



Independent Statistics & Analysis

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Administration

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Multifamily Building Study (MBS) Pilot Questionnaire



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How to use this questionnaire

The Multifamily Building Study (MBS) pilot will rely on self-administered web and interviewer-administered phone instruments (CATI). The primary purpose of these specifications is to document the wording of questions and response options, as well as the skip logic that guides respondents or interviewers through the web and phone instruments. A secondary purpose of these specifications is to document metadata for various MBS project needs – this includes variable names, variable types, response set values, and allowable numeric ranges.

The template for each item in these specifications is as follows:

VARIABLE1	
ASK	All respondents
Web Question Text	
1 Yes	
0 No	
CATI Question Text	
1 YES	
0 NO	
NEXT	VARIABLE2

In the example above, the responses to VARIABLE1 would be stored as values of 1 and 0. For questions that require a numeric response, the allowable range is specified in this format: {ALLOW RANGE 0 – 99}. Other responses will be coded as 99, “Not Applicable” responses will be coded as (-3), “Don’t Know” responses will be coded as (-4), and refused responses will be coded as (-5).

PROGRAMMER NOTES

CAWI:

- All of the CAWI questions should have a missing soft prompt – Did you mean to leave this question blank? – with options to Change Answer or Continue. Any variables with unique soft prompts are noted in the specifications below.
- On CAWI, DK cannot be selected if a response to the item is entered. Custom form to prevent check box from being selected and a value being entered (applies to SQFT, RESIDP2, YRCON, RENV, and RESOCC)

CATI:

- All of the CATI questions should be required.
- On CATI, DK or REF cannot be selected if a response to the item is entered. DK and REF will be a radio button selection below question.

CAWI and CATI:

- Display the following as a header on every screen except INELIGIBLE, COMMENTS, and END:
Please answer about the following building:
[MBSBUILDING]
[MBSADDRESS]
[MBSCTY], [MBSSTATE] [MBSZIP]

Introductory Text

INTRO	
ASK	All respondents
<p>Introduction and Consent</p> <p>We hope you enjoy completing this questionnaire, and appreciate greatly your help in understanding how energy gets consumed in multifamily buildings throughout the United States.</p> <p>Please remember the following important points:</p> <ul style="list-style-type: none">• Completing this survey should take about 25 minutes.• The building name or address will never be connected to the answers you provide, and the data we collect will be used only for statistical purposes.• Taking part in this survey is entirely voluntary. You can skip any questions you do not wish to answer. There is no penalty if you choose to skip any question or any part of the questionnaire. <p>If you are age 18 or older and wish to participate, please click the Next button below to begin the survey.</p> <p>If you do not wish to participate in this study, please close your browser window.</p> <p>OMB No. 1905-0186 Expiration date: 04/30/2022</p>	
<p>Thank you for agreeing to participate. We hope you enjoy completing this survey, and we appreciate greatly your help in understanding how energy gets consumed in multifamily buildings throughout the United States. This survey should take about 25 minutes to complete. The building name or address will never be connected to the answers you provide, and the data we collect will be used only for statistical purposes.</p> <p>Taking part in this survey is entirely voluntary. You can skip any questions you do not wish to answer. This call may be recorded or monitored for quality purposes.</p> <p>It will be helpful if you have property information readily available during this call. I am going to ask questions about the size of the building, building construction materials, types of residential units, commercial areas, common spaces, heating and cooling equipment, and about energy use. We can pause at any time if you need a minute to look up the requested information. Let's get started.</p>	
NEXT	SINGLEBLD

Characteristics

SINGLEBLD, SINGLEBLD_other	
ASK	All respondents
<p>To start, let's verify that we are collecting information for the right building. Is there a single building located at this address or multiple buildings?</p> <ol style="list-style-type: none"> 1 There is a <u>single</u> building located at [MBSADDRESS] 2 There are <u>multiple</u> buildings located at [MBSADDRESS] – please provide responses for the largest building 99 Some other situation(?) (describe) – please provide responses for the largest building [SINGLEBLD_other] 	
<p>To start, let's verify that we are collecting information for the right building. If there is more than 1 building at [MBSADDRESS], we only need information for the largest building. Is there a single building located at this address or multiple buildings?</p> <ol style="list-style-type: none"> 1 THERE IS A <u>SINGLE</u> BUILDING LOCATED AT [MBSADDRESS], 2 THERE ARE <u>MULTIPLE</u> BUILDINGS LOCATED AT [MBSADDRESS], 99 OTHER IF OTHER ASK: How would you describe this address? [SINGLEBLD_other] <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	SQFT
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF SINGLEBLD=99 AND SINGLEBLD_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF SINGLEBLD=99 AND SINGLEBLD_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p>

SQFT, SQFT_DKREF	
ASK	All respondents
<p>What is the gross or total square footage of all <u>indoor</u> space in the building? Include both finished <u>and</u> unfinished <u>indoor</u> spaces, such as basements, hallways, lobbies, stairways, elevators shafts, and <u>indoor</u> parking areas.</p> <p>_____ square feet</p> <p>{ALLOW RANGE 100 – 9,999,999}</p> <p>-4 Don't know</p>	
<p>Now I'm going to ask you some questions about characteristics of the building. We'll start with the square footage.</p> <p>Do you know what the gross or total square footage of all <u>indoor</u> space in the building is? If yes, include both finished <u>and</u> unfinished <u>indoor</u> spaces, such as basements, hallways, lobbies, stairways, elevators shafts, and <u>indoor</u> parking areas.</p> <p>_____ SQUARE FEET</p> <p>{ALLOW RANGE 100 – 9,999,999}</p> <p>-4 DON'T KNOW</p> <p>-5 REFUSED</p>	
NEXT	If 100 ≤ SQFT ≤ 9,999,999: RESIDP Else: SQFTC
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>HARD PROMPT IF OUT OF RANGE: Your response was outside the expected range of 100 to 9,999,999. <BUTTON: Close></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF OUT OF RANGE: Your response was outside the expected range of 100 to 9,999,999. <BUTTON: Close></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

SQFTC	
ASK	If NOT 1 ≤ SQFT ≤ 9,999,999
<p>We understand that it may be difficult to give an exact figure for square footage. Which of the following categories best describes the <u>total gross</u> square footage in the building?</p> <ol style="list-style-type: none"> 1 5,000 square feet or less 2 5,001 to 10,000 square feet 3 10,001 to 25,000 square feet 4 25,001 to 50,000 square feet 5 50,001 to 100,000 square feet 6 100,001 to 200,000 square feet 7 200,001 to 500,000 square feet 8 Over 500,000 square feet 	
<p>We understand that it may be difficult to give an exact figure for square footage. Please tell me which of the following categories best describes the <u>total gross</u> square footage in the building.</p> <ol style="list-style-type: none"> 1 5,000 square feet or less, 2 5,001 to 10,000 square feet, 3 10,001 to 25,000 [square feet], 4 25,001 to 50,000 [square feet], 5 50,001 to 100,000 [square feet], 6 100,001 to 200,000 [square feet], 7 200,001 to 500,000 [square feet], 8 <u>Or</u> over 500,000 square feet? <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	RESIDP
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

RESIDP, RESIDP_DKREF	
ASK	All respondents
<p>What percentage of the total square footage in the building is <u>residential space</u>? Your best estimate is fine.</p> <p>_____ %</p> <p>{ALLOW RANGE 0 – 100}</p>	
<p>What percentage of the total square footage in the building is <u>residential space</u>? Your best estimate is fine.</p> <p>_____ %</p> <p>{ALLOW RANGE 0 – 100}</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	<p>If RESIDP > 0: YRCON Else if RESIDP = 0: NORESIDENTIAL Else: RESIDP2</p>
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>HARD PROMPT IF OUT OF RANGE: Your response was outside the expected range of 0 to 100. Please revise your response. <BUTTON: Close></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF OUT OF RANGE: Your response was outside the expected range of 0 to 100. Please revise your response. <BUTTONS: Change Answer></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

NORESIDENTIAL	
ASK	If RESIDP=0
<p>You reported that the building does not include <u>any</u> residential space. If this is true, you may not be eligible for this survey. Just to confirm, is there <u>any</u> residential space in the building?</p> <p>1 Yes (continue survey) 0 No (end survey)</p>	
<p>Just to confirm, is there <u>any</u> residential space in the building?</p> <p>1 YES 0 NO</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	If NORESIDENTIAL = 1: RESIDP2 Else: INELIGIBLE
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

RESIDP2, RESIDP2_DKREF	
ASK	If NORESIDENTIAL = 1 or RESIDP = missing or RESIDP in (-4, -5)
<p>Although you may not know the exact answer, it is helpful to have an estimate. About what percentage of the total square footage in the building is <u>residential space</u>?</p> <p>_____ %</p> <p>{ALLOW RANGE 0 – 100}</p> <p>-4 Don't know</p>	
<p>Although you may not know the exact answer, it is helpful to have an estimate. About what percentage of the total square footage in the building is <u>residential space</u>?</p> <p>_____ %</p> <p>{ALLOW RANGE 0 – 100}</p> <p>-4 DON'T KNOW</p> <p>-5 REFUSED</p>	
NEXT	If RESIDP2 = 0: INELIGIBLE Else: YRCON
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>HARD PROMPT IF OUT OF RANGE: Your response was outside the expected range of 0 to 100. Please revise your response. <BUTTON: Close></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p> <p>HARD PROMPT IF OUT OF RANGE: Your response was outside the expected range of 0 to 100. Please revise your response. <BUTTON: Close></p>

INELIGIBLE	
ASK	If RESIDP=0 or RESIDP2=0 or DK or is missing or NORESIDENTIAL=0
Based on information you have provided, it appears that the building is not eligible for this survey.	
Based on the information you have provided, it appears that the building is not eligible for this survey.	
NEXT	COMMENTS; set status to 2321 if web or 2320 if CATI

YRCON, YRCON_DKREF	
ASK	All respondents
<p>In what year was the building constructed? If there have been major additions, give the year the <u>largest</u> portion of the building was completed.</p> <p>_____</p> <p>{ALLOW RANGE 1700 – 2021}</p> <p>-4 Don't know</p>	
<p>In what year was the building constructed, or do you not know? If there have been major additions, give the year the <u>largest</u> portion of the building was completed.</p> <p>_____</p> <p>{ALLOW RANGE 1700 – 2021}</p> <p>-4 DON'T KNOW</p> <p>-5 REFUSED</p>	
NEXT	If 1700 ≤ YRCON ≤ 2021: NFLOOR Else: YRCONC
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF OUT OF RANGE: Your response was outside the expected range of 1700 to 2021. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>SOFT PROMPT IF OUT OF RANGE: Your response was outside the expected range of 1700 to 2021. <BUTTONS: Change Answer / Continue></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

YRCONC	
ASK	If NOT 1700 le YRCON le 2021
<p>Which range best describes when the building was constructed? If there have been major additions, give the range when the <u>largest</u> portion of the building was completed.</p> <ol style="list-style-type: none"> 1 Before 1920 2 1920 to 1945 3 1946 to 1959 4 1960 to 1969 5 1970 to 1979 6 1980 to 1989 7 1990 to 1999 8 2000 to 2009 9 2010 to 2015 10 2016 to 2021 	
<p>Which of the following ranges best describes when the building was constructed? If there have been major additions, give the range when the <u>largest</u> portion of the building was completed.</p> <ol style="list-style-type: none"> 1 Before 1920, 2 1920 to 1945, 3 1946 to 1959, 4 1960 to 1969, 5 1970 to 1979, 6 1980 to 1989, 7 1990 to 1999, 8 2000 to 2009, 9 2010 to 2015, 10 <u>Or</u> 2016 to 2021? <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	NFLOOR
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

NFLOOR, NFLOOR_DKREF	
ASK	All respondents
<p>Including basements and underground parking areas, how many floors or stories are in the building?</p> <p>_____ floors or stories</p> <p>{ALLOW RANGE 1 – 999}</p>	
<p>Including basements and underground parking areas, how many floors or stories are in the building?</p> <p>_____ FLOORS OR STORIES</p> <p>{ALLOW RANGE 1 – 999}</p> <p>-4 DON'T KNOW</p> <p>-5 REFUSED</p>	
NEXT	<p>If NFLOOR = 1: INTHALL</p> <p>Else: ELEVTR</p>
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank?</p> <p><BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF OUT OF RANGE: Your response was outside the expected range of 1 to 999.</p> <p><BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK?</p> <p><BUTTON: Close></p> <p>SOFT PROMPT IF OUT OF RANGE: Your response was outside the expected range of 1 to 999.</p> <p><BUTTONS: Change Answer / Continue></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH.</p> <p><BUTTON: Close></p>

