

NOTE: Related energy usage variables are VAR07-VAR44.

414	ANULSUMB	ANNUAL SUM OF REVENUE BILLS FOR PRE-PERIOD (Required)	865-870
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CODING: Code the sum of the revenue bills for the year prior to weatherization. Code whole dollars, no decimals (cents).

This variable is to be coded for non-CAP and non-Customer Choice customers.

Code sum of revenue bills for pre-period
999999 - Other (retain notes)
M - Missing, N/A
Range checks for coding are 0-4000 and 999999.

VAR # NAME

DESCRIPTION

COLUMN

POST USAGE BILLING

045 - 056**MONTHLY USE OF SERVICE IN THE POST-PERIOD (Optional)****193-264**

045	AFTUSE1	KWH/MCF IN 1ST MONTH OF POST-PERIOD	193-198
046	AFTUSE2	KWH/MCF IN 2ND MONTH OF POST-PERIOD	199-204
047	AFTUSE3	KWH/MCF IN 3RD MONTH OF POST-PERIOD	205-210
048	AFTUSE4	KWH/MCF IN 4TH MONTH OF POST-PERIOD	211-216
049	AFTUSE5	KWH/MCF IN 5TH MONTH OF POST-PERIOD	217-222
050	AFTUSE6	KWH/MCF IN 6TH MONTH OF POST-PERIOD	223-228
051	AFTUSE7	KWH/MCF IN 7TH MONTH OF POST-PERIOD	229-234
052	AFTUSE8	KWH/MCF IN 8TH MONTH OF POST-PERIOD	235-240
053	AFTUSE9	KWH/MCF IN 9TH MONTH OF POST-PERIOD	241-246
054	AFTUSE10	KWH/MCF IN 10TH MONTH OF POST-PERIOD	247-252
055	AFTUSE11	KWH/MCF IN 11TH MONTH OF POST-PERIOD	253-258
056	AFTUSE12	KWH/MCF IN 12TH MONTH OF POST-PERIOD	259-264

CODING: Report non-normalized actual or estimated usage. The post-period is the twelve monthly billing periods beginning immediately after the monthly billing period in which weatherization services are provided.

"Monthly billing period" is based on a billing period of 26-35 days as specified in PUC regulations. The first or last monthly billing period should reflect an actual meter read.

Always code MCF to one decimal point with the decimal entered in the data set.
Never code KWH with a decimal.

Code amount of post-period monthly billing period usage
999998 - Values 999998 or higher
999999 - Other (retain notes)
M - Missing

Range checks for coding are 0-80.0 MCF/ 800 CCF/Year;
or 0-7000 KWH.

VAR #	NAME	DESCRIPTION	COLUMN
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057 - 068		BILL CODE FOR THE POST-PERIOD (Optional)	266-277
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057	AFTE1	AFTUSE1 BILL CODE	266
058	AFTE2	AFTUSE2 BILL CODE	267
059	AFTE3	AFTUSE3 BILL CODE	268
060	AFTE4	AFTUSE4 BILL CODE	269
061	AFTE5	AFTUSE5 BILL CODE	270
062	AFTE6	AFTUSE6 BILL CODE	271
063	AFTE7	AFTUSE7 BILL CODE	272
064	AFTE8	AFTUSE8 BILL CODE	273
065	AFTE9	AFTUSE9 BILL CODE	274
066	AFTE10	AFTUSE10 BILL CODE	275
067	AFTE11	AFTUSE11 BILL CODE	276
068	AFTE12	AFTUSE12 BILL CODE	277

CODING: Code the type of bill rendered to the customer for the 12 monthly billing periods following weatherization as indicated below.

- 1 - Estimated bill or usage for that billing month
- 2 - Actual bill or usage for that billing month
- 3 - Adjusted bill for multiple months
- 4 - Bill for short month
- 5 - No bill sent
- 9 - Other (retain notes)
- M – Missing

VAR #	NAME	DESCRIPTION	COLUMN
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069 - 080	MONTHLY BILL FOR SERVICE IN THE POST-PERIOD (Optional)	279-338
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For 1990 and later cases, reporting monthly revenue bills here (VAR069 -VAR080) is optional but reporting the annual pre-period revenue bill in variable 429 is required.

069	AFBILL1	BILL IN 1ST MONTH OF POST-PERIOD	279-283
070	AFBILL2	BILL IN 2ND MONTH OF POST-PERIOD	284-288
071	AFBILL3	BILL IN 3RD MONTH OF POST-PERIOD	289-293
072	AFBILL4	BILL IN 4TH MONTH OF POST-PERIOD	294-298
073	AFBILL5	BILL IN 5TH MONTH OF POST-PERIOD	299-303
074	AFBILL6	BILL IN 6TH MONTH OF POST-PERIOD	304-308
075	AFBILL7	BILL IN 7TH MONTH OF POST-PERIOD	309-313
076	AFBILL8	BILL IN 8TH MONTH OF POST-PERIOD	314-318
077	AFBILL9	BILL IN 9TH MONTH OF POST-PERIOD	319-323
078	AFBILL10	BILL IN 10TH MONTH OF POST-PERIOD	324-328
079	AFBILL11	BILL IN 11TH MONTH OF POST-PERIOD	329-333
080	AFBILL12	BILL IN 12TH MONTH OF POST-PERIOD	334-338

CODING: Report revenue bills for 12 monthly billing periods following weatherization. The year after weatherization is the 12 monthly billing periods commencing immediately after the monthly billing period in which all routinely scheduled weatherization services are provided. Thus, the variable AFBILL1 is the first month after weatherization, and so on. Amounts should be reported for actual and estimated revenue bills.

The monthly bill for service in pre-period should be rounded to nearest dollar, with no decimals (cents).

Code amount of pre-period revenue bills in dollars
 99998 - Values 99998 or higher
 99999 - Other (retain notes)
 M - Missing

VAR #	NAME	DESCRIPTION	COLUMN
082	ADJPOST	ANNUAL (WEATHER ADJUSTED) USAGE IN THE POST-PERIOD (Required)	346-351

CODING: Report weather normalized usage for all jobs and record the proper weather-normalization code under the variable NORMETH (Var # 307, columns 746-747). Various weather normalization methods are acceptable provided that the pre-period and post-period figures are computed using the same method and a reference point temperature (pre-period and post-period) of 65 F. Use regional weather data from NOAA in the calculations.

Although it is preferred that all job types be weather-normalized, usage data for water heating accounts and baseload accounts (non-space conditioning jobs) do not need to be weather normalized. For these jobs report actual, non-adjusted annual usage figures and code the variable NORMETH as 01 for "Data Not Normalized."

If post-period usage data is not reported here, code the reason for the exclusion under VAR305 in column 734.

Code annual weather-normalized usage for post-period
M - Missing, N/A

Range checks for coding are 0.0-800.0 MCF/Year; 0.0-8000.0 CCF;
0-70,000 KWH/Year.

305	EXADJPOS	ANNUAL USAGE DATA STATUS FOR POST-PERIOD (Required)	744
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NOTE: Use this variable to indicate whether reported data for the post-period is accurate and complete, and therefore should be used for energy analysis. The general rule is that every effort should be made to provide accurate usage data.

CODING: Code as follows:

- 0 – Completed job did not receive full array of intended Measures, due to client refusal, include in analysis (code STATUS as 1) (Keep list of measures refused)
- 1 - Accurate and complete data was reported
- 2 - Data may be incomplete or inaccurate because of non-continuous service
- 3 - Data may be incomplete or inaccurate because of zero usage for one or more months
- 4 - Data may be incomplete or inaccurate because of insufficient number of actual meter reads
- 5 - Data not reported because of ratepayer change before the last month of the post-LIURP period
- 6 - Completed job did not receive full array of intended measures, do not include in analyses (code STATUS as 2)
- 7 - Energy usage increased in post period for valid reason
- 9 - Other (retain notes)
- M - Missing, N/A

NOTE: Codes 6 and 7 are a required change for jobs reported for the 2005 Program Year (beginning January 1, 2005). Coding is optional for program years prior to 2005.

VAR #	NAME	DESCRIPTION	COLUMN
416 - 428		MONTHLY BILLING PERIOD DATES POST-PERIOD (Optional)	872-967
416	BLSPOS1	START DATE 1ST MONTHLY BILLING PERIOD POST	872-879
417	BLEPOS1	END DATE 1ST MONTHLY BILLING PERIOD POST	880-887
418	BLEPOS2	END DATE 2ND MONTHLY BILLING PERIOD POST	888-895
419	BLEPOS3	END DATE 3RD MONTHLY BILLING PERIOD POST	896-903
420	BLEPOS4	END DATE 4TH MONTHLY BILLING PERIOD POST	904-911
421	BLEPOS5	END DATE 5TH MONTHLY BILLING PERIOD POST	912-919
422	BLEPOS6	END DATE 6TH MONTHLY BILLING PERIOD POST	920-927
423	BLEPOS7	END DATE 7TH MONTHLY BILLING PERIOD POST	928-935
424	BLEPOS8	END DATE 8TH MONTHLY BILLING PERIOD POST	936-943
425	BLEPOS9	END DATE 9TH MONTHLY BILLING PERIOD POST	944-951
426	BLEPOS10	END DATE 10TH MONTHLY BILLING PERIOD POST	952-959
427	BLEPOS11	END DATE 11TH MONTHLY BILLING PERIOD POST	960-967
428	BLEPOS12	END DATE 12TH MONTHLY BILLING PERIOD POST	968-975

CODING: Code dates as MMDDYYYY for the start of the first monthly billing period and end of the 12 monthly billing periods in the (year) post-period.

Code dates as MMDDYYYY
M - Missing, N/A

429	ANULSUMF	ANNUAL SUM OF REVENUE BILLS FOR POST-PERIOD (Required)	976-981
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CODING: Code the sum of the revenue bills for the year following weatherization. Code whole dollars, no decimals (cents).

This variable is to be coded for non-CAP and non-Customer Choice customers.

999999 - Other (retain notes)
M - Missing, N/A

Range checks for coding are 0-4000 and 999999

NOTE: Related energy usage variables are VAR45-VAR80.

VAR # NAME

DESCRIPTION

COLUMN

<p>PAYMENT ASSISTANCE VARIABLES</p>
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083 – 084 **NUMBER OF MISSED PAYMENTS (Optional)** **353-356**

083	MISPAY1	NUMBER OF MISSED PAYMENTS, PRE-PERIOD	353-354
084	MISPAY2	NUMBER OF MISSED PAYMENTS, POST-PERIOD	355-356

CODING: A missed payment occurs when a payment is due but no payment is received on an account. Code the total number of missed monthly payments for the pre-period and the post-period.

Code number of missed monthly payments
M - Missing, N/A

Range check for coding is 0-12.

085 - 086 **NUMBER OF PARTIAL PAYMENTS (Optional)** **357-360**

085	PARTPAY1	NUMBER OF PARTIAL PAYMENTS, PRE-PERIOD	357-358
086	PARTPAY2	NUMBER OF PARTIAL PAYMENTS, POST-PERIOD	359-360

CODING: A partial payment occurs when the amount paid is less than the amount the utility expected to receive based on any of the following: current bill, budget bill, optional payment, or payment arrangement. Code the total number of partial monthly payments for both the pre- and post-period.

Code number of partial monthly payments
M - Missing, N/A

Range check for coding is 0-30.

087 - 088 **NUMBER OF FULL PAYMENTS (Optional)** **361-364**

087	FULLPAY1	NUMBER OF FULL PAYMENTS, PRE-PERIOD	361-362
088	FULLPAY2	NUMBER OF FULL PAYMENTS, POST-PERIOD	363-364

CODING: A full payment occurs when the amount paid is the amount the utility expected to receive based on any of the following: current bill, budget bill, optional payment, or payment agreement. Code the total number of full payments for both the pre-period and the post-period.

Code the number of full monthly payments
M - Missing, N/A

Range check for coding is 0-13.

VAR #	NAME	DESCRIPTION	COLUMN
089 - 092		AMOUNT OWED (Required)	365-384
089	OWEDPRE1	The amounts owed (past due receivables) at the beginning of month 1 of the pre-period.	365-369
090	OWEDPRE2	The amounts owed at the end of month 12 of the pre-period.	370-374
091	OWEDPOS1	The amounts owed at the beginning of the post-period.	375-379
092	OWEDPOS2	The amounts owed at the end of the post-period.	380-384

CODING: "Amount owed" is the amount of past due receivables (including arrears and total dollars under agreement), and does not include any amounts for current service billed but not yet due. All amounts are to be rounded to nearest dollar, with no decimals (cents). Identify negative amounts by coding a minus sign in the column before the dollar amount.

Negative amounts are acceptable, but must be verified as being a credit for the account. Inform the BCS that negative dollar amounts are included in your data. Treat all negative dollar amounts greater than \$500 as an 'outlier' and include on the Outlier Reporting Sheet, along with the Customer Account Number for each case with a credit.

Code amount overdue at specified times
99998 - Values 99998 or higher
99999 - Other (retain notes)
M - Missing, N/A

Range check for coding is -500—3000.

193 -194		AMOUNT OF LIHEAP CASH GRANT (Required)	711-716
193	LIHEAPB	AMOUNT OF LIHEAP CASH GRANT, IF ANY, IN THE PRE-PERIOD	711-713
194	LIHEAPF	AMOUNT OF LIHEAP CASH GRANT, IF ANY, DURING THE PERIOD WHEN WEATHERIZATION WAS PERFORMED IN THE POST-PERIOD	714-716

CODING: List pre-period and post-period LIHEAP grant amounts in whole dollars, no decimals (cents).

Code amount of grants in whole dollars
998 - 998 or higher
999 - Other (retain notes)
M - Missing, N/A

Range checks for coding are 0-650 and 999.

VAR #	NAME	DESCRIPTION	COLUMN
195 - 196		AMOUNT OF LIHEAP CRISIS GRANT (Required)	717-722
195	CRISISB	AMOUNT OF LIHEAP CRISIS GRANT IN PRE-PERIOD	717-719
196	CRISISF	AMOUNT OF LIHEAP CRISIS GRANT, IF ANY, DURING THE PERIOD WHEN WEATHERIZATION WAS PERFORMED AND IN THE POST-PERIOD	720-722

CODING: List pre-period and post-period LIHEAP CRISIS grants (not LIHEAP CASH) amount in whole dollars (no cents). If possible, always report both LIHEAP and CRISIS amounts separately. However, if the two are rolled into a single amount, code this amount under LIHEAP cash and code a "C" for LIHEAP CRISIS to indicate that it is combined with LIHEAP cash.

Code amount of grants in whole dollars
 998 - 998 or higher
 999 - Other (retain notes)
 C - combined with LIHEAPB or LIHEAPF
 M - Missing, N/A

Range checks for coding are 0-800 and 999.

197 - 198		AMOUNT OF OTHER ENERGY GRANT(S) (Required)	723-728
197	OTHERB	TOTAL AMOUNT OF OTHER FUEL GRANT(S) IN PRE-PERIOD	723-725
198	OTHERF	TOTAL AMOUNT OF OTHER FUEL GRANT(S) IN POST-PERIOD	726-728

CODING: List sum total of all pre-period and post-period other energy grants (not LIHEAP) amount in whole dollars, no decimals (cents). Examples: Grants form Dollar Energy, UESF, Utility, Community and Church Hardship/Fuel Funds.

Code amount of grants in whole dollars
 998 - 998 or higher
 999 - Other (retain notes)
 M - Missing, N/A

Range check for coding is 0-999.

434	SPECPRGB	CAP PAYMENT PROGRAM, PRE- PERIOD (Required)	989
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CODING: Code whether during any part of the LIURP pre-period the customer was in a Special Payment Program (CAP) that allows the customer to pay less than current bills and/or obtain arrearage forgiveness. Typical budget billing and optional payment plans are not considered special programs.

1 - Customer was not in a special payment program
 2 - Customer was in a special payment program
 9 - Other (retain notes)
 M - Missing, N/A

Note: Please record whether the customer was in a special payment program During any part of the post-period and submit this information, along with the customer account number, in a separate file (see Supplemental Data Coding Instructions).

VAR #	NAME	DESCRIPTION	COLUMN
435	SPECPRGA	CUSTOMER SHOPPING PROGRAM, PRE- OR POST-PERIOD (Required)	990
		<p>CODING: Code whether the customer was in a Customer Shopping Program at any time during the pre- or post-period.</p> <p>1 - Customer was not in a customer shopping program 2 - Customer was in a customer shopping program 9 - Other (retain notes) M - Missing, N/A</p> <p>Note: Customer Shopping is also referred to as Customer Choice.</p>	
601	TERMPRE	NUMBER OF SERVICE TERMINATIONS, PRE-PERIOD (Optional)	1072-1073
		<p>CODING: Code the number of service terminations for the household in the pre-period.</p> <p>M - Missing/NA</p> <p>Range check for coding is 0-6.</p>	
602	TERMPOS	NUMBER OF SERVICE TERMINATIONS, POST-PERIOD (Optional)	1074-1075
		<p>CODING: Code the number of service terminations for the household in the post-period.</p> <p>M - Missing</p> <p>Range check for coding is 0-6</p>	
603	PAYPRE	ANNUAL DOLLARS OF CUSTOMER PAYMENTS IN PRE-PERIOD, EXCLUDING ENERGY ASSISTANCE DOLLARS (Required)	1076-1079
		<p>CODING: Code the total amount of dollars of customer payments received in the pre-period. <u>Do not</u> include any energy assistance dollars in this amount. Code to the nearest full dollar, no decimals (cents).</p> <p>Code total amount of dollars received. 9998 - 9998 or higher 9999 - Other (retain notes) M - Missing</p> <p>Range check for coding is 0-3500.</p>	
604	PAYPOST	ANNUAL DOLLARS OF CUSTOMER PAYMENTS IN POST- PERIOD, EXCLUDING ENERGY ASSISTANCE DOLLARS (Required)	1080-1083
		<p>CODING: Code the total amount of dollars of customer payments received in the post-period. <u>Do not</u> include any energy assistance dollars in this amount. Code to the nearest full dollar, no decimals (cents).</p> <p>Code total amount of dollars received. 9998 - 9998 or higher 9999 - Other (retain notes) M - Missing</p> <p>Range check for coding is 0-3500.</p>	

VAR #	NAME	DESCRIPTION	COLUMN
095 - 096		DATE OF PROGRAM SERVICES (Required)	395-410
095	SERDATEB	DATE PROGRAM SERVICES BEGIN (MMDDYYYY)	395-402
096	SERDATEF	DATE PROGRAM SERVICES FINISHED (MMDDYYYY)	403-410

CODING: The program services dates indicate the period when the company was providing services to the customer.

The beginning date is the date on which the first program activity other than the application took place. The first program activity may have been an energy education contact or a pre-audit/audit or energy survey visit.

The finish date indicates the day on which the last weatherization measure was installed in the home. Energy education visits may take place after the date that the program services are finished.

Code actual dates--MMDDYYYY
M - Missing, N/A

WEATHERIZATION MEASURE VARIABLES

097 - 156

WEATHERIZATION MEASURES (Required)

411-610

097	MEASR1	WEATHERIZATION MEASURE # 1	411-412
098	MCOST1	MATERIALS COST OF MEASURE # 1	413-416
099	LCOST1	LABOR COST OF MEASURE # 1	417-420
100	MEASR2	WEATHERIZATION MEASURE # 2	421-422
101	MCOST2	MATERIALS COST OF MEASURE # 2	423-426
102	LCOST2	LABOR COST OF MEASURE # 2	427-430
103	MEASR3	WEATHERIZATION MEASURE # 3	431-432
104	MCOST3	MATERIALS COST OF MEASURE #3	433-436
105	LCOST3	LABOR COST OF MEASURE #3	437-440
106	MEASR4	WEATHERIZATION MEASURE #4	441-442
107	MCOST4	MATERIALS COST OF MEASURE #4	443-446
108	LCOST4	LABOR COST OF MEASURE #4	447-450
109	MEASR5	WEATHERIZATION MEASURE #5	451-452
110	MCOST5	MATERIALS COST OF MEASURE #5	453-456
111	LCOST5	LABOR COST OF MEASURE #5	457-460
112	MEASR6	WEATHERIZATION MEASURE #6	461-462
113	MCOST6	MATERIALS COST OF MEASURE #6	463-466
114	LCOST6	LABOR COST OF MEASURE #6	467-470
115	MEASR7	WEATHERIZATION MEASURE #7	471-472
116	MCOST7	MATERIALS COST OF MEASURE #7	473-476
117	LCOST7	LABOR COST OF MEASURE #7	477-480
118	MEASR8	WEATHERIZATION MEASURE #8	481-482
119	MCOST8	MATERIALS COST OF MEASURE #8	483-486
120	LCOST8	LABOR COST OF MEASURE #8	487-490
121	MEASR9	WEATHERIZATION MEASURE #9	491-492
122	MCOST9	MATERIALS COST OF MEASURE #9	493-496
123	LCOST9	LABOR COST OF MEASURE #9	497-500
124	MEASR10	WEATHERIZATION MEASURE #10	501-502
125	MCOST10	MATERIALS COST OF MEASURE #10	503-506
126	LCOST10	LABOR COST OF MEASURE #10	507-510
127	MEASR11	WEATHERIZATION MEASURE #11	511-512
128	MCOST11	MATERIALS COST OF MEASURE #11	513-516
129	LCOST11	LABOR COST OF MEASURE #11	517-520
130	MEASR12	WEATHERIZATION MEASURE #12	521-522
131	MCOST12	MATERIALS COST OF MEASURE #12	523-526
132	LCOST12	LABOR COST OF MEASURE #12	527-530
133	MEASR13	WEATHERIZATION MEASURE # 13	531-532
134	MCOST13	MATERIALS COST OF MEASURE # 13	533-536
135	LCOST13	LABOR COST OF MEASURE # 13	537-540
136	MEASR14	WEATHERIZATION MEASURE # 14	541-542
137	MCOST14	MATERIALS COST OF MEASURE # 14	543-546
138	LCOST14	LABOR COST OF MEASURE # 14	547-550
139	MEASR15	WEATHERIZATION MEASURE # 15	551-552
140	MCOST15	MATERIALS COST OF MEASURE # 15	553-556
141	LCOST15	LABOR COST OF MEASURE # 15	557-560
142	MEASR16	WEATHERIZATION MEASURE # 16	561-562
143	MCOST16	MATERIALS COST OF MEASURE # 16	563-566
144	LCOST16	LABOR COST OF MEASURE # 16	567-570
145	MEASR17	WEATHERIZATION MEASURE # 17	571-572
146	MCOST17	MATERIALS COST OF MEASURE # 17	573-576
147	LCOST17	LABOR COST OF MEASURE # 17	577-580

VAR #	NAME	DESCRIPTION	COLUMN
148	MEASR18	WEATHERIZATION MEASURE # 18	581-582
149	MCOST18	MATERIALS COST OF MEASURE # 18	583-586
150	LCOST18	LABOR COST OF MEASURE # 18	587-590
151	MEASR19	WEATHERIZATION MEASURE # 19	591-592
152	MCOST19	MATERIALS COST OF MEASURE # 19	593-596
153	LCOST19	LABOR COST OF MEASURE # 19	597-600
154	MEASR20	WEATHERIZATION MEASURE # 20	601-602
155	MCOST20	MATERIALS COST OF MEASURE # 20	603-606
156	LCOST20	LABOR COST OF MEASURE # 20	607-610

CODING: Code costs of labor and materials as full dollar amounts with no decimals (cents). **Report measures and costs for LIURP pilot programs here as well.** (Optional spaces for coding BFR measures are provided in VAR503-VAR517, Columns 946-995.)

It is not a requirement to include cases where no measures were installed and no services were provided beyond the first visit (pre-audit, audit, etc.). The costs for these cases can be reported in Table One, submitted separately to the BCS. If it is not possible to report these costs separately in Table One, then these cases must be included in the data set.

Please note that Code 7F (Window A/C Unit) is to be used only if there is no prior existing air conditioner.

Code for each house the twenty (20) weatherization measures having the greatest total cost. **It is not necessary to code measures in order, from the most expensive to the least expensive.** The energy audit/survey is considered a measure and should be reported here.

If materials and labor cannot be separated, code a C (right justified) in the materials (MCOST) columns and enter the combined amount in the corresponding labor cost (LCOST) columns.

