**CT-4A-R: Retrofits: Residential Sector**

**OMB Control No. XXXXXXXX**

**DATABASE VARIABLES**

&INTERVIEWER NAME name of the caller

&CONTACT contact name from program database

&SPONSOR organization that sponsored the program activity

&PROGRAM program activity name

&DATES dates of program activities operation funded by SEP or of research interest

&APPOINT date/time to call back

&NAME person to call back

&PHONE extension or phone number to call back

&SERV\_ADDR address where measure(s) were installed or service(s) performed

&HOMETYPE Single family home or multi-family home (fill “home” or “building”)

&CITY city where measure(s) were installed or service(s) performed

&CORRECT corrected address

&MEASURE\_TYPE dishwasher, clothes washer, refrigerator, lighting, cooling, heating, duct testing, weatherization or other

&QTY quantity of measure installed

&MEASURE specific technology within measure type, e.g. CFLs

&TARGET\_YEARS programs years under evaluation

&DISHWASHER boolean that is true if respondent installed dishwasher

&CLOTHESWASHER boolean that is true if respondent installed clothes washer

&REFRIGERATOR boolean that is true if respondent installed refrigerator

&LIGHTING boolean that is true if respondent installed lighting measures

&COOLING boolean that is true if respondent installed cooling measures

&HEATING boolean that is true if respondent installed heating measures

&HOTWATER boolean that is true if respondent installed hot water heating measures

$DUCTTEST boolean that is true if respondent conducted duct testing

&OTHER boolean that is true if respondent installed other measures

&INSULATION boolean that is true if respondent installed insulation measures

&SHOWERHEAD boolean that is true if respondent installed showerhead measures

&AERATOR boolean that is true if respondent installed aerator measures

&WEATHERIZATION description of weatherization measures installed

&WATT wattage of lighting technology installed

&LI\_TECH specific lighting technology, e.g. CFLs

&LI\_NUM number of &LI\_TECH installed

&C\_TECH specific cooling technology, e.g. Central AC

&CTECH\_NUM number of &C\_TECH installed

&CTECH\_EFF efficiency rating of &C\_TECH

&CTECH\_EFF\_UNIT unit of &CTECH\_EFF

&C\_TECH\_REM cooling technology removed during installation of &CTECH

&H\_TECH specific heating technology, e.g. Furnace

&HTECH\_NUM number of &H\_TECH installed

&HTECH\_EFF efficiency rating of &H\_TECH

&HTECH\_EFF\_UNIT unit of &HTECH\_EFF

&H\_TECH\_REM heating technology removed during installation of &HTECH

**INTRODUCTION AND FINDING CORRECT RESPONDENT**

**INITIAL.** Hello, this is &INTERVIEWER NAME calling on behalf of the United States Department of Energy from Tetra Tech.

May I please speak with &CONTACT, or the person at this location who is most knowledgeable about your &HOMTYPE’s participation in &SPONSOR's &PROGRAM, which operated during the period &DATES?

**[IF NEEDED]** This is not a sales call.

**[IF NEEDED]** This is a fact-finding survey only, authorized by the U. S. Department of Energy which wants to understand how &PROGRAM worked.

|  |  |  |
| --- | --- | --- |
| [No, that person is not available right now] | 1 | [GO TO APPOINT] |
| [Unable to refer someone who can help] | 2 | [GO TO APPOINT] |
| [Yes, that would be me] | 3 | [GO TO PURPOSE] |
| [Yes, let me get \_\_\_\_\_\_\_\_\_] | 4 | [GO TO INTRO3:s] |
| [No, that is the wrong person] | 5 | [GO TO HI] |
| [No, other reason (specify)] | 6 | [GO TO APPOINT] |
| [Don’t Know] | 97 | [GO TO APPOINT] |
| [Refused] | 98 | [GO TO APPOINT] |

**APPOINT.** When would be a good day and time for us to call back?

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | RECORD, CONTACT NAME,DAY OF THE WEEK, TIME OF DAY AND DATE TO CALL BACKCALL BACK AT AGREED TIME | [GO TO EXT] |
| [Don’t Know] | -97 | THANK & TERMINATE; ASSIGN REFUSED AND REMOVE FROM CALL ORDER | [GO TO INTRO3(99)] |
| [Refused] | -98 | END CALL; KEEP CONTACT IN REGULAR CALL ORDER | [GO TO INTRO3(99)] |

**INTRO3(99).** Thank you for your time. We need to speak with the person in your &HOMTYPE that is most familiar with your participation in the &PROGRAM. Those are all of the questions I have for you today **[TERMINATE; ASSIGN DISPOSITION & REMOVE FROM CALL ORDER]**

**HI.** Who would be the person in your &HOMTYPE who is most knowledgeable about your participation in &SPONSOR's &PROGRAM?

|  |  |  |
| --- | --- | --- |
|  | RECORD NAME AS &CONTACT  | [GO TO MAY\_I] |
| [Don’t Know] | -97 | [GO TO APPOINT] |
| [Refused] | -98 | [GO TO INTRO3(99)] |

**MAY\_I.** May I speak with him/her?

|  |  |  |
| --- | --- | --- |
| [Yes] | 1 | [GO TO INTRO3:s] |
| [No] | 2 | [GO TO EXT] |
| [Don’t know] | -97 | [GO TO EXT] |
| [Refused] | -98 | [GO TO EXT] |

**INTRO3:s.** Hello, this is <INTERVIEWER NAME> calling on behalf of the Department of Energy from Tetra Tech. This is not a sales call. This is a fact-finding survey only. According to our records, your &HOMTYPE participated in &SPONSOR's &PROGRAM.

I was told that you are the person most knowledgeable about this program. Is this correct?

|  |  |  |
| --- | --- | --- |
| [Yes] | 1 | [GO TO PURPOSE] |
| [No] | 2 | [GO TO HI] |
| [No one knows about the program] | 3 | [GO TO INTRO3(99)] |
| [Don’t know] | -97 | [GO TO HI] |
| [Refused] | -98 | [GO TO EXT] |

**EXT.** Is there a different phone number you recommend we use when we call back?

|  |  |  |
| --- | --- | --- |
| [Yes] | 1 | RECORD EXTENSION OR PHONE NUMBER AS &PHONE; [GO TO APPOINT] |
| [No] | 2 | [GO TO APPOINT] |
| [Don’t know] | -97 | [GO TO APPOINT] |
| [Refused] | -98 | [GO TO APPOINT] |

**PURPOSE.** The U.S. Department of Energy (DOE) would like to inform each individual that the information requested here is being solicited under the statutory authority of Title III of the Energy Policy and Conservation Act of 1975, as amended, which authorizes DOE to administer the State Energy Program (SEP). This information is being sought as part of a national evaluation of SEP, the purpose of which is to reliably quantify Program accomplishments and help inform decisions on future operations. The sole use of the information collected will be for an analysis of national-level Program impacts. Disclosure of this information is voluntary and there will be no adverse effects associated with not providing all or any part of the requested information.

We are calling you today to learn about your response to the &SPONSOR’s &PROGRAM. The information we gather will be used by the Department of Energy to understand how the program has worked. The survey should take no more than 60 minutes for you to complete. The responses you provide will be combined with those of many other individuals and will not be linked to you or your &HOMTYPE in any way.

**SC1.** First, I'd like to ask you a few questions about your &HOMTYPE. Our records show your &HOMTYPE is at &SERV\_ADDR in &CITY. Is that correct?

|  |  |  |
| --- | --- | --- |
| [Yes] | 1 | [GO TO COMMENT3] |
| [No] | 2 | [GO TO CORRECT] |
| [Don’t know] | -97 | [GO TO COMMENT1] |
| [Refused] | -98 | [GO TO COMMENT1] |

**CORRECT** May I have your address?

|  |  |  |
| --- | --- | --- |
| [Yes] | 1 | RECORD IN &CORRECT [GO TO COMPARE] |
| [No] | 2 | [COMMENT1] |
| [Don’t know] | -97 | [GO TO HI] |
| [Refused] | -98 | [ GO TO COMMENT1] |

**COMPARE. [DO NOT READ] Are these addresses similar or totally different?**

**Computer Address - &SERV\_ADDR**

**Corrected Address - &CORRECT**

|  |  |  |
| --- | --- | --- |
| [Similar] | 1 | SET &SERV\_ADDR = &CORRECT[GO TO SC2] |
| [Totally different] | 2 | [GO TO COMMENT2] |

**COMMENT2.** We were attempting to reach the customer at &SERV\_ADDR in &CITY and since that does not match your address, then we must have misdialed the telephone number. Those are all the questions that we have for you today, on behalf of the Department of Energy. Thank you for your time and cooperation. [TERMINATE]

**SC2.** Our records show that you received support from &PROGRAM to carry out energy efficiency improvements at &SERV\_ADDR in &CITY. Is that correct?

|  |  |  |
| --- | --- | --- |
| [Yes] | 1 | [GO TO SC3] |
| [No] | 2 | [GO TO COMMENT4] |
| [Don’t know] | 97 | [GO TO COMMENT4] |
| [Refused] | 98 | [GO TO COMMENT4] |

**COMMENT4.** Can you refer me to someone who would be likely to be familiar with such a project?

|  |  |  |
| --- | --- | --- |
| [Yes] | 1 | [GO TO HI] |
| [No] | 2 | [GO TO INTRO3(99)] |
| [Don’t know] | -97 | [GO TO INTRO3(99)] |
| [Refused] | -98 | [GO TO INTRO3(99)] |

**SC3.** Are you familiar with the decision to participate in &PROGRAM and the type of the energy efficiency measures carried out with its assistance?

|  |  |  |
| --- | --- | --- |
| [Yes] | 1 | [GO TO V1] |
| [No] | 2 | [GO TO COMMENT4] |
| [Don’t know] | -97 | [GO TO COMMENT4] |
| [Refused] | -98 | [GO TO COMMENT4] |

**HEATING, COOLING, AND WATER HEATING INVENTORY**

Before discussing your experience with &SPONSOR’s &PROGRAM, I’d like to get some basic information about the energy systems in your home.

**HC1. First, do you have a central air conditioning system in your home?**

**Do not include room air conditioners or fans.**

|  |  |
| --- | --- |
| 1. Yes |  |
| 2. No | **SKIP TO HC5** |
| 97. Don’t know | **SKIP TO HC5** |
| 98. Refused to answer | **SKIP TO HC5** |

**HC2. How old is your central air conditioning system?**

**[Prompt by reading response options if necessary]**

|  |
| --- |
| 1. Less than one year old |
| 2. 1 year to 4 years old |
| 3. More than 4 years to 10 years old |
| 4. More than 10 years to 15 years old |
| 5. More than 15 years to 20 years old |
| 6. More than 20 years old |
| 97. Don’t know |
| 98. Refused to answer |

**IF D1 ≠ 1 (Single family detached) ASK HC3, ELSE SKIP TO HC4.**

**HC3. Does the central air conditioning system serve your home or more than one home or apartment?**

|  |
| --- |
| 1. Serves home or apartment only |
| 2. Serves more than one home or apartment |
| 97. Don’t know |
| 98. Refused to answer |

**HC4. How frequently do you use your central air conditioning system? Would you say it is …
“All Summer”; “Quite a bit”; “Only a few times a year when needed”; or “Not at all”?**

|  |
| --- |
| 1. All Summer |
| 2. Quite a bit |
| 3. Only a few times when needed |
| 4. Not at all  |
| 97. Don’t know |
| 98. Refused to answer |

**HC5. How many room air conditioners, if any, do you use in your home? Prompt if needed: These are units installed in windows or through the wall.**

|  |  |
| --- | --- |
| 1. None | **SKIP TO D1** |
| 2. One |  |
| 3. Two |  |
| 4. Three or more |  |
| 97. Don’t know | **SKIP TO D1** |
| 98. Refused to answer | **SKIP TO D1** |

**HC6. On average, how old are the room air conditioners in your home?**

**[Prompt by reading response options if necessary]**

|  |
| --- |
| 1. Less than one year old |
| 2. 1 year to 4 years old |
| 3. More than 4 years to 10 years old |
| 4. More than 10 years to 15 years old |
| 5. More than 15 years to 20 years old |
| 6. More than 20 years old |
| 97. Don’t know |
| 98. Refused to answer |

**HC7. How frequently do you use your room air conditioners? Would you say it is …
“All Summer”; “Quite a bit”; “Only a few times a year when needed”; or “Not at all”?**

|  |
| --- |
| 1. All Summer |
| 2. Quite a bit |
| 3. Only a few times when needed |
| 4. Not at all  |
| 97. Don’t know |
| 98. Refused to answer |

