2015 Residential Energy Consumption Survey (RECS)

Rental Agent, Landlord, or Apartment Manager Questionnaire – Computer-Assisted Personal (CAPI) or Telephone (CATI) Interview

Form EIA-457C

OMB No.: 1905-0092  Expires: 07/31/2018
HOW TO USE THIS QUESTIONNAIRE

Respondents to the 2015 Residential Energy Consumption Survey (RECS) that completed the computer-assisted personal interview (CAPI) and rented their housing unit were asked to provide the name and contact information for their landlord and/or apartment complex. A follow-up interview was attempted with the named landlord or other rental agent to gain additional information about the housing unit that the household respondent might not be aware of. This document is a paper representation of the 2015 RECS rental agent questionnaire, which is programmed using a software called Blaise. The interviews were administered in-person or over the phone by a professional interviewer using a laptop.

The data collected through this rental agent questionnaire were used for editing the corresponding household data. To facilitate this, most of the variable names for the rental agent questionnaire are similar to those from the household questionnaire with the addition of the prefix “RA” – for example, rental agent variable RAFUELHEAT corresponds to household variable FUELHEAT. As they are only used for editing, none of the rental agent data are directly published in 2015 RECS tabulations or included in the public use data file.

PLEASE NOTE: All the question fills and skip patterns were handled automatically by the Blaise software and were transparent to the interviewer, so this document appears much more complex than the actual RECS instrument.

Each question is formatted as follows:

<table>
<thead>
<tr>
<th>Variable name (New) (Changed from 2009)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASK</td>
</tr>
</tbody>
</table>

Interviewer instructions

Question text and response set

NEXT

Derived | Show Card | CARI

Comments:
- (New) or (Changed from 2009) are displayed next to the variable name when applicable
- ASK describes what needs to be true for a question to be asked for a particular respondent
- Interviewers are trained to not read the instructions (shown in blue) aloud to respondents
- NEXT lists the variable name for the following question
- Derived is “Yes” if the variable is calculated for some or all respondents based on their responses to other questions
- Show Card is “Yes” if a physical card with a list of response options or pictures is shown to the respondent while the interviewer reads the question aloud
- CARI is “Yes” if the question was selected for computer audio-recorded interviewing (CARI), which means the interaction between the interviewer and respondent was recorded to allow for data quality review and analysis
- Some variables (such as the housing unit address) are carried over from the household questionnaire and inserted into question wording as appropriate
Some parts of this interview will be recorded for quality control purposes. I’d like to continue now unless you have any questions.

1  Gives consent to record interview  
0  Does not give consent to record interview

A tenant at [fill: HUBUILDADDRESS] [if RAUNIT ≠ EMPTY, fill: RAUNIT] has provided some information about the energy use in their household. During this interview we will ask you questions about their energy use for verification [If RAUNIT ≠ EMPTY: as well as a few questions about the entire building at, fill: HUBUILDADDRESS].

First, I’d like to start with your role. Are you the owner of [fill: HUBUILDADDRESS] [if RAUNIT ≠ EMPTY, fill: RAUNIT], do you represent a company that owns or manages this property, do you represent a condominium association, or do you have some other relationship with this unit?

1  Owner  
2  Represent company that owns or manages this property  
3  Represent condominium association  
4  Some other relationship with this unit

How many floors, or stories, are in [fill: HUBUILDADDRESS]? Do not include basements, parking levels, or attics.

1 - 95
**RANUMAPTS (Changed from 2009)**

**ASK**  If TYPEHUQ in(4,5)

How many separate housing units are in this building?

1 - 995

**NEXT**  RAYEARMADE

<table>
<thead>
<tr>
<th>Derived</th>
<th>Show Card</th>
<th>CARI</th>
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</table>

**RAYEARMADE (Changed from 2009)**

**ASK**  All respondents

In what year was [fill: HUBUILDADDRESS] built?