If less than 20 measures were performed, code 00 (two zeroes) for the measure column (MEASR) following the last labor cost (LCOST) reported, and **leave the remainder of the measures, materials and labor cost variables blank.** Do not code zeros or M's in the columns after the double zero (00) is coded. This is the one exception to the rule for no blank fields.

If more than 20 measures were installed, do not individually list measures 21 etc., but do include their cost in VAR164.

Code according to values listed in APPENDIX B.
M - Missing, N/A

NOTE: If a company is using an approved measure that does not currently have its own code, and the company wishes to report this measure separately, please contact Penn State. Penn State will assign a code for the measure and share this new code with the other companies.

If a company wishes to use a new measure that has not been approved, please submit this information to the PUC for approval. Once approved, Penn State will assign a code and share this new measure with the other companies.

NOTE: A complete list of Measures plus a conversion for numeric coding is included in Appendix B. Individual Measures are also grouped according to category.

VAR #	NAME	DESCRIPTION	COLUMN
164	SUMCOST	TOTAL DIRECT COST OF PROVIDING LIURP SERVICES (Required)	640-643

CODING: Code total direct costs (weatherization measures and conservation education) for this customer, excluding administration, field support, and inspection costs.

Include costs for the measures above in VAR097-VAR156, additional measures not individually listed, and all conservation education costs (VAR163).

Code total direct costs as specified above
M - Missing, N/A

Range check for coding is 0-8000.

503-517		BFR WEATHERIZATION MEASURES (Optional)	1008-1057
503	BMEASR1	WEATHERIZATION MEASURE # 1	1008-1009
504	BMCOST1	MATERIALS COST OF MEASURE # 1	1010-1013
505	BLCOST1	LABOR COST OF MEASURE # 1	1014-1017
506	BMEASR2	WEATHERIZATION MEASURE # 2	1018-1019
507	BMCOST2	MATERIALS COST OF MEASURE # 2	1020-1023
508	BLCOST2	LABOR COST OF MEASURE # 2	1024-1027
509	BMEASR3	WEATHERIZATION MEASURE # 3	1028-1029
510	BMCOST3	MATERIALS COST OF MEASURE #3	1030-1033
511	BLCOST3	LABOR COST OF MEASURE #3	1034-1037
512	BMEASR4	WEATHERIZATION MEASURE #4	1038-1039
513	BMCOST4	MATERIALS COST OF MEASURE #4	1040-1043
514	BLCOST4	LABOR COST OF MEASURE #4	1044-1047
515	BMEASR5	WEATHERIZATION MEASURE #5	1048-1049
516	BMCOST5	MATERIALS COST OF MEASURE #5	1050-1053
517	BLCOST5	LABOR COST OF MEASURE #5	1054-1057

CODING: Code costs of labor and materials for BFR weatherization as full dollar amounts, with no decimals (cents). **Include BFR costs only.** LIURP measures are coded earlier.

Code for each house the five (5) measures having the greatest total cost, from the most to least expensive.

If materials and labor cannot be separated, code a C (right justified) in the materials (MCOST) columns and enter the combined amount in the corresponding labor cost (LCOST) columns.

If less than 5 measures were performed, code 00 (two zeroes) for the measure column (MEASR) following the last labor cost (LCOST) reported, and leave the remainder of the measures, materials and labor cost variables blank.

Code according to **APPENDIX B** attached
M - Missing, N/A

VAR #	NAME	DESCRIPTION	COLUMN
518	TOTBFR	BFR TOTAL DIRECT COSTS VARIABLE (Optional)	1058-1061
		CODING: Code BFR (Boiler Fuel Rider) total direct costs for this customer.	
		Include the sum total for all 5 measures above in VAR503-VAR517, as well as additional measures not individually listed.	
		Code total direct costs as above 9998 - 9998 or higher 9999 - Other (retain notes) M - Missing, N/A	
		Range check for coding is 0-4000.	
519	TOTDCA	DCA TOTAL DIRECT COSTS VARIABLE (Optional)	1062-1065
		CODING: Code DCA (PA Dept. of Community Affairs) total direct cost for this customer.	
		Code total direct costs as specified above 9998 - 9998 or higher 9999 - Other (retain notes) M - Missing, N/A	
		Range check for coding is 0-2000.	
520	TOTOTHR	OTHER WEATHERIZATION TOTAL DIRECT COSTS VARIABLE (Optional)	1066-1069
		CODING: Code total direct costs of weatherization provided from sources other than LIURP, BFR and DCA.	
		Code total direct costs as specified above 9998 - 9998 or higher 9999 - Other (retain notes) M - Missing, N/A	
		Range check for coding is 0-4000.	

**ENERGY CONSERVATION
EDUCATION VARIABLES**

157 - 158 CONSUMER EDUCATION SERVICES DATES (Required) 612-627

157	EDDATEB	DATE EDUCATION SERVICE BEGIN (MMDDYYYY)	612-619
158	EDDATEF	DATE EDUCATION SERVICES FINISH (MMDDYYYY)	620-627

CODING: Education services are considered to include all routinely scheduled education contacts directly related to providing program services.

List routine follow-up education which occurs after the final inspection of work and non-routine follow-ups in response to the customer's personal performance separately under remedial education.

Code dates as MMDDYYYY
M - Missing, N/A

159 EDCON TOTAL OF ALL CONSUMER EDUCATION CONTACTS (Required) 628-629

CODING: Code the total number of all consumer education (CE) contacts whether by phone or in person, in the office or in the home, individual or group setting, for the pre-period and post-period.

Code number of all CE contacts
M - Missing, N/A

Range check for coding is 0-20.

160 HOMECONT NUMBER OF IN-HOME EDUCATION CONTACTS (Required) 630-631

CODING: The total number of in-home contacts reflects all education contacts in the home, for the pre-period and post-period.

Code number of all non-remedial in-home consumer education contacts
M - Missing, N/A

Range check for coding is 0-10.

161 REMVISIT NUMBER OF IN-HOME REMEDIAL EDUCATION CONTACTS (Required) 632-633

CODING: Remedial contacts are those made in response to a customer's failure to reach goals. The total number of remedial in-home contacts reflects all remedial consumer education contacts in the home, for both the pre and post-period (but within the reporting year).

Code number of all remedial in-home consumer education contacts
M - Missing, N/A

Range check for coding is 0-10.

VAR #	NAME	DESCRIPTION	COLUMN
162	REMCONT	<p>NUMBER OF NON-HOME REMEDIAL EDUCATION CONTACTS (Required)</p> <p>CODING: Remedial contacts are those made in response to a customer's failure to reach goals. The total number of non-home remedial contacts reflects all remedial education contacts outside the home, for the pre-period and post-period (but within the reporting year) [e.g. group meetings, workshops, in-office education].</p> <p>Code number of all remedial non-home consumer education contacts M - Missing, N/A</p> <p>Range check for coding is 0-10.</p>	634-635
163	EDCOST	<p>TOTAL COST OF PROVIDING CONSERVATION EDUCATION (Required)</p> <p>CODING: Code the total direct cost of customer education provided to the customer.</p> <p>Code total direct cost in whole dollars, with no decimals M - Missing, N/A</p> <p>Range check for coding is 0-800.</p>	636-639

DEMOGRAPHIC AND SOCIAL
BACKGROUND VARIABLES

NOTE: Data for VAR #165 to VAR #186 are as of the time of the interview with the consumer.

165 NUMRES NUMBER OF RESIDENTS IN THE DWELLING UNDER 18 (Required) 644-645

CODING: Code number of residents in the household who are younger than 18 years of age.

M - Missing, N/A

Range check for coding is 0-20.

NOTE: There are sometimes situations where an empty unit receives weatherization measures (for example, an unoccupied corner unit of an apartment building). Please code zero residents for these situations.

176 AGE NUMBER OF RESIDENTS IN DWELLING OVER 62 (Required) 675-676

CODING: Code the number of residents in the household who are over 62 years of age.

M - Missing, N/A

Range check for coding is 0-6.

180 - 186 AGES OF OTHER RESIDENTS (Optional) 683-696

180	AGE1	0-09 YRS. OLD (less than 10)	683-684
181	AGE2	10-19 YRS. OLD	685-686
182	AGE3	20-29 YRS. OLD	687-688
183	AGE4	30-39 YRS. OLD	689-690
184	AGE5	40-49 YRS. OLD	691-692
185	AGE6	50-59 YRS. OLD	693-694
186	AGE7	60+ YRS. OLD (60 or more)	695-696

CODING: Code the number of residents in each age category.

M - Missing, N/A

Range check 0-15.

168 INCOME ANNUAL HOUSEHOLD INCOME (Required) 650-654

CODING: Code the gross annual household income, to nearest full dollar, no decimals (cents). Multiply weekly income x 52. Multiply monthly income x 12.

Code gross annual source of household income

M - Missing, N/A

Range check for coding is 0-50,000.

VAR #	NAME	DESCRIPTION	COLUMN
169	INCSORCE	PRIMARY SOURCE OF HOUSEHOLD INCOME (Required)	659-660
		CODING: Code primary source of household income as follows:	
		1 - Employment (previously 1, 2, 5, 6)	
		2 - Public Assistance (previously 3)	
		3 - Pension/Retirement (previously 4)	
		4 - Unemployment Compensation (previously 9)	
		5 - Disability (previously 12)	
		6 - Other (previously 7, 8, 10, 11, 99)	
		M - Missing	
170	OTHRINC	OTHER HOUSEHOLD INCOME SOURCE #1 (Optional)	661-662
		CODING: Code the second largest source of household income as follows:	
		1 - Employment (previously 1, 2, 5, 6)	
		2 - Public Assistance (previously 3)	
		3 - Pension/Retirement (previously 4)	
		4 - Unemployment Compensation (previously 9)	
		5 - Disability (previously 12)	
		6 - Other (previously 7, 8, 10, 11, 99)	
		M - Missing	
171	MOREINC	OTHER INCOME SOURCE #2 (Optional)	663-664
		CODING: Code the third largest source of income as follows:	
		1 - Employment (previously 1, 2, 5, 6)	
		2 - Public Assistance (previously 3)	
		3 - Pension/Retirement (previously 4)	
		4 - Unemployment Compensation (previously 9)	
		5 - Disability (previously 12)	
		6 - Other (previously 7, 8, 10, 11, 99)	
		M - Missing	

VAR #	NAME	DESCRIPTION	COLUMN
172	OCCHEAD	OCCUPATION OF HEAD OF HOUSEHOLD (Optional)	665-666
		CODING: Code occupation as follows (see also Appendix C for detailed list of subcategories):	
		01 - Executive/Administrator/Managerial Occupations 02 - Professional/Specialty Occupations 03 - Technician and Related Support Occupations 04 - Sales Occupations 05 - Administrative Support Occupations, Including Clerical 06 - Private Household Occupations 07 - Protective Service Occupations 08 - Service Occupations, except Protective and Household 09 - Agriculture/Farming/Forestry/Fishing Occupations 10 - Precision Production/Craft/Repair Occupations 11 - Machine Operators/Assemblers/Inspectors 12 - Transportation and Material Moving Equipment Operators 13 - Handlers/Equipment Cleaners/Helpers/Laborers 14 - Homemaker 15 - Student 16 - Retired 17 - Unemployed 18 - Disabled 19 - Self 99 - Other (retain notes) M – Missing	
		NOTE: Refer to Appendix C for elaboration of categories 01-13.	
173	EMPLOY	EMPLOYMENT STATUS OF HEAD OF HOUSEHOLD (Required)	667-668
		CODING: Code employment status as follows:	
		01 - Full-Time Employment (35 or more hours/week) 02 - Part-Time Employment (34 or fewer hours/week) 03 - Unemployed Worker (not now employed) 04 - Retired 05 - Homemaker 06 - Student 99 - Other (retain notes) M - Missing	
177	SEX	SEX OF HEAD OF HOUSEHOLD (Optional)	677-678
		CODING: Code gender of head of household as follows:	
		01 - Male 02 - Female M - Missing, N/A	

VAR #	NAME	DESCRIPTION	COLUMN
178	RACE	RACE OF HEAD OF HOUSEHOLD (Optional)	679-680

CODING: Code race of head of household as follows:

- 01 - White
- 02 - African American
- 03 - Hispanic
- 04 - Asian
- 99 - Other (retain notes)
- M - Missing, N/A

179	EDUCATE	EDUCATION OF HEAD OF HOUSEHOLD (Optional)	681-682
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CODING: Indicate highest level of education attained by head of household.

- 01 - No formal education
- 02 - Some grade school
- 03 - Completed grade school
- 04 - Some high school (no degree or GED)
- 05 - Completed high school or GED
- 06 - Some college or technical school (no degree)
- 07 - Completed college (B.A. or B.S.)
- 08 - Some graduate work (no degree)
- 09 - A graduate degree (Master's, Doctorate)
- 10 - Technical school, associate degree, with certificate or diploma.
- 99 - Other (retain notes)
- M - Missing

HOUSING CHARACTERISTICS AND DWELLING VARIABLES

166 NUMROOM NUMBER OF ROOMS IN THE DWELLING (Optional) 646-647

CODING: Code number of rooms excluding unheated areas.

Code number of rooms in heated areas
M - Missing, N/A

Range check for coding is 1-15.

167 HOUSETP TYPE OF DWELLING (Required) 648-649

CODING: Specify type of dwelling as listed below.

- 1 - 1 ½ , 2 or more story single family
- 2 - Ranch, single level
- 3 - Bi-level or split level
- 4 - Mobile home (half or more heated living space is the mobile home)
- 5 - Row house, inside of row
- 6 - Row house, end of row
- 7 - Duplex or condominium with two units
- 8 - Multi-family, including condo, with three or more units
- 9 - Other
- 10- Manufactured, modular housing
- 99- Other (retain notes)
- M - Missing

NOTE: Additional information on the type of house is to be reported in a supplemental data file. See separate document "Supplemental Data Coding Instructions."

174 OWNRENT DOES CUSTOMER RENT OR OWN DWELLING (Required) 669-670

CODING: Code as follows:

- 1 - Own (previously 1, 3)
- 2 - Rent (previously 2)
- M - Missing

175 PAYHOME AMOUNT OF MONTHLY RENT, LEASE OR MORTGAGE (Optional) 671-674

CODING: Code monthly amount of mortgage or rent, to nearest full dollar, no decimals (cents).

Note: If yearly amount is paid, divide by 12 to calculate monthly-equivalent and report that amount here.

Code amount of mortgage or rent in whole dollars
M - Missing, N/A

Range check for coding is 0-2000.

VAR #	NAME	DESCRIPTION	COLUMN
191	AIRB	PRESENCE AND TYPE OF AIR CONDITIONING, PRE-PERIOD <i>(Optional)</i>	708-709
		CODING: Code the presence of air conditioning as follows: 01 - Central air conditioning (AC) 02 - Window air conditioning unit(s) 03 - None 99 - Other (retain notes) M - Missing	
192	AIRAMTB	NUMBER OF ROOMS ROUTINELY AIR CONDITIONED, PRE-PERIOD <i>(Optional)</i>	710
		CODING: List the actual number of rooms air conditioned. Code number of rooms air conditioned, from 0 to 8, with 9 for 9 rooms or more 0 - No air conditioning 1-8 - code directly 9 - Nine rooms or more. M - Missing	
199	HOUSEAGE	YEAR MAJOR PORTION OF HOUSE WAS CONSTRUCTED <i>(Required)</i>	729 - 732
		CODING: List the year in which the major portion (50% or more) of the house was constructed. Code actual year in four digits. e.g. 1889, 1920, 1969. 9999 - Other (retain notes) M - Missing, N/A	
200	SPACE	APPROXIMATE SQUARE FEET OF HEATED SPACE <i>(Required)</i>	733-736
		CODING: List whole number of square feet of heated space for the dwelling, no decimals. Code up to four digits in square feet. e.g. 2200, 0950 9998 - 9998 or higher 9999 - Other (retain notes) M - Missing, N/A Range check for coding is 100-5000 NOTE: If there are circumstances where the amount of heated space is zero, please report this information when submitting the data set. NOTE: If an electric utility does a water heating job and heat is provided by a gas utility, please code SPACE as missing (March 1995 decision).	

VAR #	NAME	DESCRIPTION	COLUMN
201	FIREP	PRESENCE OF OPEN FIREPLACE (Optional) CODING: List number of unblocked, open fireplaces. Code number of open fire places 8 - Eight or more 9 - Other (retain notes) M - Missing, N/A Range checks for coding is 0-9.	737
432	AIRF	PRESENCE AND TYPE OF AIR CONDITIONING, POST-PERIOD (Optional) CODING: Code the presence of air conditioning as follows: 01 - Central air conditioning (AC) 02 - Window air conditioning unit(s) 03 - None 99 - Other (retain notes) M - Missing, N/A	986-987
433	AIRAMTF	NUMBER OF ROOMS ROUTINELY AIR CONDITIONED, POST-PERIOD (Optional) CODING: List actual number or rooms with air conditioning, from 0 to 8, with 9 for 9 rooms or more. Code number of rooms air conditioned 0 - No air conditioning 1-8 - code directly 9 - Nine rooms or more. M - Missing, N/A	988

VAR # NAME

DESCRIPTION

COLUMN

<p>SUPPLEMENTAL HEAT VARIABLES</p>
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187 SUPHEATB PRIMARY SOURCE OF SUPPLEMENTAL HEAT IN THE PRE-PERIOD (Required) 697-698

CODING: Code primary source of supplemental heat as follows:

- 00 - None/No supplemental heat
- 01 - Fuel oil/kerosene
- 02 - Utility gas
- 03 - Bottled gas/propane
- 04 - Electricity
- 05 - Coal
- 06 - City steam
- 07 - Wood
- 08 - Solar
- 09 - Pellet stove**
- 10 - Electric space heater**
- 99 - Other (retain notes)
- M - Missing, N/A

188 SUPAMTB ESTIMATED CONTRIBUTION OF SUPPLEMENTAL HEAT, PRE-PERIOD (Optional) 699-701

CODING: Code the estimated contribution of supplemental heat as follows:

- 001 - All of heating from supplemental source
- 002 - Most heating (at least half of needs) from supplemental source
- 003 - Less than half of heating from supplemental source
- 004 - Supplemental heat rarely used
- 005 - Supplemental heat is present but is not used
- 006 - Supplemental heat not present
- 999 - Other (retain notes)
- M - Missing, N/A

189 SUMAMTB AMOUNT OF FUEL USED FOR SUPPLEMENTAL HEAT, PRE-PERIOD (Optional) 702-705

CODING: Code the number of units of supplemental fuel used.

- Code actual amount used or estimated.
- 0000 - No supplemental heat present
- 9999 - Other (retain notes)
- M - Missing, N/A

VAR #	NAME	DESCRIPTION	COLUMN
190	SUPUNITB	UNITS OF SUPPLEMENTAL FUEL, PRE-PERIOD <i>(Optional)</i>	706
		CODING: Code unit of supplemental fuel used as follows:	
		0 - None/No supplemental heat	
		1 - Gallons	
		2 - MCF	
		3 - Bottles	
		4 - KWH	
		5 - Tons	
		6 - Cubic yards	
		7 - Cords	
		9 - Other (retain notes)	
		M - Missing, N/A	
430	SUPHEATF	PRIMARY SOURCE OF SUPPLEMENTAL HEAT, POST-PERIOD <i>(Required)</i>	982-983
		CODING: Code primary source of supplemental heat as follows:	
		00 - None/No supplemental heat	
		01 - Fuel oil/kerosene	
		02 - Utility gas	
		03 - Bottled gas/propane	
		04 - Electricity	
		05 - Coal	
		06 - City steam	
		07 - Wood	
		08 - Solar	
		09 - Pellet stove	
		10 - Electric space heater	
		99 - Other (retain notes)	
		M - Missing, N/A	
431	SUPAMTF	ESTIMATED CONTRIBUTION OF SUPPLEMENTAL HEAT, POST-PERIOD <i>(Optional)</i>	984-985
		CODING: Code the estimate of the contribution of supplemental heat as follows:	
		01 - All of heating from supplemental source	
		02 - Most heating (at least half of needs) from supplemental source	
		03 - Less than half of heating from supplemental source	
		04 - Supplemental heat rarely used	
		05 - Supplemental heat is present but is not used	
		06 - Supplemental heat not present	
		99 - Other (retain notes)	
		M - Missing, N/A	

VAR #	NAME	DESCRIPTION	COLUMN
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501	SUMAMTF	AMOUNT OF FUEL USED FOR SUPPLEMENTAL HEAT, POST-PERIOD 1003-1006 (Optional)	
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CODING: Code the number of units of supplemental fuel used, if known.

Code actual number of units used or estimated
 0000 - No supplemental heat present
 9998 - 9998 or higher
 9999 - Other (retain notes)
 M - Missing/ N/A

502	SUPUNITF	UNITS OF SUPPLEMENTAL FUEL, POST-PERIOD (Optional)	1007
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CODING: Code units of supplemental fuel as follows:

0 - None/No supplemental heat
 1 - Gallons
 2 - MCF
 3 - Bottles
 4 - KWH
 5 - Tons
 6 - Cubic yards
 7 - Cords
 9 - Other (retain notes)
 M - Missing, N/A

INTENTIONALLY BLANK COLUMNS

BLANK COLUMN	118
BLANK COLUMN	131
BLANK COLUMN	192
BLANK COLUMN	265
BLANK COLUMN	278
BLANK COLUMN	339
BLANK COLUMN	352
BLANK COLUMN	611
BLANK COLUMNS	655-658
BLANK COLUMN	707
BLANK COLUMN	739
BLANK COLUMNS	749-760
BLANK COLUMNS	991-1002
BLANK COLUMNS	1070-1071

**APPENDIX A
MINOR CIVIL DIVISION LIST
(VAR006)**

ADAMS

005 ABBOTTSTOWN BOR
010 ARENDTSTOWN BOR
015 BENDERSVILLE BOR
020 BERWICK TWP
025 BIGLERVILLE BOR
027 BONNEAUVILLE BOR
030 BUTLER TWP
033 CARROLL VALLEY BOR
035 CONEWAGO TWP
040 CUMBERLAND TWP
045 EAST BERLIN BOR
050 FAIRFIELD BOR
055 FRANKLIN TWP
060 FREEDOM TWP
065 GERMANY TWP
070 GETTYSBURG BOR
077 HAMILTON TWP
080 HAMILTONBAN TWP
085 HIGHLAND TWP
090 HUNTINGTON TWP
095 LATIMORE TWP
100 LIBERTY TWP
105 LITTLESTOWN BOR
110 MCSHERRYSTOWN BOR
115 MENALLEN TWP
120 MOUNT JOY TWP
125 MOUNT PLEASANT TWP
130 NEW OXFORD BOR
135 OXFORD TWP
140 READING TWP
145 STRABAN TWP
150 TYRONE TWP
155 UNION TWP
160 YORK SPRINGS BOR

ALLEGHENY

005 ALEPPO TWP
010 ASPINWALL BOR
015 AVALON BOR
020 BALDWIN BOR
025 BALDWIN TWP
028 BELL ACRES BOR
030 BELLEVUE BOR
035 BEN AVON BOR
040 BEN AVON HEIGHTS BOR
045 BETHEL PARK BOR
050 BLAWNOX BOR
055 BRACKENRIDGE BOR
060 BRADDOCK BOR
065 BRADDOCK HILLS BOR
070 BRADFORD WOODS BOR
075 BRENTWOOD BOR
080 BRIDGEVILLE BOR
085 CARNEGIE BOR
090 CASTLE SHANNON BOR
095 CHALFANT BOR
100 CHESWICK BOR
105 CHURCHILL BOR
110 CLAIRTON CIT
115 COLLIER TWP
120 CORAOPOLIS BOR
125 CRAFTON BOR
130 CRESCENT TWP
135 DORMONT BOR
40 DRAVOSBURG BOR
145 DUQUESNE CIT
150 EAST DEER TWP
155 EAST MCKEESPORT BOR
160 EAST PITTSBURGH BOR
165 EDGEWOOD BOR
170 EDGEWORTH BOR

