



# U.S. Department of Energy Energy Information Administration

## 2005 Residential Energy Consumption Survey Household Questionnaire

### INTRODUCTION TO INTERVIEW

Hello, I am \_\_\_\_\_ from the National Opinion Research Center at the University of Chicago, a social science research organization. We are conducting a study for the U.S. Department of Energy about energy consumption in homes.

Although your participation is voluntary, we hope you will participate in this important study of energy usage. Your identity and all the responses you give me will be kept strictly confidential and data will be used for statistical purposes only. We estimate the reporting burden (the time it will take to complete this survey) for this collection of information to average 45 minutes per response.

Any comments you may have regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, should be sent to the Energy Information Administration, Statistics and Methods Group, EI-70, 1000 Independence Ave., SW, Washington, DC 20585, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

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## Section CIR: CASE IDENTIFICATION RECORD

CIR-1 FIID1 **INTERVIEWER INSTRUCTION: ENTER YOUR FIELD INTERVIEWER IDENTIFICATION NUMBER.**

Enter the Field Interviewer ID Number ...

CIR-2 SAMPLEID **INTERVIEWER INSTRUCTION: ENTER THE RECS SAMPLE IDENTIFICATION NUMBER FOR THIS HOUSING UNIT.**

Enter the Sample ID Number.....

CIR-3 STATEID **INTERVIEWER INSTRUCTION: ENTER THE STATE IDENTIFICATION NUMBER FOR THIS HOUSING UNIT.**

Enter the State ID Number .....

CIR-4 LIHEAPSTATUS **INTERVIEWER INSTRUCTION: ENTER THE LIHEAP RECIPIENT STATUS FOR THIS HOUSING UNIT.**

Household receives LIHEAP ..... 1  
Household does not receive LIHEAP ..... 2

CIR-5 TYPEHUQ **INTERVIEWER INSTRUCTION: RECORD THE TYPE OF HOUSING UNIT AS YOU RECORDED IT IN YOUR HOUSING UNIT NOTES ON PAGE 6 OF THE HOUSING UNIT NOTES/MEASUREMENT BOOKLET FOR THIS CASE.**

Single-family detached house (a one-family house detached from any other house) ..... 2  
Single-family attached house (a one-family house attached to one or more houses) ..... 3  
Apartment in a house or a building with 2-4 units ..... 4  
Apartment in a building with 5 or more units ..... 5  
Mobile home (manufactured home, trailer) ..... 1

CIR-6a [If TYPEHUQ=5] NUMFLRS **INTERVIEWER INSTRUCTION: RECORD THE NUMBER OF FLOORS IN THIS APARTMENT BUILDING AS YOU RECORDED IT IN YOUR HOUSING UNIT NOTES ON PAGE 6 OF THE HOUSING UNIT NOTES/MEASUREMENT BOOKLET FOR THIS CASE.**

Enter the number of floors .....

CIR-6b [If TYPEHUQ=5] NUMAPTS **INTERVIEWER INSTRUCTION: RECORD THE NUMBER OF APARTMENTS IN THIS BUILDING AS YOU RECORDED IT IN YOUR HOUSING UNIT NOTES ON PAGE 6 OF THE HOUSING UNIT NOTES/MEASUREMENT BOOKLET FOR THIS CASE.**

Enter the number of units .....

CIR-7 WALLTYPE INTERVIEWER INSTRUCTION: RECORD THE MAJOR OUTSIDE WALL CONSTRUCTION MATERIAL FOR THIS HOUSING UNIT ON PAGE 6 OF THE HOUSING UNIT NOTES/MEASUREMENT BOOKLET FOR THIS CASE. IF TWO OR MORE MATERIALS ARE USED, RECORD ONLY THE ONE MOST USED.

- Brick..... 01
- Wood ..... 02
- Siding (Aluminum, vinyl, or steel) ..... 03
- Stucco..... 04
- Composition (Shingle) ..... 05
- Stone ..... 06
- Concrete or concrete block..... 07
- Glass..... 08
- Other (Specify\_\_\_\_\_ )..... 09
- Indescribable ..... 10

CIR-8 CONFIRM Before we begin, I would like to confirm that I am at the correct address. Do you live at [ENTER THE ADDRESS, CITY, STATE, AND ZIP CODE FROM THE CASE MANAGEMENT SYSTEM]?