ELEVTR, ELEVTR_DKREF	
ASK	If NFLOOR ne 1
<p>How many elevators are in the building?</p> <p>_____ elevators</p> <p>{ALLOW RANGE 0 – 99}</p>	
<p>How many elevators are in the building?</p> <p>_____ ELEVATORS</p> <p>{ALLOW RANGE 0 – 99}</p> <p>-4 DON'T KNOW</p> <p>-5 REFUSED</p>	
NEXT	INTHALL
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

INTHALL	
ASK	All respondents
<p>Does the building have <u>interior</u> hallways or stairwells?</p> <p>1 Yes 0 No</p>	
<p>Does the building have <u>interior</u> hallways or stairwells?</p> <p>1 YES 0 NO -4 DON'T KNOW -5 REFUSED</p>	
NEXT	If INTHALL = 1: HALLHEAT Else: RFCNS
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

HALLHEAT	
ASK	If INTHALL=1
<p>Are <u>most</u> interior hallways or stairwells heated or cooled?</p> <p>1 Yes 0 No</p>	
<p>Are <u>most</u> interior hallways or stairwells heated or cooled?</p> <p>1 YES 0 NO -4 DON'T KNOW -5 REFUSED</p>	
NEXT	RFCNS
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

RFCNS	
ASK	All respondents
<p>Which of the following <u>best</u> describes the building's exterior roof surface? <i>Select only one.</i></p> <ul style="list-style-type: none"> 1 Built-up (tar, felts, or fiberglass and a ballast, such as stone) 2 Slate or tile shingles 3 Wood shingles, shakes, or other wooden materials 4 Asphalt, fiberglass, or other shingles 5 Metal surfacing 6 Plastic, rubber, or synthetic sheeting (single or multiple ply) 7 Concrete 99 Other 	
<p>Which of the following <u>best</u> describes the building's exterior roof surface? <i>Please select only one.</i></p> <ul style="list-style-type: none"> 1 Built-up, such as tar, felts, or fiberglass and a ballast, such as stone, 2 Slate or tile shingles, 3 Wood shingles, shakes, or other wooden materials, 4 Asphalt, fiberglass, or other shingles, 5 Metal surfacing, 6 Plastic, rubber, or synthetic sheeting, including single or multiple ply, 7 Concrete, 99 <u>Or</u> some other type of surfacing? -4 DON'T KNOW -5 REFUSED 	
NEXT	RFTILT
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

RFTILT	
ASK	All respondents
<p>Which of the following categories <u>best</u> describes the <u>tilt</u> or <u>pitch</u> of the roof of the building?</p> <ol style="list-style-type: none"> 1 Flat 2 Shallow pitch 3 Steep pitch 	
<p>Which of the following categories <u>best</u> describes the <u>tilt</u> or <u>pitch</u> of the roof of the building?</p> <ol style="list-style-type: none"> 1 Flat, 2 Shallow pitch, 3 <u>Or</u> steep pitch? -4 DON'T KNOW -5 REFUSED 	
NEXT	WLCNS
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

WLCNS	
ASK	All respondents
<p>Which of the following <u>best</u> describes the exterior wall construction material used on the building? <i>Select only one.</i></p> <ul style="list-style-type: none"> 1 Brick, stone, or stucco 2 Pre-cast concrete panels 3 Concrete block or above grade poured concrete 4 Aluminum, asbestos, plastic, or wood materials (siding, shingles, tiles, or shakes) 5 Window or vision glass that can be seen through 6 Decorative or construction glass 99 Other 	
<p>Which of the following <u>best</u> describes the exterior wall construction material used on the building? <i>Please select only one.</i></p> <ul style="list-style-type: none"> 1 Brick, stone, or stucco, 2 Pre-cast concrete panels, 3 Concrete block or above grade poured concrete, 4 Aluminum, asbestos, plastic, or wood materials, such as siding, shingles, tiles, or shakes, 5 Window or vision glass that can be seen through, 6 Decorative or construction glass, 99 <u>Or</u> some other type of material? -4 DON'T KNOW -5 REFUSED 	
NEXT	GLSSPC
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

GLSSPC	
ASK	All respondents
<p>Not including wall areas constructed with <u>decorative or construction glass</u>, which of the following ranges best describes the percentage of the building's exterior wall surface that is covered with window glass or glass doors?</p> <p>1 25% or less 2 26% - 50% 3 51% - 75% 4 76% - 100%</p>	
<p>Not including wall areas constructed with <u>decorative or construction glass</u>, which of the following ranges best describes the percentage of the building's exterior wall surface that is covered with window glass or glass doors?</p> <p>1 25% or less, 2 26 to 50%, 3 51 to 75%, 4 <u>Or</u> 76 to 100%?</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	If WLCNS=6: RENV Else: TYPEGLASS
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

TYPEGLASS	
ASK	If WLCNS ne 6
<p>Not counting <u>storm windows</u>, which of the following <u>best</u> describes the glass in most of the windows in the building?</p> <ul style="list-style-type: none"> 1 Single-pane glass 2 Double-pane glass 3 Triple-pane glass 	
<p>Not counting <u>storm windows</u>, is the glass in <u>most</u> of the windows in the building single-pane, double-pane, or triple-pane glass?</p> <ul style="list-style-type: none"> 1 SINGLE-PANE GLASS 2 DOUBLE-PANE GLASS 3 TRIPLE-PANE GLASS -4 DON'T KNOW -5 REFUSED 	
NEXT	RENV
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

RENV, RENV_NADKREF	
ASK	All respondents
<p>Excluding original construction, in what year was the last <u>major</u> renovation to the building (valued at \$10,000 per unit or more) completed?</p> <p>_____</p> <p>{ALLOW RANGE 1700 – 2021}</p> <p>-3 Not applicable – Building has not had major renovations -4 Don't know</p>	
<p>Excluding original construction, do you know in what year the last <u>major</u> renovation to the building, valued at \$10,000 per unit or more, was completed? If there have been no major renovations or you do not know the year of the last major renovation, please let me know.</p> <p>IF NECESSARY: AND, IN WHAT YEAR WAS THAT RENOVATION COMPLETED?</p> <p>_____</p> <p>{ALLOW RANGE 1700 – 2021}</p> <p>-3 NOT APPLICABLE – BUILDING HAS NOT HAD MAJOR RENOVATIONS -4 DON'T KNOW -5 REFUSED</p>	
NEXT	<p>If 1700 ≤ RENV ≤ 2021 or RENV=-4: RENTYPE1, RENTYPE2, RENTYPE3, RENTYPE4, RENTYPE5 Else: GREENBLD1, GREENBLD2, GREENBLD3</p>
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF OUT OF RANGE: Your response was outside the expected range of 1700 to 2021. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>SOFT PROMPT IF OUT OF RANGE: Your response was outside the expected range of 1700 to 2021. <BUTTONS: Change Answer / Continue></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'NOT APPLICABLE OR DON'T KNOW OR REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

RENTYPE1, RENTYPE2, RENTYPE3, RENTYP4, RENTYPE5, RENTYPE5_other																																		
ASK	If 1700 le RENV le 2021 or RENV=-4																																	
<p>DISPLAY IF 1700 le RENV le 2021: Which of the following renovations took place in [RENV]? <i>Please select “Yes” or “No” for each option.</i></p> <p>DISPLAY IF RENV=-4: Which of the following renovations took place when the last <u>major</u> renovation to the building (valued at \$10,000 per unit or more) was completed? <i>Please select “Yes” or “No” for each option.</i></p> <table border="0"> <thead> <tr> <th></th> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td>Cosmetic (Kitchen cabinets, flooring, countertops, painting, etc.) [RENTYPE1]</td> <td>1</td> <td>0</td> </tr> <tr> <td>Envelope (Doors, windows, roof, siding, insulation) [RENTYPE2]</td> <td>1</td> <td>0</td> </tr> <tr> <td>Mechanical, Electrical, Plumbing - <u>Central Plant (HVAC)</u> [RENTYPE3]</td> <td>1</td> <td>0</td> </tr> <tr> <td>Mechanical, Electrical, Plumbing - <u>Tenant Units</u> (Lighting, appliances, plumbing fixtures) [RENTYPE4]</td> <td>1</td> <td>0</td> </tr> <tr> <td>Other (specify below) [RENTYPE5, RENTYPE5_other]</td> <td>1</td> <td>0</td> </tr> </tbody> </table>						Yes	No	Cosmetic (Kitchen cabinets, flooring, countertops, painting, etc.) [RENTYPE1]	1	0	Envelope (Doors, windows, roof, siding, insulation) [RENTYPE2]	1	0	Mechanical, Electrical, Plumbing - <u>Central Plant (HVAC)</u> [RENTYPE3]	1	0	Mechanical, Electrical, Plumbing - <u>Tenant Units</u> (Lighting, appliances, plumbing fixtures) [RENTYPE4]	1	0	Other (specify below) [RENTYPE5, RENTYPE5_other]	1	0												
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NEXT	GREENBLD1, GREENBLD2, GREENBLD3																																	
WEB PROMPT	<p>SOFT PROMPT IF ALL MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF RENTYPE5=1 AND RENTYPE5_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>																																	

CATI PROMPT	<p>HARD PROMPT IF ANY ROW MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF RENTYPE5=1 AND RENTYPE5_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p>
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GREENBLD1, GREENBLD2, GREENBLD3, GREENBLD3_other				
ASK	All respondents			
Has the building been certified as a "green" building by any of the following? Please select “Yes” or “No” for each option.				
	Yes	No		
ENERGY STAR [GREENBLD1]	1	0		
LEED [GREENBLD2]	1	0		
Other (specify below) [GREENBLD3, GREENBLD3_other]	1	0		
Has the building been certified as a "green" building by any of the following? Please say “Yes” or “No” for each option.				
	YES	NO	DK	REF
Energy Star? [GREENBLD1]	1	0	-4	-5
LEED? [GREENBLD2]	1	0	-4	-5
Some other green certification? [GREENBLD3]	1	0	-4	-5
IF YES ASK: What green certification program is that? [GREENBLD3_other]				
NEXT	NUMAPTS			
WEB PROMPT	SOFT PROMPT IF ALL MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>			
	SOFT PROMPT IF GREENBLD3=1 AND GREENBLD3_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue>			
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>			
	HARD PROMPT IF GREENBLD3=1 AND GREENBLD3_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close>			

Residential Space

NUMAPTS, NUMAPTS_DKREF	
ASK	All respondents
<p>How many separate <u>residential units</u> are in the building?</p> <p>_____ separate residential units</p> <p>{ALLOW RANGE 1 – 9999}</p>	
<p>For this next section, we'll be asking you about the <u>residential units</u> in the building.</p> <p>How many separate <u>residential units</u> are in the building?</p> <p>_____ SEPARATE RESIDENTIAL UNITS</p> <p>{ALLOW RANGE 1 – 9999}</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	NUMSTUDIO, NUMONE, NUMTWO, NUMTHREE
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF OUT OF RANGE: Your response was outside the expected range of 1 to 9999. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>SOFT PROMPT IF OUT OF RANGE: Your response was outside the expected range of 1 to 9999. <BUTTONS: Change Answer / Continue></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