175 ELIZABETH BOR
180 ELIZABETH TWP
185 EMSWORTH BOR
190 ETNA BOR
195 FAWN TWP
200 FINDLAY TWP
205 FOREST HILLS BOR
210 FORWARD TWP
215 FOX CHAPEL BOR
223 FRANKLIN ARK BOR
225 FRAZER TWP
230 GLASSPORT BOR
235 GLENFIELD BOR
240 GREEN TREE BOR
245 HAMPTON TWP
250 HARMAR TWP
255 HARRISON TWP
260 HAYSVILLE BOR
265 HEIDELBERG BOR
270 HOMESTEAD BOR
275 INDIANA TWP
280 INGRAM BOR
285 JEFFERSON BOR
290 KENNEDY TWP
295 KILBUCK TWP
302 LEET TWP
305 LEETSDALE BOR
310 LIBERTY BOR
315 LINCOLN BOR
320 MCCANDLESS TWP
325 MCDONALD BOR
330 MCKEESPORT CIT
335 MCKEES ROCKS BOR
340 MARSHALL TWP
345 MILLVALE BOR
350 MONROEVILLE BOR
355 MOON TWP
360 MOUNT LEBANON TWP
365 MOUNT OLIVER BOR
370 MUNHALL BOR
375 NEVILLE TWP
380 NORTH BRADDOCK BOR
385 NORTH FAYETTE TWP
390 NORTH VERSAILLES TWP
395 OAKDALE BOR
400 OAKMONT BOR
405 O'HARA TWP
410 OHIO TWP
415 OSBORNE BOR
420 PENN HILLS TWP
422 PENNSBURY VILLAGE BOR
425 PINE TWP
430 PITCAIRN BOR
435 PITTSBURGH CIT
440 PLEASANT HILLS BOR
445 PLUM BOR
450 PORT VUE BOR
455 RANKIN BOR
460 RESERVE TWP
465 RICHLAND TWP
470 ROBINSON TWP
475 ROSS TWP
480 ROSSLYN FARMS BOR
485 SCOTT TWP
490 SEWICKLEY BOR
500 SEWICKLEY HEIGHTS BOR
505 SEWICKLEY HILLS BOR
510 SHALER TWP
515 SHARPSBURG BOR
525 SOUTH FAYETTE TWP
528 SOUTH PARK TWP
530 SOUTH VERSAILLES TWP
535 SPRINGDALE BOR

540 SPRINGDALE TWP
545 STOWE TWP
550 SWISSVALE BOR
555 TARENTUM BOR
560 THORNBURG BOR
565 TRAFFORD BOR
570 TURTLE CREEK BOR
575 UPPER ST CLAIR TWP
580 VERONA BOR
585 VERSAILLES BOR
590 WALL BOR
595 WEST DEER TWP
600 WEST ELIZABETH BOR
605 WEST HOMESTEAD BOR
610 WEST MIFFLIN BOR
615 WEST VIEW BOR
620 WHITAKER BOR
625 WHITEHALL BOR
630 WHITE OAK BOR
635 WILKINS TWP
640 WILKINSBURG BOR
645 WILMERDING BOR

ARMSTRONG

005 APOLLO BOR
010 APPLEWOLD BOR
015 ATWOOD BOR
020 BETHEL TWP
025 BOGGS TWP
030 BRADYS BEND TWP
035 BURRELL TWP
040 CADOGAN TWP
045 COWANSHANNOCK TWP
050 DAYTON BOR
055 EAST FRANKLIN TWP
060 ELBERTON BOR
065 FORD CITY BOR
070 FORD CLIFF BOR
075 FREEPORT BOR
080 GILPIN TWP
085 HOVEY TWP
090 KISKIMINETAS TWP
095 KITTANNING BOR
100 KITTANNING TWP
105 LEECHBURG BOR
110 MADISON TWP
115 MAHONING TWP
120 MANOR TWP
125 MANORVILLE BOR
130 NORTH APOLLO BOR
135 NORTH BUFFALO TWP
140 PARKER CIT
145 PARKS TWP
150 PERRY TWP
155 PINE TWP
160 PLUMCREEK TWP
165 RAYBURN TWP
170 REDBANK TWP
175 RURAL VALLEY BOR
180 SOUTH BEND TWP
185 SOUTH BETHELEHEM BOR
190 SOUTH BUFFALO TWP
195 SUGARCREEK TWP
200 VALLEY TWP
205 WASHINGTON TWP
210 WAYNE TWP
215 WEST FRANKLIN TWP
220 WEST KITTANNING BOR
225 WORTHINGTON BOR

BEAVER

005	ALIQUIPPA	BOR
010	AMBRIDGE	BOR
015	BADEN	BOR
020	BEAVER	BOR
025	BEAVER FALLS	CIT
030	BIG BEAVER	BOR
040	BRIDGEWATER	BOR
045	BRIGHTON	TWP
050	CENTER	TWP
055	CHIPPEWA	TWP
060	CONWAY	BOR
065	DARLINGTON	BOR
070	DARLINGTON	TWP
075	DAUGHERTY	TWP
080	EAST ROCHESTER	BOR
085	EASTVALE	BOR
090	ECONOMY	BOR
095	ELLWOOD CITY	BOR
100	FALLSTON	BOR
105	FRANKFORT SPRINGS	BOR
110	FRANKLIN	TWP
115	FREEDOM	BOR
120	GEORGETOWN	BOR
125	GLASGOW	BOR
130	GREENE	TWP
135	HANOVER	TWP
140	HARMONY	TWP
145	HOMEWOOD	BOR
150	HOOKSTOWN	BOR
155	HOPEWELL	TWP
160	INDEPENDENCE	TWP
165	INDUSTRY	BOR
170	KOPPEL	BOR
175	MARION	TWP
180	MIDLAND	BOR
185	MONACA	BOR
190	NEW BRIGHTON	BOR
195	NEW GALILEE	BOR
200	NEW SEWICKLEY	TWP
205	NORTH SEWICKLEY	TWP
212	OHIOVILLE	BOR
215	PATTERSON	TWP
218	PATTERSON HEIGHTS	BOR
225	POTTER	TWP
230	PULASKI	TWP
235	RACCOON	TWP
240	ROCHESTER	BOR
245	ROCHESTER	TWP
250	SHIPPINGPORT	BOR
255	SOUTH BEAVER	TWP
260	SOUTH HEIGHTS	BOR
262	VANPORT	TWP
265	WEST MAYFIELD	BOR
270	WHITE	TWP

BEDFORD

005	BEDFORD	BOR
010	BEDFORD	TWP
015	BLOOMFIELD	TWP
020	BROAD TOP	TWP
025	COALDALE	BOR
030	COLERAIN	TWP
035	CUMBERLAND VALLEY	TWP
040	EAST PROVIDENCE	TWP
045	EAST ST CLAIR	TWP
050	EVERETT	BOR
055	HARRISON	TWP
060	HOPEWELL	BOR
065	HOPEWELL	TWP
080	KIMMELL	TWP
085	KING	TWP
090	LIBERTY	TWP
095	LINCOLN	TWP
100	LONDONDERRY	TWP
107	MANN	TWP

110	MANN'S CHOICE	BOR
115	MONROE	TWP
120	NAPIER	TWP
125	NEW PARIS	BOR
130	PLEASANTVILLE	BOR
135	RAINSBURG	BOR
140	ST CLAIRSVILLE	BOR
145	SAXTON	BOR
150	SHELLSBURG	BOR
155	SNAKE SPRING VALLEY	TWP
160	SOUTHAMPTON	TWP
165	SOUTH WOODBURY	TWP
170	UNION	TWP
175	WEST PROVIDENCE	TWP
180	WEST ST CLAIR	TWP
185	WOODBURY	BOR
190	WOODBURY	TWP

BERKS

005	ADAMSTOWN	BOR
010	ALBANY	TWP
015	ALSACE	TWP
020	AMITY	TWP
025	BALLY	BOR
030	BECHTELSVILLE	BOR
035	BERN	TWP
040	BERNVILLE	BOR
045	BETHEL	TWP
050	BIRDSBORO	BOR
055	BOYERTOWN	BOR
060	BRECKNOCK	TWP
065	CAERNARVON	TWP
070	CENTERPORT	BOR
075	CENTRE	TWP
080	COLEBROOKDALE	TWP
085	CUMRU	TWP
090	DISTRICT	TWP
095	DOUGLASS	TWP
100	EARL	TWP
105	EXETER	TWP
110	FLEETWOOD	BOR
115	GREENWICH	TWP
120	HAMBURG	BOR
125	HEIDELBERG	TWP
130	HEREFORD	TWP
135	JEFFERSON	TWP
140	KENHORST	BOR
145	KUTZTOWN	BOR
150	LAURELDALE	BOR
155	LEESPORT	BOR
160	LENHARTSVILLE	BOR
165	LONGSWAMP	TWP
170	LOWER ALSACE	TWP
175	LOWER HEIDELBERG	TWP
180	LYONS	BOR
185	MAIDENCREEK	TWP
190	MARION	TWP
195	MAXATAWNY	TWP
200	MOHNTON	BOR
205	MOUNT PENN	BOR
210	MUHLENBERG	TWP
215	NORTH HEIDELBERG	TWP
220	OLEY	TWP
225	ONTELAUNEE	TWP
230	PENN	TWP
235	PERRY	TWP
240	PIKE	TWP
245	READING	CIT
250	RICHMOND	TWP
257	ROBESON	TWP
260	ROBESONIA	BOR
265	ROCKLAND	TWP
270	RUSCOMBMANOR	TWP
275	ST LAWRENCE	BOR
280	SHILLINGTON	BOR
285	SHOEMAKERSVILLE	BOR

290	SINKING SPRING	BOR
295	SOUTH HEIDELBERG	TWP
300	SPRING	TWP
305	STRAUSSTOWN	BOR
310	TEMPLE	BOR
315	TILDEN	TWP
320	TOPTON	BOR
325	TULPEHOCKEN	TWP
330	UNION	TWP
335	UPPER BERN	TWP
340	UPPER TULPEHOCKEN	TWP
345	WASHINGTON	TWP
350	WERNERSVILLE	BOR
355	WEST LAWN	BOR
360	WEST READING	BOR
365	WINDSOR	TWP
370	WOMELSDORF	BOR
375	WYOMISSING	BOR
380	WYOMISSING HILLS	BOR

BLAIR

005	ALLEGHENY	TWP
010	ALTOONA	CIT
015	ANTIS	TWP
020	BELLWOOD	BOR
025	BLAIR	TWP
030	CATHARINE	TWP
035	DUNCANVILLE	BOR
040	FRANKSTOWN	TWP
045	FREEDOM	TWP
050	GREENFIELD	TWP
055	HOLLIDAYSBURG	BOR
060	HUSTON	TWP
065	JUNIATA	TWP
070	LOGAN	TWP
075	MARTINSBURG	BOR
080	NEWRY	BOR
085	NORTH WOODBURY	TWP
090	ROARING SPRING	BOR
095	SNYDER	TWP
100	TAYLOR	TWP
103	TUNNELHILL	BOR
105	TYRONE	BOR
110	TYRONE	TWP
115	WILLIAMSBURG	BOR
120	WOODBURY	TWP

BRADFORD

005	ALBA	BOR
010	ALBANY	TWP
015	ARMENIA	TWP
020	ASYLUM	TWP
025	ATHENS	BOR
030	ATHENS	TWP
040	BURLINGTON	BOR
045	BURLINGTON	TWP
050	CANTON	BOR
055	CANTON	TWP
060	COLUMBIA	TWP
065	FRANKLIN	TWP
070	GRANVILLE	TWP
075	HERRICK	TWP
080	LE RAYSVILLE	BOR
085	LEROY	TWP
090	LITCHFIELD	TWP
095	MONROE	BOR
100	MONROE	TWP
105	NEW ALBANY	BOR
110	NORTH TOWANDA	TWP
115	ORWELL	TWP
120	OVERTON	TWP

CONT. NEXT PAGE

125 PIKE TWP
 130 RIDGEBURY TWP
 135 ROME BOR
 140 ROME TWP
 145 SAYRE BOR
 150 SHESHEQUIN TWP
 155 SMITHFIELD TWP
 160 SOUTH CREEK TWP
 165 SOUTH WAVERLY BOR
 170 SPRINGFIELD TWP
 175 STANDING STONE TWP
 180 STEVENS TWP
 185 SYLVANIA BOR
 190 TERRY TWP
 195 TOWANDA BOR
 200 TOWANDA TWP
 205 TROY BOR
 210 TROY TWP
 215 TUSCARORA TWP
 220 ULSTER TWP
 225 WARREN TWP
 230 WELLS TWP
 235 WEST BURLINGTON TWP
 240 WILMOT TWP
 245 WINDHAM TWP
 250 WYALUSING BOR
 255 WYALUSING TWP
 260 WYSOX TWP

BUCKS

005 BEDMINSTER TWP
 010 BENSALEM TWP
 015 BRIDGETON TWP
 020 BRISTOL BOR
 025 BRISTOL TWP
 030 BUCKINGHAM TWP
 035 CHALFONT BOR
 040 DOYLESTOWN BOR
 045 DOYLESTOWN TWP
 050 DUBLIN BOR
 055 DURHAM TWP
 060 EAST ROCKHILL TWP
 065 FALLS TWP
 070 HAYCOCK TWP
 075 HILLTOWN TWP
 080 HULMEVILLE BOR
 085 IVYLAND BOR
 090 LANGHORNE BOR
 095 LANGHORNE MANOR BOR
 100 LOWER MAKEFIELD TWP
 105 LOWER SOUTHAMPTON TWP
 110 MIDDLETOWN TWP
 115 MILFORD TWP
 120 MORRISVILLE BOR
 125 NEW BRITAIN BOR
 130 NEW BRITAIN TWP
 135 NEW HOPE BOR
 140 NEWTOWN BOR
 145 NEWTOWN TWP
 150 NOCKAMIXON TWP
 155 NORTHAMPTON TWP
 160 PENNDEL BOR
 165 PERKASIE BOR
 170 PLUMSTEAD TWP
 175 QUAKERTOWN BOR
 182 RICHLAND TWP
 185 RICHLANDTOWN BOR
 190 RIEGELSVILLE BOR
 195 SELLERSVILLE BOR
 200 SILVERDALE BOR
 205 SOLEBURY TWP
 210 SPRINGFIELD TWP
 215 TELFORD BOR
 220 TINICUM TWP
 225 TRUMB АуЕРSVILLE BOR
 230 TULLYTOWN BOR
 235 UPPER MAKEFIELD TWP
 240 UPPER SOUTHAMPTON TWP

245 WARMINSTER TWP
 250 WARRINGTON TWP
 255 WARWICK TWP
 260 WEST ROCKHILL TWP
 265 WRIGHTSTOWN TWP
 270 YARDLEY BOR

BUTLER

005 ADAMS TWP
 010 ALLEGHENY TWP
 015 BRADY TWP
 020 BRUIN BOR
 025 BUFFALO TWP
 030 BUTLER CIT
 035 BUTLER TWP
 040 CALLERY BOR
 045 CENTER TWP
 050 CHERRY TWP
 055 CHERRY VALLEY BOR
 060 CHICORA BOR
 065 CLAY TWP
 070 CLEARFIELD TWP
 075 CLINTON TWP
 080 CONCORD TWP
 085 CONNOQUENESSING BOR
 090 CONNOQUENESSING TWP
 095 CRANBERRY TWP
 100 DONEGAL TWP
 105 EAST BUTLER BOR
 110 EAU CLAIRE BOR
 115 EVANS CITY BOR
 120 FAIRVIEW BOR
 125 FAIRVIEW TWP
 130 FORWARD TWP
 135 FRANKLIN TWP
 140 HARMONY BOR
 145 HARRISVILLE BOR
 150 JACKSON TWP
 155 JEFFERSON TWP
 160 KARNs CITY BOR
 165 LANCASTER TWP
 170 MARION TWP
 175 MARS BOR
 180 MERCER TWP
 185 MIDDLESEX TWP
 190 MUDDYCREEK TWP
 195 OAKLAND TWP
 200 PARKER TWP
 205 PENN TWP
 210 PETROLIA BOR
 215 PORTERSVILLE BOR
 220 PROSPECT BOR
 225 SAXONBURG BOR
 228 SEVEN FIELDS BOR
 230 SLIPPERY ROCK BOR
 235 SLIPPERY ROCK TWP
 240 SUMMIT TWP
 245 VALENCIA BOR
 250 VENANGO TWP
 255 WASHINGTON TWP
 260 WEST LIBERTY BOR
 265 WEST SUNBURY BOR
 270 WINFIELD TWP
 275 WORTH TWP
 280 ZELIENOPLЕ BOR

CAMBRIA

005 ADAMS TWP
 010 ALLEGHENY TWP
 015 ASHVILLE BOR
 020 BARNESBORO BOR
 025 BARR TWP
 030 BLACKLICK TWP
 035 BROWNSTOWN BOR
 040 CAMBRIA TWP
 045 CARROLLTOWN BOR
 050 CASSANDRA BOR

057 CHEST TWP
 060 CHEST SPRINGS BOR
 065 CLEARFIELD TWP
 070 CONEMAUGH TWP
 075 CRESSON BOR
 080 CRESSON TWP
 085 CROYLE TWP
 090 DAISYTOWN BOR
 095 DALE BOR
 100 DEAN TWP
 105 EAST CARROLL TWP
 110 EAST CONEMAUGH BOR
 115 EAST TAYLOR TWP
 120 EBENSBURG BOR
 125 EHRENFELD BOR
 130 ELDER TWP
 135 FERNDALЕ BOR
 140 FRANKLIN BOR
 145 GALLITZIN BOR
 150 GALLITZIN TWP
 155 GEISTOWN BOR
 160 HASTINGS BOR
 165 JACKSON TWP
 170 JOHNSTOWN CIT
 175 LILLY BOR
 180 LORAIN BOR
 185 LORETTO BOR
 190 LOWER YODER TWP
 195 MIDDLE TAYLOR TWP
 200 MUNSTER TWP
 205 NANTY GLO BOR
 210 PATTON BOR
 215 PORTAGE BOR
 220 PORTAGE TWP
 225 READE TWP
 230 RICHLAND TWP
 235 SANKERTOWN BOR
 240 SCALP LEVEL BOR
 245 SOUTH FORK BOR
 250 SOUTHMONT BOR
 255 SPANGLER BOR
 260 STONYCREEK TWP
 265 SUMMERHILL BOR
 270 SUMMERHILL TWP
 275 SUSQUEHANNA TWP
 280 TUNNELHILL BOR
 285 UPPER YODER TWP
 290 VINTONDALE BOR
 295 WASHINGTON TWP
 300 WEST CARROLL TWP
 305 WESTMONT BOR
 310 WEST TAYLOR TWP
 315 WHITE TWP
 320 WILMORE BOR

CAMERON

005 DRIFTWOOD BOR
 010 EMPORIUM BOR
 015 GIBSON TWP
 020 GROVE TWP
 025 LUMBER TWP
 030 PORTAGE TWP
 035 SHIPPEN TWP

CARBON

005	BANKS	TWP
010	BEAVER MEADOWS	BOR
015	BOWMANSTOWN	BOR
020	EAST PENN.	TWP
025	EAST SIDE	BOR
030	FRANKLIN	TWP
035	JIM THORPE	BOR
040	KIDDER	TWP
045	LANSFORD	BOR
050	LAUSANNE	TWP
057	LEHIGH	TWP
060	LEHIGHTON	BOR
065	LOWER TOWAMENSING	TWP
070	MAHONING	TWP
077	NESQUEHONING	BOR
080	PACKER	TWP
085	PALMERTON	BOR
090	PARRYVILLE	BOR
095	PENN FOREST	TWP
100	SUMMIT HILL	BOR
105	TOWAMENSING	TWP
110	WEATHERLY	BOR
115	WEISSPORT	BOR

CENTRE

005	BELLEFONTE	BOR
010	BENNER	TWP
015	BOGGS	TWP
020	BURNSIDE	TWP
025	CENTRE HALL	BOR
030	COLLEGE	TWP
035	CURTAIN	TWP
040	FERGUSON	TWP
045	GREGG	TWP
050	HAINES	TWP
055	HALFMOON	TWP
060	HARRIS	TWP
065	HOWARD	BOR
070	HOWARD	TWP
075	HUSTON	TWP
080	LIBERTY	TWP
085	MARION	TWP
092	MILES	TWP
095	MILESBURG	BOR
100	MILLHEIM	BOR
105	PATTON	TWP
110	PENN	TWP
115	PHILIPSBURG	BOR
120	PORT MATILDA	BOR
125	POTTER	TWP
130	RUSH	TWP
135	SNOW SHOE	BOR
140	SNOW SHOE	TWP
145	SOUTH PHILIPSBURG	BOR
150	SPRING	TWP
155	STATE COLLEGE	BOR
160	TAYLOR	TWP
165	UNION	TWP
170	UNIONVILLE	BOR
175	WALKER	TWP
180	WORTH	TWP

CHESTER

005	ATGLEN	BOR
010	AVONDALE	BOR
015	BIRMINGHAM	TWP
020	CALN	TWP
025	CHARLESTOWN	TWP
030	COATESVILLE	CIT
035	DOWNINGTOWN	BOR
040	EAST BRADFORD	TWP
045	EAST BRANDYWINE	TWP
050	EAST CALN	TWP
055	EAST COVENTRY	TWP
060	EAST FALLOWFIELD	TWP
065	EAST GOSHEN	TWP

070	EAST MARLBOROUGH	TWP
075	EAST NANTMEAL	TWP
080	EAST NOTTINGHAM	TWP
085	EAST PIKELAND	TWP
090	EASTTOWN	TWP
095	EAST VINCENT	TWP
100	EAST WHITELAND	TWP
105	ELK	TWP
110	ELVERSON	BOR
115	FRANKLIN	TWP
120	HIGHLAND	TWP
125	HONEY BROOK	BOR
130	HONEY BROOK	TWP
137	KENNETT	TWP
140	KENNETT SQUARE	BOR
145	LONDON BRITAIN	TWP
150	LONDONDERRY	TWP
155	LONDON GROVE	TWP
160	LOWER OXFORD	TWP
165	MALVERN	BOR
170	MODENA	BOR
175	NEW GARDEN	TWP
180	NEWLIN	TWP
185	NEW LONDON	TWP
190	NORTH COVENTRY	TWP
195	OXFORD	BOR
200	PARKESBURG	BOR
207	PENN	TWP
210	PENNSBURY	TWP
215	PHOENIXVILLE	BOR
220	POCOPSON	TWP
225	SADSBURY	TWP
230	SCHUYLKILL	TWP
235	SOUTH COATESVILLE	BOR
240	SOUTH COVENTRY	TWP
245	SPRING CITY	BOR
250	THORNBURY	TWP
255	TREDYFFRIN	TWP
260	UPPER OXFORD	TWP
265	UPPER UWCHLAN	TWP
270	UWCHLAN	TWP
275	VALLEY	TWP
280	WALLACE	TWP
285	WARWICK	TWP
290	WEST BRADFORD	TWP
295	WEST BRANDYWINE	TWP
300	WEST CALN	TWP
305	WEST CHESTER	BOR
310	WEST FALLOWFIELD	TWP
315	WEST GOSHEN	TWP
320	WEST GROVE	BOR
325	WEST MARLBOROUGH	TWP
330	WEST NANTMEAL	TWP
335	WEST NOTTINGHAM	TWP
340	WEST PIKELAND	TWP
345	WEST SADSBURY	TWP
350	WESTTOWN	TWP
355	WEST VINCENT	TWP
360	WEST WHITELAND	TWP
365	WILLISTOWN	TWP

CLARION

005	ASHLAND	TWP
010	BEAVER	TWP
015	BRADY	TWP
020	CALLENSBURG	BOR
025	CLARION	BOR
030	CLARION	TWP
035	EAST BRADY	BOR
040	ELK	TWP
042	EMLENTON	BOR
045	FARMINGTON	TWP
050	FOXBURG	BOR
055	HAWTHORNE	BOR
060	HIGHLAND	TWP
065	KNOX	BOR
070	KNOX	TWP
075	LICKING	TWP

080	LIMESTONE	TWP
085	MADISON	TWP
090	MILLCREEK	TWP
095	MONROE	TWP
100	NEW BETHLEHEM	BOR
105	PAINT	TWP
110	PERRY	TWP
115	PINEY	TWP
120	PORTER	TWP
125	REDBANK	TWP
130	RICHLAND	TWP
135	RIMERSBURG	BOR
140	ST PETERSBURG	BOR
145	SALEM	TWP
150	SHIPPENVILLE	BOR
155	SLIGO	BOR
160	STRATTANVILLE	BOR
165	TOBY	TWP
170	WASHINGTON	TWP