- Yes..... 1
- No ..... 0

→ INTERVIEWER INSTRUCTION: THIS IS NOT THE HOUSING UNIT YOU ARE SUPPOSED TO BE INTERVIEWING. EXCUSE YOURSELF AND TERMINATE THE INTERVIEW.

## Section A: HOUSING UNIT CHARACTERISTICS

A-1 CNFRMHUQ **First, I want to ask you some questions about the type of house or building you live in. My observation is that this residence is a [NAME THE TYPE OF HOUSING UNIT AS RECORDED IN CIR-3]. Do you agree with my observation?**

Yes..... 1  
No ..... 0

A-1a [If CNFRMHUQ=No] ALTHUQ **Which of the following types of housing units would you say best describes what kind of housing unit this is? Is it a . . .**

**Single-family detached house, ..... 2**  
**a Single-family attached house, ..... 3**  
**an Apartment building with 2-4 units,..... 4**  
**an Apartment building 5 or more units, or ..... 5**  
**a Mobile home?..... 1**

A-1a1 REVHUQ **INTERVIEWER INSTRUCTION: IF YOU AGREE WITH THE HOUSEHOLDS' DESCRIPTION, RECORD "Use Householder's Description" BELOW, AND USE THE ALTERNATIVE AS THE TYPE OF HOUSING UNIT THROUGHOUT THE REMAINDER OF THE INTERVIEW.**

**IF YOU DISAGREE WITH THE HOUSEHOLDER'S DESCRIPTION, RECORD "Use HURS Definition" BELOW AND TELL THE HOUSEHOLDER THAT: Using the definitions given to me by the Department of Energy, they would describe this housing unit as a [ENTER THE TYPEHUQ HERE]. But I have recorded that you have described this housing unit as a [ENTER THE ALTHUQ HERE] and will describe it as you have.**

Use Householder's Definition ..... 1  
Use HURS Definition ..... 2

A-2 [If TYPEHUQ=4] CONVERSION **First, I have a few questions about the structure in which you live which, using Department of Energy definitions, is an apartment building with 2-4 units. Was this structure originally designed and built as an apartment building or was it converted into an apartment building?**

Built as an apartment building ..... 1  
Converted into an apartment building..... 2

A-2a [If CONVERSION=2] ORIG1FAM **Was this structure originally built as a single-family house?**

Yes..... 1  
No ..... 0

A-2a1 [If ORIG1FAM=Yes] LOOKLIKE **Would you say that the part of this structure where you live is more like what is commonly thought of as a single-family house, or would you say it is more like what is commonly thought of as an apartment?**

More like a single-family house ..... 1  
More like an apartment..... 2

A-3 [((If TYPEHUQ=4 and (CONVERSION=2 or ORIG1FAM=No or LOOKLIKE=2) ) or TYPEHUQ= 5] STUDIO **Is your apartment a one-room efficiency or studio apartment?**

Yes..... 1  
No ..... 0

A-4 [If (TYPEHUQ=4 and LOOKLIKE=2) or TYPEHUQ=5] and STUDIO=0] ONEFLRAPT **Most apartments have all the living space on a single level. Is the living space of your entire apartment on a single level?**

Yes..... 1  
No ..... 0

A-4a [If ONEFLRAPT=No] NAPTFLRS **How many levels does your apartment have?**

Enter the number of levels here.....

A-5 [(If TYPEHUQ=2 or 3) (or TYPEHUQ=4 and LOOKLIKE=1) ] STORIES **How many stories does your home have? Does it have one, two, three, or four or more stories, or is it a split-level or some other type of building? Do not include basement and attics.**

One story ..... 10  
Two stories ..... 20  
Three stories ..... 31  
Four or more stories ..... 32  
Split-level ..... 40  
Some other type (Specify \_\_\_\_\_) ..... 50

A-6 [If TYPEHUQ=1] TYPEHUQ4 **Does your mobile home have any permanently attached structures, such as a room or porch that is enclosed from the wind and rain, that weren't part of the mobile home when it was first manufactured?**

Yes..... 1  
No ..... 0

A-7 **BEDROOMS** [If STUDIO=0 or 9] **How many bedrooms do you have in your home? [If TYPEHUQ=2, 3, or 4, add: Include in your count bedrooms in finished attics or finished basements.]**

Enter the number .....

