

2020 RECS Pretesting – Generic Clearance  
 Crowdsourcing Protocol (Instrument 3)

**Instrument 3 (Crowdsourcing)**

This survey is part of a voluntary research study to find out about your household energy use. In addition to asking you questions about your energy use, this web survey includes several open-ended questions specifically asking you to provide comments regarding how you came up with your answers to the questions. Your responses to these open-ended questions will be used to revise the survey questions. There are no right or wrong answers to the open-ended questions. Your feedback is extremely helpful for us to better refine the survey questionnaire. Your responses will be kept private and confidential.

The entire survey should take **about 30 minutes** to complete. You will receive **\$5.00** after you complete the survey and your HIT is approved.

TYPEHUQ	
<b>ASK</b>	All respondents
Which best describes your home?  2 Mobile home 6 Single-family house detached from any other house 7 Single-family house attached to one or more other houses (for example: duplex, row house, or townhome) 8 Apartment in a building with 2 to 4 units 9 Apartment in a building with 5 or more units	
<b>NEXT</b>	BEDROOMS, NCOMBATH, NHAFBATH, OTHROOMS
<b>NOTE</b>	Question is included to characterize participants as representing single family versus multi-family households.
<b>PROBES</b>	None

BEDROOMS, NCOMBATH, NHAFBATH, OTHROOMS	
<b>ASK</b>	All respondents
How many of the following types of rooms are in your home? Include rooms in finished basements and finished attics. If none, please enter "0."  _____ Bedrooms (BEDROOMS) _____ Full bathrooms (A full bathroom includes a sink with running water, a toilet, and a bath or shower.) (NCOMBATH) _____ Half bathrooms (A half bathroom includes a sink with running water and either a toilet, a bath, or a shower.) (NHAFBATH) _____ Other rooms (Include living or family rooms, kitchens, home offices, etc. Do not include hallways, closets, or rooms you already counted above.) (OTHROOMS)  {ALLOW RANGE 0-30 FOR EACH. REQUIRE RESPONSE FOR NUMBER OF BEDROOMS BECAUSE IT TRIGGERS THE SOFT CHECK IN SF2.}	

<b>NEXT</b>	SF1
<b>NOTE</b>	Question is included to trigger the soft check on SF2.
<b>PROBES</b>	None

SF1	
<b>ASK</b>	All respondents
<p>A home's size is typically reported in "square feet." Do you know your home's square footage?</p> <p>1 Yes 0 No</p>	
<b>NEXT</b>	If SF1 = 1: SF2 Else: SF3
<b>NOTE</b>	
<b>PROBES</b>	None

SF2	
<b>ASK</b>	If SF1 = 1
<p>What is the square footage of your home? <i>We would rather you select 'Don't know' than provide a guess.</i></p> <p>_____square feet</p> <p>Don't know</p> <p>"SOFT CHECK" WILL APPEAR FOR ALL RESPONSES OUTSIDE OF THE 25th-75<sup>th</sup> PERCENTILES BASED ON NUMBER OF BEDROOMS (SHOWN BELOW):</p> <ul style="list-style-type: none"> <li>• 0 BEDROOMS: 450-800 SQ FT</li> <li>• 1 BEDROOM: 600-800 SQ FT</li> <li>• 2 BEDROOMS: 800-1200 SQ FT</li> <li>• 3 BEDROOMS: 1200-2000 SQ FT</li> <li>• 4 BEDROOMS: 1800-2800 SQ FT</li> <li>• 5+ BEDROOMS: 2000-4000 SQ FT</li> </ul> <p>HALF WILL RECEIVE SOFT CHECK A: You reported that your home is [FILL] square feet. This number is [larger/smaller] than we expected based on other information about your home. Please verify your response.</p> <p>1 My response is <u>correct</u>. I would like to continue to the next question. 2 My response is <u>incorrect</u>. I would like to edit my response. 3 I am <u>unsure</u>. I would like to change my response to "Don't know."</p> <p>IF SOFT CHECK = 2, ASK FOR SQUARE FOOTAGE AGAIN. INSTRUMENT SHOULD RECORD BOTH ORIGINAL RESPONSE AND UPDATED RESPONSE.</p> <p>HALF WILL RECEIVE SOFT CHECK B: Please verify your response.</p> <p>1 My response is <u>correct</u>. I would like to continue to the next question. 2 My response is <u>incorrect</u>. I would like to edit my response.</p>	