NUMSTUDIO, NUMSTUDIO_DKREF; NUMONE, NUMONE_DKREF, NUMTWO, NUMTWO_DKREF, NUMTHREE, NUMTHREE_DKREF	
ASK	All respondents
<p>How many residential units in the building are...</p> <p> Studios? _____ [NUMSTUDIO] 1 bedroom? _____ [NUMONE] 2 bedrooms? _____ [NUMTWO] 3 or more bedrooms? _____ [NUMTHREE] </p> <p>{ALLOW RANGE 0 – 9999}</p>	
<p>How many residential units in the building are studios? _____ [NUMSTUDIO]</p> <p>-4 DON'T KNOW -5 REFUSED</p> <p>[How many residential units in the building are] 1 bedroom? _____ [NUMONE]</p> <p>-4 DON'T KNOW -5 REFUSED</p> <p>[How many residential units in the building are] 2 bedrooms? _____ [NUMTWO]</p> <p>-4 DON'T KNOW -5 REFUSED</p> <p>[How many residential units in the building are] 3 or more bedrooms? _____ [NUMTHREE]</p> <p>-4 DON'T KNOW -5 REFUSED</p> <p>{ALLOW RANGE 0 – 9999 FOR ALL}</p>	
NEXT	RESTYPE
WEB PROMPT	SOFT PROMPT IF ANY MISSING: Did you mean to leave this question blank? Please enter "0" if this building does not have a specific type of unit. <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF ANY MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

RESTYPE	
ASK	All respondents
<p>Is the <u>majority</u> of the <u>residential space</u> in the building apartment rentals, condominiums, or part of a cooperative?</p> <p>1 Apartment rentals 2 Condominiums 3 Part of a cooperative</p>	
<p>What makes up the <u>majority</u> of the <u>residential space</u> in the building—is it apartment rentals, condominiums, or part of a cooperative?</p> <p>1 APARTMENT RENTALS 2 CONDOMINIUMS 3 PART OF A COOPERATIVE</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	If RESTYPE = 1: RENTOWNER Else RESOCC
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

RENTOWNER, RENTOWNER_other	
ASK	If RESTYPE= 1
<p>Which of the following <u>best</u> describes the owner of the building? <i>Select only one.</i></p> <ul style="list-style-type: none"> 1 Individual investor or owner 2 Real Estate Investment Trust (REIT) 3 Other public or private corporation, partnership, LLC, or LLP 4 Public housing authority 5 Nonprofit organization 99 Other (specify below) [RENTOWNER_other] 	
<p>Which of the following <u>best</u> describes the owner of the building? <i>Please select only one.</i></p> <ul style="list-style-type: none"> 1 An individual investor or owner, 2 A Real Estate Investment Trust, otherwise known as an REIT, 3 Some other public or private corporation, partnership, LLC, or LLP, 4 A public housing authority, 5 A nonprofit organization, 99 <u>Or</u> some other type of owner? IF OTHER ASK: What type of owner is that? [RENTOWNER_other] <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	RESOCC
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF RENTOWNER=99 AND RENTOWNER_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF RENTOWNER=99 AND RENTOWNER_other IS MISSING: Y THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p>

RESOCC, RESOCC_DKREF	
ASK	All respondents
<p>What percentage of the <u>residential units</u> in the building are currently occupied? Your best estimate is fine.</p> <p>_____ %</p> <p>{ALLOW RANGE 0 – 100}</p> <p>-4 Don't know</p>	
<p>What percentage of the <u>residential units</u> in the building are currently occupied? Your best estimate is fine.</p> <p>_____ %</p> <p>{ALLOW RANGE 0 – 100}</p> <p>-4 DON'T KNOW</p> <p>-5 REFUSED</p>	
NEXT	CRCLSPACE
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank?</p> <p><BUTTONS: Change Answer / Continue></p> <p>HARD PROMPT IF OUT OF RANGE: Your response was outside the expected range of 0 to 100. Please revise your response.</p> <p><BUTTON: Close></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK?</p> <p><BUTTON: Close></p> <p>HARD PROMPT IF OUT OF RANGE: Your response was outside the expected range of 0 to 100. Please revise your response.</p> <p><BUTTON: Close></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH.</p> <p><BUTTON: Close></p>

Commercial Space

CRCLSPACE	
ASK	All respondents
<p>Is <u>any</u> of the space in the building used for <u>commercial purposes</u>?</p> <p>1 Yes 0 No</p>	
<p>Now, let's talk about any <u>commercial spaces</u> in the building.</p> <p>Is <u>any</u> of the space in the building used for <u>commercial purposes</u>?</p> <p>1 YES 0 NO -4 DON'T KNOW -5 REFUSED</p>	
NEXT	IF CRCLSPACE=1: CRCLFLRSPC Else COMNAREAS1, COMNAREAS2, COMNAREAS3, COMNAREAS4, COMNAREAS5, COMNAREAS6, COMNAREAS7, COMNAREAS8, COMNAREAS9, COMNAREAS10, COMNAREAS11
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

CRCLFLRSPC, CRCLFLRSPC_DKREF	
ASK	If CRCLSPACE=1
<p>What percentage of the <u>total</u> square footage in the building is <u>commercial space</u>? Your best estimate is fine.</p> <p>_____ %</p> <p>{ALLOW RANGE 1 – 100}</p>	
<p>What percentage of the <u>total</u> square footage in the building is <u>commercial space</u>? Your best estimate is fine.</p> <p>_____ %</p> <p>{ALLOW RANGE 1 – 100}</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	<p>If CRCLFLRSPC gt 0: CRCLACT1, CRCLACT2, CRCLACT3, CRCLACT4, CRCLACT5, CRCLACT6, CRCLACT7</p> <p>Else COMNAREAS1, COMNAREAS2, COMNAREAS3, COMNAREAS4, COMNAREAS5, COMNAREAS6, COMNAREAS7, COMNAREAS8, COMNAREAS9, COMNAREAS10, COMNAREAS11</p>
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>HARD PROMPT IF OUT OF RANGE: Your response was outside the expected range of 1 to 100. Please revise your response. <BUTTON: Close></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF OUT OF RANGE: Your response was outside the expected range of 1 to 100. Please revise your response. <BUTTON: Close></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

CRCLACT1, CRCLACT2, CRCLACT3, CRCLACT4, CRCLACT5, CRCLACT6, CRCLACT7, CRCLACT7_other, CRCLACT_DKREF	
ASK	If CRCLFLRSPC gt 0
<p>For which of the following purposes is the <u>commercial</u> space in the building used? <i>Please select all that apply.</i></p> <p>Office/Professional [CRCLACT1: 1 if selected, 0 if not] Food sales or service [CRCLACT2: 1 if selected, 0 if not] Retail [CRCLACT3: 1 if selected, 0 if not] Education/childcare [CRCLACT4: 1 if selected, 0 if not] Health care [CRCLACT5: 1 if selected, 0 if not] Service (such as a salon, barber shop, laundromat, or dry cleaner) [CRCLACT6: 1 if selected, 0 if not] Other (specify below) [CRCLACT7: 1 if selected, 0 if not] [CRCLACT7_other]</p>	
<p>For which of the following purposes is the <u>commercial</u> space in the building used? <i>You may choose more than one answer.</i></p> <p>Office or professional, [CRCLACT1: 1 if selected, 0 if not] Food sales or service, [CRCLACT2: 1 if selected, 0 if not] Retail, [CRCLACT3: 1 if selected, 0 if not] Education or childcare, [CRCLACT4: 1 if selected, 0 if not] Health care, [CRCLACT5: 1 if selected, 0 if not] Service, such as a salon, barber shop, laundromat, or dry cleaner, [CRCLACT6: 1 if selected, 0 if not] <u>Or</u> some other purpose? [CRCLACT7: 1 if selected, 0 if not] IF OTHER ASK: For what other purposes is the commercial space used? [CRCLACT7_other]</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	COMNAREAS1, COMNAREAS2, COMNAREAS3, COMNAREAS4, COMNAREAS5, COMNAREAS6, COMNAREAS7, COMNAREAS8, COMNAREAS9, COMNAREAS10, COMNAREAS11
WEB PROMPT	<p>SOFT PROMPT IF ALL MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF CRCLACT7=1 AND CRCLACT7_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF CRCLACT7=1 AND CRCLACT7_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

Common Areas

COMNAREAS1, COMNAREAS2, COMNAREAS3, COMNAREAS4, COMNAREAS5, COMNAREAS6, COMNAREAS7, COMNAREAS8, COMNAREAS9, COMNAREAS10, COMNAREAS11 COMNAREAS11_other				
ASK	All respondents			
Does the building have any of the following <u>common areas or amenities</u> ? <i>Please select “Yes” or “No” for each option.</i>				
		Yes	No	
Gym or fitness center [COMNAREAS1]		1	0	
Indoor sports area [COMNAREAS2]		1	0	
Conference room or party room [COMNAREAS3]		1	0	
Lobby [COMNAREAS4]		1	0	
Leasing or management office [COMNAREAS5]		1	0	
Indoor parking [COMNAREAS6]		1	0	
Pool or hot tub [COMNAREAS7]		1	0	
Sauna or steam room [COMNAREAS8]		1	0	
Laundry room [COMNAREAS9]		1	0	
Community fireplace or fire pit [COMNAREAS10]		1	0	
Other (specify below) [COMNAREAS11, COMNAREAS11_other]		1	0	
On a different topic, now let’s talk about any <u>common areas</u> in the building.				
Does the building have any of the following <u>common areas or amenities</u> ? <i>Please say “Yes” or “No” for each option.</i>				
	YES	NO	DK	REF
Gym or fitness center? [COMNAREAS1]	1	0	-4	-5
Indoor sports area? [COMNAREAS2]	1	0	-4	-5
Conference room or party room? [COMNAREAS3]	1	0	-4	-5
Lobby? [COMNAREAS4]	1	0	-4	-5
Leasing or management office? [COMNAREAS5]	1	0	-4	-5
Indoor parking? [COMNAREAS6]	1	0	-4	-5
Pool or hot tub? [COMNAREAS7]	1	0	-4	-5
Sauna or steam room? [COMNAREAS8]	1	0	-4	-5
Laundry room? [COMNAREAS9]	1	0	-4	-5
Community fireplace or fire pit? [COMNAREAS10]	1	0	-4	-5
Some other common area? [COMNAREAS11]	1	0	-4	-5
IF YES ASK: What other types of common areas does the building have? [COMNAREAS11_other]				
NEXT	If any of COMNAREAS[1-11]=1: COMNFLRSPC Else: EVCHRG			
WEB PROMPT	SOFT PROMPT IF ALL MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue> SOFT PROMPT IF COMNAREAS11=1 AND COMNAREAS11_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox.			

	<BUTTONS: Change Answer / Continue>
CATI PROMPT	<p>HARD PROMPT IF ANY MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>SOFT PROMPT IF COMNAREAS11=1 AND COMNAREAS11_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTONS: Change Answer></p>

COMNFSPC, COMNFSPC_DKREF	
ASK	If any of COMNAREAS[1-11] = 1
<p>What percentage of the total square footage in the building is <u>common areas</u>? Your best estimate is fine.</p> <p>_____ %</p> <p>{ALLOW RANGE 1 – 100}</p>	
<p>What percentage of the total square footage in the building is <u>common areas</u>? Your best estimate is fine.</p> <p>_____ %</p> <p>{ALLOW RANGE 1 – 100}</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	<p>If COMNAREAS3=1: COMNKITCH If COMNAREAS6=1: PRKHEAT Else EVCHRG</p>
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>HARD PROMPT IF OUT OF RANGE: Your response was outside the expected range of 1 to 100. Please revise your response. <BUTTON: Close ></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF OUT OF RANGE: Your response was outside the expected range of 1 to 100. Please revise your response. <BUTTON: Close></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

COMNKITCH	
ASK	If COMNAREAS3=1
<p>Does the building have any conference rooms or party rooms that include a kitchen?</p> <p>1 Yes 0 No</p>	
<p>Does the building have any conference rooms or party rooms that include a kitchen?</p> <p>1 YES 0 NO</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	If COMNAREAS6=1: PRKHEAT Else EVCHRG
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

PRKHEAT	
ASK	If COMNAREAS6=1
<p>Are any of the building's indoor parking areas heated or cooled?</p> <p>1 Yes 0 No</p>	
<p>Are any of the building's indoor parking areas heated or cooled?</p> <p>1 YES 0 NO</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	PRKLGHT
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

PRKLGHT	
ASK	If COMNAREAS6=1
<p>Do any of the building's indoor parking areas have lighting?</p> <p>1 Yes 0 No</p>	
<p>Do any of the building's indoor parking areas have lighting?</p> <p>1 YES 0 NO</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	EVCHRG
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