A-8 **OTHRROOMS** [If STUDIO=0 or 9] **Other than bedrooms and bathrooms, how many other rooms are there in your home? Do not count [If TYPEHUQ=2, 3, or 4, add: any rooms in unfinished basements or attics,] laundry rooms, foyers, unfinished storage spaces, porches, or garages.**

Enter the number .....

A-9 **NCOMBATH** **How many full bathrooms do you have in your home? A full bathroom is one that has a sink with running water, and a toilet, and either a bathtub or shower.**

Enter the number .....

A-10 **NHAFBATH** **And how many half bathrooms do you have—that is, bathrooms that have either a toilet or a bathtub or a shower?**

Enter the number .....

A-10a **POTTYAGE INTERVIEWER INSTRUCTION: PLACE SHOW CARD 1 IN FRONT OF THE RESPONDENT. Please look at Card 1. Thinking about the age of the [If NCOMBATH+NHAFBATH>1 the most frequently used] toilet in your home, about how old is this toilet?**

- Less than 2 years old..... 01
- 2 to 4 years old ..... 02
- 5 to 9 years old ..... 03
- 10 to 19 years old ..... 04
- 20 years or older..... 05
- As old as the home (if volunteered) ..... 06

A-10b **POTTYLEAK Does the [If NCOMBATH+NHAFBATH>1 most frequently used] toilet in your home currently leak? That is, does the tank sometimes refill with water because too much water has leaked into the bowl, or does the toilet sometimes flush on its own?**

- Yes.....1
- No .....0

A-10c **POTTYPARTS Have any of the parts inside the tank [If NCOMBATH+NHAFBATH>1 of the most frequently used toilet] ever been replaced because of leakage from the tank into the bowl, or because the toilet sometimes flushed on its own?**

- Yes.....1
- No .....0

A-10c1 [IF POTTYAGE=01] **POTTYFIX1 Thinking about the [If NCOMBATH+NHAFBATH>1 most frequently used] toilet in your home, when was the last time any of the parts inside the tank were replaced because of leakage from the tank into the bowl, or because the toilet sometimes flushed on its own? Was it . . .**

- Within the past year or.....1
- Between 1 and 2 years ago? .....2

A-10c2 [IF POTTYAGE=02] **POTTYFIX2 Thinking about the [If NCOMBATH+NHAFBATH>1 most frequently used] toilet in your home, when was the last time any of the parts inside the tank were replaced because of leakage from the tank into the bowl, or because the toilet sometimes flushed on its own? Was it . . .**

- Within the past year, .....1
- Between 1 and 2 years ago, or.....2
- Between 2 and 4 years ago? .....3

A-10c3 [IF POTTYAGE=03] **POTTYFIX3 Thinking about the [If NCOMBATH+NHAFBATH>1 most frequently used] toilet in your home, when was the last time any of the parts inside the tank were replaced because of leakage from the tank into the bowl, or because the toilet sometimes flushed on its own? Was it . . .**

- Within the past year, .....1
- Between 1 and 2 years ago, .....2
- Between 2 and 4 years ago, or.....3
- Between 4 and 10 years ago? .....4

A-10c4 [IF POTTAYAGE>03] POTTYFIX4 **Thinking about the [If NCOMBATH+NHAFBATH>1 most frequently used] toilet in your home, when was the last time any of the parts inside the tank were replaced because of leakage from the tank into the bowl, or because the toilet sometimes flushed on its own? Was it . . .**

- Within the past year, .....1
- Between 1 and 2 years ago, .....2
- Between 2 and 4 years ago, .....3
- Between 4 and 10 years ago, or .....4
- 10 or more years ago? .....5

A-11 [If TYPEHUQ=2, 3, or 4] **Now think about the foundation of your home. Most homes are built over a basement or a crawl space, or on a concrete slab, or some combination of these. Is any part of your home over a . . . (Mark all that apply.)**

		<u>Yes</u>	<u>No</u>
CELLAR	<b>Basement,</b> .....	1.....	0.....
CRAWL	<b>Crawl Space, or</b> .....	1.....	0.....
CONCRETE	<b>Concrete slab?</b> .....	1.....	0.....