<p>3 I am <u>unsure</u>. I would like to change my response to “Don’t know.”</p> <p>IF SOFT CHECK = 2, ASK FOR SQUARE FOOTAGE AGAIN. INSTRUMENT SHOULD RECORD BOTH ORIGINAL RESPONSE AND UPDATED RESPONSE.</p>	
<b>NEXT</b>	If SF2 = DK, SF3 Else: SF4
<b>NOTE</b>	
<b>PROBES</b>	<ul style="list-style-type: none"> <li>• How accurate do you think your response is? (Extremely accurate, Very accurate, Somewhat accurate, Not very accurate, Not at all accurate)</li> <li>• IF RECEIVED SOFT CHECK A: The survey noted that your original response was [larger/smaller] than we expected based on other information about your home. Please tell us what you thought when you saw this message.</li> <li>• How do you feel about this message?</li> </ul>

<b>SF3</b>	
<b>ASK</b>	If SF1 = 0 or SF2 = DK
<p>We understand that you might not know how many square feet your home is. A home’s size is closely related to its energy use, so we would like you to <u>provide an estimate</u>. Please tell us which category best describes the square footage of your home.</p> <p>1 Less than 500 square feet  2 500-999 square feet  3 1,000-1,499 square feet  4 1,500-1,999 square feet  5 2,000-2,499 square feet  6 2,500-2,999 square feet  7 3,000-3,499 square feet  8 3,500-3,999 square feet  9 4,000 square feet or more  10 Don’t know (<i>Select this option only if you are unable to provide a guess.</i>)</p>	
<b>NEXT</b>	IF SF1=1, SF4 ELSE: VACANT
<b>NOTE</b>	
<b>PROBES</b>	<ul style="list-style-type: none"> <li>• How did you decide which response to select? Please describe your thought process.</li> <li>• Is anything about this question confusing or unclear? Please explain.</li> <li>• What do you think of the response categories? Do you think they should be changed, or are they okay? Please explain.</li> </ul>

<b>SF4</b>	
<b>ASK</b>	If SF1 = 1 & SF2 ≠ DK
<p>What sources of information did you use to determine your home’s square footage? <i>Select all that apply.</i></p> <p>1 I checked my property tax documents  2 I checked my lease or mortgage documents</p>	

3	I remember from when I leased or bought my home
4	I asked someone else who knows
5	I checked an internet site (e.g., Zillow)
6	Other (please specify): _____
<b>NEXT</b>	VACANT
<b>NOTE</b>	
<b>PROBES</b>	None

<b>VACANT, VACANTLEN</b>	
<b>ASK</b>	All respondents
<p>During the past year, was your home vacant for one or more months?</p> <p>1 Yes 0 No</p> <p>Don't know</p> <p><b>VACANTLEN</b> (ASK IF VACANT = 1) For how many months was your home vacant during the last year?</p>	
<b>NEXT</b>	STOVEN, STOVE, OVEN
<b>NOTE</b>	
<b>PROBES</b>	<ul style="list-style-type: none"> <li>• IF VACANT = 1: For what reason was your home vacant?</li> <li>• IF VACANTLEN IS ANSWERED: How confident are you that the number of months you reported your home was vacant is accurate? (Extremely confident, Very confident, Somewhat confident, Not very confident, Not at all confident)</li> <li>• Did you have any difficulty answering [this question/these questions]? Please explain.</li> <li>• Suppose you moved into your home in the last year. Do you think [this question is/these questions are] asking only about vacancy <u>after</u> you moved into your home, or do you think [it includes/they include] both the time <u>before and after</u> you moved in? (Only after I moved in; Both before and after I moved in)</li> </ul>

<b>STOVEN, STOVE, OVEN</b>	
<b>ASK</b>	All respondents
<p>PRESENT ITEMS ON THE SAME PAGE AND INCLUDE IMAGE OF EACH ITEM.</p> <p><b>STOVEN</b> How many stoves/ranges do you have in your home?</p> <p><b>STOVE</b> How many separate cooktops without an oven do you have in your home?</p> <p><b>OVEN</b> How many separate wall ovens do you have in your home?</p>	

<b>NEXT</b>	If STOVEN>0: STOVENIND Else if STOVE>0: STOVEIND Else: TVCOLOR
<b>NOTE</b>	
<b>PROBES</b>	None

<b>STOVENIND</b>	
<b>ASK</b>	If STOVEN>0
Does your [If STOVEN>1: <u>most used</u> ] <u>stove/range</u> have an induction cooktop?	
1 Yes 0 No	
<b>NEXT</b>	If STOVE>0: STOVEIND Else: TVCOLOR
<b>NOTE</b>	
<b>PROBES</b>	<ul style="list-style-type: none"> <li>• How confident are you that your answer is correct? (Extremely confident, Very confident, Somewhat confident, Not very confident, Not at all confident)</li> <li>• How familiar are you with induction cooktops? (Extremely familiar, Very familiar, Somewhat familiar, Not very familiar, Not at all familiar) <ul style="list-style-type: none"> <li>o IF FAMILIAR: In your own words, what is an induction cooktop? <i>If you are not sure, please do <u>not</u> look it up—we are interested in what <u>you</u> think it is.</i></li> </ul> </li> </ul>