1600 - 2015

**NEXT**  If RAYEARMADE in(DK, REF): RAYEARMADERANGE

Else if RANUMAPTS>2: RALOBBY, RACOMMERCIAL, RAOFFICE, RALAUNDRY, RAGYM, RAPARTY, RANOCOMMON

Else: RABLDSQFT

<table>
<thead>
<tr>
<th>Derived</th>
<th>Show Card</th>
<th>CARI</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Yes</td>
</tr>
</tbody>
</table>

**RAYEARMADERANGE (Changed from 2009)**

**ASK**  If RAYEARMADE in(DK, RF)

Please give your best estimate. Was this building built...

1  Before 1950,
2  1950-1959,
3  1960-1969,
4  1970-1979,
5  1980-1989,
6  1990-1999,
7  2000-2009, or
8  2010-2015?

**NEXT**  If RANUMAPTS>2: RALOBBY, RACOMMERCIAL, RAOFFICE, RALAUNDRY, RAGYM, RAPARTY, RANOCOMMON

Else: RABLDSQFT

<table>
<thead>
<tr>
<th>Derived</th>
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<th>CARI</th>
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<tbody>
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<td>Yes</td>
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</tbody>
</table>
### ASK

If RANUMAPTS>2

Please tell me which types of common areas are in this building? Does this building have a...

**Mark all that apply.**

- Lobby/Reception Area, (RALOBBY)
- Commercial space, including stores or restaurants, (RACOMMERCIAL)
- Apartment rental office or other large office space, (RAOFFICE)
- Laundry room, (RALAUNDRY)
- Gym/Swimming pool/Sauna areas, or (RAGYM)
- Conference rooms or party space? (RAPARTY)
- NONE of these types of areas (RANOCOMMON)

### NEXT

**RAONSITETYPE**

**Derived** Show Card CARI

### ASK

Do the apartments in this building have individual electric meters?

1  Yes
0  No

### NEXT

**RAONSITETYPE**

**Derived** Show Card CARI

### ASK

All respondents

Does this building have any on-site solar panels?

1  Yes
0  No

**NEXT**

If RANUMAPTS>1 or RANUMAPT in(DK,RF): RABLDSQFT
Else: RASQFTEST

**Derived** Show Card CARI
<table>
<thead>
<tr>
<th><strong>RABLDSQFT</strong></th>
<th><strong>ASK</strong></th>
<th>If RANUMAPTS &gt; 1 or RANUMAPT in(DK,RF)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>What is the total floorspace in the building at [fill: HUBUILDADDRESS]? Your best estimate is fine.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 - 9,999,999</td>
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<tr>
<td><strong>NEXT</strong></td>
<td></td>
<td>If RABLDSQFT in(DK,RF): RABLDSQFTCAT Else: RASQFTEST</td>
</tr>
<tr>
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<td>Derived</td>
</tr>
<tr>
<td><strong>RABLDSQFTCAT</strong></td>
<td><strong>ASK</strong></td>
<td>If RABLDSQFT in(DK,RF)</td>
</tr>
<tr>
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<td></td>
<td>Which of the following categories best describes the total floorspace in this building? Is it...</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 Fewer than 5,000 square feet</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 5,000 to 10,000 square feet</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 10,000 to 25,000 square feet</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 25,000 to 50,000 square feet</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 50,000 to 100,000 square feet</td>
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<td></td>
<td></td>
<td>6 100,000 or more square feet</td>
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<td><strong>NEXT</strong></td>
<td></td>
<td>RASQFTEST</td>
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<td>Derived</td>
</tr>
<tr>
<td><strong>RASQFTEST</strong></td>
<td><strong>ASK</strong></td>
<td>All respondents</td>
</tr>
<tr>
<td></td>
<td></td>
<td>What is the total floorspace in [If RAUNIT = EMPTY: this housing unit] [If RAUNIT ≠ EMPTY, fill: RAUNIT]? [If RAUNIT ≠ EMPTY: Please consider only [fill: ^RAUNIT.]] Your best estimate is fine.</td>
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<td></td>
<td>1 - 99,999</td>
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<tr>
<td><strong>NEXT</strong></td>
<td></td>
<td>If RASQFTEST in(DK,RF): RASQFTCATEST Else: RACOMMENTBLDG</td>
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<td></td>
<td></td>
<td>Derived</td>
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</tbody>
</table>
### RASQFTCATEST (Changed from 2009)