CLEARFIELD

005	BECCARIA	TWP
010	BELL	TWP
015	BIGLER	TWP
020	BLOOM	TWP
025	BOGGS	TWP
030	BRADFORD	TWP
035	BRADY	TWP
040	BRISBIN	BOR
045	BURNSIDE	BOR
050	BURNSIDE	TWP
057	CHEST	TWP
060	CHESTER HILL	BOR
065	CLEARFIELD	BOR
070	COALPORT	BOR
075	COOPER	TWP
080	COVINGTON	TWP
085	CURWENSVILLE	BOR
090	DECATUR	TWP
095	DU BOIS	CIT
100	FALLS CREEK	BOR
105	FERGUSON	TWP
110	GIRARD	TWP
115	GLEN HOPE	BOR
120	GOSHEN	TWP
125	GRAHAM	TWP
130	GRAMPIAN	BOR
135	GREENWOOD	TWP
140	GULICH	TWP
145	HOUTZDALE	BOR
150	HUSTON	TWP
155	IRVONA	BOR
160	JORDAN	TWP
165	KARTHAUS	TWP
170	KNOX	TWP
175	LAWRENCE	TWP
180	LUMBER CITY	BOR
185	MAHAFFEY	BOR
190	MORRIS	TWP
195	NEWBURG	BOR
200	NEW WASHINGTON	BOR
205	OSCEOLA MILLS	BOR
210	PENN	TWP
215	PIKE	TWP
220	PINE	TWP
225	RAMEY	BOR
230	SANDY	TWP
235	TROUTVILLE	BOR
240	UNION	TWP
245	WALLACETON	BOR
250	WESTOVER	BOR
255	WOODWARD	TWP

CLINTON

005	ALLISON	TWP
010	AVIS	BOR
015	BALD EAGLE	TWP
020	BEECH CREEK	BOR
025	BEECH CREEK	TWP
030	CASTANEA	TWP
035	CHAPMAN	TWP
040	COLEBROOK	TWP
045	CRAWFORD	TWP
050	DUNNSTABLE	TWP
055	EAST KEATING	TWP
060	FLEMINGTON	BOR
065	GALLAGHER	TWP
070	GREENE	TWP
075	GRUGAN	TWP
080	LAMAR	TWP
085	LEIDY	TWP
090	LOCK HAVEN	CIT
095	LOGAN	TWP
100	LOGANTON	BOR
105	MILL HALL	BOR
110	NOYES	TWP
115	PINE CREEK	TWP
120	PORTER	TWP
125	RENOVO	BOR
130	SOUTH RENOVO	BOR
135	WAYNE	TWP
140	WEST KEATING	TWP
145	WOODWARD	TWP

COLUMBIA

005	ASHLAND	BOR
010	BEAVER	TWP
015	BENTON	BOR
020	BENTON	TWP
025	BERWICK	BOR
030	BLOOMSBURG	TWP
035	BRIAR CREEK	BOR
040	BRIAR CREEK	TWP
045	CATAWISSA	BOR
050	CATAWISSA	TWP
055	CENTRALIA	BOR
060	CLEVELAND	TWP
065	CONYNGHAM	TWP
070	FISHINGCREEK	TWP
075	FRANKLIN	TWP
080	GREENWOOD	TWP
085	HEMLOCK	TWP
090	JACKSON	TWP
095	LOCUST	TWP
100	MADISON	TWP
105	MAIN	TWP
110	MIFFLIN	TWP
115	MILLVILLE	BOR
120	MONTOUR	TWP
125	MOUNT PLEASANT	TWP
130	NORTH CENTRE	TWP
135	ORANGE	TWP
140	ORANGEVILLE	BOR
145	PINE	TWP
150	ROARING CREEK	TWP
155	SCOTT	TWP
160	SOUTH CENTRE	TWP
165	STILLWATER	BOR
170	SUGARLOAF	TWP

CRAWFORD

005	ATHENS	TWP
010	BEAVER	TWP
015	BLOOMFIELD	TWP
020	BLOOMING VALLEY	BOR
027	CAMBRIDGE	TWP
030	CAMBRIDGE SPRINGS	BOR
035	CENTERVILLE	BOR
040	COCHRANTON	BOR

047	CONNEAUT	TWP
050	CONNEAUT LAKE	BOR
055	CONNEAUTVILLE	BOR
060	CUSSEWAGO	TWP
065	EAST FAIRFIELD	TWP
070	EAST FALLOWFIELD	TWP
075	EAST MEAD	TWP
080	FAIRFIELD	TWP
085	GREENWOOD	TWP
090	HAYFIELD	TWP
095	HYDETOWN	BOR
100	LINESVILLE	BOR
105	MEADVILLE	CIT
110	NORTH SHENANGO	TWP
115	OIL CREEK	TWP
120	PINE	TWP
125	RANDOLPH	TWP
130	RICHMOND	TWP
135	ROCKDALE	TWP
140	ROME	TWP
145	SADSBURY	TWP
150	SAEGERTOWN	BOR
155	SOUTH SHENANGO	TWP
162	SPARTA	TWP
165	SPARTANSBURG	BOR
172	SPRING	TWP
175	SPRINGBORO	BOR
180	STEUBEN	TWP
185	SUMMERHILL	TWP
190	SUMMIT	TWP
195	TITUSVILLE	CIT
200	TOWNVILLE	BOR
205	TROY	TWP
210	UNION	TWP
215	VENANGO	BOR
220	VENANGO	TWP
225	VERNON	TWP
230	WAYNE	TWP
235	WEST FALLOWFIELD	TWP
240	WEST MEAD	TWP
245	WEST SHENANGO	TWP
250	WOODCOCK	BOR
255	WOODCOCK	TWP

CUMBERLAND

005	CAMP HILL	BOR
010	CARLISLE	BOR
015	COOKE	TWP
020	DICKINSON	TWP
025	EAST PENNSBORO	TWP
030	HAMPDEN	TWP
035	HOPEWELL	TWP
040	LEMOYNE	BOR
045	LOWER ALLEN	TWP
050	LOWER FRANKFORD	TWP
055	LOWER MIFFLIN	TWP
060	MECHANICSBURG	BOR
065	MIDDLESEX	TWP
070	MONROE	TWP
075	MOUNT HOLLY SPRINGS	BOR
080	NEWBURG	BOR
085	NEW CUMBERLAND	BOR
090	NEWVILLE	BOR
095	NORTH MIDDLETON	TWP
100	NORTH NEWTON	TWP
105	PENN	TWP
110	SHIPPENSBURG	BOR
115	SHIPPENSBURG	TWP
120	SHIREMANSTOWN	BOR
125	SILVER SPRING	TWP
130	SOUTHAMPTON	TWP
135	SOUTH MIDDLETON	TWP
140	SOUTH NEWTON	TWP
145	UPPER ALLEN	TWP
150	UPPER FRANKFORD	TWP
155	UPPER MIFFLIN	TWP
170	WORMLEYSBURG	BOR

160	WEST FAIRVIEW	BOR
165	WEST PENNSBORO	TWP

DAUPHIN

005	BERRYSBURG	BOR
010	CONEWAGO	TWP
015	DAUPHIN	BOR
020	DERRY	TWP
025	EAST HANOVER	TWP
030	ELIZABETHVILLE	BOR
035	GRATZ	BOR
040	HALIFAX	BOR
045	HALIFAX	TWP
050	HARRISBURG	CIT
055	HIGHSPIRE	BOR
060	HUMMELSTOWN	BOR
065	JACKSON	TWP
070	JEFFERSON	TWP
075	LONDONDERRY	TWP
080	LOWER PAXTON	TWP
085	LOWER SWATARA	TWP
090	LYKENS	BOR
095	LYKENS	TWP
100	MIDDLE PAXTON	TWP
105	MIDDLETOWN	BOR
110	MIFFLIN	TWP
115	MILLERSBURG	BOR
120	PAXTANG	BOR
125	PENBROOK	BOR
127	PILLOW	BOR
130	REED	TWP
135	ROYALTON	BOR
140	RUSH	TWP
145	SOUTH HANOVER	TWP
150	STEELTON	BOR
155	SUSQUEHANNA	TWP
160	SWATARA	TWP
170	UPPER PAXTON	TWP
175	WASHINGTON	TWP
180	WAYNE	TWP
185	WEST HANOVER	TWP
190	WICONISCO	TWP
195	WILLIAMS	TWP
200	WILLIAMSTOWN	BOR

DELAWARE

005	ALDAN	BOR
010	ASTON	TWP
015	BETHEL	TWP
020	BIRMINGHAM	TWP
025	BROOKHAVEN	BOR
030	CHESTER	CIT
035	CHESTER	TWP
038	CHESTER HEIGHTS	BOR
045	CLIFTON HEIGHTS	BOR
050	COLLINGDALE	BOR
055	COLWYN	BOR
060	CONCORD	TWP
065	DARBY	BOR
070	DARBY	TWP
075	EAST LANSDOWNE	BOR
080	EDDYSTONE	BOR
085	EDGEMONT	TWP
090	FOLCROFT	BOR
095	GLENOLDEN	BOR
100	HAVERFORD	TWP
105	LANSDOWNE	BOR
110	LOWER CHICHESTER	TWP
115	MARCUS HOOK	BOR
120	MARPLE	TWP
125	MEDIA	BOR
130	MIDDLETOWN	TWP
135	MILLBOURNE	BOR
140	MORTON	BOR

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145 NETHER PROVIDENCETWP
 150 NEWTOWNTWP
 155 NORWOODBOR
 160 PARKSIDEBOR
 165 PROSPECT PARKBOR
 170 RADNORTWP
 177 RIDLEYTWP
 180 RIDLEY PARKBOR
 185 ROSE VALLEYBOR
 190 RUTLEDGEBOR
 195 SHARON HILLBOR
 200 SPRINGFIELDTWP
 205 SWARTHMORE.....BOR
 210 THORNBURYTWP
 215 TINICUMTWP
 220 TRAINERBOR
 225 UPLANDBOR
 230 UPPER CHICHESTERTWP
 235 UPPER DARBYTWP
 240 UPPER PROVIDENCETWP
 245 YEADONBOR

ELK

005 BENEZETTETWP
 010 BENZINGERTWP
 015 FOXTWP
 020 HIGHLANDTWP
 025 HORTONTWP
 030 JAYTWP
 035 JOHNSONBURGBOR
 040 JONESTWP
 045 MILLSTONETWP
 050 RIDGWAYBOR
 055 RIDGWAYTWP
 060 ST MARYSBOR
 065 SPRING CREEKTWP

ERIE

005 ALBIONBOR
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 020 CONNEAUTTWP
 025 CORRYCIT
 030 CRANESVILLEBOR
 040 EDINBOROBOR
 045 ELGINBOR
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 055 ERIECIT
 060 FAIRVIEWBOR
 065 FAIRVIEWTWP
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 075 GIRARDBOR
 080 GIRARDTWP
 085 GREENETWP
 090 GREENFIELDTWP
 095 HARBORCREEKTWP
 100 LAKE CITYBOR
 105 LAWRENCE PARKTWP
 110 LE BOEUFTWP
 114 MCKEANBOR
 115 MCKEANTWP
 125 MILLCREEKTWP
 130 MILL VILLAGEBOR
 135 NORTH EASTBOR
 140 NORTH EASTTWP
 145 PLATEABOR
 150 SPRINGFIELD.....TWP
 155 SUMMITTWP
 162 UNIONTWP
 165 UNION CITYBOR
 170 VENANGOTWP
 175 WASHINGTONTWP
 180 WATERFORDBOR
 185 WATERFORDTWP
 190 WATTSBURG.....BOR
 195 WAYNETWP

200 WESLEYVILLEBOR

FAYETTE

005 BELLE VERNONBOR
 010 BROWNSVILLEBOR
 015 BROWNSVILLETWP
 020 BULLSKINTWP
 025 CONNELLSVILLECIT
 030 CONNELLSVILLETWP
 035 DAWSONBOR
 040 DUNBARBOR
 045 DUNBARTWP
 050 EVERSONBOR
 055 FAIRCHANCEBOR
 060 FAYETTE CITYBOR
 065 FRANKLINTWP
 070 GEORGESTWP
 075 GERMANTWP
 080 HENRY CLAYTWP
 085 JEFFERSONTWP
 090 LOWER TYRONETWP
 095 LUZERNETWP
 100 MARKLEYSBURGBOR
 105 MASONTOWNBOR
 110 MENALLENTWP
 115 NEWELLBOR
 120 NICHOLSONTWP
 125 NORTH UNIONTWP
 130 OHIOPLYEBOR
 135 PERRYTWP
 138 PERRYOPOLISBOR
 145 POINT MARIONBOR
 150 REDSTONETWP
 155 SALTCLICKTWP
 157 SEVEN SPRINGSBOR
 160 SMITHFIELDBOR
 165 SOUTH CONNELLSVILLEBOR
 170 SOUTH UNIONTWP
 175 SPRINGFIELD.....TWP
 180 SPRINGHILLTWP
 185 STEWARTTWP
 190 UNIONTOWNCIT
 195 UPPER TYRONETWP
 200 VANDERBILTBOR
 205 WASHINGTONTWP
 210 WHARTONTWP

FOREST

005 BARNETTTWP
 010 GREENTWP
 015 HARMONYTWP
 020 HICKORYTWP
 025 HOWETWP
 030 JENKSTWP
 035 KINGSLEYTWP
 040 TIONESTABOR
 045 TIONESTATWP

FRANKLIN

005 ANTRIMTWP
 010 CHAMBERSBURGBOR
 015 FANNETTTWP
 020 GREENCASTLEBOR
 025 GREENETWP
 030 GUILFORDTWP
 035 HAMILTONTWP
 040 LETTERKENNYTWP
 045 LURGANTWP
 050 MERCERSBURGBOR
 055 METALTWP
 060 MONT ALTOBOR
 065 MONTGOMERYTWP
 070 ORRSTOWNBOR
 075 PETERSTWP
 080 QUINCYTWP
 085 ST. THOMASTWP

090 SHIPPENSBURG.....BOR
 095 SOUTHAMPTONTWP
 100 WARRENTWP
 105 WASHINGTONTWP
 110 WAYNESBOROBOR

FULTON

005 AYRTWP
 010 BELFASTTWP
 015 BETHELTWP
 020 BRUSH CREEKTWP
 025 DUBLINTWP
 030 LICKING CREEKTWP
 035 MCCONNELLSBURGBOR
 040 TAYLORTWP
 045 THOMPSONTWP
 050 TODDTWP
 055 UNIONTWP
 057 VALLEY HIBOR
 060 WELLSTWP

GREENE

005 ALEPPOTWP
 010 CARMICHAELSBOR
 015 CENTERTWP
 020 CLARKSVILLEBOR
 025 CUMBERLANDTWP
 030 DUNKARDTWP
 035 FRANKLINTWP
 040 FREEPORTTWP
 045 GILMORETWP
 050 GRAYTWP
 055 GREENETWP
 060 GREENSBOROBOR
 065 JACKSONTWP
 070 JEFFERSONBOR
 075 JEFFERSONTWP
 080 MONONGAHELATWP
 085 MORGANTWP
 090 MORRISTWP
 095 PERRYTWP
 100 RICES LANDINGBOR
 105 RICHHILLTWP
 110 SPRINGHILLTWP
 115 WASHINGTONTWP
 120 WAYNETWP
 125 WAYNESBURGBOR
 130 WHITELEYTWP

HUNTINGDON

005 ALEXANDRIABOR
 010 BARREETWP
 015 BIRMINGHAMBOR
 020 BRADYTWP
 025 BROAD TOP CITYBOR
 030 CARBONTWP
 035 CASSTWP
 040 CASSVILLEBOR
 045 CLAYTWP
 050 COALMONTBOR
 055 CROMWELLTWP
 060 DUBLINTWP
 065 DUDLEYBOR
 070 FRANKLINTWP
 075 HENDERSONTWP
 080 HOPEWELLTWP
 085 HUNTINGDONBOR
 090 JACKSONTWP
 095 JUNIATATWP
 100 LINCOLNTWP
 105 LOGANTWP
 110 MAPLETONBOR
 115 MARKLESBURGBOR

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120 MILL CREEK BOR
 125 MILLER TWP
 130 MORRIS TWP
 135 MOUNT UNION BOR
 140 ONEIDA TWP
 145 ORBISONIA BOR
 150 PENN TWP
 155 PETERSBURG BOR
 160 PORTER TWP
 165 ROCKHILL FURNACE BOR
 170 SALTILLO BOR
 175 SHADE GAP BOR
 180 SHIRLEY TWP
 183 SHIRLEYSBURG BOR
 190 SMITHFIELD TWP
 195 SPRINGFIELD TWP
 200 SPRUCE CREEK TWP
 205 TELL TWP
 210 THREE SPRINGS BOR
 216 TODD TWP
 220 UNION TWP
 225 WALKER TWP
 230 WARRIORS MARK TWP
 235 WEST TWP
 240 WOOD TWP

INDIANA

005 ARMAGH BOR
 010 ARMSTRONG TWP
 015 BANKS TWP
 020 BLACK LICK TWP
 025 BLAIRSVILLE BOR
 030 BRUSH VALLEY TWP
 035 BUFFINGTON TWP
 040 BURRELL TWP
 045 CANOE TWP
 050 CENTER TWP
 055 CHERRYHILL TWP
 060 CHERRY TREE BOR
 065 CLYMER BOR
 070 CONEMAUGH TWP
 075 CREEKSIDE BOR
 080 EAST MAHONING TWP
 085 EAST WHEATFIELD TWP
 087 ERNEST BOR
 090 GLEN CAMPBELL BOR
 095 GRANT TWP
 100 GREEN TWP
 105 HOMER CITY BOR
 110 INDIANA BOR
 115 JACKSONVILLE BOR
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 125 MONTGOMERY TWP
 130 NORTH MAHONING TWP
 135 PINE TWP
 140 PLUMVILLE BOR
 145 RAYNE TWP
 150 SALTSBURG BOR
 155 SHELOCTA BOR
 160 SMICKSBURG BOR
 165 SOUTH MAHONING TWP
 170 WASHINGTON TWP
 175 WEST MAHONING TWP
 180 WEST WHEATFIELD TWP
 185 WHITE TWP
 190 YOUNG TWP

JEFFERSON

005 BARNETT TWP
 010 BEAVER TWP
 015 BELL TWP
 020 BIG RUN BOR
 025 BROCKWAY BOR
 030 BROOKVILLE BOR
 035 CLOVER TWP

040 CORSICA BOR
 045 ELDRED TWP
 050 FALLS CREEK BOR
 055 GASKILL TWP
 060 HEATH TWP
 065 HENDERSON TWP
 070 KNOX TWP
 075 MCCALMONT TWP
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 085 PERRY TWP
 090 PINE CREEK TWP
 095 POLK TWP
 100 PORTER TWP
 105 PUNXSUTAWNEY BOR
 110 REYNOLDSVILLE BOR
 115 RINGGOLD TWP
 120 ROSE TWP
 125 SNYDER TWP
 130 SUMMERSVILLE BOR
 135 SYKESVILLE BOR
 140 TIMBLIN BOR
 145 UNION TWP
 150 WARSAW TWP
 155 WASHINGTON TWP
 160 WINSLOW TWP
 165 WORTHVILLE BOR
 170 YOUNG TWP

JUNIATA

005 BEALE TWP
 010 DELAWARE TWP
 015 FAYETTE TWP
 020 FERMANAGH TWP
 025 GREENWOOD TWP
 030 LACK TWP
 035 MIFFLIN BOR
 040 MIFFLINTOWN BOR
 045 MILFORD TWP
 050 MONROE TWP
 055 PORT ROYAL BOR
 060 SPRUCE HILL TWP
 065 SUSQUEHANNA TWP
 070 THOMPSONTOWN BOR
 075 TURBETT TWP
 080 TUSCARORA TWP
 085 WALKER TWP

LACKAWANNA

005 ABINGTON TWP
 010 ARCHBALD BOR
 015 BENTON TWP
 020 BLAKELY BOR
 025 CARBONDALE CIT
 030 CARBONDALE TWP
 035 CLARKS GREEN BOR
 040 CLARKS SUMMIT BOR
 045 CLIFTON TWP
 050 COVINGTON TWP
 055 DALTON BOR
 060 DICKSON CITY BOR
 065 DUNMORE BOR
 070 ELMHURST TWP
 075 FELL TWP
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 085 GREENFIELD TWP
 090 JEFFERSON TWP
 095 JERMYN BOR
 097 JESSUP BOR
 100 LA PLUME TWP
 105 LEHIGH TWP
 110 MADISON TWP
 115 MAYFIELD BOR
 120 MOOSIC BOR
 125 MOSCOW BOR
 130 NEWTON TWP

135 NORTH ABINGTON TWP
 140 OLD FORGE BOR
 145 OLYPHANT BOR
 150 RANSOM TWP
 155 ROARING BROOK TWP
 160 SCOTT TWP
 165 SCRANTON CIT
 170 SOUTH ABINGTON TWP
 175 SPRING BROOK TWP
 180 TAYLOR BOR
 185 THROOP BOR
 190 VANDLING BOR
 195 WEST ABINGTON TWP

LANCASTER

005 ADAMSTOWN BOR
 010 AKRON BOR
 015 BART TWP
 020 BRECKNOCK TWP
 025 CAERNARVON TWP
 030 CHRISTIANA BOR
 035 CLAY TWP
 040 COLERAIN TWP
 045 COLUMBIA BOR
 050 CONESTOGA TWP
 055 CONOY TWP
 060 DENVER BOR
 065 DRUMORE TWP
 070 EARL TWP
 075 EAST COCALICO TWP
 080 EAST DONEGAL TWP
 085 EAST DRUMORE TWP
 090 EAST EARL TWP
 095 EAST HEMPFIELD TWP
 100 EAST LAMPETER TWP
 105 EAST PETERSBURG BOR
 110 EDEN TWP
 117 ELIZABETH TWP
 120 ELIZABETHTOWN BOR
 125 EPHRATA BOR
 130 EPHRATA TWP
 135 FULTON TWP
 140 LANCASTER CIT
 145 LANCASTER TWP
 150 LEACOCK TWP
 155 LITITZ BOR
 160 LITTLE BRITAIN TWP
 165 MANHEIM BOR
 170 MANHEIM TWP
 175 MANOR TWP
 180 MARIETTA BOR
 185 MARTIC TWP
 190 MILLERSVILLE BOR
 195 MOUNT JOY BOR
 200 MOUNT JOY TWP
 205 MOUNTVILLE BOR
 210 NEW HOLLAND BOR
 215 PARADISE TWP
 220 PENN TWP
 225 PEQUEA TWP
 230 PROVIDENCE TWP
 235 QUARRYVILLE BOR
 240 RAPHO TWP
 245 SADSURY TWP
 250 SALISBURY TWP
 255 STRASBURG BOR
 260 STRASBURG TWP
 265 TERRE HILL BOR
 270 UPPER LEACOCK TWP
 275 WARWICK TWP
 285 WEST COCALICO TWP
 290 WEST DONEGAL TWP
 295 WEST EARL TWP
 300 WEST HEMPFIELD TWP
 305 WEST LAMPETER TWP

LAWRENCE

005	BESSEMER	BOR
015	ELLPORT	BOR
020	ELLWOOD CITY	BOR
025	ENON VALLEY	BOR
030	HICKORY	TWP
035	LITTLE BEAVER	TWP
040	MAHONING	TWP
045	NESHANNOCK	TWP
047	NEW BEAVER	BOR
050	NEW CASTLE	CIT
055	NEW WILMINGTON	BOR
060	NORTH BEAVER	TWP
065	PERRY	TWP
070	PLAIN GROVE	TWP
075	PULASKI	TWP
080	SCOTT	TWP
085	SHENANGO	TWP
090	SLIPPERY ROCK	TWP
093	S. N. P. J.	BOR
095	SOUTH NEW CASTLE	BOR
100	TAYLOR	TWP
105	UNION	TWP
110	VOLANT	BOR
115	WAMPUM	BOR
120	WASHINGTON	TWP
125	WAYNE	TWP
130	WILMINGTON	TWP