**SH1. What fuel or fuels do you use to heat your home? [RECORD ALL THAT APPLY.]**

**[IF MORE THAN ONE FUEL RECORDED, ASK SH1a. ELSE SKIPNEEDED: READ LIST. RECORD ONLY ONE RESPONSE]**

**SH 1a. Which fuel supplies most of the heat for your home?**

**[IF NEEDED: READ LIST. RECORD ONLY ONE RESPONSE]**

|  |  |  |
| --- | --- | --- |
|  | **SH1** | **SH1a** |
| 1. Natural gas |  | **GO TO SH2** |
| 2. Bottled gas or propane  |  | **SKIP TO SH3** |
| 3. Electric  |  | **SKIP TO SH4** |
| 4. Oil |  | **SKIP TO SH5** |
| 5. Kerosene |  | **SKIP TO SH6** |
| 6. Wood |  | **SKIP TO SH6** |
| 7. Solar |  | **SKIP TO SH6** |
| 8. Geothermal |  | **SKIP TO SH6** |
| 9. Other (Please describe:\_\_\_\_\_\_\_\_\_\_\_\_\_\_) |  | **SKIP TO SH6** |
| 10. No heating system |  | **SKIP TO WH1** |
| 97. Don’t know |  | **SKIP TO SH6** |
| 98. Refused to answer |  | **SKIP TO SH6** |

**SH2. [If use mostly natural gas] What type of system provides most of the space heating for your home?**

**[IF NEEDED: READ LIST. RECORD ONLY ONE RESPONSE]**

|  |  |
| --- | --- |
| 1. Central forced air furnace | **SKIP TO SH6** |
| 2. Steam boiler (upright radiators or baseboards)  | **SKIP TO SH6** |
| 3. Hot water boiler (upright radiators or baseboards)  | **SKIP TO SH6** |
| 4. Direct Vent Space heaters | **SKIP TO SH6** |
| 5. Un-vented Space heaters  | **SKIP TO SH6** |
| 6. Fireplace Inserts | **SKIP TO SH6** |
| 7. Stoves | **SKIP TO SH6** |
| 8. Other (Please describe:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | **SKIP TO SH6** |
| 97. Don’t know | **SKIP TO SH6** |
| 98. Refused to answer | **SKIP TO SH6** |

**SH3. [If use mostly bottled gas or propane] What type of system provides most of the space heating for your home?**

**[IF NEEDED: READ LIST. RECORD ONLY ONE RESPONSE]**

|  |  |
| --- | --- |
| 1. Central forced air furnace | **SKIP TO SH6** |
| 2. Steam boiler (upright radiators or baseboards)  | **SKIP TO SH6** |
| 3. Hot water boiler (upright radiators or baseboards)  | **SKIP TO SH6** |
| 4. Direct Vent Space heaters | **SKIP TO SH6** |
| 5. Un-vented Space heaters  | **SKIP TO SH6** |
| 6. Portable heaters  | **SKIP TO SH6** |
| 7. Fireplace Inserts | **SKIP TO SH6** |
| 8. Stoves | **SKIP TO SH6** |
| 9. Other (Please describe:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | **SKIP TO SH6** |
| 97. Don’t know | **SKIP TO SH6** |
| 98. Refused to answer | **SKIP TO SH6** |

**SH4. [If use mostly electric heating] What type of system provides most of the space heating for your home?**

**[IF NEEDED: READ LIST. RECORD ONLY ONE RESPONSE]**

|  |  |
| --- | --- |
| 1. Baseboard, wall heaters without fans, or ceiling cables | **SKIP TO SH6** |
| 2. Wall heaters with fans | **SKIP TO SH6** |
| 3. Air source heat pump  | **SKIP TO SH6** |
| 4. Ground source heat pump | **SKIP TO SH6** |
| 5. Other (Please describe:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | **SKIP TO SH6** |
| 97. Don’t know | **SKIP TO SH6** |
| 98. Refused to answer | **SKIP TO SH6** |

**SH5. [If use mostly oil] What type of system provides most of the space heating for your home?**

**[IF NEEDED: READ LIST. RECORD ONLY ONE RESPONSE]**

|  |
| --- |
| 1. Central forced air furnace |
| 2. Steam boiler (upright radiators or baseboards)  |
| 3. Hot water boiler (upright radiators or baseboards)  |
| 4. Other (Please describe:\_\_\_\_\_\_\_\_\_\_\_\_\_\_) |
| 97. Don’t know |
| 98. Refused to answer |

**SH6. Does the heating system only serve your home or more than one home or apartment?**

|  |
| --- |
| 1. Serves home or apartment only |
| 2. Serves more than one home or apartment |
| 97. Don’t know |
| 98. Refused to answer |

**SH7. How old is your primary heating system?**

**[Prompt by reading response options if necessary]**

|  |  |
| --- | --- |
| 1. Less than one year old |  |
| 2. 1 year to 4 years old |  |
| 3. More than 4 years to 10 years old |  |
| 4. More than 10 years to 15 years old |  |
| 5. More than 15 years to 20 years old |  |
| 6. More than 20 years old |  |
| 97. Don’t know |  |
| 98. Refused to answer |  |

**IF MULTIPLE ANSWERS PROVIDED FOR SH1, ASK SH8. ELSE SKIP TO WH1.**

**SH8. Approximately how often do you use the other heating system(s) in your home during the heating season?**

**[READ LIST. RECORD ONLY ONE RESPONSE]**

|  |
| --- |
| 1. Every day |
| 2. 3-5 days per week |
| 3. 1-2 days per week |
| 4. Only a few days a year |
| 97. Don’t know |
| 98. Refused to answer |

**SH9. How many rooms are heated by these other heating systems?**

|  |
| --- |
| Enter # of Rooms |
| 97. Don’t know |
| 98. Refused to answer |

**WH1. What fuel or fuels do you use for hot water in your home? [RECORD ALL THAT APPLY.]**

**[IF MORE THAN ONE FUEL RECORDED, ASK SH1a. ELSE SKIPNEEDED: READ LIST. RECORD ONLY ONE RESPONSE]**

**WH 1a. Which fuel supplies most of the hot water for your home?**

**[IF NEEDED: READ LIST. RECORD ONLY ONE RESPONSE]**

|  |  |  |
| --- | --- | --- |
|  | **SH1** | **SH1a** |
| 1. Natural gas |  |  |
| 2. Bottled gas or propane  |  |  |
| 3. Electric  |  |  |
| 4. Oil |  |  |
| 5. Kerosene |  |  |
| 6. Wood |  |  |
| 7. Solar |  |  |
| 8. Geothermal |  |  |
| 9. Other (Please describe:\_\_\_\_\_\_\_\_\_\_\_\_\_\_) |  |  |
| 10. No heating system |  |  |
| 97. Don’t know |  |  |
| 98. Refused to answer |  |  |

**WH3. What type of system is your main water heater? Would you say it is a…**

**[READ LIST. RECORD ONLY ONE RESPONSE]**

|  |
| --- |
| 1. Traditional water heater tank |
| 2. Whole house tankless system or instantaneous water heater |
| 3. Heat pump water heater |
| 4. High efficiency gas storage water heater |
| 5. Indirect tank attached to a boiler |
|  |
| 6. Other (Please describe:\_\_\_\_\_\_\_\_\_\_\_\_\_) |
| 97. Don’t know |
| 98. Refused to answer |

**INITIAL VERIFICATION INVENTORY**

**NOTE: THE SEGMENTS VY AND VN ELICIT THE SAME TYPE OF INFORMATION FROM CUSTOMERS IN PROGRAMS THAT ARE ABLE TO PROVIDE MEASURE-LEVEL DATA FOR PROJECTS SUPPORTED BY THE PROGRAM (VY) AND THOSE FOR WHICH MEASURE-LEVEL DATA ARE NOT AVAILABLE (VN). THE ANSWERS TO BOTH SEQUENCES ARE ANSWERED IN THE SAME INITIAL VERIFICATION GRID BELOW. THE OBJECTIVE OF THIS SEQUENCE IS TO PROVIDE VERIFICATION OF THE OVERALL SCOPE OF THE PROJECT, CHARACACTERIZE THE SCOPE OF SUPPORT PROVIDED BY THE SEP PROGRAM AND OTHER PROGRAMS, AND ELIMINATE THE NEED FOR REPETITIVE QUESTIONS IN THE DETAILED MEASURE SECTIONS. SEQUENCE VB IS ADDRESSED TO ALL RESPONDENTS.**

**V1.** I’d like to ask you about the scope of the project at &SERV\_ADDR.

**V1b.** Was this project done to an existing &HOMETYPE or was it part of a new construction project?

|  |  |  |
| --- | --- | --- |
| [Existing/retrofit] | 1 | [GO TO VY1a] |
| [New construction] | 2 | [THANK AND TERMINATE] |
| [Don’t know] | -97 | [GO TO VY1a] |
| [Refused] | -98 | [GO TO VY1a] |

**SEQUENCE VY: FOR CUSTOMERS IN PROGRAMS WITH MEASURE-LEVEL DETAIL IN THE TRACKING DATABASE.**

**[REPEAT THIS SERIES FOR EACH MEASURE IN THE TRACKING DATA]**

**VY1a.** According to &SPONSOR records, you installed &QTY &MEASURE as part of the project at &SERV\_ADDR. Is this correct?

|  |  |  |
| --- | --- | --- |
| [Yes, installed that number] | 1 | [GO TO VY1a FOR NEXT MEASURE] |
| [Did not install any of that technology] | 2 | [GO TO VY1a FOR NEXT MEASURE] |
| [Technology correct, number wrong] | 3 | [GO TO VY1B] |
| [Don’t Know]  | -97 | [GO TO VY1a FOR NEXT MEASURE] |
| [Refused] | -98 | [GO TO VY1a FOR NEXT MEASURE] |

**VY1b.** How many &MEASURE did you install?

|  |  |  |
| --- | --- | --- |
| RECORD NUMBER  | \_\_\_\_\_\_\_\_\_\_\_ | [GO TO VY1C] |
| Don’t know | -97 | [GO TO VY1C] |
| Refused | -98 | [GO TO VY1C] |

**VY1c.** Why did you install a different number of &MEASURE?

|  |  |  |
| --- | --- | --- |
| Have no idea why numbers differ | 1 | [GO TO VY1D] |
| Put some in storage | 2 | [GO TO VY1D] |
| Installed some at another location in the U.S. | 3 | [GO TO VY1D] |
| Insufficient financial resources to complete full amount | 4 | [GO TO VY1D] |
| [Other, Specify\_\_\_\_\_\_] | 5 | [GO TO VY1D] |
| [Don’t know] | -97 | [GO TO VY1D] |
| [Refused] | -98 | [GO TO VY1D] |

**VY1d.** Do you plan to install the remaining &MEASURE within the next year?

|  |  |  |
| --- | --- | --- |
| [Yes] | 1 | [GO TO VY1a FOR NEXT MEASURE] |
| [No] | 2 | [GO TO VY1a FOR NEXT MEASURE] |
| [Don’t know] | -97 | [GO TO VY1a FOR NEXT MEASURE] |
| [Refused] | -98 | [GO TO VY1a FOR NEXT MEASURE] |

**[GO TO VB1 AFTER COMPLETING VY SEQUENCE FOR ALL MEASURES IN TRACKING SYSTEM]**

**SEQUENCE VN: FOR CUSTOMERS IN PROGRAMS WITH NO MEASURE-LEVEL DETAIL IN THE TRACKING DATABASE.**

**VN1a.** Which of the following types of equipment or services received support from &PROGRAM? **[READ LIST IN THE GRID. MARK ALL THAT APPLY]**

|  |  |  |
| --- | --- | --- |
| Dishwasher | RECORD QTY\_\_\_ | [GO TO VN1c] |
| Clothes Washer | RECORD QTY\_\_\_ | [GO TO VN1c] |
| Refrigerator | RECORD QTY\_\_\_ | [GO TO VN1c] |
| Lighting | RECORD QTY\_\_\_ | [GO TO VN1c] |
| Cooling | RECORD QTY\_\_\_ | [GO TO VN1c] |
| Space Heating | RECORD QTY\_\_\_ | [GO TO VN1c] |
| Water Heating | RECORD QTY\_\_\_ | [GO TO VN1c] |
| Duct Testing & Sealing | RECORD QTY\_\_\_ | [GO TO VN1c] |
| Air Sealing with Blower Door Test | RECORD QTY\_\_\_ | [GO TO VN1c] |
| Insulation | RECORD QTY\_\_\_ | [GO TO VN1c] |
| Shower head replacement | RECORD QTY\_\_\_ | [GO TO VN1c] |
| Faucet aerators | RECORD QTY\_\_\_ | [GO TO VN1c] |
| Other Efficiency Measures [SPECIFY \_\_\_\_\_\_\_\_\_\_\_\_] | RECORD QTY\_\_\_ | [GO TO VN1c] |