<b>STOVEIND</b>	
<b>ASK</b>	If STOVE>0
Is your [If STOVE>1: <u>most used</u> ] <u>separate cooktop</u> an induction cooktop?	
1 Yes 0 No	
<b>NEXT</b>	TVCOLOR
<b>NOTE</b>	
<b>PROBES</b>	<ul style="list-style-type: none"> <li>• How confident are you that your answer is correct? (Extremely confident, Very confident, Somewhat confident, Not very confident, Not at all confident)</li> <li>• ASK ONLY IF STOVENIND WAS NOT ASKED: How familiar are you with induction cooktops? (Extremely familiar, Very familiar, Somewhat familiar, Not very familiar, Not at all familiar) <ul style="list-style-type: none"> <li>o IF FAMILIAR: In your own words, what is an induction cooktop? <i>If you are not sure, please do <u>not</u> look it up—we are interested in what <u>you</u> think it is.</i></li> </ul> </li> </ul>

TVCOLOR	
<b>ASK</b>	All respondents
<p>How many televisions are used in your home? If none, please enter "0."</p> <p>____ Televisions</p> <p>{{ALLOW RANGE 00-30}}</p>	
<b>NEXT</b>	If TVCOLOR>0 : TVUSE1A, TVUSE1B Else: DESKTOP, LAPTOP, TABLET, PCPRINT, SMARTPHN, CELLPHN
<b>NOTE</b>	Question is included to satisfy skip logic for TV usage (TVUSE1A/TVUSE1B).
<b>PROBES</b>	None

TVUSE1A, TVUSE1B	
<b>ASK</b>	If TVCOLOR>0
<p>What is the main use of your <u>most used</u> television?</p> <ol style="list-style-type: none"> <li>1 Watching live programming</li> <li>2 Watching recorded or on-demand programming from a set-top box</li> <li>3 Streaming content via built-in smart TV apps</li> <li>4 Streaming content via a separate streaming device connected to the television</li> <li>5 Playing video games</li> <li>6 Other (please specify):</li> </ol> <p>What is the main use of your <u>most used</u> television?</p> <ol style="list-style-type: none"> <li>1 Watching live, recorded, or on-demand programming</li> <li>2 Streaming content via built-in smart TV apps or a separate streaming device</li> <li>3 Playing video games</li> <li>4 Other (please specify):</li> </ol>	
<b>NEXT</b>	DESKTOP, LAPTOP, TABLET, PCPRINT, SMARTPHN, CELLPHN
<b>NOTE</b>	
<b>PROBES</b>	<ul style="list-style-type: none"> <li>• Are any of the answer options confusing or unclear?</li> <li>• Do you use a television for any purposes not listed in the question? (EXPLAIN)</li> <li>• Which answer would you choose if your main use was watching DVDs?</li> </ul>

DESKTOP, LAPTOP	
<b>ASK</b>	All Respondents
<p>How many of each of the following are used in your home? If none, please enter "0."</p> <p>_____ Desktop computer (DESKTOP)</p> <p>_____ Laptop computer (LAPTOP)</p> <p>{ALLOW RANGE 00-30 FOR ALL}</p>	

<b>NEXT</b>	If DESKTOP > 0: TIMEON1 Else if LAPTOP > 0: TIMEON1 Else if TABLET > 0: TIMEON1 Else: HEATHOME
<b>NOTE</b>	Question is included to satisfy skip logic for computer usage (TIMEON1). Additional devices are included in the cognitive testing version of this item.
<b>PROBES</b>	None

<b>TIMEON1</b>	
<b>ASK</b>	If DESKTOP+LAPTOP>0
Thinking about the [If DESKTOP+NUMLAPTOP>1: most used] computer, how many hours each day is it used?	
<ol style="list-style-type: none"> <li>1 Less than 1 hour</li> <li>2 1 to 3 hours</li> <li>3 4 to 6 hours</li> <li>4 7 to 10 hours</li> <li>5 More than 10 hours</li> </ol>	
<b>NEXT</b>	LGTINNUM
<b>NOTE</b>	
<b>PROBES</b>	<ul style="list-style-type: none"> <li>• Which of the following items do you think this question is asking about? (Desktop computer; Laptop computer; Tablet computer or e-reader [for example: iPad or Kindle]; Printer, scanner, fax machine, or copier; 'Smart phones' [for example, iPhone or Android]; Other cellular phones)</li> </ul>