**ASK**

If RASQFTEST in(DK,RF)

Which of the following categories best describes the total floorspace in [If RAUNIT = EMPTY: this housing unit] [If RAUNIT ≠ EMPTY, fill: RAUNIT]? Please consider only unit [fill: RAUNIT]. Is it...

1. Fewer than 600 square feet
2. 600 to 999 square feet
3. 1,000 to 1,599 square feet
4. 1,600 to 1,999 square feet
5. 2,000 to 2,399 square feet
6. 2,400 to 2,999 square feet
7. 3,000 or more square feet?

**NEXT**

**RACOMMENTBLDG**

Derived | Show Card | CARI | Yes

### RACOMMENTBLDG

**ASK**

All respondents

Record any information here about the general characteristics of the unit or building that might provide clarification to the respondent's answers.

If there are none, press "ENTER" to continue.

Open response

**NEXT**

**RAHEATHOME (Changed from 2009)**

**ASK**

All respondents

Now, I have some questions about heating.

Is this housing unit heated in the winter?

1. Yes
2. No

**NEXT**

If RAHEATHOME=1 and TYPEHUQ in(4,5): RAAPTHEAT
Else if RAHEATHOME=1 and TYPEHUQ in(1,2,3): RAEQUIPM
Else: RACOMMENTHEAT

Derived | Show Card | CARI
### RAAPTHEAT (New) (Changed from 2009)

**ASK**
If RAHEATHOME=1 and TYPEHUQ in(4,5)

What type of heating system does this housing unit have? Is it...

1. A central system in another part of the building that sends heat to the housing unit
2. Main heating equipment inside the housing or home

**NEXT** RAEQUIPM

### RAEQUIPM (Changed from 2009)

**ASK**
If RAHEATHOME=1

What is the main space heating equipment? Is it a...

1. Central furnace,
2. Heat pump,
3. Steam/Hot water system with radiators/convectors or pipes in the floor or walls,
4. Built-in electric units installed in walls, ceiling, baseboard, or floor,
5. Built-in floor/wall pipeless furnace, or
6. Built-in room heater burning gas, oil, or kerosene?
7. Heating stove burning wood, coal, or coke (IF VOLUNTEERED)
8. Portable electric heaters (IF VOLUNTEERED)
9. Portable kerosene heater (IF VOLUNTEERED)
10. Fireplace (IF VOLUNTEERED)
11. Cooking stove that is used to heat your home as well as to cook (IF VOLUNTEERED)
12. Some other equipment (IF VOLUNTEERED)
0. No space heating equipment used (IF VOLUNTEERED)

**NEXT**
If RAEQUIPM=12: RAEQUIPMSPEC
Else: RAFUELHEAT

### RAEQUIPMSPEC (Changed from 2009)

**ASK**
If RAEQUIPM=12

What is this other equipment?

Open response

**NEXT** RAFUELHEAT
### RAFUELHEAT (Changed from 2009)

**ASK**  If RAHEATHOME=1

What is the main fuel used for home space heating in [If RAUNIT = EMPTY: this housing unit] [If RAUNIT ≠ EMPTY, fill: RAUNIT]? That is, which fuel was the one that provided the most heat in [fill: RAUNIT]? Is it...

