

## Section E: WATER HEATING

E-1 **FUELH2O** Please look at the Blue Card. Which fuel do you use the most to heat water for washing or bathing?

Electricity.....	05	
Natural gas from underground pipes .....	01	
Bottled gas, that is, LPG or Propane.....	02	
Fuel oil.....	03	
Kerosene.....	04	
Wood.....	07	
Solar.....	08	
District Steam.....	09	
Some other fuel (Specify _____) .....	21	
Don't know .....	96	
Don't use hot water .....	95	→ SKIP to F-1

E-2 **WHEATOTH** Does the main equipment for heating water for your home also heat water for any other apartments, condos, households, businesses, or farm buildings?

Yes.....	1	
No.....	0	
Don't know .....	6	

E-3 **WHEATSIZ** Please look at Exhibit E-3. Please tell me the approximate size of your household's main water heater tank.

Small (30 gallons or less).....	1	
Medium (31 to 49 gallons).....	2	
Large (50 gallons or more).....	3	
Two separate water heaters.....	5	
Don't have a separate water heater .....	0	→ SKIP to F-1
Don't know .....	6	

E-4 **WHEATAGE** Please look at the Yellow Card. Approximately, how old is your household's main water heater?

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	
Don't know .....	96	

E-5 **UAUXH2OF** In addition to (name of fuel from E-1) does your household use any other fuel for heating water?

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

E-5a [If Yes] FAUXH2O **Please look at the Blue Card. What is this additional water heating fuel?**

Electricity.....	05
Natural gas from underground pipes .....	01
Bottled gas (LPG or Propane).....	02
Fuel oil.....	03
Kerosene.....	04
Wood.....	07
Solar.....	08
Some other fuel (Specify _____) .....	21
Don't know .....	96

## Section F: AIR CONDITIONING

F-1 **AIRCOND** Do you have air conditioning equipment in your home?

Yes ..... 1  
No..... 0 → SKIP to F-11

F-2 **COOLTYPE** What kind of air-conditioning equipment does your household have? Is it . . . .

**A central system,** ..... 1  
**Individual units in the windows or wall, or**..... 2  
**Both central and individual units?** ..... 3  
Don't know ..... 6

F-2a [If "A central system" or "Both central and individual units" and EQUIPM <> Heat pump or Central warm-air furnace] **DUCTS** Central air-conditioning requires that the system have ducts to carry the cooled air to the individual rooms. These ducts may also carry warm air for space heating. Does your home have ducts like these?

Yes ..... 1  
No..... 0  
Don't know ..... 6

F-3 **ACHOUSE** Thinking about the summer of 2001, how many of the rooms (if before July 1, insert **will**; if between July 1 and August 30, insert **do**; if after August 30, insert **did**) your household's air-conditioning equipment cool? All of the rooms or only some of the rooms?

All the rooms ..... 1  
Only some of the rooms?..... 2  
None of the rooms cooled..... 0

F-3a [If "Only some of the rooms"] **ACROOMS** Of the (enter the number from A-9c and A-9d) rooms in your home, how many (if before July 1, insert **will be**; if between July 1 and August 30, insert **are**; if after August 30, insert **were**) cooled by your household's air-conditioning during the summer of 2001?

Enter the number .....

F-4 [If F-2 = "A central system" or "Both central and individual units"; Else Skip to F-8] **CENACHP** Is your central air-conditioning system a heat pump?

Yes ..... 1  
No..... 0  
Don't know ..... 6

F-5 **AGECENAC** Please look at the Yellow Card. Approximately, how old is your household's central air-conditioning equipment?

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  
Don't know ..... 96

F-6 **USECENAC** Please look at Exhibit F-6. Which of the statements shown best describes the way your household (if before July 1, insert **will use**; if between July 1 and August 30, insert **uses**; if after August 30, insert **used**) the central air-conditioning system during the summer of 2001?

- Not used at all ..... 0
- Turned on only a few days or nights when really needed ..... 1
- Turned on quite a bit ..... 2
- Turned on just about all summer ..... 3
- Other ..... 5

F-7 **ACOTHERS** Does the central air conditioning equipment that cools your home also cool any other apartments, condos, households, businesses, or farm buildings?

- Yes ..... 1
- No ..... 0
- Don't know ..... 6

F-8 [If F-2 is "Individual units in the windows or wall" or "Both central and individual units"; Otherwise SKIP to F-11] **NUMBERAC** How many window or wall air-conditioning units do you have in your home?

Enter the number .....

F-9 **WWACAGE** Please look at the Yellow Card. Approximately, how old is your household's *most-used* window/wall unit?

- 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
- Don't know ..... 96

F-10 **USEWWAC** Please look at Exhibit F-6. Which of the statements shown best describes the way your household (if before July 1, insert **will use**; if between July 1 and August 30, insert **uses**; if after August 30, insert **used**) the (*most used*) wall or window unit air-conditioner during the summer of 2001?

- Not used at all ..... 0
- Turned on only a few days or nights when really needed ..... 1
- Turned on quite a bit ..... 2
- Turned on just about all summer ..... 3
- Other ..... 5

F-11 **TREESHAD** Does your home have any large trees that shade your home from the afternoon summer sun?

- Yes ..... 1
- No ..... 0
- Don't know ..... 6

## Section G: MISCELLANEOUS

G-1 **Thinking of a typical summer weekday, please tell me the number of indoor lights your household has turned on for each of the following time periods. Do not include any nightlights in your count.**

G-1a **LGT12 How many are tuned on for more than 12 hours per day**

Enter the number .....

G-1b **LGT4 Between 4 hours and 12 hours per day**

Enter the number .....

G-1c **LGT1 Between 1 hour and 4 hours per day**

Enter the number .....

G-2 **OUTLGTNT Are any outdoor lights left on all night?**

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

G-2a [If Yes] **GASLIGHT Do any of these lights use natural gas?**

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

G-3 **SLDDRS Does your home have any sliding glass doors that go from a heated area to the outside or to an unheated area?**

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

G-3a [If Yes] **DOOR1SUM How many of these sliding glass doors does your home have?**  
[Interviewer: Count each pair of sliding glass doors as one door.]

Enter the number .....

G-4 **WINDOWS Please look at Exhibit G-4. Approximately, how many windows does your home have? Each window that opens separately should be counted as one window. Leave out of your count any windows that are in unheated parts of your home.**

1 or 2 ..... 01  
3 to 5 ..... 02  
6 to 9 ..... 03  
10 to 19 ..... 04  
20 to 29 ..... 05  
30 or more ..... 06  
None (volunteered) ..... 00

[Interviewer: If asked, double hung or slider windows count as one window. Each window that opens separately should be counted as one window. Also count windows that are fixed in place. Do not include windows (glass panels) in doors.]

G-5 *ADQINSUL* Overall, would you say that your home is . . . . .

- Well insulated, ..... 1
- Adequately insulated, or ..... 2
- Poorly insulated? ..... 3
- No insulation (if volunteered) ..... 4
- Don't know ..... 6

G-6 DRAFTY How often do you or other members of your household find your home too drafty during the winter? Would you say it is. . .

- All the time, ..... 1
- Most of the time, ..... 2
- Some of the time, or ..... 3
- Never? ..... 4