LEBANON

005	ANNVILLE	TWP
010	BETHEL	TWP
015	CLEONA	BOR
020	COLD SPRING	TWP
025	CORNWALL	BOR
030	EAST HANOVER	TWP
035	HEIDELBERG	TWP
040	JACKSON	TWP
045	JONESTOWN	BOR
050	LEBANON	CIT
055	MILLCREEK	TWP
060	MOUNT GRETNA	BOR
065	MYERSTOWN	BOR
070	NORTH ANNVILLE	TWP
075	NORTH CORNWALL	TWP
080	NORTH LEBANON	TWP
085	NORTH LONDONDERRY	TWP
090	PALMYRA	BOR
095	RICHLAND	BOR
100	SOUTH ANNVILLE	TWP
105	SOUTH LEBANON	TWP
110	SOUTH LONDONDERRY	TWP
115	SWATARA	TWP
120	UNION	TWP
125	WEST CORNWALL	TWP
130	WEST LEBANON	TWP

LEHIGH

005	ALBURTIS	BOR
010	ALLENTOWN	CIT
015	BETHLEHEM	CIT
020	CATASAUQUA	BOR
025	COOPERSBURG	BOR
030	COPLAY	BOR
035	EMMAUS	BOR
040	FOUNTAIN HILL	BOR
045	HANOVER	TWP
050	HEIDELBERG	TWP
055	LOWER MACUNGIE	TWP
060	LOWER MILFORD	TWP
065	LOWHILL	TWP
070	LYNN	TWP
075	MACUNGIE	BOR
080	NORTH WHITEHALL	TWP
085	SALISBURY	TWP
090	SLATINGTON	BOR

095	SOUTH WHITEHALL	TWP
100	UPPER MACUNGIE	TWP
105	UPPER MILFORD	TWP
110	UPPER SAUCON	TWP
115	WASHINGTON	TWP
120	WEISENBERG	TWP
125	WHITEHALL	TWP

LUZERNE

005	ASHLEY	BOR
010	AVOCA	BOR
015	BEAR CREEK	TWP
020	BLACK CREEK	TWP
025	BUCK	TWP
030	BUTLER	TWP
035	CONYNGHAM	BOR
040	CONYNGHAM	TWP
045	COURTDALE	BOR
050	DALLAS	BOR
055	DALLAS	TWP
060	DENNISON	TWP
065	DORRANCE	TWP
070	DUPONT	BOR
075	DURYEA	BOR
080	EDWARDSVILLE	BOR
085	EXETER	BOR
090	EXETER	TWP
095	FAIRMOUNT	TWP
100	FAIRVIEW	TWP
105	FORTY FORT	BOR
110	FOSTER	TWP
115	FRANKLIN	TWP
120	FREELAND	BOR
125	HANOVER	TWP
127	HARVEYS LAKE	BOR
132	HAZLE	TWP
135	HAZLETON	CIT
140	HOLLENBACK	TWP
145	HUGHESTOWN	BOR
150	HUNLOCK	TWP
155	HUNTINGTON	TWP
160	JACKSON	TWP
165	JEDDO	BOR
170	JENKINS	TWP
175	KINGSTON	BOR
180	KINGSTON	TWP
185	LAFLIN	BOR
190	LAKE	TWP
195	LARKSVILLE	BOR
200	LAUREL RUN	BOR
205	LEHMAN	TWP
210	LUZERNE	BOR
215	NANTICOKE	CIT
220	NESCOPECK	BOR
225	NESCOPECK	TWP
230	NEW COLUMBUS	BOR
235	NEWPORT	TWP
240	NUANGOLA	BOR
243	PENN LAKE PARK	BOR
245	PITTSTON	CIT
250	PITTSTON	TWP
255	PLAINS	TWP
260	PLYMOUTH	BOR
265	PLYMOUTH	TWP
270	PRINGLE	BOR
275	RICE	TWP
280	ROSS	TWP
285	SALEM	TWP
290	SHICKSHINNY	BOR
295	SLOCUM	TWP
300	SUGARLOAF	TWP
305	SUGAR NOTCH	BOR
310	SWOYERSVILLE	BOR
315	UNION	TWP
320	WARRIOR RUN	BOR
325	WEST HAZLETON	BOR
330	WEST PITTSBURGH	BOR
335	WEST WYOMING	BOR

340	WHITE HAVEN	BOR
345	WILKES BARRE	CIT
350	WILKES BARRE	TWP
355	WRIGHT	TWP
360	WYOMING	BOR
365	YATESVILLE	BOR

LYCOMING

005	ANTHONY	TWP
010	ARMSTRONG	TWP
015	BASTRESS	TWP
020	BRADY	TWP
025	BROWN	TWP
030	CASCADE	TWP
030	CASCADE	TWP
035	CLINTON	TWP
040	COGAN HOUSE	TWP
045	CUMMINGS	TWP
050	DUBOISTOWN	BOR
055	ELDRED	TWP
060	FAIRFIELD	TWP
065	FRANKLIN	TWP
070	GAMBLE	TWP
075	HEPBURN	TWP
080	HUGHESVILLE	BOR
085	JACKSON	TWP
090	JERSEY SHORE	BOR
095	JORDAN	TWP
100	LEWIS	TWP
105	LIMESTONE	TWP
110	LOYALSOCK	TWP
115	LYCOMING	TWP
120	MCHENRY	TWP
125	MCINTYRE	TWP
130	MCNETT	TWP
135	MIFFLIN	TWP
140	MILL CREEK	TWP
145	MONTGOMERY	BOR
150	MONTOURSVILLE	BOR
155	MORELAND	TWP
160	MUNCY	BOR
165	MUNCY	TWP
170	MUNCY CREEK	TWP
175	NIPPENOSE	TWP
180	OLD LYCOMING	TWP
185	PENN	TWP
190	PIATT	TWP
195	PICTURE ROCKS	BOR
200	PINE	TWP
205	PLUNKETTS CREEK	TWP
210	PORTER	TWP
215	SALLADASBURG	BOR
220	SHREWSBURY	TWP
225	SOUTH WILLIAMSPORT	BOR
230	SUSQUEHANNA	TWP
235	UPPER FAIRFIELD	TWP
240	WASHINGTON	TWP
245	WATSON	TWP
250	WILLIAMSPORT	CIT
255	WOLF	TWP
260	WOODWARD	TWP

MCKEAN

005 ANNIN TWP
 010 BRADFORDCIT
 015 BRADFORD TWP
 020 CERES TWP
 025 CORYDON TWP
 030 ELDRED BOR
 035 ELDRED TWP
 040 FOSTER TWP
 045 HAMILTON TWP
 050 HAMLIN TWP
 055 KANE BOR
 060 KEATING TWP
 065 LAFAYETTE TWP
 070 LEWIS RUN BOR
 075 LIBERTY TWP
 080 MOUNT JEWETT BOR
 085 NORWICH TWP
 090 OTTO TWP
 095 PORT ALLEGANY BOR
 100 SERGEANT TWP
 105 SMETHPORT BOR
 110 WETMORE TWP

MERCER

004 CLARK BOR
 010 COOLSPRING TWP
 015 DEER CREEK TWP
 020 DELAWARE TWP
 025 EAST LACKAWANNOCK TWP
 030 FAIRVIEW TWP
 035 FARRELL CIT
 040 FINDLEY TWP
 045 FREDONIA BOR
 050 FRENCH CREEK TWP
 055 GREENE TWP
 060 GREENVILLE BOR
 065 GROVE CITY BOR
 070 HEMPFIELD TWP
 075 HERMITAGE TWP
 082 JACKSON TWP
 085 JACKSON CENTER BOR
 090 JAMESTOWN BOR
 095 JEFFERSON TWP
 100 LACKAWANNOCK TWP
 105 LAKE TWP
 110 LIBERTY TWP
 115 MERCER BOR
 120 MILL CREEK TWP
 125 NEW LEBANON BOR
 130 NEW VERNON TWP
 135 OTTER CREEK TWP
 140 PERRY TWP
 145 PINE TWP
 150 PYMATUNING TWP
 155 SALEM TWP
 160 SANDY CREEK TWP
 165 SANDY LAKE BOR
 170 SANDY LAKE TWP
 175 SHARON CIT
 180 SHARPSVILLE BOR
 185 SHEAKLEYVILLE BOR
 190 SHENANGO TWP
 195 SOUTH PYMATUNING TWP
 200 SPRINGFIELD TWP
 205 STONEBORO BOR
 210 SUGAR GROVE TWP
 215 WEST MIDDLESEX BOR
 220 WEST SALEM TWP
 225 WHEATLAND BOR
 230 WILMINGTON TWP
 235 WOLF CREEK TWP
 240 WORTH TWP

MIFFLIN

005 ARMAGH TWP
 010 BRATTON TWP
 015 BROWN TWP
 020 BURNHAM BOR
 025 DECATUR TWP
 030 DERRY TWP
 035 GRANVILLE TWP
 037 JUNIATA TERRACE BOR
 040 KISTLER BOR
 045 LEWISTOWN BOR
 050 MCVEYTOWN BOR
 055 MENNO TWP
 060 NEWTON HAMILTON BOR
 065 OLIVER TWP
 070 UNION TWP
 075 WAYNE TWP

MONROE

005 BARRETT TWP
 010 CHESTNUTHILL TWP
 015 COOLBAUGH TWP
 020 DELAWARE WATER GAP BOR
 025 EAST STROUDSBURG BOR
 030 ELDRED TWP
 035 HAMILTON TWP
 040 JACKSON TWP
 045 MIDDLE SMITHFIELD TWP
 050 MOUNT POCONO BOR
 055 PARADISE TWP
 060 POCONO TWP
 065 POLK TWP
 070 PRICE TWP
 075 ROSS TWP
 080 SMITHFIELD TWP
 085 STROUD TWP
 088 STROUDSBURG BOR
 095 TOBYHANNA TWP
 100 TUNKHANNOCK TWP

MONTGOMERY

005 ABINGTON TWP
 010 AMBLER BOR
 015 BRIDGEPORT BOR
 020 BRYN ATHYN BOR
 025 CHELTENHAM TWP
 030 COLLEGEVILLE BOR
 035 CONSHOHOCKEN BOR
 040 DOUGLASS TWP
 045 EAST GREENVILLE BOR
 050 EAST NORRITON TWP
 055 FRANCONIA TWP
 060 GREENLANE BOR
 065 HATBORO BOR
 070 HATFIELD BOR
 075 HATFIELD TWP
 080 HORSHAM TWP
 085 JENKINTOWN BOR
 090 LANSDALE BOR
 095 LIMERICK TWP
 100 LOWER FREDERICK TWP
 105 LOWER GWYNEDD TWP
 110 LOWER MERION TWP
 115 LOWER MORELAND TWP
 120 LOWER POTTSBURY TWP
 125 LOWER PROVIDENCE TWP
 130 LOWER SALFORD TWP
 135 MARLBOROUGH TWP
 140 MONTGOMERY TWP
 145 NARBERTH BOR
 150 NEW HANOVER TWP
 155 NORRISTOWN BOR

160 NORTH WALES BOR
 165 PENNSBURG BOR
 170 PERKIOMEN TWP
 175 PLYMOUTH TWP
 180 POTTSTOWN BOR
 185 RED HILL BOR
 190 ROCKLEDGE BOR
 195 ROYERSFORD BOR
 200 SALFORD TWP
 205 SCHWENKSVILLE BOR
 210 SKIPPACK TWP
 215 SOUDERTON BOR
 220 SPRINGFIELD TWP
 225 TELFORD BOR
 230 TOWAMENCIN TWP
 235 TRAPPE BOR
 240 UPPER DUBLIN TWP
 245 UPPER FREDERICK TWP
 250 UPPER GWYNEDD TWP
 255 UPPER HANOVER TWP
 260 UPPER MERION TWP
 265 UPPER MORELAND TWP
 270 UPPER POTTSBURY TWP
 275 UPPER PROVIDENCE TWP
 280 UPPER SALFORD TWP
 285 WEST CONSHOHOCKEN BOR
 290 WEST NORRITON TWP
 295 WEST POTTSBURY TWP
 300 WHITEMARSH TWP
 305 WHITPAIN TWP
 310 WORCESTER TWP

MONTOUR

005 ANTHONY TWP
 010 COOPER TWP
 015 DANVILLE BOR
 020 DERRY TWP
 025 LIBERTY TWP
 030 LIMESTONE TWP
 035 MAHONING TWP
 040 MAYBERRY TWP
 045 VALLEY TWP
 050 WASHINGTONVILLE BOR
 055 WEST HEMLOCK TWP

NORTHAMPTON

005 ALLEN TWP
 010 BANGOR BOR
 015 BATH BOR
 020 BETHLEHEM CIT
 025 BETHLEHEM TWP
 030 BUSHKILL TWP
 035 CHAPMAN BOR
 040 EAST ALLEN TWP
 045 EAST BANGOR BOR
 050 EASTON CIT
 055 FORKS TWP
 060 FREEMANSBURG BOR
 065 GLENDON BOR
 070 HANOVER TWP
 075 HELLERTOWN BOR
 080 LEHIGH TWP
 085 LOWER MOUNT BETHEL TWP
 090 LOWER NAZARETH TWP
 095 LOWER SAUCON TWP
 100 MOORE TWP
 105 NAZARETH BOR
 110 NORTHAMPTON BOR
 115 NORTH CATASAUQUA BOR

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120 PALMER TWP
 125 PEN ARGYLBOR
 130 PLAINFIELD TWP
 135 PORTLANDBOR
 140 ROSETOBOR
 145 STOCKERTOWNBOR
 150 TATAMYBOR
 155 UPPER MOUNT BETHEL TWP
 160 UPPER NAZARETH TWP
 165 WALNUTPORTBOR
 170 WASHINGTON TWP
 175 WEST EASTONBOR
 180 WILLIAMS TWP
 185 WILSONBOR
 190 WIND GAP BOR

NORTHUMBERLAND

005 COAL TWP
 010 DELAWARE TWP
 015 EAST CAMERON TWP
 020 EAST CHILLISQUAQUE TWP
 025 HERNDONBOR
 030 JACKSON TWP
 035 JORDAN TWP
 040 KULPMONTBOR
 045 LEWIS TWP
 050 LITTLE MAHANAY TWP
 055 LOWER AUGUSTA TWP
 060 LOWER MAHANAY TWP
 065 MCEWENSVILLEBOR
 070 MARION HEIGHTSBOR
 075 MILTONBOR
 080 MOUNT CARMELBOR
 085 MOUNT CARMEL TWP
 090 NORTHUMBERLANDBOR
 095 POINT TWP
 100 RALPHO TWP
 105 RIVERSIDEBOR
 110 ROCKEFELLER TWP
 115 RUSH TWP
 120 SHAMOKIN CIT
 125 SHAMOKIN TWP
 130 SNYDERTOWNBOR
 135 SUNBURY CIT
 137 TURBOT TWP
 140 TURBOTVILLEBOR
 150 UPPER AUGUSTA TWP
 155 UPPER MAHANAY TWP
 160 WASHINGTON TWP
 165 WATSONTOWNBOR
 170 WEST CAMERON TWP
 175 WEST CHILLISQUAQUE TWP
 180 ZERBE TWP

PERRY

005 BLAIN BOR
 010 BLOOMFIELDBOR
 015 BUFFALO TWP
 020 CARROLL TWP
 025 CENTRE TWP
 030 DUNCANNONBOR
 035 GREENWOOD TWP
 040 HOWE TWP
 045 JACKSON TWP
 050 JUNIATA TWP
 055 LANDISBURGBOR
 060 LIVERPOOLBOR
 065 LIVERPOOL TWP
 070 MARYSVILLEBOR
 077 MILLER TWP
 080 MILLERSTOWNBOR
 085 NEW BUFFALOBOR
 090 NEWPORT BOR

095 NORTHEAST MADISON TWP
 100 OLIVER TWP
 105 PENN TWP
 110 RYE TWP
 115 SAVILLE TWP
 120 SOUTHWEST MADISON TWP
 125 SPRING TWP
 130 TOBOYNE TWP
 135 TUSCARORA TWP
 140 TYRONE TWP
 145 WATTS TWP
 150 WHEATFIELD TWP

PHILADELPHIA

005 PHILADELPHIA CIT

PIKE

005 BLOOMING GROVE TWP
 010 DELAWARE TWP
 015 DINGMAN TWP
 020 GREENE TWP
 025 LACKAWAXEN TWP
 030 LEHMAN TWP
 035 MATAMORASBOR
 040 MILFORDBOR
 045 MILFORD TWP
 050 PALMYRA TWP
 055 PORTER TWP
 060 SHOHOLA TWP
 065 WESTFALL TWP

POTTER

005 ABBOTT TWP
 010 ALLEGHENY TWP
 015 AUSTINBOR
 020 BINGHAM TWP
 025 CLARA TWP
 030 COUDERSPORTBOR
 035 EULALIA TWP
 040 GALETONBOR
 045 GENESEE TWP
 050 HARRISON TWP
 055 HEBRON TWP
 060 HECTOR TWP
 065 HOMER TWP
 070 KEATING TWP
 080 OSWAYOBOR
 085 OSWAYO TWP
 090 PIKE TWP
 095 PLEASANT VALLEY TWP
 100 PORTAGE TWP
 105 ROULETTE TWP
 110 SHARON TWP
 115 SHINGLEHOUSEBOR
 120 STEWARDSON TWP
 125 SUMMIT TWP
 130 SWEDEN TWP
 135 SYLVANIA TWP
 138 ULYSSESBOR
 140 ULYSSES TWP
 145 WEST BRANCH TWP
 150 WHARTON TWP

SCHUYLKILL

005 ASHLAND BOR
 010 AUBURNBOR
 015 BARRY TWP
 020 BLYTHE TWP
 025 BRANCH TWP
 030 BUTLER TWP

035 CASS TWP
 040 COALDALEBOR
 045 CRESSONABOR
 050 DEER LAKEBOR
 055 DELANO TWP
 060 EAST BRUNSWICK TWP
 065 EAST NORWEGIAN TWP
 070 EAST UNION TWP
 075 ELDRED TWP
 080 FOSTER TWP
 085 FRACKVILLEBOR
 090 FRAILEY TWP
 095 GILBERTONBOR
 100 GIRARDVILLEBOR
 105 GORDONBOR
 110 HEGINS TWP
 115 HUBLEY TWP
 120 KLINE TWP
 125 LANDINGVILLEBOR
 130 MCADOOBOR
 137 MAHANAY TWP
 140 MAHANAY CITYBOR
 145 MECHANICSVILLEBOR
 150 MIDDLEPORTBOR
 155 MINERSVILLEBOR
 160 MOUNT CARBONBOR
 165 NEW CASTLE TWP
 170 NEW PHILADELPHIABOR
 175 NEW RINGGOLDBOR
 180 NORTH MANHEIM TWP
 185 NORTH UNION TWP
 190 NORWEGIAN TWP
 195 ORWIGSBURGBOR
 200 PALO ALTOBOR
 205 PINE GROVEBOR
 210 PINE GROVE TWP
 215 PORT CARBONBOR
 220 PORT CLINTONBOR
 225 PORTER TWP
 230 POTTSVILLE CIT
 240 REILLY TWP
 245 RINGTOWNBOR
 250 RUSH TWP
 255 RYAN TWP
 260 ST CLAIRBOR
 267 SCHUYLKILL TWP
 270 SCHUYLKILL HAVENBOR
 275 SHENANDOAHBOR
 280 SOUTH MANHEIM TWP
 285 TAMAQUABOR
 290 TOWER CITYBOR
 295 TREMONTBOR
 300 TREMONT TWP
 305 UNION TWP
 310 UPPER MAHANTANGO TWP
 315 WALKER TWP
 320 WASHINGTON TWP
 325 WAYNE TWP
 330 WEST BRUNSWICK TWP
 335 WEST MAHANAY TWP
 340 WEST PENN TWP

SNYDER

005 ADAMS.....TWP
 012 BEAVER.....TWP
 015 BEAVERTOWN.....BOR
 020 CENTRE.....TWP
 025 CHAPMAN.....TWP
 030 FRANKLIN.....TWP
 035 FREEBURG.....BOR
 040 JACKSON.....TWP
 042 MCCLURE.....BOR
 045 MIDDLEBURG.....BOR
 050 MIDDLECREEK.....TWP
 055 MONROE.....TWP
 060 PENN.....TWP
 065 PERRY.....TWP
 070 SELINGSGROVE.....BOR
 075 SHAMOKIN DAM.....BOR
 080 SPRING.....TWP
 085 UNION.....TWP
 090 WASHINGTON.....TWP
 095 WEST BEAVER.....TWP
 100 WEST PERRY.....TWP

SOMERSET

005 ADDISON.....BOR
 010 ADDISON.....TWP
 015 ALLEGHENY.....TWP
 020 BENSON.....BOR
 025 BERLIN.....BOR
 030 BLACK.....TWP
 035 BOSWELL.....BOR
 040 BROTHERSVALLEY.....TWP
 043 CALLIMONT.....BOR
 045 CASSELMAN.....BOR
 050 CENTRAL CITY.....BOR
 055 CONEMAUGH.....TWP
 060 CONFLUENCE.....BOR
 065 ELK LICK.....TWP
 070 FAIRHOPE.....TWP
 075 GARRETT.....BOR
 080 GREENVILLE.....TWP
 085 HOOVERSVILLE.....BOR
 086 INDIAN LAKE.....BOR
 090 JEFFERSON.....TWP
 095 JENNER.....TWP
 098 JENNERSTOWN.....BOR
 105 LARIMER.....TWP
 110 LINCOLN.....TWP
 115 LOWER TURKEYFOOT.....TWP
 120 MEYERSDALE.....BOR
 125 MIDDLECREEK.....TWP
 130 MILFORD.....TWP
 135 NEW BALTIMORE.....BOR
 140 NEW CENTERVILLE.....BOR
 145 NORTHAMPTON.....TWP
 150 OGLE.....TWP
 155 PAINT.....BOR
 160 PAINT.....TWP
 165 QUEMAHONING.....TWP
 170 ROCKWOOD.....BOR
 175 SALISBURY.....BOR
 176 SEVEN SPRINGS.....BOR
 180 SHADE.....TWP
 185 SHANKSVILLE.....BOR
 190 SOMERSET.....BOR
 195 SOMERSET.....TWP
 200 SOUTHAMPTON.....TWP
 205 STONYCREEK.....TWP
 210 STOYSTOWN.....BOR
 215 SUMMIT.....TWP
 220 UPPER TURKEYFOOT.....TWP
 225 URSINA.....BOR
 230 WELLERSBURG.....BOR
 235 WINDBER.....BOR

SULLIVAN

005 CHERRY.....TWP
 010 COLLEY.....TWP
 015 DAVIDSON.....TWP
 020 DUSHORE.....BOR
 025 EAGLES MERE.....BOR
 030 ELKLAND.....TWP
 035 FORKS.....TWP
 040 FORKSVILLE.....BOR
 045 FOX.....TWP
 050 HILLSGROVE.....TWP
 055 LAPORTE.....BOR
 060 LAPORTE.....TWP
 065 SHREWSBURY.....TWP

SUSQUEHANNA

005 APOLACON.....TWP
 010 ARARAT.....TWP
 015 AUBURN.....TWP
 020 BRIDGEWATER.....TWP
 025 BROOKLYN.....TWP
 030 CHOCONUT.....TWP
 035 CLIFFORD.....TWP
 040 DIMOCK.....TWP
 045 FOREST CITY.....BOR
 050 FOREST LAKE.....TWP
 055 FRANKLIN.....TWP
 060 FRIENDSVILLE.....BOR
 065 GIBSON.....TWP
 070 GREAT BEND.....BOR
 075 GREAT BEND.....TWP
 080 HALLSTEAD.....BOR
 085 HARFORD.....TWP
 090 HARMONY.....TWP
 095 HERRICK.....TWP
 100 HOP BOTTOM.....BOR
 105 JACKSON.....TWP
 110 JESSUP.....TWP
 115 LANESBORO.....BOR
 120 LATHROP.....TWP
 125 LENOX.....TWP
 130 LIBERTY.....TWP
 135 LITTLE MEADOWS.....BOR
 140 MIDDLETOWN.....TWP
 145 MONTROSE.....BOR
 150 NEW MILFORD.....BOR
 155 NEW MILFORD.....TWP
 160 OAKLAND.....BOR
 165 OAKLAND.....TWP
 170 RUSH.....TWP
 175 SILVER LAKE.....TWP
 180 SPRINGVILLE.....TWP
 185 SUSQUEHANNA DEPOT.....BOR
 190 THOMPSON.....BOR
 195 THOMPSON.....TWP
 200 UNIONDALE.....BOR