1. Electricity
2. Natural gas from underground pipes
3. Propane (bottled gas)
4. Fuel oil
5. Kerosene (IF VOLUNTEERED)
6. Wood (IF VOLUNTEERED)
7. Solar (IF VOLUNTEERED)
8. District steam or hot water (IF VOLUNTEERED)
9. Some other fuel (IF VOLUNTEERED)

**NEXT**  If RAFUELHEAT=9: RAFUELHEATSPEC Else if RAEQUIPM=2: HPTYPE1 Else: RAEQUIPAGE

<table>
<thead>
<tr>
<th>Derived</th>
<th>Show Card</th>
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<th>Yes</th>
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### RAFUELHEATSPEC (Changed from 2009)

**ASK**  If RAFUELHEAT=9

What is this other fuel?

Open response

**NEXT**  RAEQUIPAGE

<table>
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<tr>
<th>Derived</th>
<th>Show Card</th>
<th>CARI</th>
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</thead>
</table>

### RAHPTYPE1 (New)

**ASK**  If RAEQUIPM=2

What type of heat pump is it?

1. Electric air source
2. Geothermal or ground source
3. Natural gas

**NEXT**  RAEQUIPAGE

<table>
<thead>
<tr>
<th>Derived</th>
<th>Show Card</th>
<th>CARI</th>
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<tbody>
<tr>
<td>RAEQUIPAGE (Changed from 2009)</td>
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<tr>
<td><strong>ASK</strong> If RAHEATHOME=1</td>
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</table>

Approximately how old is the [fill: RAFUELHEAT] [fill: RAEQUIPM] used to heat [If RAUNIT = EMPTY: this housing unit] [If RAUNIT ≠ EMPTY, fill: RAUNIT]?

1. Less than 2 years old,
2. 2 to 4 years old,
3. 5 to 9 years old,
4. 10 to 14 years old,
5. 15 to 19 years old, or
6. 20 years or older?
7. As old as the home (IF VOLUNTEERED)

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<th>NEXT RAHEATOTH</th>
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<tr>
<td>Derived</td>
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<td>Show Card</td>
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<td>CARI</td>
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<tr>
<th>RAHEATOTH (Changed from 2009)</th>
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<tr>
<td><strong>ASK</strong> If RAHEATHOME=1</td>
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</tbody>
</table>

Does the [fill: RAFUELHEAT] [fill: RAEQUIPM] used to heat [If RAUNIT = EMPTY: this housing unit] [If RAUNIT ≠ EMPTY, fill: RAUNIT] also heat any other apartments, condos, households, businesses, or buildings?

1. Yes
0. No

<table>
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<tr>
<th>NEXT RACOMMENTHEAT</th>
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<tr>
<td>Derived</td>
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<td>Show Card</td>
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<td>CARI</td>
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<table>
<thead>
<tr>
<th>RACOMMENTHEAT</th>
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<tr>
<td><strong>ASK</strong> All respondents</td>
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</tbody>
</table>

Record any information here about the heating system in the unit that might provide clarification to the respondent's answers.

If there are none, press "ENTER" to continue.

Open response

<table>
<thead>
<tr>
<th>NEXT If TYPEHUQ in(4,5): RAH2OHEATAPT</th>
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<tbody>
<tr>
<td>Derived</td>
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<tr>
<td>Show Card</td>
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<tr>
<td>CARI</td>
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</tbody>
</table>
**RAH2OHEATAPT (New) (Changed from 2009)**

**ASK** If TYPEHUQ in(4,5)

Now, I have some questions about water heating.

Does this housing unit have its own water heater or is there a central water heating system that serves the whole building?

1. Water heater in housing unit
2. Central water heating system

**NEXT** RAFUELH2O

<table>
<thead>
<tr>
<th>Derived</th>
<th>Show Card</th>
<th>CARI</th>
<th>Yes</th>
</tr>
</thead>
</table>

**RAFUELH2O (Changed from 2009)**

**ASK** All respondents

What is the main water heating fuel? Is it...