A-11a [If CELLAR=Yes] BASEFIN **Is any part of the basement finished? That is, does it have finishing materials on the floor, ceiling, and walls?**

- Yes..... 1
- No ..... 0

A-11a1 [If BASEFIN=Yes] FINBASERMS **How many finished rooms are there in your basement?**

Enter the number .....

A-11b [If CELLAR=Yes] BASEHEAT **About how much of the basement would you say is heated during the winter months? Is it . . .**

- All, ..... 1
- Part, or ..... 2
- None?..... 0

A-11b1 [If BASEHEAT=Part] PCTBSTHT **INTERVIEWER INSTRUCTION: PLACE SHOW CARD 2 IN FRONT OF THE RESPONDENT. Please look at Card 2. What portion of the basement would you say is heated during the winter months?**

- Very little (1-4%) ..... 0
- Some (5-33%)..... 1
- About half (34-66%)..... 2
- About three-quarters (67-95%)..... 3
- Most of it (96-99%) ..... 4

A-11c [If CELLAR=Yes] BASECOOL **About how much of the basement would you say is air-conditioned during the summer months? Is it . . .**

- All, ..... 1
- Part, or ..... 2
- None?..... 0

A-11c1 [If BASECOOL=Part] PCTBSTCL **INTERVIEWER INSTRUCTION: PLACE SHOW CARD 2 IN FRONT OF THE RESPONDENT. Please look at Card 2. What portion of the basement would you say is air-conditioned during the summer months?**

- Very little (1-4%) ..... 0
- Some (5-33%)..... 1
- About half (34-66%)..... 2
- About three-quarters (67-95%) ..... 3
- Most of it (96-99%) ..... 4

A-11d [If CELLAR=Yes and TYPEHUQ=4] BASEUSE **About how much of the basement would you say you have exclusive use of? Is it . . .**

- All, ..... 1
- Part, or ..... 2
- None?..... 0

A-12 [If TYPEHUQ=2 or 3= or 4] ATTIC **Does this home have an attic? That is, a floor or an area directly below the roof that is accessible by stairs and in which you can stand and easily move about.**

- Yes..... 1
- No ..... 0

A-12a [If ATTIC=Yes] ATTICFIN **Is any part of the attic finished? That is, does it have finishing materials on the floor, ceiling, and walls?**

- Yes..... 1
- No ..... 0

A-12a1 [If ATTICFIN=Yes] FINATTRMS **How many finished rooms are there in your attic?**

Enter the number .....

A-12b [If ATTIC=Yes] ATTICHEAT **About how much of the attic would you say is heated during the winter months? Is it . . .**

- All, ..... 1
- Part, or ..... 2
- None?..... 0

A-12b1 [If ATTICHEAT=Part] PCTATTHT **INTERVIEWER INSTRUCTION: PLACE SHOW CARD 2 IN FRONT OF THE RESPONDENT. Please look at Card 2. What portion of the attic would you say is heated during the winter months?**

- Very little (1-4%) ..... 0
- Some (5-33%)..... 1
- About half (34-66%)..... 2
- About three-quarters (67-95%) ..... 3
- Most of it (96-99%) ..... 4

A-12c [If ATTIC=Yes] ATTCCOOL **About how much of the attic would you say is air-conditioned during the summer months? Is it . . .**

- All, ..... 1
- Part, or ..... 2
- None?..... 0

A-12c1 [If ATTCCOOL=Part] PCTATTCL **INTERVIEWER INSTRUCTION: PLACE SHOW CARD 2 IN FRONT OF THE RESPONDENT. Please look at Card 2. What portion of the attic would you say is air-conditioned during the summer months?**

- Very little (1-4%) ..... 0
- Some (5-33%)..... 1
- About half (34-66%)..... 2
- About three-quarters (67-95%) ..... 3
- Most of it (96-99%) ..... 4

A-12d [If ATTIC=Yes and TYPEHUQ=4] ATTICUSE **About how much of the attic would you say you have exclusive use of? Is it . . .**

- All, ..... 1
- Part, or ..... 2
- None?..... 0

A-13 PRKGPLC1 [If TYPEHUQ=1 or 2 or 3] **Does your home have a garage that is attached to or part of your home?**