EVCHRG	
ASK	All respondents
<p>Does the building have any electric vehicle charging stations? Please include charging stations both <u>inside</u> and <u>outside</u> of the building.</p> <p>1 Yes 0 No</p>	
<p>Does the building have any electric vehicle charging stations? Please include charging stations both <u>inside</u> and <u>outside</u> of the building.</p> <p>1 YES 0 NO</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	If COMNAREAS7=1: POOLLOC If COMNAREAS9=1: COMNWASHER Else: COMNLGHT
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

POOLLOC, POOLLOC_other	
ASK	If COMNAREAS7=1
<p>Where is the building's pool located? If there is more than one pool, please select the response that applies to the largest pool.</p> <p>1 On the building's roof 2 Other area outside of the building 3 Inside of the building 99 Someplace else (specify below) [POOLLOC_other]</p>	
<p>Where is the building's pool located? If there is more than one pool, please tell me about the largest pool. Is that pool...</p> <p>1 On the building's roof, 2 At some other area outside of the building, 3 Inside of the building, 99 <u>Or</u> someplace else? [POOLLOC_other] IF ELSEWHERE ASK: Where is the pool located? [POOLLOC_other]</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	POOLHEATYN
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF POOLLOC=99 AND POOLLOC_other IS MISSING: You selected Someplace else (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF POOLLOC=99 AND POOLLOC_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p>

POOLHEATYN	
ASK	If COMNAREAS7=1
<p>Is the building's pool heated? (If there is more than one pool, please select the response that applies to the largest pool.)</p> <p>1 Yes 0 No</p>	
<p>Is the building's pool heated?</p> <p>IF NECESSARY: IF THERE IS MORE THAN ONE POOL, PLEASE TELL ME ABOUT THE LARGEST POOL.</p> <p>1 YES 0 NO</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	If POOLHEATYN=1: POOLHEAT Else: POOLPUMP
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

POOLHEAT, POOLHEAT_other	
ASK	If POOLHEATYN=1
<p>What fuel is used to heat the water in the building's swimming pool? (If there is more than one pool, please select the response that applies to the largest pool.)</p> <p>1 Electricity 2 Natural gas 3 Propane 4 Fuel oil 99 Other (specify below) [POOLHEAT_other]</p> <p>-4 Don't know</p>	
<p>What fuel is used to heat the water in the building's swimming pool: electricity, natural gas, propane, fuel oil, something else or do you not know?</p> <p>IF NECESSARY: IF THERE IS MORE THAN ONE POOL, PLEASE TELL ME ABOUT THE LARGEST POOL.</p> <p>1 ELECTRICITY 2 NATURAL GAS 3 PROPANE 4 FUEL OIL 99 SOMETHING ELSE IF ELSE ASK: What type of fuel is used? [POOLHEAT_other]</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	POOLPUMP
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF POOLHEAT=99 AND POOLHEAT_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF POOLHEAT=99 AND POOLHEAT_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p>

POOLPUMP	
ASK	If COMNAREAS7=1
<p>Does the swimming pool have a <u>variable-speed</u> pump, which uses less energy by adjusting the motor speed? (If there is more than one pool, please select the response that applies to the largest pool.)</p> <p>1 Yes 0 No -4 Don't know</p>	
<p>A variable speed pump in swimming pools uses less energy by adjusting the motor speed. Does the swimming pool have a <u>variable-speed</u> pump, or do you not know?</p> <p>IF NECESSARY: IF THERE IS MORE THAN ONE POOL, PLEASE TELL ME ABOUT THE LARGEST POOL.</p> <p>1 YES 0 NO -4 DON'T KNOW -5 REFUSED</p>	
NEXT	If COMNAREAS 9=1: COMNWASHER Else: COMNLGHT
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

COMNWASHER, COMNWASHER_DKREF	
ASK	If COMNAREAS9=1
<p>In total, how many <u>washing machines</u> are in the <u>common area</u> laundry rooms?</p> <p>_____ washing machines</p> <p>{ALLOW RANGE 0 – 99}</p>	
<p>In total, how many <u>washing machines</u> are in the <u>common area</u> laundry rooms?</p> <p>_____ WASHING MACHINES</p> <p>{ALLOW RANGE 0 – 99}</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	COMNDRYER
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

COMNDRYER, COMNDRYER_DKREF	
ASK	If COMNAREAS9=1
<p>In total, how many <u>dryers</u> are in the <u>common area</u> laundry rooms?</p> <p>_____ dryers</p> <p>{ALLOW RANGE 0 – 99}</p>	
<p>In total, how many <u>dryers</u> are in the <u>common area</u> laundry rooms?</p> <p>_____ DRYERS</p> <p>{ALLOW RANGE 0 – 99}</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	If COMNDRYER ge 1 or COMNDRYER= -4: COMNDRYERFUEL Else: COMNLTGHT
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>
	HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close>

COMNDRYERFUEL	
ASK	If COMNDRYER ge 1 or COMNDRYER= -4
<p>What fuel do <u>most</u> of the <u>common area</u> dryers use?</p> <p>1 Electricity 2 Natural Gas 3 Propane</p>	
<p>What fuel do <u>most</u> of the <u>common area</u> dryers use: electricity, natural gas, or propane?</p> <p>1 ELECTRICITY 2 NATURAL GAS 3 PROPANE</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	COMNLGHT
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

COMNLGHT	
ASK	All respondents
<p>What proportion of the lighting in the building's <u>common areas</u> is turned on <u>24 hours</u> per day?</p> <p>1 All 2 Most 3 About half 4 Some 5 None</p>	
<p>What proportion of the lighting in the building's <u>common areas</u> is turned on <u>24 hours</u> per day: all, most, about half, some, or none?</p> <p>1 ALL 2 MOST 3 ABOUT HALF 4 SOME 5 NONE</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	COMNLGHTBLB
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

COMNLGHTBLB1, COMNLGHTBLB2, COMNLGHTBLB3, COMNLGHTBLB4, COMNLGHTBLB5																																		
ASK	All respondents																																	
<p>Are the following types of light bulbs used in the building's <u>common areas</u>? Please select "Yes" or "No" for each option.</p> <table border="0"> <thead> <tr> <th></th> <th>Yes</th> <th>No</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>LED, or light-emitting diode lights [COMNLGHTBLB1]</td> <td>1</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>CFL, or compact fluorescent bulbs [COMNLGHTBLB2]</td> <td>1</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>Fluorescent lighting [COMNLGHTBLB3]</td> <td>1</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>Incandescent or halogen bulbs [COMNLGHTBLB4]</td> <td>1</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>Other type of light bulbs [COMNLGHTBLB5]</td> <td>1</td> <td>0</td> <td></td> <td></td> </tr> </tbody> </table>						Yes	No			LED, or light-emitting diode lights [COMNLGHTBLB1]	1	0			CFL, or compact fluorescent bulbs [COMNLGHTBLB2]	1	0			Fluorescent lighting [COMNLGHTBLB3]	1	0			Incandescent or halogen bulbs [COMNLGHTBLB4]	1	0			Other type of light bulbs [COMNLGHTBLB5]	1	0		
	Yes	No																																
LED, or light-emitting diode lights [COMNLGHTBLB1]	1	0																																
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	YES	NO	DK	REF																														
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Some other type of light bulbs? [COMNLGHTBLB5]	1	0	-4	-5																														
NEXT	If COMNLGHTBLB1=1: COMNLED Else: INUNITLNDRY																																	
WEB PROMPT	SOFT PROMPT IF ALL MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>																																	
CATI PROMPT	HARD PROMPT IF ANY MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>																																	

COMNLED	
ASK	If COMNLGHTBLB1=1
<p>What proportion of the light bulbs used in the building's <u>common areas</u> are <u>LED</u> bulbs?</p> <p>1 All 2 Most 3 About half 4 Some 5 None</p>	
<p>What proportion of the light bulbs used in the building's <u>common areas</u> are <u>LED</u> bulbs: all, most, about half, some, or none?</p> <p>1 ALL 2 MOST 3 ABOUT HALF 4 SOME 5 NONE</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	INUNITLNDRY
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

INUNITLAUNDRY	
ASK	All respondents
<p>What proportion of the building's <u>residential units</u> have an <u>in-unit</u> clothes washer or clothes dryer? Your best estimate is fine.</p> <p>1 All 2 Most 3 About half 4 Some 5 None</p>	
<p>What proportion of the building's <u>residential units</u> have an <u>in-unit</u> clothes washer or clothes dryer: all, most, about half, some, or none? Your best estimate is fine.</p> <p>1 ALL 2 MOST 3 ABOUT HALF 4 SOME 5 NONE</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	HT1
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

Heating

HT1	
ASK	All respondents
Is the building <u>heated</u> during the winter? 1 Yes 0 No	
Now we're going to switch topics and discuss some of the energy sources and equipment found in the building. We're going to start with the heating equipment. Is the building <u>heated</u> during the winter? 1 YES 0 NO -4 DON'T KNOW -5 REFUSED	
NEXT	If HT1=1: HEATUNIT Else: COOL
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

HEATUNIT	
ASK	IF HT1 = 1
<p>Does each <u>residential unit</u> in the building have its <u>own</u> heating equipment?</p> <p>1 Yes 0 No</p>	
<p>Does each <u>residential unit</u> in the building have its <u>own</u> heating equipment?</p> <p>1 YES 0 NO</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	If HEATUNIT ne 1: FUELHEATBLDG1, FUELHEATBLDG2, FUELHEATBLDG3, FUELHEATBLDG4, FUELHEATBLDG5, FUELHEATBLDG6 Else: FUELHEATUNIT1, FUELHEATUNIT2, FUELHEATUNIT3, FUELHEATUNIT4, FUELHEATUNIT5, FUELHEATUNIT6
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

FUELHEATBLDG1, FUELHEATBLDG2, FUELHEATBLDG3, FUELHEATBLDG4, FUELHEATBLDG5, FUELHEATBLDG6, FUELHEATBLDG6_other, FUELHEATBLDG_DKREF	
ASK	If HEATUNIT ne 1
<p>Which of the following energy sources are used in the building for <u>heating</u>? <i>Please select all that apply.</i></p> <p>Electricity [FUELHEATBLDG1: 1 if selected, 0 if not] Natural gas [FUELHEATBLDG2: 1 if selected, 0 if not] Fuel oil [FUELHEATBLDG3: 1 if selected, 0 if not] Propane (bottled gas) [FUELHEATBLDG4: 1 if selected, 0 if not] District steam/hot water [FUELHEATBLDG5: 1 if selected, 0 if not] Other (specify below) [FUELHEATBLDG6: 1 if selected, 0 if not] [FUELHEATBLDG6_other]</p>	
<p>Which of the following energy sources are used in the building for <u>heating</u>? <i>You may choose more than one answer.</i></p> <p>Electricity, [FUELHEATBLDG1: 1 if selected, 0 if not] Natural gas, [FUELHEATBLDG2: 1 if selected, 0 if not] Fuel oil, [FUELHEATBLDG3: 1 if selected, 0 if not] Propane or bottled gas, [FUELHEATBLDG4: 1 if selected, 0 if not] District steam or hot water, [FUELHEATBLDG5: 1 if selected, 0 if not] <u>Or</u> some other energy source? [FUELHEATBLDG6: 1 if selected, 0 if not] IF OTHER ASK: What other energy source is used [for heating the building]? [FUELHEATBLDG6_other]</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	EQUIPBLDG
WEB PROMPT	<p>SOFT PROMPT IF ALL MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF FUELHEATBLDG6=1 AND FUELHEATBLDG6_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF FUELHEATBLDG6=1 AND FUELHEATBLDG6_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