**VN1c.** Is there any equipment or services for which you received support from &PROGRAM in &TARGET\_YEARS that has not yet been installed

|  |  |  |
| --- | --- | --- |
| [Yes] | 1 | [GO TO VN1d] |
| [No] | 2 | [GO TO VB1] |
| [Don’t know] | -97 | [GO TO VB1] |
| [Refused] | -98 | [GO TO VB1] |

**VN1d.** Which equipment or services received support from &PROGRAM but have not yet been installed or conducted? **[MARK ALL THAT APPLY IN LIST IN THE GRID.]**

|  |  |  |
| --- | --- | --- |
| Dishwasher | RECORD QTY NOT INSTALLED\_\_\_ | [GO TO VN2a] |
| Clothes Washer | RECORD QTY NOT INSTALLED\_\_\_ | [GO TO VN2a] |
| Refrigerator | RECORD QTY NOT INSTALLED\_\_\_ | [GO TO VN2a] |
| Lighting | RECORD QTY NOT INSTALLED\_\_\_ | [GO TO VN2a] |
| Cooling | RECORD QTY NOT INSTALLED\_\_\_ | [GO TO VN2a] |
| Heating | RECORD QTY NOT INSTALLED\_\_\_ | [GO TO VN2a] |
| Water Heating | RECORD QTY NOT INSTALLED\_\_\_ | [GO TO VN2a] |
| Duct Testing & Sealing | RECORD QTY NOT INSTALLED\_\_\_ | [GO TO VN2a] |
| Air Sealing w/ Blower Door Test | RECORD QTY NOT INSTALLED\_\_\_ | [GO TO VN2a] |
| Insulation | RECORD QTY NOT INSTALLED\_\_\_ | [GO TO VN2a] |
| Shower head replacement | RECORD QTY NOT INSTALLED\_\_\_ | [GO TO VN2a] |
| Faucet Aerators | RECORD QTY NOT INSTALLED\_\_\_ | [GO TO VN2a] |
| Other Efficiency Measures [MULTIPLE “OTHER” POSSIBLE] | RECORD QTY NOT INSTALLED\_\_\_ | [GO TO VN2a] |

**FOR EACH MEASURE TYPE MARKED IN VN1c, ASK VN2a THROUGH VN2c.**

**VN2a.** Why was &MEASURE\_TYPE not installed at &SERV\_ADDR? **[DO NOT READ, MARK ALL THAT APPLY]**

|  |  |  |
| --- | --- | --- |
| Put some in storage | 1 | [GO TO VN2b] |
| Installed some at another location in the U.S. | 2 | [GO TO VN2b] |
| Insufficient financial resources to complete full amount | 3 | [GO TO VN2b] |
| [Other, Specify\_\_\_\_\_\_] | 4 | [GO TO VN2b] |
| [Don’t know] | -97 | [GO TO VN2b] |
| [Refused] | -98 | [GO TO VN2b] |

**VN2b.** Do you plan to install the remaining &MEASURE within the next year?

|  |  |  |
| --- | --- | --- |
| [Yes] | 1 | [GO TO VN2a FOR NEXT MEASURE] |
| [No] | 2 | [GO TO VN2a FOR NEXT MEASURE] |
| [Don’t know] | -97 | [GO TO VN2a FOR NEXT MEASURE] |
| [Refused] | -98 | [GO TO VN2a FOR NEXT MEASURE] |

 **[GO TO VB1 AFTER COMPLETING VN2a – VN2c SEQUENCE FOR ALL APPLICABLE MEASURES]**

**VY AND VN SEQUENCE RESPONSE GRID FOR SEP SUPPORTED EFFORTS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **1a** | **1c (N only)** | **2a** | **2b** |
| **Measure type** | **Installed?** | **Not Installed** | **Why not installed?** | **Plan to install in Yr?** |
| ***Efficiency Measures*** |  |  |  |  |
| Dishwasher |  |  |  |  |
| Clothes Washer |  |  |  |  |
| Refrigerator |  |  |  |  |
| Lighting |  |  |  |  |
| Cooling |  |  |  |  |
| Heating |  |  |  |  |
| Water Heating |  |  |  |  |
| Duct Testing & Sealing |  |  |  |  |
| Air Sealing w/ Blower Door |  |  |  |  |
| Insulation |  |  |  |  |
| Shower head replacement |  |  |  |  |
| Faucet Aerator |  |  |  |  |
| **Other Efficiency Measures** **[SPECIFY \_\_\_\_\_\_\_\_\_\_\_\_\_]** |  |  |  |  |

**SEQUENCE VB: DIRECTED TO ALL CUSTOMERS.**

**VB1.** What kinds of assistance and support did you receive from &SPONSOR’s &PROGRAM in completing the project at &HOMTYPE? **[DO NOT READ, MARK ALL THAT APPLY. PROMPT IF NEEDED.]**

|  |  |  |
| --- | --- | --- |
| Financial grant or rebate for measures installed | 1 | [GO TO VB2] |
| Subsidy for design or engineering work | 2 | [GO TO VB2] |
| Reduced interest loan or loan interest subsidy | 3 | [GO TO VB2] |
| Loan guarantee | 4 | [GO TO VB2] |
| Assistance in entering into performance contracts | 5 | [GO TO VB3] |
| Energy audit or other technical assistance in identifying & characterizing opportunities | 6 | [GO TO VB3] |
| Referrals to qualified vendors | 7 | [GO TO VB3] |
| General information on energy efficiency opportunities | 8 | [GO TO VB3] |
| Other (Specify in enough detail to understand the support received to use in attribution analysis) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 9 | [GO TO VB3] |
| [Don’t know] | 97 | [GO TO VB3] |
| [Refused] | 98 | [GO TO VB3] |

**[IF VB1 INCLUDES 1, 2, 3, OR 4 ASK VB2, ELSE VB3]**

**VB2.** What was the amount of the incentive, subsidy, or loan provided by the &SPONSOR’s &PROGRAM? Your best approximation will be fine.

|  |  |  |
| --- | --- | --- |
| [RECORD AMOUNT] | $\_\_\_\_ | [GO TO VB3] |
| [Don’t know] | -97 | [GO TO VB3] |
| [Refused] | -98 | [GO TO VB3] |

**VB3.** And, what was the total overall cost of the energy efficiency project supported by &PROGRAM including equipment and labor *before* any incentives or subsidies were applied? Again, your best approximation will be fine

|  |  |  |
| --- | --- | --- |
| [RECORD AMOUNT] | $\_\_\_\_ | [GO TO VB4] |
| [Don’t know] | -97 | [GO TONEXT SECTION] |
| [Refused] | -98 | [GO TO NEXT SECTION] |

**[IF MULTIPLE MEASURES INSTALLED ASK VB4 THROUGH VB6, ELSE NEXT SECTION.]**

**VB4.** Can you recall how these costs were allocated among the different equipment or services installed or conducted?

|  |  |  |
| --- | --- | --- |
| [Yes] | 1 | [GO TO VB5] |
| [No] | 2 | [GO TO NEXT SECTION] |
| [Don’t know] | -97 | [GO TO NEXT SECTION] |
| [Refused] | -98 | [GO TO NEXT SECTION] |

**VB5.** Can you tell me the cost of purchasing and installing &MEASURE **[STARTING FROM FIRST IN GRID OR DATABASE]?**

**VB6.** [**IF RESPONDENT CANNOT PROVIDE A COST AMOUNT:]** What percentage of the total overall costs of the project supported by &PROGRAM did &MEASURE\_TYPE account for?

|  |  |  |
| --- | --- | --- |
|  | **VB5** | **VB6** |
| **Measure type** | **Cost** | **% of Total** |
| Dishwasher |  |  |
| Clothes Washer |  |  |
| Refrigerator |  |  |
| Lighting |  |  |
| Cooling |  |  |
| Heating |  |  |
| Hot Water Heating |  |  |
| Duct Testing & Sealing |  |  |
| Air Sealing w/ Blower Door  |  |  |
| Insulation |  |  |
| Shower head replacement |  |  |
| Faucet Aerator |  |  |
| **Other Efficiency Measures** |  |  |

**[RECORD VERIFIED MEASURES FOR MEASURE SPECIFIC QUESTIONS BELOW. RESPONDENTS WILL ONLY BE ASKED MEASURE SPECIFIC QUESTIONS FOR MEASURE GROUPS CONFIRMED]**

**[&DISHWASHER]**

**[&CLOTHESWASHER]**

**[&REFRIGERATOR]**

**[&LIGHTING]**

**[&COOLING]**

**[&HEATING]**

**[&HOTWATER]**

**[&DUCTTEST]**

**[&INSULATION]**

**[&SHOWERHEAD]**

**[&AERATOR]**

**[&OTHER]**

**DISHWASHER**

**[IF &DISHWASHER = TRUE]**

**DW1** Now I’d like to ask some questions about your new energy efficient dishwasher you received support for through the &SPONSOR &PROGRAM.

**DW2a** Did your dishwasher replace an existing dishwasher?

|  |  |  |
| --- | --- | --- |
| Yes | 1 | [GO TO DW2b]  |
| No | 2 | [GO TO DW3] |
| Don’t Know | -97 | [GO TO DW3] |
| Refused | -98 | [GO TO DW3] |

**DW2b IF yes to DW2A** How old was your old dishwasher?

|  |  |  |
| --- | --- | --- |
| [Less than 1 yr] | 1 | [GO TO DW2c] |
| [1-5 yrs] | 2 | [GO TO DW2c] |
| [5-10 yrs] | 3 | [GO TO DW2c] |
| [More than 10 yrs] | 4 | [GO TO DW2c] |
| [Don’t Know] | -97 | [GO TO DW2c] |
| [Refused] | -98 | [GO TO DW2c] |

**DW2c** Was the old dishwasher working or not working?

|  |  |  |
| --- | --- | --- |
| Working | 1 | [GO TO DW2d] |
| Not working | 2 | [GO TO DW3] |
| [Don’t Know] | -97 | [GO TO DW3] |
| [Refused] | -98 | [GO TO DW3] |

**DW2d** Was the old dish washer in good, fair, or poor working condition?

|  |  |  |
| --- | --- | --- |
| Good | 1 | [GO TO DW3] |
| Fair | 2 | [GO TO DW3] |
| Poor | 3 | [GO TO DW3] |
| [Don’t Know] | -97 | [GO TO DW3] |
| [Refused] | -98 | [GO TO DW3] |

**CLOTHES WASHER BATTERY**

**[IF &CLOTHESWASHER = TRUE]**

**CW1** Now I’d like to ask some questions about your new energy efficient clothes washer you received support for through the &SPONSOR &PROGRAM.