- Yes..... 1
- No ..... 0

A-13a [If PRKGPLC1=Yes] GARAGE1C GARAGE2C GARAGE3C **What is the size of that garage? Is it a . . .**

- One-car garage, ..... 1
- Two-car garage, or ..... 2
- Three-or-more-car garage?..... 3

A-13a1 GARGLOC **Is the garage attached to or part of the [If CELLAR=Yes basement,] first floor, or some other floor of the home?**

- Basement..... 1
- First floor..... 2
- Some other floor ..... 3

A-13a2 GARGHEAT **Is the garage heated during the winter months?**

- Yes..... 1
- No ..... 0

A-13a3 GARGCOOL **Is the garage air-conditioned during the summer months?**

- Yes..... 1
- No ..... 0

A-13b [If PRKGPLC1=No] PRKGPLC2 **Does your home have a detached garage or covered carport?**

- Yes..... 1
- No ..... 0

A-13b1 [If PRKGPLC2=Yes] DGARG1C DGARG2C DGARG3C CARPORT **Which does your home have? Is it a . . . (Mark all that apply)**

- One-car garage, ..... 1
- Two-car garage, ..... 2
- Three-or-more-car garage, or ..... 3
- Carport?..... 4

A-14 **KOWNRENT** Do you or members of your household own this home or do you rent?

- Own/Buying ..... 1
- Rent ..... 2
- Occupied without payment of rent ..... 3

A-14a [If KOWNRENT=2 or 3] HUPROJ Is this residence in a public housing project—that is, is it owned by a housing authority?

- Yes..... 1
- No ..... 0

A-14a1 [If HUPROJ=No] RENTHELP Is your household paying lower rent because the federal, state, or local government is paying part of the cost?

- Yes..... 1
- No ..... 0

A-15 **KOWNCOND** Is this home part of a condominium or cooperative?

- Yes ..... 1
- No ..... 0

A-15a [If KOWNCOND=Yes] CONDCOOP Which is it, a condominium or a cooperative?

- Condominium..... 1
- Cooperative ..... 2

A-16 **YEARMADE** **INTERVIEWER INSTRUCTION: PLACE SHOW CARD 3 IN FRONT OF THE RESPONDENT.**  
Please look at Card 3. In what year was this structure built? Your best estimate is fine.

- |                     |                 |
|---------------------|-----------------|
| BEFORE 1940..... 01 | 1990-94 .....08 |
| 1940-49..... 02     | 1995-99 .....09 |
| 1950-59..... 03     | 2000-02 .....10 |
| 1960-69..... 04     | 2003.....11     |
| 1970-79..... 05     | 2004.....12     |
| 1980-84..... 06     | 2005.....13     |
| 1985-89..... 07     |                 |

A-16a [If YEARMADE<11] OCCUPY Did your household move into this home or apartment after December 2002?

- Yes..... 1
- No ..... 0

A-16a1 [If YEARMADE=2003 or 2004 or 2005 or OCCUPY=Yes] OCCUPYY In what year did your household move in?

- 2003..... 1
- 2004..... 2
- 2005..... 3

A-16a2 [If YEARMAD=2003 or 2004 or 2005 or OCCUPY=Yes] OCCUPYM In what month of that year did your household move in?

- |                |    |                 |    |
|----------------|----|-----------------|----|
| January .....  | 01 | July .....      | 07 |
| February ..... | 02 | August .....    | 08 |
| March .....    | 03 | September ..... | 09 |
| April .....    | 04 | October .....   | 10 |
| May .....      | 05 | November .....  | 11 |
| June .....     | 06 | December .....  | 12 |

A-17 URBRUR Which of the following best describes the location of your home? Do you live in a city, a town, the suburbs, or in a rural area?

- City..... 1
- Town..... 2
- Suburbs..... 3
- Rural..... 4

A-18 UGASHERE Is natural gas from underground pipes available in this neighborhood?

- Yes..... 1
- No..... 0

A-19 IVCOMMA INTERVIEWER INSTRUCTION: RECORD ANY INFORMATION HERE ABOUT THE CHARACTERISTICS OF THIS HOUSING UNIT THAT MIGHT PROVIDE CLARIFICATION TO THE RESPONDENT'S ANSWERS.

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