EQUIPBLDG, EQUIPBLDG_other	
ASK	If HEATUNIT ne 1
<p>What is the <u>main</u> type of heating equipment used to provide heat for the building?</p> <ol style="list-style-type: none"> 1 Packaged central units (such as roof mounted units, or RTUs) 2 Boilers that produce steam or hot water for space heating 3 Heat pumps (other than components of a packaged unit) 4 Residential-type furnaces 5 Central air handlers 6 Fan coil units 7 Duct reheat 8 Radiators 9 Individual space heaters 99 Other heating equipment (specify below) [EQUIPBLDG_other] 	
<p>What is the <u>main</u> type of heating equipment used to provide heat for the building?</p> <ol style="list-style-type: none"> 1 Packaged central units, such as roof mounted units, or RTUs, 2 Boilers that produce steam or hot water for space heating, 3 Heat pumps, other than components of a packaged unit, 4 Residential-type furnaces, 5 Central air handlers, 6 Fan coil units, 7 Duct reheat, 8 Radiators, 9 Individual space heaters, 99 <u>Or</u> some other type of heating equipment? IF OTHER ASK: What other type of heating equipment is used [to provide heat to the building]? [EQUIPBLDG_other] <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	EQUIPAUX
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue> SOFT PROMPT IF EQUIPBLDG=99 AND EQUIPBLDG_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close> HARD PROMPT IF EQUIPBLDG=99 AND EQUIPBLDG_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close>

FUELHEATUNIT1, FUELHEATUNIT2, FUELHEATUNIT3, FUELHEATUNIT4, FUELHEATUNIT5, FUELHEATUNIT6, FUELHEATUNIT6_other, FUELHEATUNIT_DKREF	
ASK	If HEATUNIT=1
<p>Which of the following energy sources are used in the building's <u>residential units</u> for heating? <i>Please select all that apply.</i></p> <p>Electricity [FUELHEATUNIT1: 1 if selected, 0 if not] Natural gas [FUELHEATUNIT2: 1 if selected, 0 if not] Fuel oil [FUELHEATUNIT3: 1 if selected, 0 if not] Propane (bottled gas) [FUELHEATUNIT4: 1 if selected, 0 if not] Wood or pellets [FUELHEATUNIT5: 1 if selected, 0 if not] Other (specify below) [FUELHEATUNIT6: 1 if selected, 0 if not] [FUELHEATUNIT6_other]</p>	
<p>Which of the following energy sources are used in the building's <u>residential units</u> for heating? <i>You may choose more than one answer.</i></p> <p>Electricity, [FUELHEATUNIT1: 1 if selected, 0 if not] Natural gas, [FUELHEATUNIT2: 1 if selected, 0 if not] Fuel oil, [FUELHEATUNIT3: 1 if selected, 0 if not] Propane or bottled gas, [FUELHEATUNIT4: 1 if selected, 0 if not] Wood or pellets, [FUELHEATUNIT5: 1 if selected, 0 if not] <u>Or</u> some other energy source? [FUELHEATUNIT6: 1 if selected, 0 if not] IF OTHER ASK: What other energy source is used [in the building's residential units for heating]? [FUELHEATUNIT6_other]</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	EQUIPUNIT
WEB PROMPT	<p>SOFT PROMPT IF ALL MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF FUELHEATUNIT6=1 AND FUELHEATUNIT_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF FUELHEATUNIT6=1 AND FUELHEATUNIT_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

EQUIPUNIT, EQUIPUNIT_other	
ASK	If HEATUNIT=1
<p>What is the <u>main</u> type of heating equipment used to provide heat in the building's <u>residential units</u>?</p> <p>1 Furnace 2 Heat pump 3 Ductless heat pump, also known as a "mini-split" 4 Built-in electric units installed in walls, ceilings, baseboards, or floors 5 Built-in room heater burning gas or oil 6 Wood or pellet stove 7 Portable electric heaters 99 Other (specify below) [EQUIPUNIT_other]</p>	
<p>What is the <u>main</u> type of heating equipment used to provide heat in the building's <u>residential units</u>?</p> <p>1 Furnace, 2 Heat pump, 3 Ductless heat pump, also known as a 'mini-split', 4 Built-in electric units installed in walls, ceilings, baseboards, or floors, 5 Built-in room heater burning gas or oil, 6 Wood or pellet stove, 7 Portable electric heaters, 99 <u>Or</u> something else? IF ELSE ASK: What other type of heating equipment is used [to provide heat to the residential units]? [EQUIPUNIT_other]</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	<p>If any of COMNAREAS[1-11] = 1: FUELHEATCOMN1, FUELHEATCOMN2, FUELHEATCOMN3, FUELHEATCOMN4, FUELHEATCOMN5, FUELHEATCOMN6 Else if CRCLSPACE=1: FUELHEATCRCL1, FUELHEATCRCL2, FUELHEATCRCL3, FUELHEATCRCL4, FUELHEATCRCL5, FUELHEATCRCL6 Else: EQUIPAUX</p>
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF EQUIPUNIT=99 AND EQUIPUNIT_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF EQUIPUNIT=99 AND EQUIPUNIT_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p>

FUELHEATCOMN1, FUELHEATCOMN2, FUELHEATCOMN3, FUELHEATCOMN4, FUELHEATCOMN5, FUELHEATCOMN6, FUELHEATCOMN6_other, FUELHEATCOMN_DKREF	
ASK	HEATUNIT=1 and any of COMNAREAS[1-11] = 1
<p>Which of the following energy sources are used in the building's <u>common areas</u> for heating? <i>Please select all that apply.</i></p> <p>Electricity [FUELHEATCOMN1: 1 if selected, 0 if not] Natural gas [FUELHEATCOMN2: 1 if selected, 0 if not] Fuel oil [FUELHEATCOMN3: 1 if selected, 0 if not] Propane (bottled gas) [FUELHEATCOMN4: 1 if selected, 0 if not] Wood or pellets [FUELHEATCOMN5: 1 if selected, 0 if not] Other (specify below) [FUELHEATCOMN6: 1 if selected, 0 if not] [FUELHEATCOMN6_other]</p>	
<p>Which of the following energy sources are used in the building's <u>common areas</u> for heating? <i>You may choose more than one answer.</i></p> <p>Electricity, [FUELHEATCOMN1: 1 if selected, 0 if not] Natural gas, [FUELHEATCOMN2: 1 if selected, 0 if not] Fuel oil, [FUELHEATCOMN3: 1 if selected, 0 if not] Propane or bottled gas, [FUELHEATCOMN4: 1 if selected, 0 if not] Wood or pellets, [FUELHEATCOMN5: 1 if selected, 0 if not] <u>Or</u> some other energy source? [FUELHEATCOMN6: 1 if selected, 0 if not] IF OTHER ASK: What other energy source is used [in the building's common areas]? [FUELHEATCOMN6_other]</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	EQUIPCOMN
WEB PROMPT	<p>SOFT PROMPT IF ALL MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF FUELHEATCOMN6=1 AND FUELHEATCOMN6_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF FUELHEATCOMN6=1 AND FUELHEATCOMN6_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

EQUIPCOMN, EQUIPCOMN_other	
ASK	If HEATUNIT=1 and any of COMNAREAS[1-11] = 1
<p>What is the <u>main</u> type of heating equipment used to provide heat in the building's <u>common areas</u>?</p> <ul style="list-style-type: none"> 1 Furnace 2 Heat pump 3 Ductless heat pump, also known as a "mini-split" 4 Built-in electric units installed in walls, ceilings, baseboards, or floors 5 Built-in room heater burning gas or oil 6 Wood or pellet stove 7 Portable electric heaters 99 Other (specify below) [EQUIPCOMN_other] 	
<p>What is the <u>main</u> type of heating equipment used to provide heat for the building's <u>common areas</u>?</p> <ul style="list-style-type: none"> 1 Furnace, 2 Heat pump, 3 Ductless heat pump, also known as a "mini-split", 4 Built-in electric units installed in walls, ceilings, baseboards, or floors, 5 Built-in room heater burning gas or oil, 6 Wood or pellet stove, 7 Portable electric heaters, 99 <u>Or</u> something else? IF ELSE ASK: What other type of heating equipment is used [to provide heat to the common areas]? [EQUIPCOMN_other] <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	If CRCLSPACE=1: FUELHEATCRCL1, FUELHEATCRCL2, FUELHEATCRCL3, FUELHEATCRCL4, FUELHEATCRCL5, FUELHEATCRCL6 Else: EQUIPAUX
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue> SOFT PROMPT IF EQUIPCOMN=99 AND EQUIPCOMN_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close> HARD PROMPT IF EQUIPCOMN=99 AND EQUIPCOMN_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close>

FUELHEATCRCL1, FUELHEATCRCL2, FUELHEATCRCL3, FUELHEATCRCL4, FUELHEATCRCL5, FUELHEATCRCL6, FUELHEATCRCL6_other, FUELHEATCRCL_DKREF	
ASK	HEATUNIT=1 and CRCLSPACE=1
<p>Which of the following energy sources are used in the building's <u>commercial spaces</u> for heating? <i>Please select all that apply.</i></p> <p>Electricity [FUELHEATCRCL1: 1 if selected, 0 if not] Natural gas [FUELHEATCRCL2: 1 if selected, 0 if not] Fuel oil [FUELHEATCRCL3: 1 if selected, 0 if not] Propane (bottled gas) [FUELHEATCRCL4: 1 if selected, 0 if not] Wood or pellets [FUELHEATCRCL5: 1 if selected, 0 if not] Other (specify below) [FUELHEATCRCL6: 1 if selected, 0 if not] [FUELHEATCRCL6_other]</p>	
<p>Which of the following energy sources are used in the building's <u>commercial spaces</u> for heating? <i>You may choose more than one answer.</i></p> <p>Electricity, [FUELHEATCRCL1: 1 if selected, 0 if not] Natural gas, [FUELHEATCRCL2: 1 if selected, 0 if not] Fuel oil, [FUELHEATCRCL3: 1 if selected, 0 if not] Propane or bottled gas, [FUELHEATCRCL4: 1 if selected, 0 if not] Wood or pellets, [FUELHEATCRCL5: 1 if selected, 0 if not] <u>Or</u> some other energy source? [FUELHEATCRCL6: 1 if selected, 0 if not] IF OTHER ASK: What other energy source is used [in the building's commercial spaces]? [FUELHEATCRCL6_other]</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	EQUIPCRCL
WEB PROMPT	<p>SOFT PROMPT IF ALL MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF FUELHEATCRCL6=1 AND FUELHEATCRCL6_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF FUELHEATCRCL6=1 AND FUELHEATCRCL6_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

EQUIPCRCL, EQUIPCRCL_other	
ASK	If HEATUNIT=1 and CRCLSPACE=1
<p>What is the <u>main</u> type of heating equipment used to provide heat in the building's <u>commercial spaces</u>?</p> <ol style="list-style-type: none"> 1 Furnace 2 Heat pump 3 Ductless heat pump, also known as a "mini-split" 4 Built-in electric units installed in walls, ceilings, baseboards, or floors 5 Built-in room heater burning gas or oil 6 Wood or pellet stove 7 Portable electric heaters 99 Other (specify below) [EQUIPCRCL_other] 	
<p>What is the <u>main</u> type of heating equipment used to provide heat in the building's <u>commercial spaces</u>?</p> <ol style="list-style-type: none"> 1 Furnace, 2 Heat pump, 3 Ductless heat pump, also known as a "mini-split", 4 Built-in electric units installed in walls, ceilings, baseboards, or floors, 5 Built-in room heater burning gas or oil, 6 Wood or pellet stove, 7 Portable electric heaters, 99 <u>Or</u> something else? IF ELSE ASK: What other type of heating equipment is used [to provide heat to the commercial spaces]? [EQUIPCRCL_other] <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	EQUIPAUX
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF EQUIPCRCL=99 AND EQUIPCRCL_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF EQUIPCRCL=99 AND EQUIPCRCL_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p>

EQUIPAUX, EQUIPAUX_other	
ASK	If HT1=1
<p>Does the building have any <u>secondary</u> heating equipment, such as mini-split systems, space heaters, or fireplaces?</p> <p>1 Yes (specify below) [EQUIPAUX_other] 0 No</p>	
<p>Does the building have any <u>secondary</u> heating equipment, such as mini-split systems, space heaters, or fireplaces?</p> <p>1 YES IF YES ASK: What type of secondary heating equipment is that? [EQUIPAUX_other] 0 NO -4 DON'T KNOW -5 REFUSED</p>	
NEXT	COOL
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF EQUIPAUX=1 AND EQUIPAUX_other IS MISSING: You selected Yes (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF EQUIPAUX=1 AND EQUIPAUX_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p>