TIOGA

008 BLOSS.....TWP
 010 BLOSSBURG.....BOR
 015 BROOKFIELD.....TWP
 020 CHARLESTON.....TWP
 025 CHATHAM.....TWP
 030 CLYMER.....TWP
 035 COVINGTON.....TWP
 040 DEERFIELD.....TWP
 045 DELMAR.....TWP
 050 DUNCAN.....TWP
 057 ELK.....TWP
 060 ELKLAND.....BOR
 065 ELKLAND.....TWP
 070 FARMINGTON.....TWP
 075 GAINES.....TWP

080 HAMILTON.....TWP
 085 JACKSON.....TWP
 090 KNOXVILLE.....BOR
 095 LAWRENCE.....TWP
 100 LAWRENCEVILLE.....BOR
 105 LIBERTY.....BOR
 110 LIBERTY.....TWP
 115 MANSFIELD.....BOR
 120 MIDDLEBURG.....TWP
 125 MORRIS.....TWP
 130 NELSON.....TWP
 135 OSCEOLA.....TWP
 140 PUTNAM.....TWP
 145 RICHMOND.....TWP
 150 ROSEVILLE.....BOR
 155 RUTLAND.....TWP
 160 SHIPPEN.....TWP
 165 SULLIVAN.....TWP
 170 TIOGA.....BOR
 175 TIOGA.....TWP
 180 UNION.....TWP
 185 WARD.....TWP
 190 WELLSBORO.....BOR
 195 WESTFIELD.....BOR
 200 WESTFIELD.....TWP

UNION

005 BUFFALO.....TWP
 010 EAST BUFFALO.....TWP
 015 GREGG.....TWP
 020 HARTLETON.....BOR
 025 HARTLEY.....TWP
 030 KELLY.....TWP
 038 LEWIS.....TWP
 040 LEWISBURG.....BOR
 045 LIMESTONE.....TWP
 050 MIFFLINBURG.....BOR
 055 NEW BERLIN.....BOR
 060 UNION.....TWP
 065 WEST BUFFALO.....TWP
 070 WHITE DEER.....TWP

VENANGO

005 ALLEGHENY.....TWP
 007 BARKEYVILLE.....BOR
 010 CANAL.....TWP
 015 CHERRYTREE.....TWP
 020 CLINTON.....TWP
 025 CLINTONVILLE.....BOR
 030 COOPERSTOWN.....BOR
 035 CORNPLANTER.....TWP
 040 CRANBERRY.....TWP
 045 EMLENTON.....BOR
 050 FRANKLIN.....CIT
 055 FRENCHCREEK.....TWP
 060 IRWIN.....TWP
 065 JACKSON.....TWP
 070 MINERAL.....TWP
 075 OAKLAND.....TWP
 080 OIL CITY.....CIT
 085 OILCREEK.....TWP
 090 PINEGROVE.....TWP
 095 PLEASANTVILLE.....BOR
 100 PLUM.....TWP
 105 POLK.....BOR
 110 PRESIDENT.....TWP
 115 RICHLAND.....TWP
 120 ROCKLAND.....TWP
 125 ROUSEVILLE.....BOR
 130 SANDYCREEK.....TWP
 135 SCRUBGRASS.....TWP
 137 SUGARCREEK.....BOR
 145 UTICA.....BOR
 150 VICTORY.....TWP

WARREN

005	BEAR LAKE	BOR
010	BROKENSTRAW	TWP
015	CHERRY GROVE	TWP
020	CLARENDON	BOR
025	COLUMBUS	TWP
030	CONEWANGO	TWP
040	DEERFIELD	TWP
045	ELDRED	TWP
050	ELK	TWP
055	FARMINGTON	TWP
060	FREEHOLD	TWP
065	GLADE	TWP
075	LIMESTONE	TWP
080	MEAD	TWP
085	PINE GROVE	TWP
090	PITTSFIELD	TWP
095	PLEASANT	TWP
100	SHEFFIELD	TWP
105	SOUTHWEST	TWP
110	SPRING CREEK	TWP
115	SUGAR GROVE	BOR
120	SUGAR GROVE	TWP
125	TIDIOUTE	BOR
130	TRIUMPH	TWP
135	WARREN	BOR
140	WATSON	TWP
145	YOUNGSVILLE	BOR

WASHINGTON

005	ALLENPORT	BOR
010	AMWELL	TWP
015	BEALLSVILLE	BOR
020	BENTLEYVILLE	BOR
025	BLAINE	TWP
030	BUFFALO	TWP
035	BURGETTSTOWN	BOR
040	CALIFORNIA	BOR
045	CANONSBURG	BOR
050	CANTON	TWP
055	CARROLL	TWP
060	CECIL	TWP
065	CENTERVILLE	BOR
070	CHARLEROI	BOR
075	CHARTIERS	TWP
080	CLAYSVILLE	BOR
085	COAL CENTER	BOR
090	COKEBURG	BOR
095	CROSS CREEK	TWP
100	DEEMSTON	BOR
105	DONEGAL	TWP
110	DONORA	BOR
115	DUNLEVY	BOR
120	EAST BETHLEHEM	TWP
125	EAST FINLEY	TWP
130	EAST WASHINGTON	BOR
135	ELCO	BOR
140	ELLSWORTH	BOR
145	FALLOWFIELD	TWP
150	FINLEYVILLE	BOR
153	GREEN HILLS	BOR
155	HANOVER	TWP
160	HOPEWELL	TWP
165	HOUSTON	BOR
170	INDEPENDENCE	TWP
175	JEFFERSON	TWP
180	LONG BRANCH	BOR
185	MCDONALD	BOR
190	MARIANNA	BOR
195	MIDWAY	BOR
200	MONONGAHELA	CIT
205	MORRIS	TWP
210	MOUNT PLEASANT	TWP

215	NEW EAGLE	BOR
220	NORTH BETHLEHEM	TWP
225	NORTH CHARLEROI	BOR
230	NORTH FRANKLIN	TWP
235	NORTH STRABANE	TWP
240	NOTTINGHAM	TWP
245	PETERS	TWP
250	ROBINSON	TWP
255	ROSCOE	BOR
260	SMITH	TWP
265	SOMERSET	TWP
270	SOUTH FRANKLIN	TWP
275	SOUTH STRABANE	TWP
280	SPEERS	BOR
285	STOCKDALE	BOR
290	TWILIGHT	BOR
295	UNION	TWP
300	WASHINGTON	CIT
305	WEST ALEXANDER	BOR
310	WEST BETHLEHEM	TWP
315	WEST BROWNSVILLE	BOR
320	WEST FINLEY	TWP
325	WEST MIDDLETOWN	BOR
330	WEST PIKE RUN	TWP

WAYNE

005	BERLIN	TWP
010	BETHANY	BOR
015	BUCKINGHAM	TWP
020	CANAAN	TWP
025	CHERRY RIDGE	TWP
030	CLINTON	TWP
035	DAMASCUS	TWP
040	DREHER	TWP
045	DYBERRY	TWP
050	HAWLEY	BOR
055	HONESDALE	BOR
060	LAKE	TWP
065	LEBANON	TWP
070	LEHIGH	TWP
075	MANCHESTER	TWP
080	MOUNT PLEASANT	TWP
085	OREGON	TWP
090	PALMYRA	TWP
095	PAUPACK	TWP
100	PRESTON	TWP
105	PROMPTON	BOR
110	SALEM	TWP
115	SCOTT	TWP
120	SOUTH CANAAN	TWP
125	STARRUCCA	BOR
130	STERLING	TWP
135	TEXAS	TWP
140	WAYMART	BOR

WESTMORELAND

005	ADAMSBURG	BOR
010	ALLEGHENY	TWP
015	ARNOLD	CIT
020	ARONA	BOR
025	AVONMORE	BOR
030	BELL	TWP
035	BOLIVAR	BOR
040	COOK	TWP
043	DELMONT	BOR
045	DERRY	BOR
050	DERRY	TWP
055	DONEGAL	BOR
060	DONEGAL	TWP
065	EAST HUNTINGDON	TWP
070	EAST VANDERGRIFT	BOR
075	EXPORT	BOR
080	FAIRFIELD	TWP

090	GREENSBURG	CIT
095	HEMPFIELD	TWP
100	HUNKER	BOR
105	HYDE PARK	BOR
110	IRWIN	BOR
115	JEANNETTE	CIT
120	LATROBE	BOR
123	LAUREL MOUNTAIN	BOR
125	LIGONIER	BOR
130	LIGONIER	TWP
135	LOWER BURRELL	CIT
140	LOYALHANNA	TWP
145	MADISON	BOR
150	MANOR	BOR
155	MONESSEN	CIT
160	MOUNT PLEASANT	BOR
165	MOUNT PLEASANT	TWP
166	MURRAYSVILLE(MUN.OF	BOR
170	NEW ALEXANDRIA	BOR
175	NEW FLORENCE	BOR
180	NEW KENSINGTON	CIT
183	NEW STANTON	BOR
190	NORTH BELLE VERNON	BOR
195	NORTH HUNTINGDON	TWP
200	NORTH IRWIN	BOR
205	OKLAHOMA	BOR
210	PENN	BOR
215	PENN	TWP
220	ROSTRAVER	TWP
225	ST CLAIR	TWP
230	SALEM	TWP
235	SCOTTDALE	BOR
240	SEWARD	BOR
245	SEWICKLEY	TWP
250	SMITHTON	BOR
255	SOUTH GREENSBURG	BOR
260	SOUTH HUNTINGDON	TWP
265	SOUTHWEST GREENSBUR	BOR
270	SUTERVILLE	BOR
275	TRAFFORD	BOR
280	UNITY	TWP
285	UPPER BURRELL	TWP
290	VANDERGRIFT	BOR
295	WASHINGTON	TWP
300	WEST LEECHBURG	BOR
305	WEST NEWTON	BOR
310	YOUNGSTOWN	BOR
315	YOUNGWOOD	BOR

WYOMING

005	BRAINTRIM	TWP
010	CLINTON	TWP
015	EATON	TWP
020	EXETER	TWP
025	FACTORYVILLE	BOR
030	FALLS	TWP
035	FORKSTON	TWP
040	LACEYVILLE	BOR
045	LEMON	TWP
050	MEHOOPANY	TWP
055	MESHOPPEN	BOR
060	MESHOPPEN	TWP
065	MONROE	TWP
070	NICHOLSON	BOR
075	NICHOLSON	TWP
080	NORTH BRANCH	TWP
085	NORTHMORELAND	TWP
090	NOXEN	TWP
095	OVERFIELD	TWP
100	TUNKHANNOCK	BOR
105	TUNKHANNOCK	TWP
110	WASHINGTON	TWP
115	WINDHAM	TWP

YORK

005	CARROLL	.TWP
010	CHANCEFORD	.TWP
015	CODORUS	.TWP
020	CONEWAGO	.TWP
025	CROSS ROADS	.BOR
030	DALLASTOWN	.BOR
035	DELTA	.BOR
040	DILLSBURG	.BOR
045	DOVER	.BOR
050	DOVER	.TWP
055	EAST HOPEWELL	.TWP
060	EAST MANCHESTER	.TWP
065	EAST PROSPECT	.BOR
070	FAIRVIEW	.TWP
077	FAWN	.TWP
080	FAWN GROVE	.BOR
085	FELTON	.BOR
092	FRANKLIN	.TWP
095	FRANKLINTOWN	.BOR
100	GLEN ROCK	.BOR
105	GOLDSBORO	.BOR
110	HALLAM	.BOR
115	HANOVER	.BOR
120	HEIDELBERG	.TWP
125	HELLAM	.TWP
130	HOPEWELL	.TWP
135	JACKSON	.TWP
140	JACOBUS	.BOR
145	JEFFERSON	.BOR
150	LEWISBERRY	.BOR
155	LOGANVILLE	.BOR
160	LOWER CHANCEFORD	.TWP
165	LOWER WINDSOR	.TWP
170	MANCHESTER	.BOR
175	MANCHESTER	.TWP
180	MANHEIM	.TWP
185	MONAGHAN	.TWP
190	MOUNT WOLF	.BOR
193	NEWBERRY	.TWP
195	NEW FREEDOM	.BOR
200	NEW SALEM	.BOR
210	NORTH CODORUS	.TWP
215	NORTH HOPEWELL	.TWP
220	NORTH YORK	.BOR
225	PARADISE	.TWP
230	PEACH BOTTOM	.TWP
235	PENN	.TWP
240	RAILROAD	.BOR
245	RED LION	.BOR
250	SEVEN VALLEYS	.BOR
255	SHREWSBURY	.BOR
260	SHREWSBURY	.TWP
265	SPRINGETTSBURY	.TWP
270	SPRINGFIELD	.TWP
275	SPRING GARDEN	.TWP
280	SPRING GROVE	.BOR
285	STEWARTSTOWN	.BOR
290	WARRINGTON	.TWP
295	WASHINGTON	.TWP
300	WELLSVILLE	.BOR
305	WEST MANCHESTER	.TWP
310	WEST MANHEIM	.TWP
315	WEST YORK	.BOR
320	WINDSOR	.BOR
325	WINDSOR	.TWP
330	WINTERSTOWN	.BOR
335	WRIGHTSVILLE	.BOR
340	YOE	.BOR
345	YORK	.CIT
350	YORK	.TWP
355	YORKANA	.BOR
360	YORK HAVEN	.BOR

APPENDIX B
Physical Weatherization Measures

WATER HEATING

- 01 Faucet Aerator-Bath
- 02 Faucet Aerator-Kitchen
- 03 Low Flow Showerhead
- 04 Water Htr Jacket R-11
- 05 Pipe Insulation
- 06 Tank Temp Setback
- 07 Leaky Faucet Repair
- 08 Test/Replace Elements
- 09 Water Heater Replace
- 10 Water Heater Jacket R-8
- 94 Repair Hot Water Leaks/
Plumbing Repairs
- G1 Gravity Fill Exchange Installed
- H1 Heat Tape
- F1 Faucet Replacement

INFILTRATION CONTROL—GENERAL

- 11 Infiltrat. Wk Inc Blow. Dr
- 12 Infiltrat. Wk Exc Blow. Dr
- 13 Blower Door Test
- 14 Caulking - General Infiltration
- 15 Switch & Outlet Gskt
- 16 Air Conditioner Cover
- 70 Wall Insulation – General Infiltration
- C4 Create Attic Hatch

INFILTRATION CONTROL—EXTERIOR DOOR

- 17 Sweep
- 18 Weatherstrip – Exterior Door
- 19 Fix Lock Exterior Door
- 20 Replace Lock Exterior Door
- 21 Repair Exterior Door
- 22 Replace Exterior Door
- 23 Construct Exterior Door
- 24 Storm Door

**INFILTRATION CONTROL—INTERIOR DOOR
BETWEEN TWO HEATED AREAS**

- 25 Weatherstrip – Interior Door
- 26 Replace Lock Interior Door
- 27 Construct Interior Door Between Two Heated
Areas

**INFILTRATION CONTROL—INTERIOR DOOR
BETWEEN A HEATED AND NON-HEATED
AREA**

- 28 Construct – Interior Door between Heat and
Non-heated Areas
- 29 Insulate W/Rigid Bd

INFILTRATION CONTROL—PRIME WINDOW

- 30 Replaced Cracked Glass W/Glaze - Prime
Window
- 31 Reglaze Only - Prime Window
- 32 Repair/Replace Sash - Prime Window
- 33 Replacement Window - Prime Window
- D3 Window Quilt - Prime Window
- W2 Window Film - Prime Window

INFILTRATION CONTROL—STORM WINDOW

- 34 Interior Storm Window
- 35 Ext Storm Window Repair
- 73 Install Ext Storm Window

MOBILE HOME

- 36 Install Combination Door/Storm – Mobile Home
- 37 Replace Ext Prime Door – Mobile Home
- 38 Install Storm Windows – Mobile Home
- 39 Replace Prime Windows – Mobile Home
- 40 Skirting – Mobile Home
- 41 Roof Coating – Mobile Home
- 95 Ceiling Insulation – Mobile Home
- 96 Floor Insulation – Mobile Home
- 97 Wall Insulation – Mobile Home
- 98 Install Roof Cap – Mobile Home
- 99 Install Zone Heating System – Mobile Home

ATTIC INSULATION

- 42 Non Facd Batt Fbgls R-19 – Attic
- 43 Blown Insulation R-8 – Attic
- 44 Blown Insulation R-10 – Attic
- 45 Blown Insulation R-19 – Attic
- 46 Blown Insulation R-20 – Attic
- 47 Blown Insulation R-25 – Attic
- 48 Blown Insulation R-27 – Attic
- 49 Blown Insulation R-30 – Attic
- 50 Blown Insulation R-38 – Attic
- R4 R-44 Ceiling Insulation
- 51 Hatch Boxing – Attic
- 52 Attic Acc/No Stairs – Attic
- 53 Attic Acc/Fold.Stairs – Attic
- 54 Recessed Lighting Boxing – Attic
- 55 Add Roof Vent – Attic
- 56 Add Soffit Vent – Attic
- 57 Soffit Chutes – Attic

FLOOR INSULATION

- 58 Facd Bat Fbgl R-11 16" – Floor
- 59 Facd Bat Fbgl R-19 16" – Floor
- 60 Facd Bat Fbgl R-19 24" – Floor

FLOOR INSULATION OVER UNCONDITIONED AREA

- 61 Facd Bat Fbgl R-11 16" - Floor over Unconditioned Area
- 62 Install Vapor Bar Crawl Space - Floor over Unconditioned Area

STILL BOX INSULATION

- 63 Facd Bat Fbgl R-11 16"

INTERIOR FOUNDATION INSULATION

- 64 Facd Bat Fbgl R-19 24" - Foundation
- K1 Insulate Knee Wall - Foundation

GARAGE INSULATION MEASURE

- 65 Thermax Board - Garage
- 66 Facd Bat Fbgl R-19
- 74 Other Insulation - Garage

DENSE PACK CANTILEVER

- DP Dense Pack Cantilever

MISCELLANEOUS REPAIRS

- 68 Misc Repairs /Measure/Chimney/Windows/Electrical Repairs
- 69 Off Peak Rate, Time of day Conversions
- 90 Roof Repairs: General
- 91 Interior Repairs - Floor, Wall, Ceiling
 - Repair Floor Under Bath
 - Repair Wall Plaster
 - Repair Ceiling Plaster
 - Pre-Air Sealing Repairs
- 92 Exhaust Vents:
 - Replace/Install Kitchen and Bathroom Exhaust Fan
 - Vent Exhaust Fans Outdoors
- 93 Dryer Vents:
 - Install Vent Duct and Hood Connect Duct to Hood
- C2 Ceiling Fan
- C3 Clothes Line

FURNACE WORK

- 80 Heating System/Furnace Repairs & Retrofits
- 81 Efficiency Test (CO2)
- 82 Furnace Sizing
- 83 Duct Work Sizing & Repair
- 84 Duct Work Insulation
- 85 Burner Replacement
- 86 Boiler Replacement
- 87 Heat Exchanger Replacement
- 88 Furnace/Heating System Replacement
- 67 Baseboard Repair/Replacement
- 89 Furnace Maintenance:

FURNACE WORK (cont.)

- Tune-Up
 - Replace Filters
 - Replace Thermocouple\Clean Blower
- F2 Furnace Filter

AUDIT

- 71 Pre-Audit/Audit Inc. Blow Dr.
- 72 Pre-Audit/Audit Exc. Blow Dr.
- 7A Walk-Through Audit, Inc. Blow Dr.
- 7B Walk-Through Audit, Exc. Blow Dr.

APPLIANCE/LIGHTING

- 75 Change out Refrigerator/Freezer
- 76 Change out Air Conditioner
- 77 Change out Other Appliance
- 78 Install Efficient Lighting/Fixtures (CFL)
[Note: Provide the count and type of CFLs installed on supplemental spreadsheet, if available.]
- 7C Other Appliance Efficiency Improvements
- LD Install LED
[Note: Provide the count and type of LEDs installed on supplemental spreadsheet, if available.]
- 7D Waterbed Retrofit
- 7F Window Air Conditioner Unit
[Note that code 7F (Window A/C Unit) is to be used only if there is no prior existing air conditioner]
- 7G Air Conditioner Filter
- 7H Appliance/Air Conditioner Timer
- 7K Energy Star Dehumidifier
- 7M Smart Plug

COOLING/HEATING SYSTEM

- A1 Cooling System Maintenance, Repair and Retrofit
- A2 Cooling System Replacement
- F5 Heat Pump Water Heater

THERMOSTAT

- B1 Thermostat (Regular)—Recalibrate/Relocate/Replace
- B2 Install Setback Thermostat

HEALTH AND SAFETY MEASURES

- CM Carbon Monoxide Detector
- SA Smoke Alarms
- HS Health and safety measures (not reported under other codes)
- MR Municipal Requirement

MISCELLANEOUS

- C1 Miscellaneous Measures/Multi-family
- OZ Miscellaneous Measures not accounted for under any other code
- SW Solar Water Maintenance
- 00 No Other Measures Installed

APPENDIX C
SUPPLEMENTAL OCCUPATION CODING INFORMATION

1 Executive, Administrative, and Managerial Occupations

Officials and administrators, public administration officials and administrators, other
Management related occupations

2 Professional Specialty Occupations

Engineers and natural scientists
Architects
Engineers
Surveyors
Natural scientists and mathematicians
Health diagnosing occupations
Health assessment and treating occupations
Teachers, elementary and secondary schools
Other teachers, librarians, and counselors
Social Scientists and urban planners
Social, recreation, and religious workers
Lawyers and judges
Writers, artists, entertainers, and athletes

3 Technicians and Related Support Occupations

Health technologists and technicians, except licensed practical nurses
Licensed practical nurses
Technologists and technicians, except health

4 Sales Occupations

Supervisors and proprietors, sales occupations, except self-employed
Sales representatives, commodities and financial
Sales workers, commodities and services, retail trade
Sales workers, commodities and service, except retail trade
Cashiers
Sales related occupations

5 Administrative Support Occupations, Including Clerical

Supervisors, administrative support occupation, including clerical
Computer equipment operators
Secretaries, stenographers, and typists
Bookkeepers
Financial records processing occupations, except bookkeepers
Mail and message distributing occupations
Material recording, scheduling, and distributing occupations
Other administrative support occupations, including clerical

6 Private Household Occupations

7 Protective Service Occupations

Police and firefighters
Guards
Other Protective Services

8 Service Occupations, except Protective and Household

Food service occupations
Health service occupations
Cleaning and building service occupations, except household
Personal service occupations

9 Farming, Forestry, and Fishing Occupations

Farm operators and managers
Farm occupations, except managers
Related agricultural workers
Forestry and logging occupations
Fishers, hunters, and trappers

10 Precision Production, Craft, and Repair Occupations

Auto mechanics and repairers
Mechanics and repairers, except auto
Carpenters
Construction trades, except carpenters
Extractive occupations
Precision production occupations
 Supervisors, production workers
 Precision metal working occupations
 Plant and System operators
 Other precision production occupations

11 Machine Operators, Assemblers, and Inspectors

Machine operators and tenders, except precision
Fabricators, assemblers, and hand-working occupations
Production inspectors, testers, samplers, and weighers

12 Transportation and Material Moving Equipment Operators

Motor vehicle operators
Transportation operators, except motor vehicle
Material moving equipment operators

13 Handlers, Equipment Cleaners, Helpers, and Laborers

Helpers
Construction laborers
Freight, stock, and material handlers
Vehicle washers and equipment cleaners
Miscellaneous manual occupations

APPENDIX D
Historic Record of LIURP Coding Changes

Coding Addendum for Jobs Beginning January 1, 1990

1. Variables Required for 1990 and Forward which were not Required for 1988 and 1989

Variables # 401 through 435 were optional for 1988 and 1989 data, but are required for 1990 through 1999. These variables are: BLSPRE1, BLEPRE12, ANULSUMB, SERTYPEF, BLSPOS1, BLEPOS12, ANULSUMF, SUPHEATF, SUPAMTF, AIRF, AIRAMTF, SPECPRGB, and SPECPRGA. Check "Coding Changes for the 2000 Program Year" to determine which variables are currently required and which are optional.