1. Electricity
2. Natural gas from underground pipes
3. Propane (bottled gas)
4. Fuel oil
5. Kerosene (IF VOLUNTEERED)
6. Wood (IF VOLUNTEERED)
7. Solar (IF VOLUNTEERED)
8. Some other fuel (IF VOLUNTEERED)
9. No water heating fuel used (IF VOLUNTEERED)

**NEXT** If RAFUELH2O=9: RAFUELH2OSPEC
Else if RAFUELH2O ne 0: RAWHEATAGE
Else: RACOMMENTWATER

<table>
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<tr>
<th>Derived</th>
<th>Show Card</th>
<th>CARI</th>
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</table>

**RAFUELH2OSPEC (Changed from 2009)**

**ASK** If RAFUELH2O=9

What is this other fuel?

Open response

**NEXT** RAWHEATAGE

<table>
<thead>
<tr>
<th>Derived</th>
<th>Show Card</th>
<th>CARI</th>
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</thead>
</table>
### RAWHEATAGE (Changed from 2009)

**ASK**

If RAFUELH2O ne 0

Approximately how old is the main water heater?

1. Less than 2 years old,
2. 2 to 4 years old,
3. 5 to 9 years old,
4. 10 to 14 years old,
5. 15 to 19 years old, or
6. 20 years or older?
7. As old as the home (IF VOLUNTEERED)

**NEXT**

**RACOMMENTWATER**

**ASK**

All respondents

Record any information here about the water heating system in the unit that might provide clarification to the respondent's answers.

If there are none, press "ENTER" to continue.

Open response

**NEXT**

**RAAIRCOND**

**ASK**

All respondents

Does this housing unit have any air-conditioning?

1. Yes
2. No

**NEXT**

If RAAIRCOND=1: **RACOOLTYPE**  
Else: **RACOMMENTCOOL**
<table>
<thead>
<tr>
<th>RACOOLTYPE (Changed from 2009)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ASK</strong></td>
</tr>
<tr>
<td>What type of air-conditioning equipment does [If RAUNIT = EMPTY: this housing unit] [If RAUNIT ≠ EMPTY, fill: RAUNIT] have? Is it…</td>
</tr>
<tr>
<td>1 A central air conditioning system,</td>
</tr>
<tr>
<td>2 Individual units in the window or wall, or</td>
</tr>
<tr>
<td>3 Both a central system and individual units?</td>
</tr>
</tbody>
</table>

| NEXT | If RACOOLTYPE in(1,3): RACENACHP |
|      | If RACOOLTYPE=2: RAWWACAGE |
|      | Else: RACOMMENTCOOL |

| Derived | Show Card | CARI | Yes |

<table>
<thead>
<tr>
<th>RACENACHP (New)</th>
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<tbody>
<tr>
<td><strong>ASK</strong></td>
</tr>
<tr>
<td>Is the central air conditioning system a heat pump?</td>
</tr>
<tr>
<td>1 Yes</td>
</tr>
<tr>
<td>0 No</td>
</tr>
</tbody>
</table>

| NEXT | If RACENACHP=1: RAHPTYPE2 |
|      | Else: RAAGECENAC |

| Derived | Show Card | CARI |

<table>
<thead>
<tr>
<th>RAHPTYPE2 (New)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ASK</strong></td>
</tr>
<tr>
<td>What type of heat pump is it?</td>
</tr>
<tr>
<td>1 Electric air source</td>
</tr>
<tr>
<td>2 Geothermal or ground source</td>
</tr>
<tr>
<td>3 Natural gas</td>
</tr>
</tbody>
</table>

| NEXT | RAHPDUCTS |

| Derived | Show Card | CARI |

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<thead>
<tr>
<th>RAHPDUCTS (New)</th>
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<tbody>
<tr>
<td><strong>ASK</strong></td>
</tr>
<tr>
<td>Does the heat pump deliver cold air through ducts and vents or is it a ductless system?</td>
</tr>
<tr>
<td>1 Ducts and vents</td>
</tr>
<tr>
<td>2 Ductless</td>
</tr>
</tbody>
</table>
RAAGECENAC (Changed from 2009)