**CW2a** Did your clothes washer replace an existing clothes washer?

|  |  |  |
| --- | --- | --- |
| Yes | 1 | [GO TO CW2b]  |
| No | 2 | [GO TO CW3] |
| Don’t Know | -97 | [GO TO CW3] |
| Refused | -98 | [GO TO CW3] |

**CW2b IF CW2a is yes...** How old was your old clothes washer?

|  |  |  |
| --- | --- | --- |
| [Less than 1 yr] | 1 | [GO TO CW2c] |
| [1-5 yrs] | 2 | [GO TO CW2c] |
| [5-10 yrs] | 3 | [GO TO CW2c] |
| [More than 10 yrs] | 4 | [GO TO CW2c] |
| [Don’t Know] | -97 | [GO TO CW2c] |
| [Refused] | -98 | [GO TO CW2c] |

**CW2c** Was the old clothes washer working or not working?

|  |  |  |
| --- | --- | --- |
| Working | 1 | [GO TO CW2d] |
| Not working | 2 | [GO TO CW3] |
| [Don’t Know] | -97 | [GO TO CW3] |
| [Refused] | -98 | [GO TO CW3] |

**CW5** Do you have a clothes dryer?

|  |  |  |
| --- | --- | --- |
| [Yes] | 1 | [GO TO CW8] |
| [No] | 2 | [GO TO R1] |
| [Don’t Know] | -97 | [GO TO R1] |
| [Refused] | -98 | [GO TO R1] |

**CW8** What type of fuel does your clothes dryer use? (If unsure read 1, 2)

|  |  |  |
| --- | --- | --- |
| Electricity | 1 | [GO TO R1] |
| Natural Gas | 2 | [GO TO R1] |
| Other (SPECIFY)  | 4 | [GO TO R1] |
| [Don’t Know] | -97 | [GO TO R1] |
| [Refused] | -98 | [GO TO R1] |

**REFRIGERATOR BATTERY**

**R1** I ‘d like to ask some questions about the energy efficient refrigerator you received support for through the &SPONSOR &PROGRAM. Where is the Freezer located (mounted) on the refrigerator?

|  |  |  |
| --- | --- | --- |
| Freezer is on the bottom of the refrigerator | 1 | [GO TO R2a] |
| Freezer is on the top of the refrigerator | 2 | [GO TO R2a] |
| Freezer is on the side of the refrigerator | 3 | [GO TO R2a] |
| Refrigerator does not have an attached freezer | 4 | [GO TO R2a] |
| [Don’t Know] | -97 | [GO TO R2a] |
| [Refused] | -98 | [GO TO R2a] |

**R2a** Does your new refrigerator have a through the door ice machine?

|  |  |  |
| --- | --- | --- |
| [Yes] | 1 | [GO TO R2b] |
| [No] | 2 | [GO TO R2b] |
| [Don’t Know] | -97 | [GO TO R2b] |
| [Refused] | -98 | [GO TO R2b] |

**R2b** Does your new refrigerator have automatic defrost, partial automatic defrost, or manual defrost?

|  |  |  |
| --- | --- | --- |
| Automatic Defrost | 1 | [GO TO R3] |
| Partial Automatic Defrost | 2 | [GO TO R3] |
| Manual Defrost | 3 | [GO TO R3] |
| [Don’t Know] | -97 | [GO TO R3] |
| [Refused] | -98 | [GO TO R3] |

**R3** Is this refrigerator plugged in and running … (Read list)

|  |  |  |
| --- | --- | --- |
| All the time | 1 | [GO TO R3b] |
| For special occasions only | 2 | [GO TO R3b] |
| During certain months of the year only, or | 3 | [GO TO R3b] |
| Never plugged in or running | 4 | [GO TO R3b] |
| [Don’t Know] | -97 | [GO TO R3b] |
| [Refused] | -98 | [GO TO R3b] |

**R3b** Is this refrigerator compact, standard size, or oversized?

|  |  |  |
| --- | --- | --- |
| [Compact] | 1 | [GO TO R4] |
| [Standard] | 2 | [GO TO R4] |
| [Oversized] | 3 | [GO TO R4] |
| [Don’t Know] | -97 | [GO TO R4] |
| [Refused] | -98 | [GO TO R4] |

**R4** Did the new refrigerator replace an existing refrigerator?

|  |  |  |
| --- | --- | --- |
| Yes | 1 | [GO TO R5] |
| No  | 2 | [GO TO HW1] |
| Don’t know  | -8 | [GO TO HW1] |
| Refused  | -9 | [GO TO HW1] |

**R5** Where was the Freezer located (mounted) on the old refrigerator?

|  |  |  |
| --- | --- | --- |
| Freezer was on the bottom of the refrigerator | 1 | [GO TO R6a] |
| Freezer was on the top of the refrigerator | 2 | [GO TO R6a] |
| Freezer was on the side of the refrigerator | 3 | [GO TO R6a] |
| Refrigerator did not have an attached freezer | 4 | [GO TO R6a] |
| [Don’t Know] | -97 | [GO TO R6a] |
| [Refused] | -98 | [GO TO R6a] |

**R6a** Did your old refrigerator have a through the door ice machine?

|  |  |  |
| --- | --- | --- |
| [Yes] | 1 | [GO TO R6b] |
| [No] | 2 | [GO TO R6b] |
| [Don’t Know] | -97 | [GO TO R6b] |
| [Refused] | -98 | [GO TO R6b] |

**R6b** Did the old refrigerator have automatic defrost, partial automatic defrost, or manual defrost?

|  |  |  |
| --- | --- | --- |
| Automatic Defrost | 1 | [GO TO R7] |
| Partial Automatic Defrost | 2 | [GO TO R7] |
| Manual Defrost | 3 | [GO TO R7] |
| [Don’t Know] | -97 | [GO TO R7] |
| [Refused] | -98 | [GO TO R7] |

**R6c** How old was your old refrigerator?

|  |  |  |
| --- | --- | --- |
| [Less than 1 yr] | 1 | [GO TO CW2c] |
| [1-5 yrs] | 2 | [GO TO CW2c] |
| [5-10 yrs] | 3 | [GO TO CW2c] |
| [More than 10 yrs] | 4 | [GO TO CW2c] |
| [Don’t Know] | -97 | [GO TO CW2c] |
| [Refused] | -98 | [GO TO CW2c] |

**R7** Has the refrigerator you replaced been removed from your home or do you still have it?

|  |  |  |
| --- | --- | --- |
| Removed from the home | 1 | [GO TO R8] |
| Still have it | 2 | [GO TO R9] |
| [Don’t know] | -97 | [GO TO HW1] |
| [Refused] | -98 | [GO TO HW1] |

R8. How did you dispose of your old refrigerator?
*(CLARIFY IF NEEDED TO FIT LIST BELOW. FOR EXAMPLE: Did you give it away or sell it?)*

|  |  |  |
| --- | --- | --- |
| Took it to a recycler or scrap dealer | 1 | [GO TO HW1] |
| Took it to the landfill or threw it away | 2 | [GO TO HW1] |
| Sold it or gave it to another private party | 3 | [GO TO HW1] |
| Sold it to a used refrigerator / freezer dealer | 4 | [GO TO HW1] |
| Hired someone to pick it up (for junking or dumping) | 5 | [GO TO HW1] |
| Utility program hauled it away | 6 | [GO TO HW1] |
| Dealer I bought a new one from took it away | 7 | [GO TO HW1] |
| Left it behind when moved (for new occupant) | 8 | [GO TO HW1] |
| Other *(SPECIFY)* | 9 | [GO TO HW1] |
| [Don’t know] | -97 | [GO TO HW1] |
| [Refused] | -98 | [GO TO HW1] |

**R9** Was the old refrigerator plugged in and running … (Read list)

|  |  |  |
| --- | --- | --- |
| All the time | 1 | [GO TO HW1] |
| For special occasions only | 2 | [GO TO HW1] |
| During certain months of the year only, or | 3 | [GO TO HW1] |
| Never plugged in or running | 4 | [GO TO HW1] |
| [Don’t Know] | -97 | [GO TO HW1] |
| [Refused] | -98 | [GO TO HW1] |

**HOT WATER HEATER BATTERY**

**[IF &CLOTHESWASHER = TRUE OR &DISHWASHER = TRUE OR &HOTWATER = TRUE or &SHOWERHEAD = TRUE OR & AERATOR=TRUE]**

**HW1** Now I’d like to ask some questions about the new hot water heater you received support for through the &SPONSOR &PROGRAM.

**HW3** What type of fuel did your previous water heater use?

|  |  |  |
| --- | --- | --- |
| [Electricity] | 1 | [GO TO HW4] |
| [Natural Gas] | 2 | [GO TO HW4] |
| [Propane] | 3 | [GO TO HW4] |
| [Solar (sun)] | 4 | [GO TO HW4] |
| Other (SPECIFY)  | 5 | [GO TO HW4] |
| [Don’t Know] | -97 | [GO TO HW4] |
| [Refused] | -98 | [GO TO HW4] |

**HW4** Is your water heater a traditional storage tank water heater or is it a tankless or on-demand type water heater? [If unsure ask] Does your water heater store water?

|  |  |  |
| --- | --- | --- |
| [Traditional storage tank] | 1 | [GO TO HW7] |
| [Tankless/on-demand] | 2 | [GO TO HW7] |
| Other (SPECIFY) | 3 | [GO TO HW7] |
| Don’t Know | -97 | [GO TO HW7] |
| Refused | -98 | [GO TO HW7] |

**HW7** What temperature is your hot water heater set for?

|  |  |  |
| --- | --- | --- |
| RECORD TEMPERATURE | #\_\_\_ | [GO TO HW9] |
| [Don’t know] | -97 | [GO TO HW8] |
| [Refused] | -98  | [GO TO HW8] |

**HW8** Is your water heater set at a... (Read All)

|  |  |  |
| --- | --- | --- |
| Low temperature: 100-120 degrees F? | 1 | [GO TO HW9] |
| Medium temperature: 125-140 F? | 2 | [GO TO HW9] |
| High temperature: 145-160 F? | 3 | [GO TO HW9] |
| [Don’t know] | -97 | [GO TO HW9] |
| [Refused] | -98  | [GO TO HW9] |

[IF &CLOTHESWASHER = FALSE AND &HOTWATER = TRUE, ELSE SKIP TO DUCT TESTING]

**HW9** Do you have a clothes washer?

|  |  |  |
| --- | --- | --- |
| [Yes] | 1 | [GO TO HW10] |
| [No]  | 2 | [GO TO HW11] |
| [Don’t Know] | -97 | [GO TO HW11] |
| [Refused] | -98 | [GO TO HW11] |

**HW10** Do you always, sometimes, or never wash your clothes in warm or hot water?

|  |  |  |
| --- | --- | --- |
| [Always] | 1 | [GO TO HW11] |
| [Sometimes] | 2 | [GO TO HW11] |
| [Never] | 3 | [GO TO HW11] |
| [Don’t Know] | -8 | [GO TO HW11] |
| [Refused] | -9 | [GO TO HW11] |

[IF &DISHWASHER = TRUE, GO TO DT1]

**HW11** Do you have a dishwasher?

|  |  |  |
| --- | --- | --- |
| [Yes] | 1 | [GO TO DT1] |
| [No]  | 2 | [GO TO DT1] |
| [Don’t Know] | -97 | [GO TO DT1] |
| [Refused] | -98 | [GO TO DT1] |

**DUCT TESTING BATTERY**

**[IF &DUCTTEST = TRUE]**

**DT1** I’d like to ask you some questions about the duct testing and sealing that was done in your home.

 Do you recall the technicians who worked on your home taking measurements of pressures and air flows in your duct systems?

|  |  |  |
| --- | --- | --- |
| Yes | 1 | [GO TO DT2] |
| No | 2 | [GO TO DT2] |
| [Don’t Know] | -97 | [GO TO DT2] |
| [Refused] | -98 | [GO TO DT2] |

**DT2** Do you recall the technicians who worked on your home repairing leaks or loose insulation on your ductwork?

|  |  |  |
| --- | --- | --- |
| Yes | 1 | [GO TO DT3] |
| No | 2 | [GO TO DT3] |
| [Don’t Know] | -97 | [GO TO DT3] |
| [Refused] | -98 | [GO TO DT3] |

**DT3** Was the duct system in your house installed or replaced during the time you have been living in your home?

|  |  |  |
| --- | --- | --- |
| Yes | 1 | [GO TO DT4] |
| No  | 2 | [GO TO LI1a] |
| [Don’t Know] | -97 | [GO TO LI1a] |
| [Refused] | -98 | [GO TO LI1a] |

**DT4** How long ago was the duct system installed or replaced? Would you say it was …

|  |  |  |
| --- | --- | --- |
| Less than 5 years ago | 1 | [GO TO NEXT CL8a] |
| Between 5 and 10 years ago | 2 | [GO TO NEXT CL8a] |
| 10 to 20 years ago  | 3 | [GO TO NEXT CL8a] |
| more than 20 years ago | 4 | [GO TO NEXT CL8a] |
| [Don’t know] | -97 | [GO TO NEXT CL8a] |
| [Refused] | -98 | [GO TO NEXT CL8a] |

**LIGHTING**

**[IF &LIGHTING = TRUE]**

In the next section we’ll be discussing the lighting equipment that received support from &SPONSOR &PROGRAM.