Cooling

COOL	
ASK	All respondents
<p>Is the building <u>air conditioned</u> in the summer?</p> <p>1 Yes 0 No</p>	
<p>Is the building <u>air conditioned</u> in the summer?</p> <p>1 YES 0 NO -4 DON'T KNOW -5 REFUSED</p>	
NEXT	If COOL=1: COOLUNIT If HT1=1: HEATCNTLYN Else: WATERHTR
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

COOLUNIT	
ASK	If COOL=1
<p>Does each <u>residential unit</u> in the building have its <u>own</u> air conditioning equipment?</p> <p>1 Yes 0 No</p>	
<p>Does each <u>residential unit</u> in the building have its <u>own</u> air conditioning equipment?</p> <p>1 YES 0 NO</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	If COOLUNIT ne 1: FUELCOOLBLDG1, FUELCOOLBLDG2, FUELCOOLBLDG3, FUELCOOLBLDG4 Else: COOLEQUIPUNIT
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

FUELCOOLBLDG1, FUELCOOLBLDG2, FUELCOOLBLDG3, FUELCOOLBLDG4, FUELCOOLBLDG4_other, FUELCOOLBLDG_DKREF	
ASK	If COOLUNIT ne 1
<p>Which of the following energy sources are used in the building for air conditioning? <i>Please select all that apply.</i></p> <p>Electricity [FUELCOOLBLDG1: 1 if selected, 0 if not] District chilled water [FUELCOOLBLDG2: 1 if selected, 0 if not] Natural gas [FUELCOOLBLDG3: 1 if selected, 0 if not] Other (specify below) [FUELCOOLBLDG4: 1 if selected, 0 if not] [FUELCOOLBLDG4_other]</p>	
<p>Which of the following energy sources are used in the building for air conditioning? <i>You may choose more than one answer.</i></p> <p>Electricity, [FUELCOOLBLDG1: 1 if selected, 0 if not] District chilled water, [FUELCOOLBLDG2: 1 if selected, 0 if not] Natural gas, [FUELCOOLBLDG3: 1 if selected, 0 if not] <u>Or</u> some other energy source? [FUELCOOLBLDG4: 1 if selected, 0 if not] IF OTHER ASK: What other energy source is used [in the building for air conditioning]? [FUELCOOLBLDG4_other]</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	COOLEQUIPBLDG
WEB PROMPT	<p>SOFT PROMPT IF ALL MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF FUELCOOLBLDG4=1 AND FUELCOOLBLDG4_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF FUELCOOLBLDG4=1 AND FUELCOOLBLDG4_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

COOLEQUIPBLDG, COOLEQUIPBLDG_other	
ASK	If COOLUNIT ne 1
<p>What is the <u>main</u> type of air conditioning equipment used in the building?</p> <ol style="list-style-type: none"> 1 Packaged air conditioning units (such as roof mounted units, or RTUs) 2 Central chillers that chill water for air conditioning 3 Heat pumps for air conditioning 4 Residential-type split system air conditioners 5 "Swamp" coolers or evaporative coolers 6 Central air handlers 7 Fan coil or induction unit 8 Chilled beam 9 Water loop heat pump 99 Other air conditioning equipment (specify below) [COOLEQUIPBLDG_other] 	
<p>What is the <u>main</u> type of air conditioning equipment used in the building?</p> <ol style="list-style-type: none"> 1 Packaged air conditioning units, such as roof mounted units, or RTUs, 2 Central chillers that chill water for air conditioning, 3 Heat pumps for air conditioning, 4 Residential-type split system air conditioners, 5 "Swamp" coolers or evaporative coolers, 6 Central air handlers, 7 Fan coil or induction units, 8 A chilled beam, 9 Water loop heat pumps, 99 <u>Or</u> something else? IF ELSE ASK: What other type of air conditioning equipment is used [in the building]? [COOLEQUIPBLDG_other] <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	COOLEQUIPAUX
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF COOLEQUIPBLDG=99 AND COOLEQUIPBLDG_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF COOLEQUIPBLDG=99 AND COOLEQUIPBLDG_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p>

COOLEQUIPUNIT, COOLEQUIPUNIT_other	
ASK	If COOLUNIT=1
<p>What is the <u>main</u> type of air conditioning equipment used in the building's <u>residential units</u>?</p> <ul style="list-style-type: none"> 1 Central air conditioner 2 Central heat pump 3 Ductless heat pump, also known as a "mini-split" 4 Window or wall air conditioner 5 Portable air conditioner 6 Evaporative cooler or swamp unit 99 Other air conditioning equipment (specify below) [COOLEQUIPUNIT_other] 	
<p>What is the <u>main</u> type of air conditioning equipment used in the building's <u>residential units</u>?</p> <ul style="list-style-type: none"> 1 Central air conditioners, 2 Central heat pumps, 3 Ductless heat pumps, also known as a "mini-split", 4 Window or wall air conditioners, 5 Portable air conditioners, 6 Evaporative coolers or swamp units, 99 <u>Or</u> something else? <p style="padding-left: 40px;">IF ELSE ASK: What other type of air conditioning equipment is used [in the building's residential units]? [COOLEQUIPUNIT_other]</p> <p>-4 DON'T KNOW</p> <p>-5 REFUSED</p>	
NEXT	If any of COMNAREAS[1-11] = 1: COOLEQUIPCOMN Else if CRCLSPACE=1: COOLEQUIPCRCL Else: COOLEQUIPAUX
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF COOLEQUIPUNIT=99 AND COOLEQUIPUNIT_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF COOLEQUIPUNIT=99 AND COOLEQUIPUNIT_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p>

COOLEQUIPCOMN, COOLEQUIPCOMN_other	
ASK	If COOLUNIT=1 and any of COMNAREAS[1-11] = 1
<p>What is the <u>main</u> type of air conditioning equipment used in the building's <u>common areas</u>?</p> <ol style="list-style-type: none"> 1 Central air conditioner 2 Central heat pump 3 Ductless heat pump, also known as a "mini-split" 4 Window or wall air conditioner 5 Portable air conditioner 6 Evaporative cooler or swamp unit 99 Other air conditioning equipment (specify below) [COOLEQUIPCOMN_other] 	
<p>What is the <u>main</u> type of air conditioning equipment used in the building's <u>common areas</u>?</p> <ol style="list-style-type: none"> 1 Central air conditioners, 2 Central heat pumps, 3 Ductless heat pumps, also known as a "mini-split", 4 Window or wall air conditioners, 5 Portable air conditioners, 6 Evaporative coolers or swamp units, 99 <u>Or</u> something else? IF ELSE ASK: What other type of air conditioning equipment is used [in the building's common areas]? [COOLEQUIPCOMN_other] <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	IF CRCLSPACE=1: COOLEQUIPCRCL Else: COOLEQUIPAUX
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue> SOFT PROMPT IF COOLEQUIPCOMN=99 AND COOLEQUIPCOMN_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close> HARD PROMPT IF COOLEQUIPCOMN=99 AND COOLEQUIPCOMN_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close>

COOLEQUIPCRCL, COOLEQUIPCRCL_other	
ASK	If COOLUNIT=1 and CRCLSPACE=1
<p>What is the <u>main</u> type of air conditioning equipment used in the building's <u>commercial spaces</u>?</p> <p>1 Central air conditioner 2 Central heat pump 3 Ductless heat pump, also known as a "mini-split" 4 Window or wall air conditioner 5 Portable air conditioner 6 Evaporative cooler or swamp unit 99 Other air conditioning equipment (specify below) [COOLEQUIPCRCL_other]</p>	
<p>What is the <u>main</u> type of air conditioning equipment used in the building's <u>commercial spaces</u>?</p> <p>1 Central air conditioners, 2 Central heat pumps, 3 Ductless heat pumps, also known as a "mini-split", 4 Window or wall air conditioners, 5 Portable air conditioners, 6 Evaporative coolers or swamp units, 99 <u>Or</u> something else? IF ELSE ASK: What other type of air conditioning equipment is used [in the building's commercial spaces]? [COOLEQUIPCRCL_other]</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	COOLEQUIPAUX
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF COOLEQUIPCRCL=99 AND COOLEQUIPCRCL_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF COOLEQUIPCRCL=99 AND COOLEQUIPCRCL_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p>

COOLEQUIPAUX, COOLEQUIPAUX_other	
ASK	If COOL = 1
<p>Does the building have any <u>secondary</u> air conditioning equipment, such as mini-split systems or window/wall air conditioners?</p> <p>1 Yes (specify below) [COOLEQUIPAUX_other] 0 No</p>	
<p>Does the building have any <u>secondary</u> air conditioning equipment, such as mini-split systems or window or wall air conditioners?</p> <p>1 YES IF YES ASK: What type of secondary air conditioning equipment is that? (open-ended) [COOLEQUIPAUX_other] 0 NO -4 DON'T KNOW -5 REFUSED</p>	
NEXT	If HT1=1: HEATCNTLYN Else if COOL=1: COOLCNTLYN Else: WATERHTR
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF COOLEQUIPAUX=1 AND COOLEQUIPAUX_other IS MISSING: You selected Yes (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF COOLEQUIPAUX=1 AND COOLEQUIPAUX_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p>

Temperature Control

HEATCNTLYN	
ASK	If HT1=1
<p>Can <u>most</u> residents control the temperature <u>within their residential unit</u> during the <u>winter</u>?</p> <p>1 Yes 0 No</p>	
<p>Can <u>most</u> residents control the temperature <u>within their residential unit</u> during the <u>winter</u>?</p> <p>1 YES 0 NO</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	If HEATCNTLYN=1: HEATCNTL Else if COOL=1: COOLCNTLYN Else: WATERHTR
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

HEATCNTL	
ASK	If HEATCNTLYN=1
<p>How do <u>most</u> residents control the temperature <u>within their residential unit</u> during the <u>winter</u>?</p> <ul style="list-style-type: none"> 1 A manual thermostat 2 A programmable thermostat 3 A "smart" or internet-connected thermostat 4 Turn equipment on or off as needed -4 Don't know 	
<p>How do <u>most</u> residents control the temperature <u>within their residential unit</u> during the <u>winter</u>?</p> <ul style="list-style-type: none"> 1 With a manual thermostat, 2 A programmable thermostat, 3 A "smart" or internet-connected thermostat, 4 Do they turn the equipment on or off as needed, -4 Or do you not know? -5 REFUSED 	
NEXT	If COOL=1: COOLCNTLYN Else: WATERHTR
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

COOLCNTLYN	
ASK	If COOL=1
<p>Can <u>most</u> residents control the temperature <u>within their residential unit</u> during the <u>summer</u>?</p> <p>1 Yes 0 No</p>	
<p>Can <u>most</u> residents control the temperature <u>within their residential unit</u> during the <u>summer</u>?</p> <p>1 YES 0 NO -4 DON'T KNOW -5 REFUSED</p>	
NEXT	If COOLCNTLYN=1: COOLCNTL Else: WATERHTR
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

COOLCNTL	
ASK	If COOLCNTLYN=1
<p>How do residents control the temperature <u>within their residential unit</u> during the <u>summer</u>?</p> <ul style="list-style-type: none"> 1 A manual thermostat 2 A programmable thermostat 3 A "smart" or internet-connected thermostat 4 Turn equipment on or off as needed -4 Don't Know 	
<p>How do residents control the temperature <u>within their residential unit</u> during the <u>summer</u>?</p> <ul style="list-style-type: none"> 1 With a manual thermostat, 2 A programmable thermostat, 3 A "smart" or internet-connected thermostat, 4 Do they turn equipment on or off as needed, -4 Or do you not know? -5 REFUSED 	
NEXT	WATERHTR
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

Water Heating

WATERHTR	
ASK	All respondents
<p>Does the building have <u>centralized</u> water heaters or does each residential unit have its <u>own</u> water heater?</p> <ul style="list-style-type: none"> 1 Centralized water heaters 2 Individual unit water heaters 3 Both centralized and individual unit water heaters 	
<p>Next, let's talk about water heating.</p> <p>Does the building have <u>centralized</u> water heaters or does each residential unit have its <u>own</u> water heater?</p> <ul style="list-style-type: none"> 1 CENTRALIZED WATER HEATERS 2 INDIVIDUAL UNIT WATER HEATERS 3 BOTH TYPES -4 DON'T KNOW -5 REFUSED 	
NEXT	FUELWATER1, FUELWATER2, FUELWATER3, FUELWATER4, FUELWATER5, FUELWATER6, FUELWATER7
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