ASK If RACOOLTYPE in(1,3)

Approximately how old is the central air-conditioning equipment in [If RAUNIT = EMPTY: this housing unit] [If RAUNIT ≠ EMPTY, fill: RAUNIT]? Is it…

1. Less than 2 years old,
2. 2 to 4 years old,
3. 5 to 9 years old,
4. 10 to 14 years old,
5. 15 to 19 years old, or
6. 20 years or older?
7. As old as the home (IF VOLUNTEERED)

RAACOTHERS (Changed from 2009)

ASK If RACOOLTYPE in(1,3)

Does the central air-conditioner also cool any other apartments, condos, households, businesses, or buildings?

1. Yes
0. No

RAWWACAGE (Changed from 2009)

ASK If RACOOLTYPE in(2,3)

Approximately how old is the most-used window/wall unit? Is it…

1. Less than 2 years old,
2. 2 to 4 years old,
3. 5 to 9 years old,
4. 10 to 14 years old,
5. 15 to 19 years old, or
6. 20 years or older?
7. As old as the home (IF VOLUNTEERED)
Record any information here about the cooling in the unit that might provide clarification to the respondent's answers.

If there are none, press "ENTER" to continue.

Open response

Now, I have a few questions about kitchen appliances.

What type of cooking appliance does [If RAUNIT = EMPTY: this housing unit] [If RAUNIT ≠ EMPTY, fill: RAUNIT] have? Is it a stove that has both burners and one or two ovens, a separate built-in range top or burners only, or a separate built-in oven only?

Mark all that apply.

- A stove or range that has both a cooktop and an oven (RASTOVEN)
- A separate built-in cooktop only (RASTOVE)
- A separate built-in oven only (RAOVEN)
- None of these (RANOCOOK)

What fuel does the stove or range use? Is it...

1. Electricity,
2. Natural gas from underground pipes,
3. Propane (bottled gas), or
4. Some other fuel?
| NEXT | If RASTOVENFUEL=9 then RASTOVENFUELSPEC  
Else if RASTOVE=1: RASTOVEFUEL  
Else if RAOVEN=1: RAOVENFUEL  
Else: RATYPERFR  
Derived | Show Card | CARI |
|---|---|---|---|
| **RASTOVENFUELSPEC (Changed from 2009)** | **ASK** | If RASTOVENFUEL=9  
What is this other fuel?  
Open response |
| **NEXT** | If RASTOVE=1: RASTOVEFUEL  
Else if RAOVEN=1: RAOVENFUEL  
Else: RATYPERFR  
Derived | Show Card | CARI |
| **RASTOVEFUEL (Changed from 2009)** | **ASK** | If RASTOVE=1  
What fuel does the separate built-in cooktop use? Is it…  
1 Electricity,  
2 Natural gas from underground pipes,  
3 Propane (bottled gas), or  
9 Some other fuel?  
Next |
| **NEXT** | If RASTOVEFUEL=9 then RASTOVEFUELSPEC  
Else if RAOVEN=1: RAOVENFUEL  
Else: RATYPERFR  
Derived | Show Card | CARI |
| **RASTOVEFUELSPEC (Changed from 2009)** | **ASK** | If RASTOVEFUEL=9  
What is this other fuel?  
Open response |
| **NEXT** | If RAOVEN=1: RAOVENFUEL  
Else: RATYPERFR  
Derived | Show Card | CARI |
**RAOVENFUEL (Changed from 2009)**

**ASK**  
If RAOVEN=1

What fuel does the separate oven use? Is it...

1. Electricity,  
2. Natural gas from underground pipes,  
3. Propane (bottled gas), or  
9. Some other fuel?

**NEXT**  
If RAOVENFUEL=9 then RAOVENFUELSPEC  
Else: RATYPERFR

**RAOVENFUELSPEC (Changed from 2009)**

**ASK**  
If RAOVENFUEL=21

What is this other fuel?