**[IF MEASURE-LEVEL RECORDS ARE AVAILABLE ASK LI1a THROUGH LI1c.**

**IF MEASURE-LEVEL RECORDS ARE NOT AVAILABLE, ASK LI2a THROUGH LI2c.]**

**[REPEAT LI1a - LI1c. for each &LI\_TECH in the tracking data. ]**

**LI1a.** Our records indicate that you installed &LI\_NUM of &WATT &LI\_TECH through the &Program. Is this correct?

|  |  |  |
| --- | --- | --- |
| [Yes, installed that number] | 1 | [GO TO LI1d] |
| [Did not install any of that technology] | 2 | [GO TO LI1A FOR NEXT &LI\_TECH] |
| [Technology correct, number wrong] | 3 | [GO TO LI1num] |
| [Don’t Know]  | -97 | [GO TO LI1A FOR NEXT &LI\_TECH] |
| [Refused] | -98 | [GO TO LI1A FOR NEXT &LI\_TECH] |

**LI1num.** What is the correct number of &LI\_TECH that you installed through the &Program?

|  |  |  |
| --- | --- | --- |
| ENTER NUMBER |  | [GO TO LI1c] |
| [Don’t Know]  | -97 | [GO TO LI1A FOR NEXT &LI\_TECH] |
| [Refused] | -98 | [GO TO LI1A FOR NEXT &LI\_TECH] |

**LI1c.** Why did you install a different number of &LI\_TECH?

|  |  |  |
| --- | --- | --- |
| Have no idea why numbers differ | 1 | [GO TO LI1d] |
| Put some in storage | 2 | [GO TO LI1d] |
| Installed some at another location in the U.S. | 3 | [GO TO LI1d] |
| Insufficient financial resources to complete full amount | 4 | [GO TO LI1d] |
| [Other, Specify\_\_\_\_\_\_] | 5 | [GO TO LI1d] |
| [Don’t know] | -97 | [GO TO LI1d] |
| [Refused] | -98 | [GO TO LI1d] |

**LI1d** I am going to read a list of rooms in your home. Please tell me the number of &LI\_TECH installed in these rooms.

|  |  |  |
| --- | --- | --- |
| Living/family room | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Dining room | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Den/Office | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Kitchen | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Bedrooms | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Bathrooms | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Closets | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Hallways | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Attic | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Basement | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Garage | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Yard/Outside | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Other (specify) | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |

**[ONCE ALL &LI\_TECHS FROM TRACKING DATA EXHAUSTED, SKIP TO LI3]**

**[IF MEASURE-LEVEL DATA ARE NOT AVAILABLE, ASK LI2a THROUGH LI2num]**

**LI2a.** Which of the following types of lighting equipment, if any, did you install with the support provided by the &PROGRAM? **[IF DON”T KNOW, ATTEMPT TO GET CONTACT INFORMATION OF PERSON WHO DOES.]**

**LI2num.** Approximately how many lighting fixtures did you purchase using the funds or technical support from the &SPONSOR &Program?

**RESPONSE GRID FOR LI1 AND LI2 SERIES OF QUESTIONS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **&LI\_TECH** | **LI1aTracking Verified?** | **LI1numCorrected# Install** | **LI1cReason for Diff** | **LI2aUntrackedTech Inst** | **LI2numUntracked# Install** |
|  | ***Lamps & Fixtures*** |  |  |  |  |  |
| 1 | &WATT Compact Fluorescent Bulbs |  |  |  |  |  |
| 2 | &WATT Compact Fluorescent, Hardwire |  |  |  |  |  |
| 3 | &WATT LED bulbs |  |  |  |  |  |
| 4 | &WATT LED Overhead Fixtures |  |  |  |  |  |
| 5 | Other Fixtures (Specify\_\_\_\_) |  |  |  |  |  |

**LI2d** I am going to read a list of rooms in your home. Please tell me the number of &LI\_TECH installed in these rooms.

|  |  |  |
| --- | --- | --- |
| Living/family room | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Dining room | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Den/Office | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Kitchen | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Bedrooms | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Bathrooms | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Closets | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Hallways | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Attic | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Basement | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Garage | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Yard/Outside | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |
| Other (specify) | #\_\_ | [GO TO LI1A FOR NEXT &LI\_TECH] |

**[ASK FOR EACH LIGHTING EQUIPMENT VERIFIED]**

**LI3** What was the wattage of the lighting that this &LI\_TECH replaced?

|  |  |  |
| --- | --- | --- |
| ENTER WATTAGE | \_\_ | [GO TO LI3 FOR NEXT &LI\_TECH] |
| [Don’t Know]  | -97 | [GO TO LI3 FOR NEXT &LI\_TECH] |
| [Refused] | -98 | [GO TO LI3 FOR NEXT &LI\_TECH] |

**COOLING EQUIPMENT BATTERY**

**[IF &COOLING = TRUE]**

**Now we would like to discuss the cooling equipment that received funding from &SPONSOR &PROGRAM**

**[IF MEASURE-LEVEL RECORDS ARE AVAILABLE ASK CL1 THROUGH CL6a.**

**IF MEASURE-LEVEL RECORDS ARE NOT AVAILABLE, SKIP TO CL-N1]**

**[REPEAT CL1 THROUGH CL6a FOR EACH &C\_TECH IN THE TRACKING DATA. ]**

**CL1.** Our records indicate that you installed &CTECH\_NUM &C\_TECH through the &PROGRAM. Is that correct?

|  |  |  |
| --- | --- | --- |
| [Yes, installed that number] | 1 | [GO TO CL3] |
| [Did not install any of that technology] | 2 | [GO TO CL1 FOR NEXT &C\_TECH] |
| [Technology correct, number wrong] | 3 | [GO TO CL2a] |
| [Don’t Know]  | -97 | [GO TO CL1 FOR NEXT &C\_TECH] |
| [Refused] | -98 | [GO TO CL1 FOR NEXT &C\_TECH] |

**CL2a.** How many &C\_TECH did you install?

|  |  |  |
| --- | --- | --- |
| RECORD NUMBER  | \_\_\_\_\_\_\_\_\_\_\_ | [GO TO CL2b] |
| Don’t know | -97 | [GO TO CL2b] |
| Refused | -98 | [GO TO CL2b] |

**CL5.** Our records indicate the &CTECH have an efficiency rating of &CTECH\_EFF &CTECH\_EFF\_UNITS Is that correct?

|  |  |  |
| --- | --- | --- |
| Yes | 1 | [GO TO CL1 FOR NEXT &C\_TECH] |
| No | 2 | [GO TO CL6a] |
| Don’t know | -97 | [GO TO CL1 FOR NEXT &C\_TECH] |
| Refused | -98 | [GO TO CL1 FOR NEXT &C\_TECH] |

**CL6a.** What is the correct efficiency rating?

|  |  |  |
| --- | --- | --- |
| RECORD EFFICIENCY NUMBER |  | [GO TO CL1 FOR NEXT &C\_TECH] |
| RECORD EFFICIENCY UNIT (EER, SEER, KW/TON, or specify other) |  | [GO TO CL1 FOR NEXT &C\_TECH] |
| Don’t know | -97 | [GO TO CL1 FOR NEXT &C\_TECH] |
| Refused | -98 | [GO TO CL1 FOR NEXT &C\_TECH] |

**RESPONSE GRID FOR CL1 TO CL6a**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **ITEM** | **CL1** | **CL2a** | **CL5** | **CL6a** |
| **1** | Evaporative coolers (swamp coolers) |  |  |  |  |
| **2** | Central air conditioner  |  |  |  |  |
| **3** | Heat pump  |  |  |  |  |
| **4** | Window/Wall Units |  |  |  |  |
| **77** | Other (Specify) |  |  |  |  |
| **97** | Don’t Know |  |  |  |  |
| **98** | Refused |  |  |  |  |

**[AFTER ALL MEASURES IN TRACKING DATA EXHAUSTED, SKIP TO CL-N1]**

**USE THE CL-N1 TO CL-N4 SEQUENCE IF THE PROGRAM TRACKING DATABASE DOES NOT CONTAIN MEASURE-LEVEL DATA**

**CL-N1.** What types of cooling equipment did you install with the assistance of &PROGRAM at &SERV\_ADD? **[ALLOW MULTIPLE ANSWERS]**

|  |  |  |
| --- | --- | --- |
| Evaporative coolers (swamp coolers) | 1 | [GO TO CL-N2] |
| Central air conditioner  | 2 | [GO TO CL-N2] |
| Heat pump  |  | [GO TO CL-N2] |
| Window/Wall Units | 3 | [GO TO CL-N2] |
| [Other (Specify\_\_\_\_\_\_\_)] | 77 | [GO TO CL-N2] |
| [Don’t Know] | -97  | [ATTEMPT TO GET CONTACT INFORMATION OF PERSON WHO KNOWS. THEN NEXT SECTION] |
| [Refused] | -98  | [GO TO NEXT SECTION] |

**CL-N2.** How many units of &C\_TECH did you install?

|  |  |  |
| --- | --- | --- |
| RECORD NUMBER  |  | [GO TO CL-N4] |
| Don’t know | 97 | [GO TO CL-N4] |
| Refused | 98 | [GO TO CL-N4] |

 **CL-N4.** What was the efficiency rating of the &CTECH\_EFF units that you installed through &PROGRAM? **[RECORD FOR ALL UNITS INSTALLED THROUGH &PROGRAM.]**

|  |  |  |
| --- | --- | --- |
| RECORD EFFICIENCY NUMBER |  |  [GO TO NEXT CL-N1] |
| RECORD EFFICIENCY UNIT (EER, SEER, KW/TON) |  | [GO TO NEXT CL-N1] |
| Don’t know | -97 | [GO TO NEXT CL-N1] |
| Refused | -98 | [GO TO NEXT CL-N1] |

**RESPONSE GRID FOR CL-N1 TO CL-N4**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **ITEM** | **CL-N1** | **CL-N2** | **CL-N4****Number** | **CL-N4****Units** |
| **1** | Evaporative coolers (swamp coolers) |  |  |  |  |
| **2** | Central air conditioner |  |  |  |  |
| **3** | Heat pump |  |  |  |  |
| **4** | Window/Wall Units |  |  |  |  |
| **77** | Other (Specify) |  |  |  |  |

**ASK CL8a THROUGH CL8f FOR EACH MEASURE IDENTIFIED IN CL1 AND CL-N1]**

**Next, I'd like to ask you a few questions about the equipment that was removed and replaced when you installed the new cooling equipment though the program.**

**CL8a.** What types of cooling equipment, if any, were replaced when installing the new &C\_TECH? **[SELECT ALL THAT APPLY]**

|  |  |  |
| --- | --- | --- |
| SELECT EQUIPMENT TYPE |  | [RECORD AS &C\_TECH\_REM][GO TO CL8b] |
| None | 77 | [GO TO CL9] |
| [Don’t Know] | -97  | [GO TO CL8a FOR NEXT &C\_TECH] |
| [Refused]… | -98  | [GO TO CL8a FOR NEXT &C\_TECH] |

**CL8b.** How many units were removed?

|  |  |  |
| --- | --- | --- |
| RECORD NUMBER  | \_\_\_\_\_\_\_\_\_\_\_ | [GO TO CL8d] |
| Don’t know | -97 | [GO TO CL8d] |
| Refused | -98 | [GO TO CL8d] |

**CL8d.** Generally, how would you describe the condition of &C\_TECH\_REM that was removed and replaced? Was it…

|  |  |  |
| --- | --- | --- |
| Inoperable (broken) | 1 | [GO TO CL8f] |
| Poor condition | 2 | [GO TO CL8f] |
| Fair condition | 3 | [GO TO CL8f] |
| Good condition | 4 | [GO TO CL8f] |
| [Don’t know] | -97 | [GO TO CL8f] |
| [Refused] | -98 | [GO TO CL8f] |

**CL8f.** On average, how old was the &C\_TECH\_REM that was removed and replaced? Would you say…

|  |  |  |
| --- | --- | --- |
| Less than 5 years old | 1 | [GO TO NEXT CL8a] |
| Between 5 and 10 years old | 2 | [GO TO NEXT CL8a] |
| 10 to 20 years old | 3 | [GO TO NEXT CL8a] |
| more than 20 years old | 4 | [GO TO NEXT CL8a] |
| [Don’t know] | -97 | [GO TO NEXT CL8a] |
| [Refused] | -98 | [GO TO NEXT CL8a] |

**RESPONSE GRID FOR CL8 SERIES**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **CL8a** | **CL8b** | **CL8d** | **CL8f** |
| **0** | **No A/C Removed** |  | **skip** | **skip** | **skip** |
| **1** | **Evaporative coolers** (swamp coolers) |  |  |  |  |
| **2** | **Central air conditioner** |  |  |  |  |
| **3** | **Heat pump** |  |  |  |  |
| **4** | **Window/Wall Units** |  |  |  |  |
| **77** | Other (Specify) |  |  |  |  |

**HEATING EQUIPMENT BATTERY**

**[IF &HEATING = TRUE]**

**Now we would like to discuss the heating equipment that received funding from &SPONSOR &PROGRAM**

**[IF MEASURE-LEVEL RECORDS ARE AVAILABLE ASK HT1 THROUGH HT6a.**

**IF MEASURE-LEVEL RECORDS ARE NOT AVAILABLE, SKIP TO HT-N1]**

**[REPEAT HT1 THROUGH HT6a FOR EACH &H\_TECH IN THE TRACKING DATA. ]**

**HT1.** Our records indicate that you installed &HTECH\_NUM &H\_TECH through the &PROGRAM. Is that correct?

|  |  |  |
| --- | --- | --- |
| [Yes, installed that number] | 1 | [GO TO HT5] |
| [Did not install any of that technology] | 2 | [GO TO HT1 FOR NEXT &H\_TECH] |
| [Technology correct, number wrong] | 3 | [GO TO HT2a] |
| [Don’t Know]  | -97 | [GO TO HT1 FOR NEXT &H\_TECH] |
| [Refused] | -98 | [GO TO HT1 FOR NEXT &H\_TECH] |