Coding Addendum for Jobs Beginning January 1, 1994

1. Jobs for which no services were provided or no measures were installed beyond the first Visit

It is no longer a requirement to include in the data set cases for which no measures were installed and no services were provided beyond the first visit (pre-audit, audit, etc.). Instead, it is preferred that the costs for these cases be reported in Table One, submitted separately to the BCS, and not in the data set. These costs should be reported as a separate line item in Table One, under "No Measures Installed Job Costs." If it is not possible to report these costs separately in Table One, they must be included in the LIURP data set. Note that it is possible to do both: report the costs in Table One and include the cases in the LIURP data set. Each company must inform the BCS in a cover letter accompanying their data submission of the option chosen.

If one or more measures is provided beyond the first visit but the job is not finished, continue to report these cases and code them as "incomplete" under the variable STATUS.

2. Required and Optional Variables

Several variables which were previously required are now optional. If a company chooses to not report these variables, code the variable for each case as a single "M" for Missing or N/A.

3. Newly Added Required Variables

Six new variables were added to the 1994 edition of the codebook. These variables are numbered 601-606 and are in columns 1010-1025. These variables are required for all cases beginning on or after January 1, 1994 through December 31, 1999, and are listed below. Full definitions and coding instructions have been added to the codebook.

TERMPRE (Variable # 601)
TERMPOST (Variable # 602)
PAYPRE (Variable # 603)

PAYPOST (Variable # 604)
PILOT (Variable # 605)
CONTRACT (Variable # 606)

4. Newly Added Values for Previously Existing Variables

New responses have been added to several variables. Coded values for these responses were added to the coding instructions for the variables listed below. Note that there are no changes in the previously existing coded responses for these variables, for data reported prior to the 1994 program year.

INCSORCE (Variable # 169)
OTHRINC (Variable # 170)
MOREINC (Variable # 171)
NORMETH (Variable # 307)

5. Changes to Values for Measures Variables

Several new measures have been added to the available responses for MEASR1-MEASR20, and some changes were made to the existing coded responses. These changes are included in Appendix B.

6. Variables with Modified Coding Instructions

The coding instructions have been modified for several variables to account for situations that arose in past data sets. These variables are listed below.

PAYHOME (Variable # 175)
AGE1-AGE7 (Variable # 180 - 186)
CODEBOOK (Variable # 301)

7. Variables with Expanded Range Checks

The following variables have expanded upper limits for their range checks, thus reducing the number of values which would be reported as "outliers."

YEAR (Variable #002)
ADJPRE (Variable # 081)
ADJPOS (Variable # 082)

Coding Addendum for 1998 or 1999 Program Year Data and Later

1. Change from 2 Digit to 4 Digit YEAR

Beginning with either the 1997 or 1998 program year data, all codes for years should be converted from 2 to 4 digits. For example, SERTDATEB = 11/15/99 **becomes 11/15/1999**. The date variables are listed below:

YEAR (Variable #002)
SERDATEB (Variable #095)
SERDATEF (Variable #096)
EDDATE B (Variable #157)
EDDATEF (Variable #158)
BLSPRE1 (Variable #401)

BLEPRE1-12 (Variables #402-413)

If it is not possible to make this conversion, contact John Shingler at the CSIS Project for approval.

Coding Addendum for Jobs Beginning January 1, 2000

The following coding rules are for jobs beginning January 1, 2000, to be reported in April, 2002.

1. Order of Variables in the Codebook

In this edition of the codebook, variables are no longer presented in the same order as in previous versions. Variables are now grouped according to common subject matter (for example, all the education variables are now grouped together, all the supplemental heat variables are grouped together, and so forth). Note that the order of the variables in the database has not changed. The original variable numbers and columns have also been retained to indicate the correct position of the variables in the database. Variables are still listed in the order in which they appear in the database in Appendix E.

2. Required and Optional Variables

Several variables which were previously required are now optional. If a company chooses not to report these variables, code the variable for each case as a single “M” for Missing. Do not leave the columns for these variables blank. Variables which were previously required and are not optional are listed below. (Index Three contains a list of all optional and required variables.)

MCD	REMVISIT	SUPHEATB
MISPAY1	REMCONT	SUPAMTB
MISPAY2	NUMROOM	AIRB
PARTPAY1	OTHRINC	AIRF
PARTPAY2	OCCHHEAD	AIRAMTB
FULLPAY1	EMPLOY	AIRAMTF
FULLPAY2	PAYHOME	BLSPRE1
SERDATEB	AGE1-AGE7	SERTYPEF
EDDATEB	SEX	SUPHEATF
EDDATEF	RACE	TERMPRE
EDCON	EDUCATE	TERMPOS
HOMECONT		

3. Newly Added and Discontinued Variables

One new variable has been added to the 2000 program year codebook. This variable replaces a previously existing variable, which has been discontinued. This variable is required for cases beginning on or after January 1, 2000, to be reported in April, 2002. Full definitions and coding instructions have been added to the codebook.

New Variable
RENEWABL (now column 740)

Replaces
CODEBOOK (formerly column 730)

4. Variables with Modified or New Definitions

The definitions of the following variables have been modified to account for new data reporting needs.

SPECPRGB now applies only to customers' enrollment in Customer Assistance Programs (CAPs) in either the pre- or post-LIURP period.

SPECPRGA now applies only to customers' enrollment status in Customer Choice and Competition in either the pre- or post-LIURP period.

NUMRES no longer applies to the total number of residents in a dwelling, but instead to the number of residents who are under 18 years of age.

AGE is no longer defined as the age of the head of household, but instead as the number of residents in the dwelling who are over the age of 62.

5. Changes to Measure Variables

It is no longer necessary to report Measures in order, from most expensive to least.

6. Newly Added or Changed Coding Values for Previously Existing Variables

New coded responses have been added to several existing variables. In many cases, these changes have been made to make coding consistent with Universal Services Reporting Requirements. These variables are listed below:

FUNDSORC (Variable #306)	PILOT (Variable #605)
AGE (Variable #176) (see #4 above)	SERTYPEB (Variable #007)
INCSORCE (Variable #169)	ANULSUMB (Variable #414)
OTHRINC (Variable #170)	ANULSUMF (Variable #429)
MOREINC (Variable #171)	NUMRES (Variable #165) (see #4 above)

In addition, previously coded values have been collapsed for the following variables. For each variable, rules are provided in the Codebook for collapsing old codes into new codes.

STATUS (Variable #202)
HOUSETP (Variable #167)
OWNRENT (Variable #174)

7. Variables with Expanded Range Checks

The following variables have expanded upper limits for their range checks, thus reducing the number of values to be reported as "outliers."

HOUSEAGE (Variable #199) has had its upper range increased to 1998.
INCOME (Variable #168) has had its upper range increased to \$48,000.

Coding Revisions Made September, 2003

Coding instructions have been updated for NORMETH (Variable 307).

Several new Measure codes have been added (see Variables 097-156, MEASR1-MEASR20) for specific company programs.

Definitions and coding instructions have been updated for ADJPRE and ADJPOST (Variables 081 and 082).

Coding Addendum for Jobs Beginning January 1, 2005

The following coding rules are required for jobs beginning January 1, 2005, to be reported in April, 2007. These codes are optional for jobs occurring prior to this.

New Coded Values for EXADJPOS

Two new values have been added to the variable EXADPOS. These values are required for jobs beginning January 1, 2005 and are optional for jobs completed prior to that date. The values are:

- 6 - Completed Job did not receive full array of intended measures.
- 7 - Energy usage increased in post period for valid reason.

New Coded Values for MEASURES

The following 13 codes have been added to the 20 available MEASURES variables (MEASR1 through MEASR20, located in Appendix B: Physical Weatherization Measures VAR097 - VAR056. Each code has been added to the list under its appropriate sub-category.

<u>Value</u>	<u>Measure</u>	<u>Sub Category</u>
C2	Ceiling Fan	Misc. Repairs
C3	Clothes Line	Misc. Repairs
C4	Create Attic Hatch	Infiltration General
D3	Window Quilt	Infiltration Control – Prime Window
F1	Faucet Replacement	Water Heating
F2	Furnace Filter	Furnace Work
G1	Gravity Fill Exchange Installed	Water Heating
H1	Heat Tape	Water Heating
K1	Insulate Knee Wall	Interior Foundation Insulation
W2	Window Film	Infiltration Control – Prime Window
7F	Window Air Conditioning Unit	Appliance/Lighting
7G	Air Conditioner Filter	Appliance/Lighting
7H	Appliance/Air Conditioner Timers	Appliance/Lighting

Note that code 7F (Window A/C Unit) is to be used only if there is no prior existing window air conditioner. This code is intended to be used when a window air conditioning unit is installed to replace an inefficient central air conditioning system, which is disconnected.

Coding Addendum for Jobs Beginning January 1, 2011

The October 2012 edition of the Codebook contained a new value for the variable EXADJPOS (annual usage data status for the post-period). A value of zero was added for any cases that did not receive the full array of intended measures due to customer refusal, but should not be excluded from analyses. Previously all cases that did not receive a full array of intended measures were coded as EXADJPOS = 6 and were excluded from analyses. Companies were requested to retain a list of refused measures for any cases with EXADJPOS = 0.

EXADJPOS ANNUAL USAGE DATA STATUS FOR POST-PERIOD (Required)

NOTE: Use this variable to indicate whether reported data for the post-period is accurate and complete, and therefore should be used for energy analysis. The general rule is that every effort should be made to provide accurate usage data.

CODING: Code as follows:

- 0 – Completed job did not receive full array of intended Measures, due to client refusal,
include in analysis (code STATUS as 1) (Keep list of measures refused)
- 1 - Accurate and complete data was reported
- 2 - Data may be incomplete or inaccurate because of non-continuous service
- 3 - Data may be incomplete or inaccurate because of zero usage for one or more months
- 4 - Data may be incomplete or inaccurate because of insufficient number of actual meter reads
- 5 - Data not reported because of ratepayer change before the last month of the post-LIURP period
- 6 - Completed job did not receive full array of intended measures, do not include in analyses (code STATUS as 2)
- 7 - Energy usage increased in post period for valid reason
- 9 - Other (retain notes)
- M - Missing, N/A

Coding Revisions Made May 2013

Updated company names for the variable COMPANY,

Updated coding rules for the variable EXADJPOS (annual usage data status for the post-period), to be applied to jobs that do not receive the full array of intended measures but should not be excluded from analyses,

Updated coding for the variable FUNDSORC, to account for LIURP jobs in combination with Act 129 jobs.

Coding Revisions Made October 2014

Prepared instructions for reporting supplemental data files (separate document).

Updated coding ranges to identify outliers for various variables throughout the Codebook

Updated weather normalization notes (pages 3 and 18).

Updated data reporting notes (pages 4 and 5).

Added 4 = BTU to coding for the variable UNIT (page 13).

Added coding notes for CONTRACT (page 14).

Changed coding for Special Payment Program (SPECPRGB) to pre-period only. Request post-period information to be included in supplemental data file (page 27).

Expanded coding notes for reporting weatherization measures (MEASR1–20) (page 31).

Added note for reporting supplemental data for the variable HOUSETP (page 40).

Expanded the coding for Housing Type (HOUSETP) (page 40) to:

- 1 - 1 ½ , 2 or more story single family
- 2 - Ranch, single level
- 3 - Bi-level or split level
- 4 - Mobile home (half or more heated living space is the mobile home)
- 5 - Row house, inside of row
- 6 - Row house, end of row
- 7 - Duplex or condominium with two units
- 8 - Multi-family, including condo, with three or more units
- 9 - Other
- 10 - Manufactured, modular housing

Added the following values to SUPHEATB and SUPHEATF (pages 43 and 44):

09 = Pellet stove

10 = Electric space heater

Added coding notes for reporting specific weatherization measures (page 60).

Added the following new MEASR codes (page 60):

LD = LED Lighting

HS = Health and Safety Measures

CM = Carbon Monoxide Detector

SD = Smoke Alarms

Added coding noted for MEASR = 78 (page 60).

Changed the following variables from Optional to Required:

EDDATEB	DATE EDUCATION SERVICE BEGIN (MMDDYYYY) (page 34)
EDDATEF	DATE EDUCATION SERVICE FINISH (MMDDYYYY) (page 34)
EDCON	TOTAL OF ALL CONSUMER EDUCATION CONTACTS (page 34)
HOMECONT	NUMBER OF IN-HOME EDUCATION CONTACTS (page 34)
REMVISIT	NUMBER OF IN-HOME REMEDIAL EDUCATION CONTACTS (page 34)
REMCONT	NUMBER OF NON-HOME REMEDIAL EDUCATION CONTACTS (page 35)
EDCOST	TOTAL COST OF PROVIDING CONSERVATION EDUCATION (page 35)
EMPLOY	EMPLOYMENT STATUS OF HEAD OF HOUSEHOLD (page 38)
HOUSEAGE	YEAR MAJOR PORTION OF HOUSE WAS CONSTRUCTED (page 41)
SUPHEATB	PRIMARY SOURCE OF SUPPLEMENTAL HEAT IN PRE-PERIOD (page 43)
SUPHEATF	PRIMARY SOURCE OF SUPPLEMENTAL HEAT IN POST-PERIOD (page 44)

Coding Revisions Made September 2015

- Added 6 = Dekatherms to coding for the variable UNIT (page 13).
- Changed upper limit of error checking range for PBILL 1-12 (page 17) and PAYHOME (page 40).
- Added 99 = Other for HOUSETP (page 40).
- Added a coding note from March 1995 for SPACE (page 41).

APPENDIX E
List of Variables in Order of Appearance in Data Set

001	COMPANY	COMPANY I.D. CODE # (Required)	1-2
002	YEAR	PROGRAM YEAR FOR WEATHERIZATION (Required)	3-6
003	CUSTNUM	CUSTOMER ACCOUNT NUMBER (Required)	7-32
004	ZIPCODE	ZIP CODE FOR THE RESIDENCE (Required)	33-37
005	COUNTY	COUNTY OF RESIDENCE (Required)	38-40
006	MCD	MINOR CIVIL DIVISION (Optional)	41-43
007	SERTYPEB	TYPE OF WEATHERIZATION JOB – PRE PERIOD (Required)	44
008	CLASS	CUSTOMER CLASS OF SERVICE PRE PERIOD (Required)	45
009-020		MONTHLY USE OF SERVICE IN THE PRE PERIOD (Optional)	46-117
009	PREUSE1	KWH/MCF IN FIRST MONTH (BILLING PERIOD) OF PRE PERIOD	46-51
010	PREUSE2	KWH/MCF IN 2 ND MONTH (BILLING PERIOD) OF PRE PERIOD	52-57
011	PREUSE3	KWH/MCF IN 3 RD MONTH (BILLING PERIOD) OF PRE PERIOD	58-63
012	PREUSE4	KWH/MCF IN 4 TH MONTH (BILLING PERIOD) OF PRE PERIOD	64-69
013	PREUSE5	KWH/MCF IN 5 TH MONTH (BILLING PERIOD) OF PRE PERIOD	70-75
014	PREUSE6	KWH/MCF IN 6 TH MONTH (BILLING PERIOD) OF PRE PERIOD	76-81
015	PREUSE7	KWH/MCF IN 7 TH MONTH (BILLING PERIOD) OF PRE PERIOD	82-87
016	PREUSE8	KWH/MCF IN 8 TH MONTH (BILLING PERIOD) OF PRE PERIOD	88-93
017	PREUSE9	KWH/MCF IN 9 TH MONTH (BILLING PERIOD) OF PRE PERIOD	94-99
018	PREUSE10	KWH/MCF IN 10 TH MONTH (BILLING PERIOD) OF PRE PERIOD	100-105
019	PREUSE11	KWH/MCF IN 11 TH MONTH (BILLING PERIOD) OF PRE PERIOD	106-111
020	PREUSE12	KWH/MCF IN 12 TH MONTH (BILLING PERIOD) OF PRE PERIOD	112-117
		BLANK	118
021-032		BILL CODE FOR THE PRE PERIOD (Optional)	119-130
021	PREE1	PREUSE1 BILL CODE	119
022	PREE2	PREUSE2 BILL CODE	120
023	PREE3	PREUSE3 BILL CODE	121
024	PREE4	PREUSE4 BILL CODE	122
025	PREE5	PREUSE5 BILL CODE	123
026	PREE6	PREUSE6 BILL CODE	124
027	PREE7	PREUSE7 BILL CODE	125
028	PREE8	PREUSE8 BILL CODE	126
029	PREE9	PREUSE9 BILL CODE	127
030	PREE10	PREUSE10 BILL CODE	128
031	PREE11	PREUSE11 BILL CODE	129
032	PREE12	PREUSE12 BILL CODE	130
		BLANK	131

069-080		MONTHLY BILL FOR SERVICE IN THE POST PERIOD (Optional)	279-338
069	AFBILL1	BILL IN 1 ST MONTH OF POST PERIOD	279-283
070	AFBILL2	BILL IN 2 ND MONTH OF POST PERIOD	284-288
071	AFBILL3	BILL IN 3 RD MONTH OF POST PERIOD	289-293
072	AFBILL4	BILL IN 4 TH MONTH OF POST PERIOD	294-298
073	AFBILL5	BILL IN 5 TH MONTH OF POST PERIOD	299-303
074	AFBILL6	BILL IN 6 TH MONTH OF POST PERIOD	304-308
075	AFBILL7	BILL IN 7 TH MONTH OF POST PERIOD	309-313
076	AFBILL8	BILL IN 8 TH MONTH OF POST PERIOD	314-318
077	AFBILL9	BILL IN 9 TH MONTH OF POST PERIOD	319-323
078	AFBILL10	BILL IN 10 TH MONTH OF POST PERIOD	324-328
079	AFBILL11	BILL IN 11 TH MONTH OF POST PERIOD	329-333
080	AFBILL12	BILL IN 12 TH MONTH OF POST PERIOD	334-338
		BLANK	339
081	ADJPRE	ANNUAL (WEATHER ADJUSTED) USAGE IN THE PRE PERIOD (Required)	340-345
082	ADJPOST	ANNUAL (WEATHER ADJUSTED) USAGE IN THE POST PERIOD (Required)	346-351
		BLANK	352
083 - 084		NUMBER OF MISSED PAYMENTS (Optional)	353-356
083	MISPAY1	NUMBER OF MISSED PAYMENTS, PRE-PERIOD	353-354
084	MISPAY2	NUMBER OF MISSED PAYMENTS, POST-PERIOD	355-356
085 - 086		NUMBER OF PARTIAL PAYMENTS (Optional)	357-360
085	PARTPAY1	NUMBER OF PARTIAL PAYMENTS, PRE-PERIOD	357-358
086	PARTPAY2	NUMBER OF PARTIAL PAYMENTS, POST-PERIOD	359-360
087 - 088		NUMBER OF FULL PAYMENTS (Optional)	361-364
087	FULLPAY1	NUMBER OF FULL PAYMENTS, PRE-PERIOD	361-362
088	FULLPAY2	NUMBER OF FULL PAYMENTS, POST-PERIOD	363-364
089 - 092		AMOUNT OWED (Required)	365-384
089	OWEDPRE1	The amounts owed (past due receivables) at the beginning of month 1 of the pre-period.	365-369
090	OWEDPRE2	The amounts owed at the end of month 12 of the pre-period.	370-374
091	OWEDPOS1	The amounts owed at the beginning of the post-period.	375-379
092	OWEDPOS2	The amounts owed at the end of the post-period.	380-384
093	PREDSAV	PREDICTED ANNUAL ENERGY SAVINGS (Optional)	385-389
094	PREDDOL	PREDICTED ANNUAL DOLLAR SAVINGS (Optional)	390-394
095 - 096		DATE OF PROGRAM SERVICES (Required)	395-410
095	SERDATEB	DATE PROGRAM SERVICES BEGIN (MMDDYYYY)	395-402
096	SERDATEF	DATE PROGRAM SERVICES FINISHED (MMDDYYYY)	403-410

097	MEASR1	WEATHERIZATION MEASURE # 1	411-412
098	MCOST1	MATERIALS COST OF MEASURE # 1	413-416
099	LCOST1	LABOR COST OF MEASURE # 1	417-420
100	MEASR2	WEATHERIZATION MEASURE # 2	421-422
101	MCOST2	MATERIALS COST OF MEASURE # 2	423-426
102	LCOST2	LABOR COST OF MEASURE # 2	427-430
103	MEASR3	WEATHERIZATION MEASURE # 3	431-432
104	MCOST3	MATERIALS COST OF MEASURE #3	433-436
105	LCOST3	LABOR COST OF MEASURE #3	437-440
106	MEASR4	WEATHERIZATION MEASURE #4	441-442
107	MCOST4	MATERIALS COST OF MEASURE #4	443-446
108	LCOST4	LABOR COST OF MEASURE #4	447-450
109	MEASR5	WEATHERIZATION MEASURE #5	451-452
110	MCOST5	MATERIALS COST OF MEASURE #5	453-456
111	LCOST5	LABOR COST OF MEASURE #5	457-460
112	MEASR6	WEATHERIZATION MEASURE #6	461-462
113	MCOST6	MATERIALS COST OF MEASURE #6	463-466
114	LCOST6	LABOR COST OF MEASURE #6	467-470
115	MEASR7	WEATHERIZATION MEASURE #7	471-472
116	MCOST7	MATERIALS COST OF MEASURE #7	473-476
117	LCOST7	LABOR COST OF MEASURE #7	477-480
118	MEASR8	WEATHERIZATION MEASURE #8	481-482
119	MCOST8	MATERIALS COST OF MEASURE #8	483-486
120	LCOST8	LABOR COST OF MEASURE #8	487-490
121	MEASR9	WEATHERIZATION MEASURE #9	491-492
122	MCOST9	MATERIALS COST OF MEASURE #9	493-496
123	LCOST9	LABOR COST OF MEASURE #9	497-500
124	MEASR10	WEATHERIZATION MEASURE #10	501-502
125	MCOST10	MATERIALS COST OF MEASURE #10	503-506
126	LCOST10	LABOR COST OF MEASURE #10	507-510
127	MEASR11	WEATHERIZATION MEASURE #11	511-512
128	MCOST11	MATERIALS COST OF MEASURE #11	513-516
129	LCOST11	LABOR COST OF MEASURE #11	517-520
130	MEASR12	WEATHERIZATION MEASURE #12	521-522
131	MCOST12	MATERIALS COST OF MEASURE #12	523-526
132	LCOST12	LABOR COST OF MEASURE #12	527-530
133	MEASR13	WEATHERIZATION MEASURE # 13	531-532
134	MCOST13	MATERIALS COST OF MEASURE # 13	533-536
135	LCOST13	LABOR COST OF MEASURE # 13	537-540
136	MEASR14	WEATHERIZATION MEASURE # 14	541-542
137	MCOST14	MATERIALS COST OF MEASURE # 14	543-546
138	LCOST14	LABOR COST OF MEASURE # 14	547-550
139	MEASR15	WEATHERIZATION MEASURE # 15	551-552
140	MCOST15	MATERIALS COST OF MEASURE # 15	553-556
141	LCOST15	LABOR COST OF MEASURE # 15	557-560
142	MEASR16	WEATHERIZATION MEASURE # 16	561-562
143	MCOST16	MATERIALS COST OF MEASURE # 16	563-566
144	LCOST16	LABOR COST OF MEASURE # 16	567-570
145	MEASR17	WEATHERIZATION MEASURE # 17	571-572
146	MCOST17	MATERIALS COST OF MEASURE # 17	573-576
147	LCOST17	LABOR COST OF MEASURE # 17	577-580
148	MEASR18	WEATHERIZATION MEASURE # 18	581-582
149	MCOST18	MATERIALS COST OF MEASURE # 18	583-586