Open response

**NEXT**  
RATYPERFR

**RATYPERFR (Changed from 2009)**

**ASK**  
All respondents

Which of the following best describes the refrigerator in [If RAUNIT = EMPTY: this housing unit] [If RAUNIT ≠ EMPTY, fill: RAUNIT]? If [If RAUNIT = EMPTY: this housing unit] [If RAUNIT ≠ EMPTY, fill: RAUNIT] has more than one refrigerator, please consider the main refrigerator. Is it...

1. Full-size with one door,  
2. Full-size with two doors, freezer next to the refrigerator,  
3. Full-size with two doors, freezer above the refrigerator,  
4. Full-size with two doors, freezer below the refrigerator,  
5. Full-size with three or more doors,  
6. Half-size or compact, or  
7. Some other kind?

**NEXT**  
RAAGERFRI

**Derived**  
Show Card  
CARI
### RAAGERFRI (Changed from 2009)

**ASK**  
All respondents

Approximately how old is the refrigerator? Your best estimate is fine. Is it...

1. Less than 2 years old,
2. 2 to 4 years old,
3. 5 to 9 years old,
4. 10 to 14 years old,
5. 15 to 19 years old, or
6. 20 years or older?
7. As old as the home (IF VOLUNTEERED)

### NEXT | RACOMMENTAPP

**Derived** | Show Card | CARI

### RACOMMENTAPP

**ASK**  
All respondents

Record any information here about the large kitchen appliances in the unit that might provide clarification to the respondent's answers.

If there are none, press "ENTER" to continue.

Open response

### NEXT | If RAHEATHEAT=1: RAFUELHEATPAY  
Else: RAFUELH2OPAY

**Derived** | Show Card | CARI

### RAFUELHEATPAY (Changed from 2009)

**ASK**  
If RAHEATHOME=1

I have just a few more questions about this housing unit.

Is the [fill: RAFUELHEAT] used for heating in [If RAUNIT = EMPTY: this housing unit] [If RAUNIT ≠ EMPTY, fill: RAUNIT] paid for by the tenant, included in the rent or condominium fee, or paid some other way?

1. Paid for by the tenant
2. Included in the rent or condominium fee
3. Paid some other way

### NEXT | RAFUELH2OPAY

**Derived** | Show Card | CARI
### RAFUELH2OPAY (Changed from 2009)

**ASK**  
All respondents

Is the [fill: RAFUELH2O] used for water heating paid for by the tenant, included in the rent or condominium fee, or paid some other way?

1. Paid for by the tenant  
2. Included in the rent or condominium fee  
3. Paid some other way

**NEXT**  
If RAAIRCOND=1: RAAIRCONDpay;  
Else RALIGHTPAY

**Derived**  
**Show Card**  
**CARI**

### RACOOLPAY (Changed from 2009)

**ASK**  
If RAAIRCOND=1

Is the electricity used for air-conditioning paid for by the tenant, included in the rent or condominium fee, or paid some other way?

1. Paid for by the tenant  
2. Included in the rent or condominium fee  
3. Paid some other way

**NEXT**  
RALIGHTPAY

**Derived**  
**Show Card**  
**CARI**

### RALIGHTPAY (Changed from 2009)

**ASK**  
All respondents

Is the electricity used for lighting paid for by the tenant, included in the rent or condominium fee, or paid some other way?

1. Paid for by the tenant  
2. Included in the rent or condominium fee  
3. Paid some other way

**NEXT**  
RACOMMENTPAY

**Derived**  
**Show Card**  
**CARI**
<table>
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<th>RACOMMENTPAY</th>
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<tbody>
<tr>
<td><strong>ASK</strong></td>
<td>All respondents</td>
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</table>

Record any information here about how the bills are paid in the unit that might provide clarification to the respondent's answers.

If there are none, press "ENTER" to continue.

Open response

<table>
<thead>
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<th>NEXT</th>
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<table>
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