**HT2a.** How many &H\_TECH did you install?

|  |  |  |
| --- | --- | --- |
| RECORD NUMBER  | \_\_\_\_\_\_\_\_\_\_\_ | [GO TO HT25] |
| Don’t know | -97 | [GO TO HT5] |
| Refused | -98 | [GO TO HT5] |

**HT5.** Our records indicate the &HTECH have an efficiency rating of &HTECH\_EFF &HTECH\_EFF\_UNITS. Is that correct?

|  |  |  |
| --- | --- | --- |
| Yes | 1 | [GO TO HT7] |
| No | 2 | [GO TO HT6a] |
| [Don’t know] | -97 | [GO TO HT7] |
| [Refused] | -98 | [GO TO HT7] |

**HT6a.** What is the correct efficiency rating?

|  |  |  |
| --- | --- | --- |
| RECORD EFFICIENCY NUMBER |  | [GO TO HT7] |
| RECORD EFFICIENCY UNIT (AFUE, thermal efficiency, or specify other) |  | [GO TO HT7] |
| Don’t know | -97 | [GO TO HT7] |
| Refused | -98 | [GO TO HT7] |

**HT7** What fuel does &HTECH use?

|  |  |  |
| --- | --- | --- |
| Natural Gas | 1 | [GO TO HT1 FOR NEXT &H\_TECH] |
| Electric | 2 | [GO TO HT1 FOR NEXT &H\_TECH] |
| Propane | 3 | [GO TO HT1 FOR NEXT &H\_TECH] |
| Wood | 4 | [GO TO HT1 FOR NEXT &H\_TECH] |
| Solar | 5 | [GO TO HT1 FOR NEXT &H\_TECH] |
| Other | 6 | [GO TO HT1 FOR NEXT &H\_TECH] |

**RESPONSE GRID FOR HT1 TO HT6a**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **ITEM** | **HT1** | **HT2a** | **HT2b** | **HT5** | **HT6a** | **HT7** |
| **1** | Natural Gas Boiler |  |  |  |  |  |  |
| **2** | Wood Pellet Boiler |  |  |  |  |  |  |
| **3** | Furnace |  |  |  |  |  |  |
| **4** | Heat pump |  |  |  |  |  |  |
| **77** | Other (Specify) |  |  |  |  |  |  |
| **97** | Don’t Know |  |  |  |  |  |  |
| **98** | Refused |  |  |  |  |  |  |

**USE THE HT-N1 TO HT-N4 SEQUENCE IF THE PROGRAM TRACKING DATABASE DOES NOT CONTAIN MEASURE-LEVEL DATA**

**HT-N1.** What types of heating equipment did you install with the assistance of &PROG at &SERV\_ADD? **[ALLOW MULTIPLE ANSWERS]**

|  |  |  |
| --- | --- | --- |
| Natural Gas Boiler | 1 | [GO TO HT-N4] |
| Wood Pellet Boiler | 2 | [GO TO HT-N4] |
| Furnace | 3 | [GO TO HT-N4] |
| Heat pump | 4 | [GO TO HT-N4] |
| Other (Specify) | 77 | [GO TO HT-N4] |
| [Don’t Know] | -97  | ATTEMPT TO GET CONTACT INFORMATION OF PERSON WHO DOES KNOW. [THEN GO TO NEXT SECTION] |
| [Refused] | -98  | [GO TO NEXT SECTION] |

**HT-N4.** What was the efficiency rating of the &HTECH\_EFF units that you installed? [RECORD FOR ALL UNITS INSTALLED THROUGH &PROGRAM.]

|  |  |  |
| --- | --- | --- |
| RECORD EFFICIENCY NUMBER |  | [GO TO HT-N7] |
| RECORD EFFICIENCY UNIT (AFUE, Thermal efficiency, specify other) |  | [GO TO HT-N7] |
| Don’t know | -97 | [GO TO HT-N7] |
| Refused | -98 | [GO TO HT-N7]  |

**HT-N7** What fuel does &HTECH use?

|  |  |  |
| --- | --- | --- |
| Natural Gas | 1 | [GO TO HT1 FOR NEXT &H\_TECH] |
| Electric | 2 | [GO TO HT1 FOR NEXT &H\_TECH] |
| Propane | 3 | [GO TO HT1 FOR NEXT &H\_TECH] |
| Wood | 4 | [GO TO HT1 FOR NEXT &H\_TECH] |
| Solar | 5 | [GO TO HT1 FOR NEXT &H\_TECH] |
| Other | 6 | [GO TO HT1 FOR NEXT &H\_TECH] |

**RESPONSE GRID FOR HT-N1 TO HT-N4**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **ITEM** | **HT-N1** | **HT-N4****Number** | **HT-N4****Units** |
| **1** | Natural Gas Boiler |  |  |  |
| **2** | Wood Pellet Boiler |  |  |  |
| **3** | Furnace |  |  |  |
| **74** | Heat pump |  |  |  |
| **77** | Other (Specify) |  |  |  |

**ASK HT8a THROUGH HT8f FOR EACH MEASURE IDENTIFIED IN HT1 AND HT-N1]**

Next, I'd like to ask you a few questions about the equipment that was removed and replaced when you installed the new heating equipment with the assistance of &PROG.

**HT8a.** What types of heating equipment, if any, were replaced when installing the new &H\_TECH? **[SELECT ALL THAT APPLY]**

|  |  |  |
| --- | --- | --- |
| Natural Gas Boiler | 1 | [GO TO RECORD AS &H\_TECH\_REM] |
| Wood Pellet Boiler | 2 | [GO TO RECORD AS &H\_TECH\_REM] |
| Furnace | 3 | [GO TO RECORD AS &H\_TECH\_REM] |
| Heat pump | 4 | [GO TO RECORD AS &H\_TECH\_REM] |
| None | 5 | [GO TO HT9] |
| [Don’t Know] | -97  | [GO TO HT8a FOR NEXT &H\_TECH] |
| [Refused]… | -98  | [GO TO HT8a FOR NEXT &H\_TECH] |

**[ASK HT8b THROUGH HT8f FOR EACH MEASURE IDENTIFIED IN HT8a]**

**HT8d.** Generally, how would you describe the condition of &H\_TECH\_REM that was removed and replaced? Was it…

|  |  |  |
| --- | --- | --- |
| Inoperable (broken) | 1 | [GO TO HT8f] |
| Poor condition | 2 | [GO TO HT8f] |
| Fair condition | 3 | [GO TO HT8f] |
| Good condition | 4 | [GO TO HT8f] |
| [Don’t know] | -97 | [GO TO HT8f] |
| [Refused] | -98 | [GO TO HT8f] |

**HT8f.** On average, how old was the &H\_TECH\_REM that was removed and replaced? Would you say…

|  |  |  |
| --- | --- | --- |
| Less than 5 years old | 1 | [GO TO NEXT HT8a] |
| Between 5 and 10 years old | 2 | [GO TO NEXT HT8a] |
| 10 to 20 years old | 3 | [GO TO NEXT HT8a] |
| more than 20 years old | 4 | [GO TO NEXT HT8a] |
| [Don’t know] | -97 | [GO TO NEXT HT8a] |
| [Refused] | -98 | [GO TO NEXT HT8a] |

**RESPONSE GRID FOR HT8**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **HT8a** | **HT8d** | **HT8f** |
| **0** | **No heating Removed** |  | **skip** | **skip** |
| **1** | Natural Gas Boiler |  |  |  |
| **2** | Wood Pellet Boiler |  |  |  |
| **3** | Furnace |  |  |  |
| **4** | Heat pump |  |  |  |
| **77** | Other (Specify) |  |  |  |

INSULATION

**[ASK IF &INSULATION = TRUE]**

**RR4R** Did you add insulation in the walls, the attic or ceiling or both with the assistance of &PROG?

|  |  |  |
| --- | --- | --- |
| Wall Only | 1 | [GO TO RR4R1a] |
| Attic or Ceiling Only | 2 | [GO TO RR4R2a] |
| Both | 3 | [GO TO RR4R1a] |
| [Don’t know] | -97 | [GO TO I3\_9] |
| [Refused] | -98 | [GO TO I3\_9] |

**RR4R1A** Did you have some insulation in the walls before adding this insulation?

|  |  |  |
| --- | --- | --- |
| Yes | 1 | [GO TO RR4R1b] |
| No | 2 | [GO TO RR4R1c] |
| [Don’t know] | -97 | [GO TO RR4R1c] |
| [Refused] | -98 | [GO TO RR4R1c] |

**RR4R1B** What was the R value or number of inches of the wall insulation previously?

|  |  |  |
| --- | --- | --- |
| ENTER R VALUE | \_\_ | [GO TO RR4R1c] |
| ENTER INCHES | \_\_ | [GO TO RR4R1c] |
| [Don’t know] | -97 | [GO TO RR4R1c] |
| [Refused] | -98 | [GO TO RR4R1c] |

**RR4R1C** What is the current R value or number of inches of the wall insulation after adding insulation?

|  |  |  |
| --- | --- | --- |
| ENTER R VALUE | \_\_ | [GO TO RR4R1d] |
| ENTER INCHES | \_\_ | [GO TO RR4R1d] |
| [Don’t know] | -97 | [GO TO RR4R1d] |
| [Refused] | -98 | [GO TO RR4R1d] |

**RR4R1E** How many rooms were insulated?

|  |  |  |
| --- | --- | --- |
| SQUARE FOOTAGE OF WALLS INSULATED | \_\_ | [GO TO RR4R2a] |
| [Don’t know] | -97 | [GO TO RR4R2a] |
| [Refused] | -98 | [GO TO RR4R2a] |

**RR4R2A [**ASK IF RR4R = 2 OR 3] Did you have insulation in the attic or ceilings before adding this insulation?

|  |  |  |
| --- | --- | --- |
| Yes | 1 | [GO TO RR4R2aa] |
| No | 2 | [GO TO RR4R2c] |
| [Don’t know] | -97 | [GO TO RR4R2c] |
| [Refused] | -98 | [GO TO RR4R2c] |

**RR4R2AA** Did you replace or add to the existing insulation?

|  |  |  |
| --- | --- | --- |
| Replace | 1 | [GO TO RR4R2b] |
| Add to | 2 | [GO TO RR4R2b] |
| [Don’t know] | -97 | [GO TO RR4R2b] |
| [Refused] | -98 | [GO TO RR4R2b] |

**RR4R2B** About what percentage of your attic or ceiling was insulated through this project?

|  |  |  |
| --- | --- | --- |
| ENTER PERCENT  | \_\_ | [GO TO RR4R2b1] |
| [Don’t know] | -97 | [GO TO RR4R2b1] |
| [Refused] | -98 | [GO TO RR4R2b1] |

**RR4R2B1** With how many inches of insulation was the attic previously insulated?

|  |  |  |
| --- | --- | --- |
| ENTER INCHES | \_\_ | [GO TO RR4R2c] |
| [Don’t know] | -97 | [GO TO RR4R2c] |
| [Refused] | -98 | [GO TO RR4R2c] |

**RR4R2C1** With how many inches of insulation is now in the attic?

|  |  |  |
| --- | --- | --- |
| ENTER INCHES | \_\_ | [GO TO I3\_X] |
| [Don’t know] | -97 | [GO TO I3\_X] |
| [Refused] | -98 | [GO TO I3\_X] |

SHOWERHEAD AND FAUCET AERATORS

[IF &SHOWERHEAD = TRUE]

I3\_X (IF NOT ALREADY CONFIRMED) How many showerheads were installed with the assistance of &PROG?

|  |  |  |
| --- | --- | --- |
| ENTER NUMBER OF SHOWERHEADS | \_\_ | [GO TO I3\_9] |
| [Don’t know] | -97 | [GO TO I3\_9] |
| [Refused] | -98 | [GO TO I3\_9] |

**I3\_9** Where was the &NTH showerhead installed? (REPEAT I3\_9 to I3\_12 FOR ALL SHOWERHEADS IN I3\_X)

|  |  |  |
| --- | --- | --- |
| Main shower (only one shower) | 1 | [GO TO I3\_11] |
| Master bathroom shower | 2 | [GO TO I3\_11] |
| Guest shower | 3 | [GO TO I3\_11] |
| Outdoor shower | 4 | [GO TO I3\_11] |
| Other (SPECIFY) | 5 | [GO TO I3\_11] |
| [Don’t know] | -97 | [GO TO I3\_11] |
| [Refused] | -98 | [GO TO I3\_11] |

