

Web Screen Presentation Using Blaise 5

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Agenda



Commercial Buildings Energy Consumption Survey Challenges on the CBECS Approaches to Meeting those Challenges Look and Feel Survey-Specific Issues Next Steps

CBECS

- CBECS 2018 collects data on more than 8,000 commercial buildings in the United States
- Complex survey
 - Building size
 - Building use
 - Energy use: electricity, gas, oil, steam, water

CBECS Data Collection

- CBECS has been collecting data since 1979
- Blaise in use for CAPI and CATI since 1999
- 2018: respondents choose web or CAPI
- Expected 40% web, 60% CAPI
- Transition to web means moving to Blaise 5
- Also means re-thinking key elements of the survey design and presentation

Web Survey Challenges

The move to web data collection has meant two kinds of challenges:

- 1. Look and Feel
- 2. Survey-Specific Issues

Approach

EIA and Westat formed a "best practices" team to

- Identify issues presented by web data collection
- Review the literature
- Convene expert survey methodologists
- Prototype and test candidate solutions
- Review and recommend outcomes

Challenge:

Look and Feel

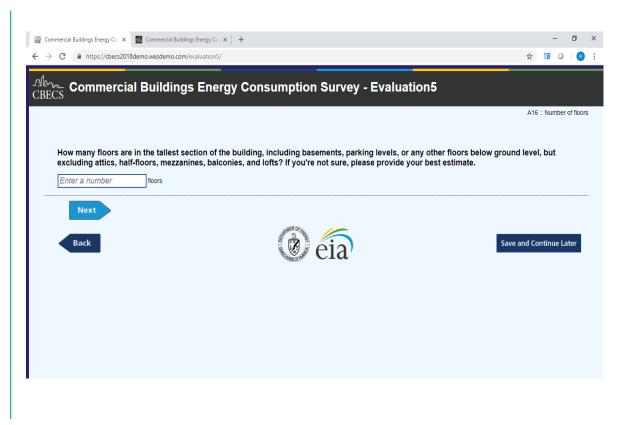
Categorical Question

band	ding?
E	Brick, stone, or stucco
O P	Pre-cast concrete panels
0	Concrete block or poured concrete (above grade)
	Numinum, asbestos, plastic, or wood materials (siding, shingles, tiles, or shakes)
s	Sheet metal panels
V	Vindow or vision glass (glass that <u>can</u> be seen through)
	Decorative or construction glass (glass that cannot be seen through)
0	Dther

Challenge:

Look and Feel

Continuous Question



Challenge:

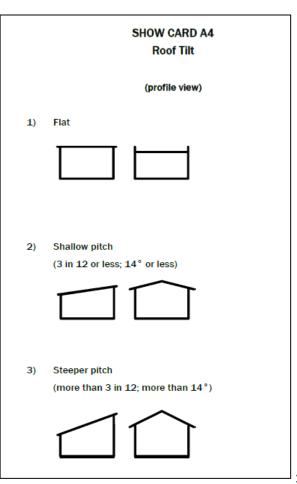
CBECS Design

Considerations moving from CAPI-only to multimode web and CAPI

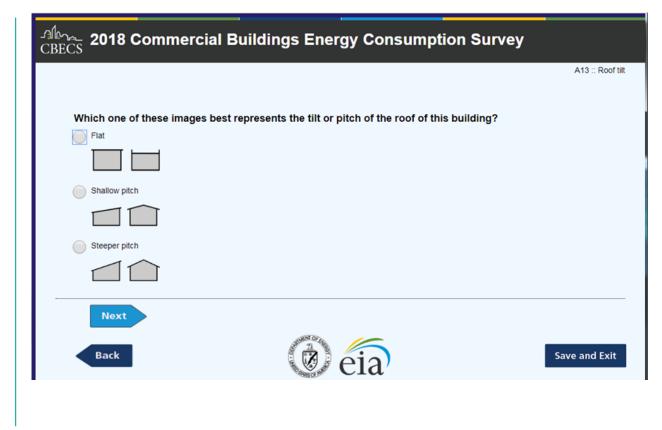
- Show Cards
- Question-specific help
- Optional text and Probing
- Item Nonresponse

Show Cards

- Previously hard copy
- Shorten
- Add to screen



Show Cards



Question-Specific Help

- In CAPI we used question-by-question help text
- CAPI interviewers pressed F1 for help
- Experimented with "tool tips" but did not work with mobile browsers

Question-Specific Help

CBECS Commercial Buildings Energy Consumption Survey - Evaluation5

B1 :: Primary activity

Which one of these activities accounts for the majority of the floorspace in this building?

If there are equal shares of floorspace for more than one activity, select any of those activities here.



Interviewer Instructions

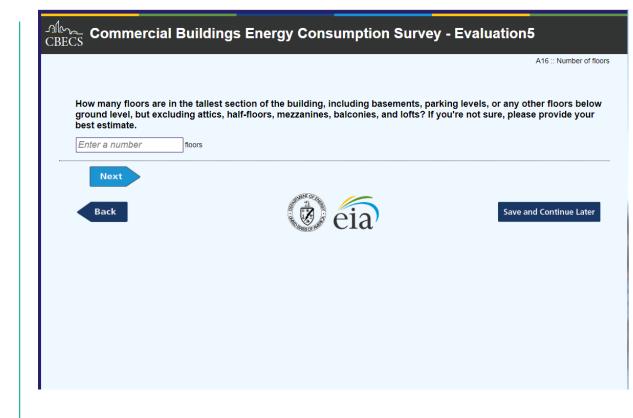
Probing

- Interviewer instructions eliminated
- Probes converted to question text

Interviewer Instructions

Probing

Probes are added to the question text



Item Non-Response

Accommodating DK and Ref was challenging

- Remove DK and Ref as responses
- Assume Empty = non-response
- New missing value: SK for "skipped"

Item Non-Response

Leaving the field EMPTY triggers a prompt

<u>ale</u>	2018 Commercial Buildings Energy Consumption Survey -	
CBECS	20181018Partial	

A10 :: Roof construction material

Which one of these categories best describes the building's predominant exterior roof surface?

Did you mean to leave this question blank? If not, please provide an answer and select the "Next" button. Otherwise, select "Next" to skip the question.

Built-up (tar, felts, or fiberglass and a ballast, such as stone)

- Slate or tile shingles
- Wood shingles, shakes, or other wooden materials
- Asphalt, fiberglass, or other shingles
- Metal surfacing
- Plastic, rubber, or synthetic sheeting (single or multi ply)
- Concrete
- Other

Next

Back



Save and Exit

Item Non-Response

Explicit Don't Know

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← → C https://cbecs2018demo.wesdemo.com/evaluation5/	☆ ☞ ◎ 8 :
CBECS Commercial Buildings Energy Consumption Survey - Evaluation5	
	A6 :: Square footage
What is the gross or total square footage of all the space in this building, both finished and unfinished, including basement stairways, elevator shafts, and indoor parking levels? Enter a number square feet Image: Square feet square feet	nts, hallways, lobbies,
Next	
Back	Save and Continue Later

Lessons Learned & Next Steps

- Managing Specifications
- Mobile
- Main study questionnaire



Thank You

For more information

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