<b>LGTINNUM</b>	
<b>ASK</b>	All respondents
Approximately how many <u>light bulbs</u> are installed <u>inside your home</u> ? Include light bulbs in ceiling fixtures and fans, table and floor lamps, as well as those used infrequently, such as in hallways, closets, and garages. For fixtures with multiple bulbs, count each bulb separately.	
<ol style="list-style-type: none"> <li>1 Fewer than 20 light bulbs</li> <li>2 20 to 39 light bulbs</li> <li>3 40 to 59 light bulbs</li> <li>4 60 to 79 light bulbs</li> <li>5 80 or more light bulbs</li> </ol> <p>Don't Know</p>	
<b>NEXT</b>	ILTUSE
<b>NOTE</b>	Question is included to provide context for ILTUSE.
<b>PROBES</b>	None

ILTUSE	
<b>ASK</b>	All respondents
<p>How many of the light bulbs inside your home are turned on for...</p> <p>a. Between 1 and 4 hours per day? _____</p> <p>b. Between 4 and 8 hours per day? _____</p> <p>c. More than 8 hours per day? _____</p>	
<b>NEXT</b>	OLTUSE
<b>NOTE</b>	
<b>PROBES</b>	<ul style="list-style-type: none"> <li>• How easy or difficult was it to answer this question? (Very easy, Somewhat easy, Neither easy nor difficult, Somewhat difficult, Very difficult)</li> <li>• How accurate do you think your response is? (Extremely accurate, Very accurate, Somewhat accurate, Not very accurate, Not at all accurate)</li> <li>• Please explain why this question was easy or difficult to answer.</li> </ul>

OLTUSE	
<b>ASK</b>	All respondents
<p>Does your home have any outside lights? For apartments, only consider light bulbs connected to or controlled by your unit.</p> <p>1 Yes 0 No</p>	
<b>NEXT</b>	If OLTUSE = 1: OLTWHEN Else: EV1
<b>NOTE</b>	Question is included to ease into OLTWHEN. The probe findings from OLTUSE also apply to OLTWHEN.
<b>PROBES</b>	<ul style="list-style-type: none"> <li>• When you thought about "outside lights," did you think about holiday lights? (Yes/No)</li> </ul>

OLTWHEN	
<b>ASK</b>	All respondents
<p>When do you use outdoor lights?</p> <p>_____</p>	
<b>NEXT</b>	OTHWORk
<b>NOTE</b>	
<b>PROBES</b>	<ul style="list-style-type: none"> <li>• Does your use of outdoor lights vary from day to day, or do you use them consistently each day? Please explain.</li> <li>• Does your use of outdoor lights vary from season to season, or do you use them consistently regardless of the season? Please explain.</li> </ul>



OTHWORk, OTHACT	
<b>ASK</b>	All respondents
<p>50% RECEIVE VERSION 1; 50% RECEIVE VERSION 2</p> <p><b>VERSION 1</b> Is there any other kind of activity occurring in your home that uses a lot more energy than would usually be used in a home?</p> <p>1 Yes (please specify) (<b>OTHACT</b>) 0 No</p> <p><b>VERSION 2</b> Are there any other devices used in your home that use a lot more energy than would usually be used in a home? Examples include hair dryers, air purifiers, water softeners, sump pumps, well pumps, medical devices, engine block heaters, power tools, woodworking or hobby equipment, aquariums, extreme holiday lights, etc.</p> <p>1 Yes (please specify) (<b>OTHACT</b>) 0 No</p>	
<b>NEXT</b>	POWEROUT
<b>NOTE</b>	
<b>PROBES</b>	None

POWEROUT, WHYPOWEROUT	
<b>ASK</b>	All respondents
<p>During the past year, has your home had a power outage lasting at least 24 hours?</p> <p>0 Yes (please briefly explain why): 0 No</p> <p>[IF POWEROUT=1] Which of the following best describes why this power outage occurred? <i>If you experienced multiple power outages during the past year, please select the reason for the longest outage.</i></p> <p>1 Natural disaster or weather event 2 Unable to pay electric bills 3 Electricity utility had a planned or unplanned blackout 4 Other (please specify):</p>	
<b>NEXT</b>	END
<b>NOTE</b>	
<b>PROBES</b>	<ul style="list-style-type: none"> <li>Did you have any difficulty answering either of these questions? Please explain.</li> </ul>

This is the end of the task.

This is your MTurk verification code: **[DISPLAY RANDOM 8-DIGIT ALPHANUMERIC STRING]**

Please enter the verification code in your HIT on MTurk to receive approval. Remember to copy your code before you close the current browser tab or window.

Thank you for your participation!