**I3\_13** (IF NOT ALREADY CONFIRMED) How many faucet aerators were installed with the assistance of &PROG?

|  |  |  |
| --- | --- | --- |
| ENTER NUMBER OF AERATORS | \_\_ | [GO TO I3\_13\_X] |
| [Don’t know] | -97 | [GO TO I3\_13\_X] |
| [Refused] | -98 | [GO TO I3\_13\_X] |

**OTHER EQUIPMENT BATTERY**

**[IF & OTHER = TRUE]**

**[IF MEASURE-LEVEL RECORDS ARE AVAILABLE ASK OE1a THRU OE1c.**

 **IF MEASURE-LEVEL RECORDS ARE NOT AVAILABLE, ASK OE2a THRU OE2c.]**

**[REPEAT OE1a THRU OE1c. for each &OE\_TECH in the tracking data. ]**

**OE1a.** Our records indicate that you installed &OE\_NUM of &OE\_TECH through the &Program, is this correct?

|  |  |  |
| --- | --- | --- |
| [Yes, installed that number] | 1 | [GO TO OE1a FOR NEXT &OE\_TECH] |
| [Did not install any of that technology]  | 2 | [GO TO OE1a FOR NEXT &OE\_TECH] |
| [Technology correct, number wrong] | 3 | [GO TO OE1b] |
| Refused] | -98 | [GO TO OE1a FOR NEXT &OE\_TECH] |
| [Don’t Know] | -97 | [GO TO OE1a FOR NEXT &OE\_TECH] |

**OE1b.** What is the correct number of &OE\_TECH that you installed through the &Program?

|  |  |  |
| --- | --- | --- |
| [ENTER NUMBER] | \_\_\_\_\_\_ | [GO TO OE1c] |
| [Don’t know] | -97 | [GO TO OE1c] |
| [Refused] | -98 | [GO TO OE1c] |

**OE1c.** Why did you install a different number of &OE\_TECH? [ACCEPT MULTIPLE ANSWERS]

|  |  |  |
| --- | --- | --- |
| Have no idea why numbers differ | 1 | [GO TO OE1a FOR NEXT &OE\_TECH] |
| Put some in storage | 2 | [GO TO OE1a FOR NEXT &OE\_TECH] |
| Installed at another location in the U.S. | 3 | [GO TO OE1a FOR NEXT &OE\_TECH] |
| Funding insufficient to complete full amount | 4 | [GO TO OE1a FOR NEXT &OE\_TECH] |
| Other | 77 | [GO TO OE1a FOR NEXT &OE\_TECH] |
| Refused | -98 | [GO TO OE1a FOR NEXT &OE\_TECH] |
| Don't know | -97 | [GO TO OE1a FOR NEXT &OE\_TECH] |

**[IF MEASURE-LEVEL DATA ARE NOT AVAILABLE, ASK OE2a THRU OE2c.]**

**OE2a.** Did you install any other kinds of energy efficiency measures through the program?

|  |  |  |
| --- | --- | --- |
| Yes | 1 | [GO TO OE2b] |
| No | 2 | [GO TO NEXT SECTION] |
| [Refused] | -98 | [GO TO NEXT SECTION] |
| [Don’t Know] | -97 | [GO TO NEXT SECTION] |

**OE2b.** Which kinds of additional measures did you install through the program?

**OE2c. [FOR EACH MEASURE TYPE MENTIONED.]** Approximately how many &OE\_TECH were purchased using the &SPONSOR &PROGRAM funding?

**OE2e. [FOR EACH MEASURE TYPE MENTIONED.]** How many of the &OE\_TECH purchased using the &SPONSOR &PROGRAM funding were used to replace existing &OE\_TECH units?

**RESPONSE GRID FOR OE1 AND OE2 SERIES**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **OE\_TECH** | **OE1aTracking Verified?** | **OE1bCorrected# Install** | **OE1cReason for Diff** | **OE2a/bUntrackedTech Inst** | **OE2cUntracked# Install** | **OE2e # replacing existing construction** |
| 1 | Specify: |  |  |  |  |  |  |
| 2 | Specify: |  |  |  |  |  |  |
| 3 | Specify: |  |  |  |  |  |  |
| 4 | Specify: |  |  |  |  |  |  |
| 5 | Specify: |  |  |  |  |  |  |
| 6 | Specify: |  |  |  |  |  |  |

**[FOR EACH MEASURE TYPE REPORTED IN OE1 AND OE2 where OE2e > 0, ASK OE3]**

**OE3.** What types of equipment were replaced when installing &OE\_TECH

|  |  |  |
| --- | --- | --- |
| SPECIFY | \_\_\_\_\_\_ | [GO TO OE3a] |
| Don’t know | -97 | [GO TO OE3 FOR NEXT &OE\_TECH] |
| Refused | -98 | [GO TO OE3 FOR NEXT &OE\_TECH] |

**[FOR EACH EQUIPMENT TYPE REPLACED, ASK OE3a]**

**OE3a.** Did you remove the same amount of &OE\_TECH as you installed through the project?

|  |  |  |
| --- | --- | --- |
| Yes | 1 | [GO TO OE3d] |
| No | 2 | [GO TO OE3b] |
| Refused] | -98 | [GO TO OE3d] |
| [Don’t Know] | -97 | [GO TO OE3d] |

**OE3b.** Did you remove more or less &OE\_TECH than you installed through the project?

|  |  |  |
| --- | --- | --- |
| More | 1 | [GO TO OE3c] |
| Fewer | 2 | [GO TO OE3c] |
| [Refused] | -98 | [GO TO OE3d] |
| [Don’t Know] | -97 | [GO TO OE3d] |

**OE3c.** How much more/less &OE\_TECH did you install?

|  |  |  |
| --- | --- | --- |
| [ENTER NUMBER] | \_\_\_\_\_\_ | [GO TO OE3d] |
| Don’t know | -97 | [GO TO OE3d] |
| Refused | -98 | [GO TO OE3d] |

**OE3d.** What was the condition of the removed equipment?

|  |  |  |
| --- | --- | --- |
| Inoperable (broken) | 1 | [GO TO OE3e] |
| Poor condition | 2 | [GO TO OE3e] |
| Fair condition | 3 | [GO TO OE3e] |
| Good condition | 4 | [GO TO OE3e] |
| Refused | -98 | [GO TO OE3e] |
| Don’t know | -97 | [GO TO OE3e] |

**OE3e.** How old was the removed equipment?

|  |  |  |
| --- | --- | --- |
| Less than 5 years old | 1 | [GO TO OE3 FOR NEXT &OE\_TECH] |
| Between 5 and 10 years old | 2 | [GO TO OE3 FOR NEXT &OE\_TECH] |
| 10 to 20 years old | 3 | [GO TO OE3 FOR NEXT &OE\_TECH] |
| More than 20 years old | 4 | [GO TO OE3 FOR NEXT &OE\_TECH] |
| Refused | -98 | [GO TO OE3 FOR NEXT &OE\_TECH] |
| Don't know | -97 | [GO TO OE3 FOR NEXT &OE\_TECH] |

**RESPONSE GRID OE3**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **OE3** | **OE3aRemove same amount** | **OE3bRemove more or less** | **OE3cAmount removed** | **OE3d Condition removed equip** | **OE3dAge removed equip** |
| 1 | Specify: |  |  |  |  |  |
| 2 | Specify: |  |  |  |  |  |
| 3 | Specify: |  |  |  |  |  |
| 4 | Specify: |  |  |  |  |  |
| 5 | Specify: |  |  |  |  |  |
| 6 | Specify: |  |  |  |  |  |

**Direct Attribution**

**Now, I’d like to ask you a few questions about the effect that the &PROGRAM had on your decision to undertake the project we have been discussing.**

OVERALL INFLUENCE

[FOR EACH MEASURE GROUP COVERED ABOVE REPEAT DA0 THROUGH DA ]

**DA0.** Without the &SPONSOR &PROGRM, would you say the likelihood of [installing / performing] the &MEASURE was… [READ LIST]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| RESPONSE | &MEASURETYPE | &MEASURETYPE | &MEASURETYPE | &MEASURETYPE |
| **Very likely** | 1 | 1 | 1 | 1 |
| **Somewhat likely** | 2 | 2 | 2 | 2 |
| **Not very likely** | 3 | 3 | 3 | 3 |
| **Or very *un*likely** | 4 | 4 | 4 | 4 |
| [Don’t know] | -97 | -97 | -97 | -97 |
| [Refused] | -98 | -98 | -98 | -98 |

**TIMING**

**ASK TIMING QUESTIONS ONLY FOR MEASURES WHERE DA0 = 1 OR 2 (VERY LIKELY OR SOMEWHAT LIKELY TO HAVE IMPLEMENTED IN THE ABSENCE OF THE PROGRAM.**

AT1. I’d like to know about the effect, if any, that &PROGRAM had on the timing of your project. Without the support from the &PROGRAM, would you have implemented &MEASURE at the same time as you actually did through the project, earlier than you did, later than you did … or would you not have installed the measure at all in the absence of the program?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| RESPONSE | &MEASURETYPE | &MEASURETYPE | &MEASURETYPE | &MEASURETYPE |
| **Same time** | 1 | 1 | 1 | 1 |
| **Earlier** | 2 | 2 | 2 | 2 |
| **Later** | 3 | 3 | 3 | 3 |
| **Would never have installed** | 4 | 4 | 4 | 4 |
| [Don’t know] | -97 | -97 | -97 | -97 |
| [Refused] | -98 | -98 | -98 | -98 |

 **[IF AT1a ≠ LATER, SKIP TO NEXT MEASURE]**

**AT1b.** Approximately how many months later?[Try to get a number. Try bracketing if necessary by beginning with more or less than four years later.]

|  |  |
| --- | --- |
|  | **DAT1b\_&MEASURE** |
| [RECORD # OF MONTHS] | \_\_\_\_\_\_\_ |
| [Don’t know] | -97 |

**QUANTITY**

**ASK QUANTITY QUESTIONS ONLY FOR MEASURES WHERE DAT0 = 1 OR 2 (VERY LIKELY OR SOMEWHAT LIKELY TO HAVE IMPLEMENTED IN THE ABSENCE OF THE PROGRAM. THIS SEQUENCE APPLIES ONLY FOR LIGHTING AND INSULATION.**

**Finally, I’d like to know about the effect, if any, that your participation in the &PROGRAM had on the scale of the project you completed with the support of the program.**

**AQ1.** Without the support from &SPONSOR &PROGRAM would you have installed more <measure>, less, about the same amount, or would you not have installed any quantity of the measure at all?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| RESPONSE | DAT0\_MID1 | DAT0\_MID2 | DAT0\_MID3 | DAT0\_MID4 |
| Same amount | 1 | 1 | 1 | 1 |
| Less or smaller | 2Read AQ3a | 2Read AQ3a | 2Read AQ3a | 2Read AQ3a |
| More or larger | 3Read AQ3a | 3Read AQ3a | 3Read AQ3a | 3Read AQ3a |
| Would not have installed any | 4 | 4 | 4 | 4 |
| [Not Applicable] | 5 | 5 | 5 | 5 |
| [Don’t know] | -97 | -97 | -97 | -97 |
| [Refused] | -98 | -98 | -98 | -98 |

**AQ3\_O. Why do you say that?** **[RECORD VERBATIM]**

 **[IF AQ3 = SAME or NOT INSTALLED ANY, SKIP TO OP1.]**

**AQ3a.** By what percentage do you think you increased or decreased the amount of <&MEASURE installed because of the &SPONSOR &PROGRAM?

|  |
| --- |
| Calculate percent: abs([(amount installed) / (amount would have installed)] - 100%)The response can be greater or less than 100 percent. Two examples:* Example 1. Household installed 8, but would have installed 2 without the program. Change is 300 percent.
* Example 2. Household installed 4, would have installed 3 without the program. Change is 33 percent.