FUELWATER1, FUELWATER2, FUELWATER3, FUELWATER4, FUELWATER5, FUELWATER6, FUELWATER7, FUELWATER7_other, FUELWATER_DKREF	
ASK	All respondents
<p>Which of the following energy sources are used in the building for <u>water heating</u>? <i>Please select all that apply.</i></p> <p>Electricity [FUELWATER1: 1 if selected, 0 if not] Natural gas [FUELWATER2: 1 if selected, 0 if not] Fuel oil [FUELWATER3: 1 if selected, 0 if not] Propane (bottled gas) [FUELWATER4: 1 if selected, 0 if not] District steam/hot water [FUELWATER5: 1 if selected, 0 if not] Solar thermal [FUELWATER6: 1 if selected, 0 if not] Other (specify below) [FUELWATER7: 1 if selected, 0 if not] [FUELWATER7_other]</p>	
<p>Which of the following energy sources are used in the building for <u>water heating</u>? <i>You may choose more than one answer.</i></p> <p>Electricity, [FUELWATER1: 1 if selected, 0 if not] Natural gas, [FUELWATER2: 1 if selected, 0 if not] Fuel oil, [FUELWATER3: 1 if selected, 0 if not] Propane or bottled gas, [FUELWATER4: 1 if selected, 0 if not] District steam or hot water, [FUELWATER5: 1 if selected, 0 if not] Solar thermal, [FUELWATER6: 1 if selected, 0 if not] <u>Or</u> some other energy source? [FUELWATER7: 1 if selected, 0 if not] IF OTHER ASK: What other energy source is used [in the building for water heating]? [FUELWATER7_other]</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	FUELCOOK1, FUELCOOK2, FUELCOOK3, FUELCOOK4
WEB PROMPT	<p>SOFT PROMPT IF ALL MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF FUELWATER7=1 AND FUELWATER7_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF FUELWATER7=1 AND FUELWATER7_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

Cooking

FUELCOOK1, FUELCOOK2, FUELCOOK3, FUELCOOK4, FUELCOOK4_other, FUELCOOK_DKREF	
ASK	All respondents
<p>Which of the following energy sources are used for cooking in the building's <u>residential units</u>? <i>Please select all that apply.</i></p> <p>Electricity [FUELCOOK1: 1 if selected, 0 if not] Natural gas [FUELCOOK2: 1 if selected, 0 if not] Propane (bottled gas) [FUELCOOK3: 1 if selected, 0 if not] Other (specify below) [FUELCOOK4: 1 if selected, 0 if not] [FUELCOOK4_other]</p>	
<p>Now, we're going to talk about what energy sources are used for cooking in the building. We'll start with cooking in the residential units.</p> <p>Which of the following energy sources are used for cooking in the building's <u>residential units</u>? <i>You may choose more than one answer.</i></p> <p>Electricity, [FUELCOOK1: 1 if selected, 0 if not] Natural gas, [FUELCOOK2: 1 if selected, 0 if not] Propane or bottled gas, [FUELCOOK3: 1 if selected, 0 if not] <u>Or</u> some other energy source? [FUELCOOK4: 1 if selected, 0 if not] IF OTHER ASK: What other energy source is used [for cooking in the residential units]? [FUELCOOK4_other]</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	If COMNKITCH=1: FUELCOOKCOMN1, FUELCOOKCOMN2, FUELCOOKCOMN3, FUELCOOKCOMN4, FUELCOOKCOMN5 Else if CRCLSPACE=1: FUELCOOKCRCL Else: GENR
WEB PROMPT	<p>SOFT PROMPT IF ALL MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF FUELCOOK4=1 AND FUELCOOK4_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF FUELCOOK4=1 AND FUELCOOK4_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

FUELCOOKCOMN1, FUELCOOKCOMN2, FUELCOOKCOMN3, FUELCOOKCOMN4, FUELCOOKCOMN5, FUELCOOKCOMN4_other, FUELCOOKCOMN_DKREF	
ASK	If COMNKITCH=1
<p>Which of the following energy sources are used in the building for cooking in the building's <u>common areas</u>? <i>Please select all that apply.</i></p> <p>Electricity [FUELCOOKCOMN1: 1 if selected, 0 if not] Natural gas [FUELCOOKCOMN2: 1 if selected, 0 if not] Propane (bottled gas) [FUELCOOKCOMN3: 1 if selected, 0 if not] Other (specify below) [FUELCOOKCOMN4: 1 if selected, 0 if not] [FUELCOOKCOMN4_other]</p> <p>Not applicable – no cooking occurs in common areas [FUELCOOKCOMN5: 1 if selected, 0 if not]</p>	
<p>Which of the following energy sources are used for cooking in the building's <u>common areas</u>? <i>You may choose more than one answer.</i></p> <p>Electricity, [FUELCOOKCOMN1: 1 if selected, 0 if not] Natural gas, [FUELCOOKCOMN2: 1 if selected, 0 if not] Propane or bottled gas, [FUELCOOKCOMN3: 1 if selected, 0 if not] Some other energy source, [FUELCOOKCOMN4: 1 if selected, 0 if not] IF OTHER ASK: What other energy source is used [for cooking in the common areas]? [FUELCOOKCOMN4_other] <u>Or</u> is this not applicable because no cooking occurs in common areas? [FUELCOOKCOMN5: 1 if selected, 0 if not]</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	If CRCLACT2 = 1: FUELCOOKCRCL1, FUELCOOKCRCL2, FUELCOOKCRCL3, FUELCOOKCRCL4, FUELCOOKCRCL5 Else: GENR1
WEB PROMPT	SOFT PROMPT IF ALL MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue> <p>SOFT PROMPT IF FUELCOMN4=1 AND FUELCOMN4_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close> <p>HARD PROMPT IF FUELCOMN4=1 AND FUELCOMN4_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

FUELCOOKCRCL1, FUELCOOKCRCL2, FUELCOOKCRCL3, FUELCOOKCRCL4, FUELCOOKCRCL5, FUELCOOKCRCL4_other, FUELCOOKCRCL_DKREF	
ASK	If CRCLACT2=1
<p>Which of the following energy sources are used for cooking in the building's <u>commercial spaces</u>? Please select all that apply.</p> <p>Electricity [FUELCOOKCRCL1: 1 if selected, 0 if not] Natural gas [FUELCOOKCRCL2: 1 if selected, 0 if not] Propane (bottled gas) [FUELCOOKCRCL3: 1 if selected, 0 if not] Other (specify below) [FUELCOOKCRCL4: 1 if selected, 0 if not] [FUELCOOKCRCL4_other]</p> <p>Not applicable – no cooking occurs in commercial spaces [FUELCOOKCRCL5: 1 if selected, 0 if not]</p>	
<p>Which of the following energy sources are used for cooking in the building's <u>commercial spaces</u>? You may choose more than one answer.</p> <p>Electricity, [FUELCOOKCRCL1: 1 if selected, 0 if not] Natural gas, [FUELCOOKCRCL2: 1 if selected, 0 if not] Propane or bottled gas, [FUELCOOKCRCL3: 1 if selected, 0 if not] Some other energy source, [FUELCOOKCRCL4: 1 if selected, 0 if not] IF OTHER ASK: What other energy source is used [for cooking in the commercial spaces]? [FUELCOOKCRCL4_other] Or is this not applicable because no cooking occurs in the commercial spaces? [FUELCOOKCRCL5: 1 if selected, 0 if not]</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	GENR1
WEB PROMPT	<p>SOFT PROMPT IF ALL MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF FUELCOOKCRCL4=1 AND FUELCOOKCRCL4_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF FUELCOOKCRCL4=1 AND FUELCOOKCRCL4_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

Other Energy Use

GENR1	
ASK	All respondents
<p>Does the building have the ability to generate electricity <u>on-site</u> from <u>solar panels</u>?</p> <p>1 Yes 0 No</p>	
<p>Does the building have the ability to generate electricity <u>on-site</u> from <u>solar panels</u>?</p> <p>1 YES 0 NO</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	GENR2
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

GENR2	
ASK	All respondents
<p>PROGRAMMER: DISPLAY ON THE SAME PAGE AS GENR1.</p> <p>Does the building have the ability to generate electricity <u>on-site</u> from some <u>other type of generation equipment</u>? Please <u>include</u> generation equipment even if it is used only for emergency backup purposes.</p> <p>1 Yes 0 No</p>	
<p>PROGRAMMER: DISPLAY ON THE SAME PAGE AS GENR1.</p> <p>Does the building have the ability to generate electricity <u>on-site</u> from some <u>other type of generation equipment</u>? Please <u>include</u> generation equipment even if it is used only for emergency backup purposes. [GENR2]</p> <p>1 YES 0 NO -4 DON'T KNOW -5 REFUSED</p>	
NEXT	OTHERFUELUSE
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

OTHERFUELUSE, OTHERFUELUSE_NONE	
ASK	All respondents
<p>Is there anything else you would like to tell us about the energy sources or equipment used in the building?</p> <p>_____ (open-ended)</p>	
<p>Is there anything else you would like to tell us about the energy sources or equipment used in the building?</p> <p>_____ (open-ended)</p> <p>1 NO COMMENTS [OTHERFUELUSE_NONE]</p>	
NEXT	RESMETER
WEB PROMPT	NONE
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF RESPONSE ENTERED AND NO COMMENTS IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'NO COMMENTS,' BUT NOT BOTH. <BUTTON: Close></p>

Metering And Billing

RESMETER	
ASK	All respondents
<p>Are the building's <u>residential units</u> individually metered for <u>electricity</u> (also known as direct metering)?</p> <p>1 Yes 0 No</p>	
<p>The last topic I would like to talk with you about today is how the energy in the building is metered and billed. We'll start with the residential units.</p> <p>Are the building's <u>residential units</u> individually metered for <u>electricity</u>, which is also known as direct metering?</p> <p>1 YES 0 NO</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	If FUELHEATUNIT2=1 or FUELWATER2=1 or FUELCOOK2=1: RESMETERNG Else ELPAY
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

RESMETERNG	
ASK	If FUELHEATUNIT2=1 or FUELWATER2=1 or FUELCOOK2=1
<p>Are the building's <u>residential units</u> individually metered for <u>natural gas</u> (also known as direct metering)?</p> <p>1 Yes 0 No</p>	
<p>Are the building's <u>residential units</u> individually metered for <u>natural gas</u>, which is also known as direct metering?</p> <p>1 YES 0 NO -4 DON'T KNOW -5 REFUSED</p>	
NEXT	ELPAY
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

ELPAY, ELPAY_other	
ASK	All respondents
<p>Who is responsible for paying for the <u>electricity</u> used in the building's <u>residential units</u>?</p> <p>1 Residents are <u>directly</u> responsible for paying for <u>all</u> electricity used in their units</p> <p>2 All electricity used in the residential units is <u>included in the rent, a condo fee, or a utility fee</u></p> <p>3 <u>Some</u> is paid by the residents and some is included in the rent, condo, or utility fee</p> <p>99 Other (specify below) [ELPAY_other]</p>	
<p>Who is responsible for paying for the <u>electricity</u> used in the building's <u>residential units</u>?</p> <p>1 Residents are <u>directly</u> responsible for paying for <u>all</u> electricity used in their units,</p> <p>2 All electricity used in the residential units is <u>included in the rent, a condo fee, or a utility fee</u>,</p> <p>3 <u>Some</u> is paid by the residents and some is included in the rent, condo, or utility fee,</p> <p>99 <u>Or</u> some other arrangement?</p> <p>IF OTHER ASK: Who is responsible for paying for the electricity used in the building's residential units? [ELPAY_other]</p> <p>-4 DON'T KNOW</p> <p>-5 REFUSED</p>	
NEXT	<p>If FUELHEATUNIT2=1 or FUELWATER2=1 or FUELCOOK2=1: NGPAY</p> <p>Else if any of COMNAREAS[1-11] = 1: COMNMETER</p> <p>Else if CRCLSPACE=1: CRCLMETER</p> <p>Else: RJOB</p>
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank?</p> <p><BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF ELPAY=99 AND ELPAY_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox.</p> <p><BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK?</p> <p><BUTTON: Close></p> <p>HARD PROMPT IF ELPAY=99 AND ELPAY_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE.</p> <p><BUTTON: Close></p>

