

APPENDIX 7-A. RECS 2005 VARIABLES AND VALUES

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APPENDIX 7-A. RECS 2005 VARIABLES AND VALUES

7-A.1 INTRODUCTION

The U.S. Department of Energy (DOE) created a database containing a subset of the records and variables from DOE's Energy Information Administration (EIA)'s RECS 2005.¹ DOE used this RECS subset in the life-cycle cost (LCC) analysis of microwave and countertop combination ovens and over the range combination ovens. This appendix explains the variable name abbreviations and provides definitions of the variable values. For the entire RECS 2005 dataset, refer to <http://www.eia.doe.gov/emeu/recs/recspubuse05/pubuse05.html>.

7-A.2 SAMPLE DETERMINATION

The subset of RECS households used for microwaves and countertop combination ovens and over the range combination ovens met all of the following criteria:

- The household had a microwave.

The RECS 2005 variables used to match the selection criteria are listed in Table 7-A.2.1.

Table 7-A.2.1 Selection of RECS 2005 Records

Product Class	Selection Criterion	# of Records	# of US Households Represented (<i>million</i>)
All	MICRO = 1	3835	97.7

Table 7-A.2.2 RECS 2005 Variables

Variable	Description
Location Variables	
DIVISION	Census division
DIVISION + LRG STATE*	Combined large state (LRGSTATE) and census division (DIVISION)
Household Characteristics Variables	
AMTMICRO	Amount of food cooked in the microwave
DOEID	DOE 4-digit identification number
NUMMEAL	Hot meal preparation frequency
NWEIGHT	Final weight
YEARMADE	Residence build year

* Not part of RECS 2005 variables.

7-A.3 RECS 2005 DATABASE VARIABLE RESPONSE CODES

Table 7-A.3.1 provides the response codes for all RECS 2005 variables used in the household sample.

Table 7-A.3.1 RECS 2005 Variable Response Codes

Variable	Definition
AMTMICRO	Amount of food cooked in the microwave 1 = Most or all 2 = About half 3 = Some or very little 4 = Used only for snacks, defrosting, or reheating food
DIVISION	Census division 1 = New England 2 = Middle Atlantic 3 = East North Central 4 = West North Central 5 = South Atlantic 6 = East South Central 7 = West South Central 8 = Mountain 9 = Pacific
DIVISION + LRG STATE*	Combined large state (LRGSTATE) and census division (DIVISION) 1 = New England 2 = Middle Atlantic (not including New York) 3 = East North Central 4 = West North Central 5 = South Atlantic (not including Florida) 6 = East South Central 7 = West South Central (not including Texas) 8 = Mountain 9 = Pacific (not including California) 10 = New York 11 = California 13 = Texas 14 = Florida
DOEID	DOE 4-digit identification number
NHSLDMEM	Number that live in household
NUMMEAL	Hot meal preparation frequency 1 = Three or more times a day 2 = Two times a day 3 = Once a day 4 = A few times a week 5 = About once a week 6 = Less than once a week 0 = Doesn't cook/never cooks
NWEIGHT	Final weight

* Not part of RECS 2005 variables.

REFERENCES

1. U.S. Department of Energy - Energy Information Administration, *Residential Energy Consumption Survey: 2005 Public Use Data Files*, 2005.
<<http://www.eia.doe.gov/emeu/recs/recspubuse05/pubuse05.html>>