Record a positive % even if they decreased the amount that they installed.* Example 3. Household installed 8 but would have installed 10 w/out the program. Change is 20 percent.
* Example 4. Household installed 4 but would have installed 6 without the program. Change is 33 percent.
 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| RESPONSE | DAT0\_MID1 | DAT0\_MID2 | DAT0\_MID3 | DAT0\_MID4 |
| [RECORD %] | \_\_\_\_\_\_\_\_\_% | \_\_\_\_\_\_\_\_\_% | \_\_\_\_\_\_\_\_\_% | \_\_\_\_\_\_\_\_\_% |
| Don’t know | -97 | -97 | -97 | -97 |
| Refused | -98 | -98 | -98 | -98 |

**EFFECT OF OTHER PROGRAMS**

**OP1** In completing the project[s] supported by [NAME OF SEP PA], did you make use of financial or technical support programs offered by other sponsors, such as local utilities, industry associations, or government agencies? For this question we are not interested in commercial offers such as rebate and incentive packages from manufacturers, vendors, or retailers.

|  |  |  |
| --- | --- | --- |
| [YES] | 1 | **[ASK OP2]** |
| [NO] | 2 | **[GO TO D0]**  |
| [DON’T KNOW] | -97 | **[GO TO D0]** |
| [REFUSED] | -98 | **[GO TO D0]** |

**OP2.** Which organization[s] sponsored the [those] program[s]?

**[RECORD RESPONSE]** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**IF ONLY ORGANIZATIONS MENTIONED ARE MANUFACTURERS, DISTRIBUTORS, CONTRACTORS, OR ENGINEERS, SKIP TO SKIP TO D0.**

**OP3.** What kinds of services did you receive from those programs in support of the project?

|  |  |  |
| --- | --- | --- |
| Information to guide project planning and equipment selection | 1 | **[GO TO OP5]** |
| Technical assistance such as energy audits, financial analyses, and design support | 2 | **[GO TO OP5]** |
| Identification of qualified contractors | 3 | **[GO TO OP5]** |
| Financial incentives such as rebates, reduced-interest loans, or loan guarantees | 4 | **[ASK OP4]** |
| Tax credits | 5 | **[ASK OP4]** |
| Other (Specify)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 8 | **[GO TO OP5]** |
| Don’t know | -97 | **[GO TO OP5]** |
| Refused | -98 | **[GO TO OP5]** |

**OP4** What was the amount of the incentive[s] that you received from the other program[s] you have mentioned?

|  |  |  |
| --- | --- | --- |
| ENTER AMOUNT | \_\_\_\_\_ | **[GO TO OP5]**  |
| [DON’T KNOW] | -97 | **[GO TO OP4a]**  |
| [REFUSED] | -98 | **[GO TO OP4a]**  |

**IF RESPONDENT RECEIVED FINANCIAL INCENTIVES FROM &PROGRAM, ASK OP4a. ELSE SKIP TO OP5.**

**OP4a** Would you say that the amount of the incentive[s] you received from the other programs you have mentioned was larger, smaller, or about the same as the amount you received from &PROGRAM?

|  |  |  |
| --- | --- | --- |
| [LARGER] | 1 | **[GO TO OP5]** |
| [SMALLER] | 2 | **[GO TO OP5]**  |
| [ABOUT THE SAME] | 3 | **[GO TO OP5]** |
| [DON’T KNOW] | -97 | **[GO TO OP5]**  |
| [REFUSED] | -98 | **[GO TO OP5]** |

**READ:** We would like to understand how much the other programs you used affected your motivation and ability to carry out the energy efficiency project we have been discussing, beyond what you would most likely have done using the resources from the &SPONSOR &PROGRAM alone.

**OP5.** If you had been able to access ***only*** the resources of the &SPONSOR &PROGRAM, but not those of the other programs you used, how likely is it that you would have carried out the &MEASURE? Would you say the likelihood of undertaking that measure was … [READ LIST]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| RESPONSE | OP5\_MID1 | OP5\_MID2 | OP5\_MID3 | OP5\_MID4 |
| **Very likely** | 1 | 1 | 1 | 1 |
| **Somewhat likely** | 2 | 2 | 2 | 2 |
| **Not very likely** | 3 | 3 | 3 | 3 |
| **Or very *un*likely** | 4 | 4 | 4 | 4 |
| [Don’t know] | -97 | -97 | -97 | -97 |
| [Refused] | -98 | -98 | -98 | -98 |

**OP6.** If you had been able to access ***only*** the resources of the &SPONSOR &PROGRAM, but not those of the other programs you used , would you have installed more or/a larger sized <measure>, less, about the same amount, or would you not have installed any quantity of the measure at all?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| RESPONSE | OP6\_MID1 | OP6\_MID2 | OP6\_MID3 | OP6\_MID4 |
| Same amount | 1 | 1 | 1 | 1 |
| Less or smaller | 2Read OP7 | 2Read OP7 | 2Read OP7 | 2Read OP7 |
| More or larger | 3Read OP7 | 3Read OP7 | 3Read OP7 | 3Read OP7 |
| None at all | 4 | 4 | 4 | 4 |
| [Not Applicable] | 5 | 5 | 5 | 5 |
| [Don’t know] | -97 | -97 | -97 | -97 |
| [Refused] | -98 | -98 | -98 | -98 |

**[IF OP6 = SAME or NOT INSTALLED ANY, SKIP TO OP1.]**

**OP7.** By what percentage do you think you increased or decreased the amount of <&MEASURE installed because of the &SPONSOR &PROGRAM?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| RESPONSE | OP7\_MID1 | OP7\_MID2 | OP7\_MID3 | OP7\_MID4 |
| [RECORD %] | \_\_\_\_\_\_\_\_\_% | \_\_\_\_\_\_\_\_\_% | \_\_\_\_\_\_\_\_\_% | \_\_\_\_\_\_\_\_\_% |
| Don’t know | -97 | -97 | -97 | -97 |
| Refused | -98 | -98 | -98 | -98 |

**OP8.** Did you first become aware of the opportunities to reduce energy use in &STR\_ADDRESS through &SPONSOR &PROGRAM, through the other energy efficiency programs in which you participated, or through some other source?

|  |  |  |
| --- | --- | --- |
| Through the SEP PA | 1 | **[GO TO OP9]** |
| Through other energy efficiency program [s] | 2 | **[GO TO OP9]**  |
| Through another source | 3 | **[GO TO OP9]**  |
| [DON’T KNOW] | -97 | **[GO TO OP9]**  |
| [REFUSED] | -98 | **[GO TO OP9]** |

**OP9** In your opinion, was the &SPONSOR’s &PROGRAM more important in encouraging and enabling you [your organization] to carry out the energy efficiency project we have been discussing; was the other program more important; or were they both equally important?

|  |  |
| --- | --- |
| SEP PA | 1 |
| Other program | 2 |
| Both equally important | 3 |
| [Don’t know] | -97 |
| [Refused] | -98 |

**OP10** Why do you say that?

**[RECORD VERBATIM]**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SKIP TO D0.**

**HOUSING AND DEMOGRAPHICS**

**D0** We are almost finished. I just have a few additional questions about your &HOMTYPE to make sure we are getting a representative sample of participants.

**[IF &HOMETYPE = “home” GO TO D1]**

**D0a** About how many apartment units are located in the building at the property?

|  |  |  |
| --- | --- | --- |
| ENTER NUMBER OF UNITS | # \_\_ | [GO TO D0b] |
| [Don’t know] | -97 | [GO TO D0b] |
| [Refused] | -98 | [GO TO D0b] |

**D0b** What is the average apartment size in square feet?

|  |  |  |
| --- | --- | --- |
| ENTER SQUARE FOOTAGE | \_\_\_\_ sq. ft. | [GO TO D0c] |
| [Don’t know] | -97 | [GO TO D0c] |
| [Refused] | -98 | [GO TO D0c] |

**D0c** On average, how many bedrooms do you have in each unit of your building? (If a one-room efficiency, or studio apartment, bedrooms=0)

|  |  |  |
| --- | --- | --- |
| ENTER NUMBER OF BEDROOMS | # \_\_\_\_\_ | [GO TO D0d] |
| [Don’t know] | -97 | [GO TO D0d] |
| [Refused] | -98 | [GO TO D0d] |

**D0d** About when was this building first built?

|  |  |  |
| --- | --- | --- |
| Before 1970’s | 1 | [GO TO HC1] |
| 1970’s | 2 | [GO TO HC1]  |
| 1980’s | 3 | [GO TO HC1] |
| 1990-94 | 4 | [GO TO HC1] |
| 1995-99 | 5 | [GO TO HC1] |
| 2000’s  | 6 | [GO TO HC1] |
| [Don’t know] | -97 | [GO TO HC1] |
| [Refused] | -98 | [GO TO HC1] |

**D1** In what type of building do you live? (READ LIST IF NEEDED)

 (PROBE FOR 'Condo': "How many units are in your building?")

|  |  |  |
| --- | --- | --- |
| A one-family home detached from any other house | 1 | [GO TO D2] |
| A one-family home attached to one or more houses | 2 | [GO TO D2] |
| A building with 2 apartments | 3 | [GO TO D2] |
| A building with 3 or 4 apartments | 4 | [GO TO D2] |
| A building with 5 or more apartments  | 5 | [GO TO D2] |
| A mobile home | 6 | [GO TO D2] |
| Boat, RV, Van, etc. | 7 | [GO TO D2] |
| Other *(SPECIFY)* | 8 | [GO TO D2] |
| [Don’t know] | -97 | [GO TO D2] |
| [Refused] | -98 | [GO TO D2] |

**D2** Including yourself, how many people currently live in your home year-round?

|  |  |  |
| --- | --- | --- |
| ENTER NUMBER OF PEOPLE | \_\_\_\_ | [GO TO D3] |
| [Don’t know] | -97 | [GO TO D3] |
| [Refused] | -98 | [GO TO D3] |

**D3** How many rooms are there in your home? Do not count laundry rooms, foyers, unfinished storage spaces, porches, or garages.

|  |  |  |
| --- | --- | --- |
| ENTER NUMBER OF OTHER ROOMS | # \_\_\_\_\_ | [GO TO D4] |
| [Don’t know] | -97 | [GO TO D4] |
| [Refused] | -98 | [GO TO D4] |

**D4** How large is your home/building in square feet?

|  |  |  |
| --- | --- | --- |
| ENTER SQUARE FOOTAGE | \_\_\_\_ sq. ft. | [GO TO D5] |
| [Don’t know] | -97 | [GO TO D5] |
| [Refused] | -98 | [GO TO D5] |

**D5** How many *floors* of living space are there in your home, NOT COUNTING unheated basements? Please answer only about *your home*, not the building as a whole]

|  |  |  |
| --- | --- | --- |
| 1 floor | 1 | [GO TO D6] |
| 2 floors | 2 | [GO TO D6] |
| 3 floors | 3 | [GO TO D6] |
| More than 3 floors | 4 | [GO TO D6] |
| [Don’t know] | -97 | [GO TO D6] |
| [Refused] | -98 | [GO TO D6] |

**D6** About when was this building first built?

|  |  |  |
| --- | --- | --- |
| Before 1970’s | 1 | [GO TO HC1] |
| 1970’s | 2 | [GO TO HC1] |
| 1980’s | 3 | [GO TO HC1] |
| 1990-94 | 4 | [GO TO HC1] |
| 1995-99 | 5 | [GO TO HC1] |
| 2000’s  | 6 | [GO TO HC1] |
| [Don’t know] | -97 | [GO TO HC1] |
| [Refused] | -98 | [GO TO HC1] |

**ON\_SITE RECRUITING**

**TO SCHEDULE ONSITE VERIFICATION**

**As we've discussed, the &Program is an important component of the SEP’s ongoing efforts to save energy and reduce emissions affecting climate change. In order to improve this program's performance, DOE would like to make an accurate measurement of the energy savings associated with energy efficiency equipment installed by collecting and analyzing information from selected locations.**

**Your input to this research is extremely important. Thank you for your time.**

**COMMENT. Our verification technician will need to meet with someone over the age of 18 familiar with the equipment installed.**

**OS\_NAME1. May I please have the name of the person who our technician can call to set up an appointment time?**

|  |  |  |
| --- | --- | --- |
| **&OS\_NAME1** | NAME OF PRIMARY CONTACT | OS\_PHONE1 |
| **-98** | Refused | T&T |
| **-97** | Don't know | T&T |

**OS\_PHONE1. May I also have the best phone number for the technician to reach this person?**

|  |  |  |
| --- | --- | --- |
| **&OS\_PHONE1** | PHONE FOR PRIMARY CONTACT | OTHER |
| **-98** | Refused | T&T |
| **-97** | Don't know | T&T |

**OTHER. Is there another person that the technician might speak with, if this primary person is not available?**

|  |  |  |
| --- | --- | --- |
| **&OTHER** | Get name | OS\_NAME2 |
| **-98** | Refused | T&T |
| **-97** | Don't know | T&T |

**OS\_PHONE2. May I also have the best phone number for the technician to reach them?**

|  |  |  |
| --- | --- | --- |
| **&OS\_PHONE2** | Get phone number | VERIFY |
| **-98** | Refused | T&T |
| **-97** | Don't know | T&T |

**VERIFY. For verification purposes only, may I please have your name?**

|  |  |  |
| --- | --- | --- |
|  | Get name | OS\_REC |
| **-98** | Refused | T&T |
| **-97** | Don't know | T&T |