NGPAY, NGPAY_other	
ASK	If FUELHEATUNIT2=1 or FUELWATER2=1 or FUELCOOK2=1
<p>Who is responsible for paying for the <u>natural gas</u> used in the building's <u>residential units</u>?</p> <p>1 Residents are <u>directly</u> responsible for paying for <u>all</u> natural gas used in their units</p> <p>2 All natural gas used in the residential units is <u>included</u> in <u>the rent, a condo fee, or a utility fee</u></p> <p>3 <u>Some</u> is paid by the residents and some is included in the rent, condo, or utility fee</p> <p>99 Other (specify below) [NGPAY_other]</p>	
<p>Who is responsible for paying for the <u>natural gas</u> used in the building's <u>residential units</u>?</p> <p>1 Residents are <u>directly</u> responsible for paying for <u>all</u> natural gas used in their units,</p> <p>2 All natural gas used in the residential units is <u>included</u> in <u>the rent, a condo fee, or a utility fee</u>,</p> <p>3 <u>Some</u> is paid by the residents and some is included in the rent, condo, or utility fee,</p> <p>99 <u>Or</u> some other arrangement?</p> <p>IF OTHER ASK: Who is responsible for paying for the natural gas used in the building's residential units? [NGPAY_other]</p> <p>-4 DON'T KNOW</p> <p>-5 REFUSED</p>	
NEXT	<p>If any of COMNAREAS[1-11] = 1: COMNMETER</p> <p>Else if CRCLSPACE=1: CRCLMETER</p> <p>Else: RJOB</p>
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank?</p> <p><BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF NGPAY=99 AND NGPAY_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox.</p> <p><BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK?</p> <p><BUTTON: Close></p> <p>HARD PROMPT IF NGPAY=99 AND NGPAY_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE.</p> <p><BUTTON: Close></p>

COMNMETER	
ASK	If any of COMNAREAS[1-11] = 1
<p>Are the building's <u>common areas</u> individually metered for <u>electricity</u> (also known as direct metering)?</p> <p>1 Yes 0 No</p>	
<p>Are the building's <u>common areas</u> individually metered for <u>electricity</u>, which is also known as direct metering?</p> <p>1 YES 0 NO -4 DON'T KNOW -5 REFUSED</p>	
NEXT	If FUELHEATCOMN2=1 or (any of COMNAREAS[1-11] = 1 and FUELWATER2=1) or FUELCOOKCOMN2=1: COMNMETERNG Else if CRCLSPACE=1: CRCLMETER Else: RJOB
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

COMNMETERNG	
ASK	If FUELHEATCOMN2=1 or (any of COMNAREAS[1-11] = 1 and FUELWATER2=1) or FUELCOOKCOMN2=1
<p>Are the building's <u>common areas</u> individually metered for <u>natural gas</u> (also known as direct metering)?</p> <p>1 Yes 0 No</p>	
<p>Are the building's <u>common areas</u> individually metered for <u>natural gas</u>, which is also known as direct metering?</p> <p>1 YES 0 NO -4 DON'T KNOW -5 REFUSED</p>	
NEXT	If CRCLSPACE=1: CRCLMETER Else: RJOB
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

CRCLMETER	
ASK	If CRCLSPACE=1: CRCLMETER
<p>Are the building's <u>commercial spaces</u> individually metered for <u>electricity</u> (also known as direct metering)?</p> <p>1 Yes 0 No</p>	
<p>Are the building's <u>commercial spaces</u> individually metered for <u>electricity</u>, which is also known as direct metering?</p> <p>1 YES 0 NO -4 DON'T KNOW -5 REFUSED</p>	
NEXT	If FUELHEATCRCL2=1 or (CRCLSPACE=1 and FUELWATER2=1) or FUELCOOKCRCL2=1: CRCLMETERNG Else ELPAYCRCL
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

CRCLMETERNG	
ASK	If FUELHEATCRCL2=1 or (CRCLSPACE=1 and FUELWATER2=1) or FUELCOOKCRCL2=1
<p>Are the building's <u>commercial spaces</u> individually metered for <u>natural gas</u> (also known as direct metering)?</p> <p>1 Yes 0 No</p>	
<p>Are the building's <u>commercial spaces</u> separately metered for <u>natural gas</u>, which is also known as direct metering?</p> <p>1 YES 0 NO</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	ELPAYCRCL
WEB PROMPT	SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue>
CATI PROMPT	HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close>

ELPAYCRCL, ELPAYCRCL_other	
ASK	If CRCLSPACE=1
<p>Who is responsible for paying for the <u>electricity</u> used in the building's <u>commercial spaces</u>?</p> <p>1 Commercial tenants are <u>directly</u> responsible for paying for <u>all</u> electricity used in their spaces</p> <p>2 All electricity used in the commercial spaces is <u>included</u> in <u>the rent or a utility fee</u></p> <p>3 <u>Some</u> is paid by the commercial tenants and some is included in the rent or utility fee</p> <p>99 Other (specify below) [ELPAYCRCL_other]</p>	
<p>Who is responsible for paying for the <u>electricity</u> used in the building's <u>commercial spaces</u>?</p> <p>1 Commercial tenants are <u>directly</u> responsible for paying for <u>all</u> electricity used in their spaces,</p> <p>2 All electricity used in the commercial spaces is <u>included</u> in <u>the rent or a utility fee</u>,</p> <p>3 <u>Some</u> is paid by the commercial tenants and some is included in the rent or utility fee,</p> <p>99 <u>Or</u> some other arrangement?</p> <p>IF OTHER ASK: Who is responsible for paying for the electricity used in the building's commercial spaces? [ELPAYCRCL_other]</p> <p>-4 DON'T KNOW</p> <p>-5 REFUSED</p>	
NEXT	If FUELHEATCRCL2=1 or (CRCLSPACE=1 and FUELWATER2=1) or FUELCOOKCRCL2=1: NGPAYCRCL Else: RJOB
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF ELPAYCRCL=99 AND ELPAYCRCL_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF ELPAYCRCL=99 AND ELPAYCRCL_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p>

NGPAYCRCL, NGPAYCRCL_other	
ASK	If FUELHEATCRCL2=1 or (CRCLSPACE=1 and FUELWATER2=1) or FUELCOOKCRCL2=1
<p>Who is responsible for paying for the <u>natural gas</u> used in the building's <u>commercial spaces</u>?</p> <p>1 Commercial tenants are <u>directly</u> responsible for paying for <u>all</u> natural gas used in their spaces</p> <p>2 All natural gas used in the commercial spaces is <u>included</u> in <u>the rent or a utility fee</u></p> <p>3 <u>Some</u> is paid by the commercial tenants and some is included in the rent or utility fee</p> <p>99 Other (specify below) [NGPAYCRCL_other]</p>	
<p>Who is responsible for paying for the <u>natural gas</u> used in the building's <u>commercial spaces</u>?</p> <p>1 Commercial tenants are <u>directly</u> responsible for paying for <u>all</u> natural gas used in their spaces,</p> <p>2 All natural gas used in the commercial spaces is <u>included</u> in <u>the rent or a utility fee</u>,</p> <p>3 <u>Some</u> is paid by the commercial tenants and some is included in the rent or utility fee,</p> <p>99 <u>Or</u> some other arrangement?</p> <p>IF OTHER ASK: Who is responsible for paying for the natural gas used in the building's commercial spaces? [NGPAYCRCL_other]</p> <p>-4 DON'T KNOW</p> <p>-5 REFUSED</p>	
NEXT	RJOB
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF NGPAYCRCL=99 AND NGPAYCRCL_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF NGPAYCRCL=99 AND NGPAYCRCL_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p>

Staff And Response Effort

RJOB, RJOB_other	
ASK	All respondents
<p>Which of the following <u>best</u> describes your job function or affiliation with the building?</p> <ul style="list-style-type: none"> 1 Operations, maintenance, or engineering 2 Property management 3 Energy or environmental management 4 Building owner 5 Accounting, finances, or payroll 6 Support staff 7 Building concierge or front desk staff 8 Building security 99 Other (specify below) [RJOB_other] 	
<p>We're almost done. I just have a few more questions.</p> <p>Which of the following <u>best</u> describes your job function or affiliation with the building? READ ANSWER LIST.</p> <ul style="list-style-type: none"> 1 Operations, maintenance, or engineering, 2 Property management, 3 Energy or environmental management, 4 Building owner, 5 Accounting, finances, or payroll, 6 Support staff, 7 Building concierge or front desk staff, 8 Building security, 99 <u>Or</u> something else? <p>IF ELSE ASK: What is your job function or affiliation with the building? [RJOB_other]</p> <ul style="list-style-type: none"> -4 DON'T KNOW -5 REFUSED 	
NEXT	REFFORT
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF RJOB=99 AND RJOB_other IS MISSING: You selected Other (specify below) as your answer. Please provide additional details in the textbox. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>HARD PROMPT IF RJOB=99 AND RJOB_other IS MISSING: THE SPECIFY TEXT BOX WAS LEFT BLANK. PLEASE RE-ASK THE QUESTION WITH THE TEXT BOX AND ENTER A RESPONSE. <BUTTON: Close></p>

REFFORT, REFFORT_DKREF	
ASK	All respondents
<p><u>Including yourself</u>, how many people were needed to compile information for this survey?</p> <p>_____ people</p> <p>{ALLOW RANGE 1 – 99}</p>	
<p><u>Including yourself</u>, how many people were needed to compile information for this interview?</p> <p>_____ people</p> <p>{ALLOW RANGE 1 – 99}</p> <p>-4 DON'T KNOW -5 REFUSED</p>	
NEXT	COMMENTS
WEB PROMPT	<p>SOFT PROMPT IF MISSING: Did you mean to leave this question blank? <BUTTONS: Change Answer / Continue></p> <p>SOFT PROMPT IF OUT OF RANGE: Your response was outside the expected range of 1 to 99. <BUTTONS: Change Answer / Continue></p>
CATI PROMPT	<p>HARD PROMPT IF MISSING: DID YOU MEAN TO LEAVE THIS QUESTION BLANK? <BUTTON: Close></p> <p>SOFT PROMPT IF OUT OF RANGE: Your response was outside the expected range of 1 to 99. <BUTTONS: Change Answer / Continue></p> <p>HARD PROMPT IF RESPONSE ENTERED AND DK OR REF IS SELECTED: PLEASE ENTER A VALUE OR SELECT 'DON'T KNOW' OR 'REFUSED,' BUT NOT BOTH. <BUTTON: Close></p>

COMMENTS, COMMENTS_NONE	
ASK	All respondents
<p>Thank you for helping us learn about energy use in multifamily buildings. We greatly appreciate your help!</p> <p>If you have any additional thoughts about any of the survey topics or the survey itself, please share them here:</p> <p>Open-ended response</p> <p>To complete the survey, please click “Finish” below.</p> <p>PROGRAMMER: INCLUDE “Back” AND “Finish” BUTTONS ON THIS PAGE.</p>	
<p>That was the end of the survey. Do you have any additional thoughts about any of the survey topics or the survey itself that you would like to share?</p> <p>Open-ended response</p> <p>1 NO COMMENTS [COMMENTS_NONE]</p> <p>PROGRAMMER: INCLUDE “Back” AND “Finish” BUTTONS ON THIS PAGE.</p>	
WEB PROMPT	NONE
CATI PROMPT	NONE
NEXT	END

END	
ASK	All respondents
<p>Thank you. If you have questions about this survey, please email us at [email address] or call toll-free at [phone number].</p> <p>PROGRAMMER: DO NOT INCLUDE NAVIGATION BUTTONS ON THIS PAGE.</p>	
<p>Thank you for helping us learn about energy use in multifamily buildings. We greatly appreciate your help! Goodbye.</p> <p>YOU MAY NOW CLOSE THIS WINDOW.</p> <p>PROGRAMMER: DO NOT INCLUDE NAVIGATION BUTTONS ON THIS PAGE.</p>	
NEXT	Terminate survey