150	LCOST18	LABOR COST OF MEASURE # 18	587-590
151	MEASR19	WEATHERIZATION MEASURE # 19	591-592
152	MCOST19	MATERIALS COST OF MEASURE # 19	593-596
153	LCOST19	LABOR COST OF MEASURE # 19	597-600
154	MEASR20	WEATHERIZATION MEASURE # 20	601-602
155	MCOST20	MATERIALS COST OF MEASURE # 20	603-606
156	LCOST20	LABOR COST OF MEASURE # 20	607-610
		BLANK	611
157 - 158		CONSUMER EDUCATION SERVICES DATES (Required)	612-627
157	EDDATEB	DATE EDUCATION SERVICE BEGIN (MMDDYYYY)	612-619
158	EDDATEF	DATE EDUCATION SERVICES FINISH (MMDDYYYY)	620-627
159	EDCON	TOTAL OF ALL CONSUMER EDUCATION CONTACTS (Required)	628-629
160	HOMECONT	NUMBER OF IN-HOME EDUCATION CONTACTS (Required)	630-631
161	REMVISIT	NUMBER OF IN-HOME REMEDIAL EDUCATION CONTACTS (Required)	632-633
162	REMCONT	NUMBER OF NON-HOME REMEDIAL EDUCATION CONTACTS (Required)	634-635
163	EDCOST	TOTAL COST OF PROVIDING CONSERVATION EDUCATION (Required)	636-639
164	SUMCOST	TOTAL DIRECT COST OF PROVIDING LIURP SERVICES (Required)	640-643
165	NUMRES	NUMBER OF RESIDENTS IN THE DWELLING UNDER 18 (Required)	644-645
166	NUMROOM	NUMBER OF ROOMS IN THE DWELLING (Optional)	646-647
167	HOUSETP	TYPE OF DWELLING (Required)	648-649
168	INCOME	ANNUAL HOUSEHOLD INCOME (Required)	650-654
		BLANK	655-658
169	INCSORCE	PRIMARY SOURCE OF HOUSEHOLD INCOME (Required)	659-660
170	OTHRINC	OTHER HOUSEHOLD INCOME SOURCE #1 (Optional)	661-662
171	MOREINC	OTHER INCOME SOURCE #2 (Optional)	663-664
172	OCCHEAD	OCCUPATION OF HEAD OF HOUSEHOLD (Optional)	665-666
173	EMPLOY	EMPLOYMENT STATUS OF HEAD OF HOUSEHOLD (Required)	667-668
174	OWNRENT	DOES CUSTOMER RENT OR OWN DWELLING (Required)	669-670

175	PAYHOME	AMOUNT OF MONTHLY RENT, LEASE OR MORTGAGE (Optional)	671-674
176	AGE	NUMBER OF RESIDENTS IN DWELLING OVER 62 (Required)	675-676
177	SEX	SEX OF HEAD OF HOUSEHOLD (Optional)	677-678
178	RACE	RACE OF HEAD OF HOUSEHOLD (Optional)	679-680
179	EDUCATE	EDUCATION OF HEAD OF HOUSEHOLD (Optional)	681-682
180 - 186		AGES OF OTHER RESIDENTS (Optional)	683-696
180	AGE1	0-09 YRS. OLD (less than 10)	683-684
181	AGE2	10-19 YRS. OLD	685-686
182	AGE3	20-29 YRS. OLD	687-688
183	AGE4	30-39 YRS. OLD	689-690
184	AGE5	40-49 YRS. OLD	691-692
185	AGE6	50-59 YRS. OLD	693-694
186	AGE7	60+ YRS. OLD (60 or more)	695-696
187	SUPHEATB	PRIMARY SOURCE OF SUPPLEMENTAL HEAT IN THE PRE-PERIOD (Required)	697-698
188	SUPAMTB	ESTIMATED CONTRIBUTION OF SUPPLEMENTAL HEAT, PRE-PERIOD (Optional)	699-701
189	SUMAMTB	AMOUNT OF FUEL USED FOR SUPPLEMENTAL HEAT, PRE-PERIOD (Optional)	702-705
190	SUPUNITB	UNITS OF SUPPLEMENTAL FUEL, PRE-PERIOD (Optional)	706
		BLANK	707
191	AIRB	PRESENCE AND TYPE OF AIR CONDITIONING, PRE-PERIOD (Optional)	708-709
192	AIRAMTB	NUMBER OF ROOMS ROUTINELY AIR CONDITIONED, PRE-PERIOD (Optional)	710
193 -194		AMOUNT OF LIHEAP CASH GRANT (Required)	711-716
193	LIHEAPB	AMOUNT OF LIHEAP CASH GRANT, IF ANY, IN THE PRE-PERIOD	711-713
194	LIHEAPF	AMOUNT OF LIHEAP CASH GRANT, IF ANY, DURING THE PERIOD WHEN WEATHERIZATION WAS PERFORMED IN THE POST-PERIOD	714-716
195 - 196		AMOUNT OF LIHEAP CRISIS GRANT (Required)	717-722
195	CRISISB	AMOUNT OF LIHEAP CRISIS GRANT IN PRE-PERIOD	717-719
196	CRISISF	AMOUNT OF LIHEAP CRISIS GRANT, IF ANY, DURING THE PERIOD WHEN WEATHERIZATION WAS PERFORMED AND IN THE POST-PERIOD	720-722

197 - 198		AMOUNT OF OTHER ENERGY GRANT(S) (Required)	723-728
197	OTHERB	TOTAL AMOUNT OF OTHER FUEL GRANT(S) IN PRE-PERIOD	723-725
198	OTHERF	TOTAL AMOUNT OF OTHER FUEL GRANT(S) IN POST-PERIOD	726-728
199	HOUSEAGE	YEAR MAJOR PORTION OF HOUSE WAS CONSTRUCTED (Required)	729 - 732
200	SPACE	APPROXIMATE SQUARE FEET OF HEATED SPACE (Required)	733-736
201	FIREP	PRESENCE OF OPEN FIREPLACE (Optional)	737
202	STATUS	PROGRAM COMPLETION STATUS (Required)	738
		BLANK	739
301	RENEWABL	CUSTOMER PARTICIPATION IN RENEWABLE PILOTS (Required)	740
302	UNIT	UNIT OF MEASURE FOR ENERGY USAGE (Required)	741
303	CLASSF	CUSTOMER CLASS OF SERVICE FOR POST-PERIOD (Required)	742
304	EXADJPRE	ANNUAL USAGE DATA STATUS FOR PRE-PERIOD (Required)	743
305	EXADJPOS	ANNUAL USAGE DATA STATUS FOR POST-PERIOD (Required)	744
306	FUNDSORC	WEATHERIZATION FUNDING SOURCES USED (Required)	745
307	NORMETH	WEATHER NORMALIZATION METHOD USED (Required)	746-747
308	JOBTYPE	TYPE OF WEATHERIZATION JOB – POST PERIOD (Required)	748
		BLANK	749-760
401 - 413 MONTHLY BILLING PERIOD DATES PRE-PERIOD (Optional) 761-864			
401	BLSPRE1	START DATE 1ST MONTHLY BILLING PERIOD PRE	761-768
402	BLEPRE1	END DATE 1ST MONTHLY BILLING PERIOD PRE	769-776
403	BLEPRE2	END DATE 2ND MONTHLY BILLING PERIOD PRE	777-784
404	BLEPRE3	END DATE 3RD MONTHLY BILLING PERIOD PRE	785-792
405	BLEPRE4	END DATE 4TH MONTHLY BILLING PERIOD PRE	793-800
406	BLEPRE5	END DATE 5TH MONTHLY BILLING PERIOD PRE	801-808
407	BLEPRE6	END DATE 6TH MONTHLY BILLING PERIOD PRE	809-816
408	BLEPRE7	END DATE 7TH MONTHLY BILLING PERIOD PRE	817-824
409	BLEPRE8	END DATE 8TH MONTHLY BILLING PERIOD PRE	825-832
410	BLEPRE9	END DATE 9TH MONTHLY BILLING PERIOD PRE	833-840
411	BLEPRE10	END DATE 10TH MONTHLY BILLING PERIOD PRE	841-848
412	BLEPRE11	END DATE 11TH MONTHLY BILLING PERIOD PRE	849-856
413	BLEPRE12	END DATE 12TH MONTHLY BILLING PERIOD PRE	857-864
414	ANULSUMB	ANNUAL SUM OF REVENUE BILLS FOR PRE-PERIOD (Required)	865-870
415	SERTYPEF	CUSTOMER USE OF SERVICE FOR POST-PERIOD (Optional)	871

416 - 428		MONTHLY BILLING PERIOD DATES POST-PERIOD (Optional)	872-967
416	BLSPOS1	START DATE 1ST MONTHLY BILLING PERIOD POST	872-879
417	BLEPOS1	END DATE 1ST MONTHLY BILLING PERIOD POST	880-887
418	BLEPOS2	END DATE 2ND MONTHLY BILLING PERIOD POST	888-895
419	BLEPOS3	END DATE 3RD MONTHLY BILLING PERIOD POST	896-903
420	BLEPOS4	END DATE 4TH MONTHLY BILLING PERIOD POST	904-911
421	BLEPOS5	END DATE 5TH MONTHLY BILLING PERIOD POST	912-919
422	BLEPOS6	END DATE 6TH MONTHLY BILLING PERIOD POST	920-927
423	BLEPOS7	END DATE 7TH MONTHLY BILLING PERIOD POST	928-935
424	BLEPOS8	END DATE 8TH MONTHLY BILLING PERIOD POST	936-943
425	BLEPOS9	END DATE 9TH MONTHLY BILLING PERIOD POST	944-951
426	BLEPOS10	END DATE 10TH MONTHLY BILLING PERIOD POST	952-959
427	BLEPOS11	END DATE 11TH MONTHLY BILLING PERIOD POST	960-967
428	BLEPOS12	END DATE 12TH MONTHLY BILLING PERIOD POST	968-975
429	ANULSUMF	ANNUAL SUM OF REVENUE BILLS FOR POST-PERIOD (Required)	976-981
430	SUPHEATF	PRIMARY SOURCE OF SUPPLEMENTAL HEAT, POST-PERIOD (Required)	982-983
431	SUPAMTF	ESTIMATED CONTRIBUTION OF SUPPLEMENTAL HEAT, POST-PERIOD (Optional)	984-985
432	AIRF	PRESENCE AND TYPE OF AIR CONDITIONING, POST-PERIOD (Optional)	986-987
433	AIRAMTF	NUMBER OF ROOMS ROUTINELY CONDITIONED, POST-PERIOD (Optional)	988
434	SPECPRGB	CAP PAYMENT PROGRAM, PRE- OR POST-PERIOD (Required)	989
435	SPECPRGA	CUSTOMER CHOICE PROGRAM, PRE- OR POST-PERIOD (Required)	990
		BLANK	991-1002
501	SUMAMTF	AMOUNT OF FUEL USED FOR SUPPLEMENTAL HEAT, POST-PERIOD (Optional)	1003-1006
502	SUPUNITF	UNITS OF SUPPLEMENTAL FUEL, POST-PERIOD (Optional)	1007
503-517		BFR WEATHERIZATION MEASURES (Optional)	1008-1057
503	BMEASR1	WEATHERIZATION MEASURE # 1	1008-1009
504	BMCOST1	MATERIALS COST OF MEASURE # 1	1010-1013
505	BLCOST1	LABOR COST OF MEASURE # 1	1014-1017
506	BMEASR2	WEATHERIZATION MEASURE # 2	1018-1019
507	BMCOST2	MATERIALS COST OF MEASURE # 2	1020-1023
508	BLCOST2	LABOR COST OF MEASURE # 2	1024-1027
509	BMEASR3	WEATHERIZATION MEASURE # 3	1028-1029
510	BMCOST3	MATERIALS COST OF MEASURE #3	1030-1033
511	BLCOST3	LABOR COST OF MEASURE #3	1034-1037
512	BMEASR4	WEATHERIZATION MEASURE #4	1038-1039
513	BMCOST4	MATERIALS COST OF MEASURE #4	1040-1043
514	BLCOST4	LABOR COST OF MEASURE #4	1044-1047

515	BMEASR5	WEATHERIZATION MEASURE #5	1048-1049
516	BMCOST5	MATERIALS COST OF MEASURE #5	1050-1053
517	BLCOST5	LABOR COST OF MEASURE #5	1054-1057
518	TOTBFR	BFR TOTAL DIRECT COSTS VARIABLE (Optional)	1058-1061
519	TOTDCA	DCA TOTAL DIRECT COSTS VARIABLE (Optional)	1062-1065
520	TOTOTHR	OTHER WEATHERIZATION TOTAL DIRECT COSTS VARIABLE (Optional)	1066-1069
		BLANK	1070-1071
601	TERMPRE	NUMBER OF SERVICE TERMINATIONS, PRE-PERIOD (Optional)	1072-1073
602	TERMPOS	NUMBER OF SERVICE TERMINATIONS, POST-PERIOD (Optional)	1074-1075
603	PAYPRE	ANNUAL DOLLARS OF CUSTOMER PAYMENTS IN PRE-PERIOD, EXCLUDING ENERGY ASSISTANCE DOLLARS (Required)	1076-1079
604	PAYPOST	ANNUAL DOLLARS OF CUSTOMER PAYMENTS IN POST-PERIOD, EXCLUDING ENERGY ASSISTANCE DOLLARS (Required)	1080-1083
605	PILOT	CUSTOMER ENROLLED IN LIURP PILOT PROGRAM (Required)	1084
606	CONTRACT	PRIMARY CONTRACTOR EMPLOYED BY COMPANY (Required)	1085-1087

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ADJPRE	Annual (Weather Adjusted) Usage in the Pre-Period	081	18
AFBILL	Monthly Bill for Service in the Post-Period	069-080	22
AFTE	Bill Code for the Post-Period	057-068	21
AFTUSE	Monthly Use of Service in the Post-Period	045-056	20
AGE	Number of Residents In Dwelling Over 62	176	36
AGE1-7	Ages of Other Residents	180-186	36
AIRAMTB	Number of Rooms Air Conditioned, Pre-Period	192	41
AIRAMTF	Number of Rooms Air Conditioned, Post-Period	433	42
AIRB	Presence and Type of Air Conditioning, Pre-Period	191	41
AIRF	Presence and Type of Air Conditioning, Post-Period	432	42
ANULSUMB	Annual Sum of Revenue Bills for Pre-Period	414	19
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BLSPOS/BLEPOS	Monthly Billing Period Dates Post-Period	416-428	24
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BMEASR	BFR Weatherization Measures	503-517	32
BMCOST	BFR Weatherization Materials Cost	503-517	32
BLCOST	BFR Weatherization Labor Cost	503-517	32
CLASS	Customer Class of Service for Pre-Period	008	12
CLASSF	Customer Class of Service for Post-Period	303	12
COMPANY	Company I.D. Code #	001	8
CONTRACT	Primary Contractor Employed by Company	606	14
COUNTY	County of Residence	005	9
CRISIS	Amount of LIHEAP CRISIS Grant	195-196	27
CUSTNUM	Customer Account Number	003	8
EDCON	Total of All Consumer Education Contacts	159	34
EDCOST	Total Cost of Providing Conservation Education	163	35
EDDATE	Consumer Education Services Dates	157-158	34
EDUCATE	Education of Head of Household	179	39
EMPLOY	Employment Status of Head of Household	173	38
EXADJPOS	Annual Usage Data Status for Post-Period	305	23
EXADJPRE	Annual Usage Data Status for Pre-Period	304	18
FIREP	Presence of Open Fire Place	201	42
FULLPAY	Number of Full Expected Payments	087-088	25
FUNDSORC	Weatherization Funding Sources Used	306	10
HOMECONT	Number of In-Home Education Contacts	160	34
HOUSEAGE	Year Major Portion of House Was Constructed	199	41
HOUSETP	Type of Dwelling	167	40
INCOME	Annual Household Income	168	36
INCSORCE	Primary Source of Household Income	169	37
JOBTYPE	Type of Weatherization Job	308	12
LIHEAP	Amount of LIHEAP Cash Grant	193-194	26
MCD	Minor Civil Division	006	10
MEASR	Weatherization Measures	097-156	30
MCOST	Weatherization Material Cost	097-156	30
LCOST	Weatherization Labor Cost	097-156	30
MISPAY	Number of Missed Expected Payments	083-084	25
MOREINC	Other Household Income Source #2	171	37
NORMETH	Weather Normalization Method Used	307	11
NUMRES	Number of Residents in the Dwelling Under 18	165	36
NUMROOM	Number of Rooms in the Dwelling	166	40
OCCHEAD	Occupation of Head of Household	172	38
OTHER	Amount of Other Energy Grant(s)	197-198	27
OTHRINC	Other Household Income Source #1	170	37
OWEDPOS	Amount Owed, Post-Period	091-092	26

		Variable #	Page
OWEDPRE	Amount Owed, Pre-Period	089-090	26
OWNRENT	Does Customer Rent or Own Dwelling	174	40
PARTPAY	Number of Partial Expected Payments	085-086	25
PAYHOME	Amount of Monthly Rent, Lease or Mortgage	175	40
PAYPOST	Annual Dollars of Customer Payments, Post-Period	604	28
PAYPRE	Annual Dollars of Customer Payments, Pre-Period	603	28
PBILL	Monthly Bill for Service in the Pre-Period	033-044	17
PREE	Bill Code for the Pre-Period	021-032	16
PREUSE	Monthly Use of Service in the Pre-Period	009-020	15
PILOT	Customer Enrolled in LIURP Pilot Program	605	11
PREDDOL	Predicted Annual Dollar Savings	094	13
PREDSAV	Predicted Annual Energy Savings	093	13
RACE	Race of Head of Household	178	39
REMCONT	Number of Non-Home Remedial Education Contacts	162	35
REMVISIT	Number of In-Home Remedial Education Contacts	161	34
RENEWABL	Customer Participation in Renewable Pilots	301	11
SERDATE	Date of Program Services	095-096	29
SERTYPEB	Customer Use of Service for Pre-Period	007	11
SERTYPEF	Customer Use of Service for Post-Period	415	12
SEX	Sex of Head of Household	177	38
SPACE	Approximate Square Feet of Heated Space	200	41
SPECPRGA	Customer Choice Program, Pre- or Post-Period	435	28
SPECPRGB	CAP Special Payment Program, Pre- or Post-Period	434	27
STATUS	Program Completion Status	202	10
SUMAMTB	Amount of Fuel for Supplemental Heat, Pre-Period	189	43
SUMAMTF	Amount of Fuel for Supplemental Heat, Post-Period	501	45
SUMCOST	Total Direct Cost of Providing LIURP Services	164	32
SUPAMTB	Estimated Contribution of Sup. Heat, Pre-Period	188	43
SUPAMTF	Estimated Contribution of Sup. Heat, Post-Period	431	44
SUPHEATB	Primary Source of Supplemental Heat, Pre-Period	187	43
SUPHEATF	Primary Source of Supplemental Heat, Post-Period	430	44
SUPUNITB	Units of Supplemental Fuel, Pre-Period	190	44
SUPUNITF	Units of Supplemental Fuel, Post-Period	502	45
TERMPOS	Number of Service Terminations, Post-Period	602	28
TERMPRE	Number of Service Terminations, Pre-Period	601	28
TOTBFR	BFR Total Direct Costs Variable	518	33
TOTDCA	DCA Total Direct Costs Variable	519	33
TOTOTHR	Other Weatherization Total Direct Costs Variable	520	33
UNIT	Unit of Measure for Energy Usage	302	13
YEAR	Program Year for Weatherization	002	8
ZIPCODE	Zip Code for the Residence	004	9

REQUIRED VARIABLES

		Variable #	Page
ADJPOST	Annual (Weather Adjusted) Usage in the Post-Period	082	23
ADJPRE	Annual (Weather Adjusted) Usage in the Pre-Period	081	18
AGE	Number of Residents In Dwelling Over 62	176	36
ANULSUMB	Annual Sum of Revenue Bills for Pre-Period	414	19
ANULSUMF	Annual Sum of Revenue Bills for Post-Period	429	24
CLASS	Customer Class of Service for Pre-Period	008	12
CLASSF	Customer Class of Service for Post-Period	303	12
COMPANY	Company I.D. Code #	001	8
CONTRACT	Primary Contractor Employed by Company	606	14
COUNTY	County of Residence	005	9
CRISIS	Amount of LIHEAP CRISIS Grant	195-196	27
CUSTNUM	Customer Account Number	003	8
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EMPLOY	Employment Status of Head of Household	173	38
EXADJPOS	Annual Usage Data Status for Post-Period	305	23
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FUNDSORC	Weatherization Funding Sources Used	306	10
HOMECONT	Number of In-Home Education Contacts	160	34
HOUSEAGE	Year Major Portion of House Was Constructed	199	41
HOUSETP	Type of Dwelling	167	40
INCOME	Annual Household Income	168	36
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JOBTYPE	Type of Weatherization Job	308	12
LIHEAP	Amount of LIHEAP Cash Grant	193-194	26
MEASR	Weatherization Measures	097-156	30
MCOST	Weatherization Material Cost	097-156	30
LCOST	Weatherization Labor Cost	097-156	30
NORMETH	Weather Normalization Method Used	307	11
NUMRES	Number of Residents in the Dwelling Under 18	165	36
OTHER	Amount of Other Energy Grant(s)	197-198	27
OWEDPOS	Amount Owed, Post-Period	091-092	26
OWEDPRE	Amount Owed, Pre-Period	089-090	26
OWNRENT	Does Customer Rent or Own Dwelling	174	40
PAYPOST	Annual Dollars of Customer Payments, Post-Period	604	28
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SPECPRGB	CAP Special Payment Program, Pre- or Post-Period	434	27
STATUS	Program Completion Status	202	10
SUMCOST	Total Direct Cost of Providing LIURP Services	164	32
SUPHEATB	Primary Source of Supplemental Heat, Pre-Period	187	43
SUPHEATF	Primary Source of Supplemental Heat, Post-Period	430	44
UNIT	Unit of Measure for Energy Usage	741	13
YEAR	Program Year for Weatherization	002	8
ZIPCODE	Zip Code for the Residence	004	9

OPTIONAL VARIABLES

		Variable #	Page
AFBILL	Monthly Bill for Service in the Post-Period	069-080	22
AFTE	Bill Code for the Post-Period	057-068	21
AFTUSE	Monthly Use of Service in the Post-Period	045-056	20
AGE1-7	Ages of Other Residents	180-186	36
AIRAMTB	Number of Rooms Air Conditioned, Pre-Period	192	41
AIRAMTF	Number of Rooms Air Conditioned, Post-Period	433	42
AIRB	Presence and Type of Air Conditioning, Pre-Period	191	41
AIRF	Presence and Type of Air Conditioning, Post-Period	432	42
BLSPPOS/BLEPOS	Monthly Billing Period Dates Post-Period	416-428	24
BLSPRE/BLEPRE	Monthly Billing Period Dates Pre-Period	401-413	19
BMEASR	BFR Weatherization Measures	503-517	32
BMCOST	BFR Weatherization Materials Cost	503-517	32
BLCOST	BFR Weatherization Labor Cost	503-517	32
EDUCATE	Education of Head of Household	179	39
FIREP	Presence of Open Fire Place	201	42
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PREE	Bill Code for the Pre-Period	021-032	16
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TOTDCA	DCA Total Direct Costs Variable	519	33
TOTOTHR	Other Weatherization Total Direct Costs Variable	520	33

Outlier Validation Reporting Sheet

The purpose of this form is to indicate to the PUC that an outlier or extreme value for a variable(s) is accurate. For each variable that has a value exceeding the "range check values" indicated in the codebook, check to make sure the value is accurate. If the value is accurate, record the appropriate information on this form(s) and send it along with the data submission.

If more than one sheet is used, indicate in the space after "PAGE" the Number of the page and the total number of sheets used. For example: PAGE: 1 of 3, etc.

For "YEAR" indicate the year for which the data is being reported: 1988, 1989, 1990, etc.

Form for Reporting "Other" Values

Please use the following form to report all values coded as "other" for each variable where "other" is a valid response in the Codebook. The term "other" is used to designate a general code for all responses which do not fit the specific response categories in the Codebook. The code for "other" is typically all nines. (The total number of nines for each variable depends on the number of columns available for that variable--each column for the variable should contain a nine. Therefore, a one column variable such as STATUS (column 202) is coded as "9" for "other," and a six column variable such as ANULSUMB (columns 829-834) is coded as "999999" for "other.")

We have provided two copies of the form. We suggest making additional copies before filling in any information, in case you should need more than two copies. Another option is to provide us with your own form containing the same information in the same order and format.

