

PECHAN

Technical Memorandum No. 4: Results of MANE- VU Residential Wood Combustion Activity Survey

FINAL

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MANE-VU

TECHNICAL MEMORANDUM #4

Introduction

Population Research Systems, a subsidiary of Freeman, Sullivan & Co., launched the “MANE-VU Residential Wood Combustion Survey” in April 2003 using the final approved version of the instrument provided by the E.H. Pechan project manager. The interview contained both closed-ended and open-ended questions and asked respondents questions about their wood burning activities during the time period from May 2002 through April 2003. PRS agreed to provide 1,464 residential interviews. A copy of the final telephone interview is contained within Appendix A.

The time period of May 2002 – April 2003 was selected to achieve the best recall from the surveyed population and covers the 2002/2003 heating season. It is easier for respondents to recall information for an entire heating season than for a calendar year (e.g. the 2002 calendar year). After activity estimates have been developed from the survey data (e.g. cords/household-yr-HDD), the 2002 calendar year inventory will be developed using adjusted activity data based on heating degree days (HDD) for the 2002 calendar year (e.g. 2002 HDD/study period HDD).

A. Sample Purchase, Preparation, and Loading

E.H. Pechan & Associates, Inc. delineated census tracts within 11 states (Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Connecticut) and the District of Columbia. Pechan provided census tract information to PRS grouped by land use/cover (Urban, Suburban, Rural, and Rural Forested areas), latitude (Northern, Southern, and Middle), and dwelling type (single family home, single family attached home, and multi-dwelling of four or more units or a mobile home) so that PRS could purchase residential listed sample from Marketing Systems Group (MSG), a sampling vendor in Pennsylvania. Each piece of sample contained the census tract number, a residential name, street address, and zip code, and home telephone number.

11,437 records of sample were prepared and loaded into the PRS CATI system in order to complete the telephone interviews. Each record was “flagged” to identify the type of land use/cover area, latitude, and dwelling type so that a tally by quota cell could be made at the conclusion of the study.

B. Quota Cells

A total of 24 quota cells (see Table I on the following page) were established based on the stratification plan outlined in Section A above.

Table I. Sample Frame								
Latitude	Urban		Suburban		Rural-Forested		Rural-Non-Forested	
	Single-Family	Other	Other	Single-Family	Single-Family	Other	Single-Family	Other
Northern	61	61	61	61	61	61	61	61
Middle	61	61	61	61	61	61	61	61
Southern	61	61	61	61	61	61	61	61

C. Staff Training

PRS trained 20 CATI interviewers and three CATI laboratory supervisory staff for the “MANE-VU Residential Wood Combustion Survey” study. Pechan and PRS conducted the two-hour training session together. The purpose of the training was to familiarize PRS interviewing and supervisory staff with the project, the research goals, project procedures, and content of the telephone interview. Pechan provided background information concerning the project and the types of wood burning equipment being studied. PRS interviewers were provided both a copy of the telephone interview (see Appendix A) and the project Frequently Asked Questions (FAQs).

The training included a question-by-question review of the instrument. Interviewers then role-played to become familiar with the instrument. During the role-play, each interviewer was observed by a supervisor and approved for interviewing only after the supervisor was confident that the questionnaire and study protocol had been mastered.

D. Interviewing Period

The study was conducted from April 5, 2003 through May 20, 2003 by PRS interviewing staff. Interviews were conducted weekdays between the hours of 3:00 p.m. and 9:00 p.m., on Saturdays between 12:00 p.m. and 6:00 p.m., and on Sundays between 12:00 p.m. and 6:00 p.m. Eastern Standard Time (EST). A total of six call attempts were made to each residential household. A single refusal conversion was used to convince an eligible respondent to participate in the study.

E. Telephone Contact Outcomes

Of the 11,437 records of sample dialed (residential telephone numbers), there were 1,905 completed interviews. The outcome of each piece of sample is noted below in Table II. On average, the interviews took 4.31 minutes to administer due to the high number of respondents who did not have wood burning equipment.

<u>Table II Sample Outcome Summary</u>	
<u>Telephone Contact Outcome</u>	<u>Records Dialed</u>
Completed interview	1,905
Refusal-eligible respondent	145
Refusal-respondent eligibility unknown*	372
Knowledgeable household member never available	157
Adult not present in household	339
Terminated within screener, not eligible	2,278
Respondent ill, not able to be interviewed	124
Answering machine, no answer, busy	2,535
Fax line	157
Non-working number	1,857
Quota full**	1,401
Language barrier	167
TOTAL SAMPLE	11,437

*Interviewer had insufficient information to determine whether these potential respondents were eligible to participate in the study.

**24 quota cells were established for the study.

F. Response and Refusal Rates

For purposes of this study, two American Association for Public Opinion Research (AAPOR) rates have been calculated, the response rate and the refusal rate. The response rate is defined as the number of completed interviews divided by the number of sample points known to be eligible

together with the number of sample points with unknown eligibility¹. The response rate for the sample was 41.4%.

The refusal rate is defined as the number of refusals divided by the number of interviews, number of non-respondents, and the number of cases of unknown eligibility². There were a total of 145 refusals for a refusal rate of 3.6%.

G. Data Analysis

Preliminary frequencies (counts and percentages), which were run for all studied variables, are contained within Appendix B. Open-ended question content concerning the amount of wood burned will be coded by the E.H. Pechan project manager in collaboration with the PRS project manager and will be integrated into the final data set and frequencies to be presented to MANE-VU in Technical Memorandum #5.

H. Study Results

A total of 1,905 interviews were completed. Four hundred fourteen households (21.7%) burned wood from May 2002 through April 2003; 198 households (10.4%) had wood burning equipment, but did not burn any wood during the designated time interval; and 1,293 households (67.9%) did not burn any wood during the time interval and did not have any wood burning equipment at their residence. See Table III on the following page.

¹ Response Rate 3 (RR3) is calculated with the following equation, $RR3 = I / ((I + P) + (R + NC + O) + e((UH + UO)))$ with I = Complete interview, P = Partial interview, R = Refusal and break-off, NC = Non-contact, O = Other, UH = Unknown if household/occupied, UO = Unknown, other, e=estimated proportion of eligible households among all telephone numbers for which a definitive determination of status was obtained.

² Refusal Rate 3 (REF3) is calculated with the following equation, $REF3 = R / ((I + P) + (R + NC + O))$ with I = Complete interview, P = Partial interview, R = Refusal and break-off, NC = Non-contact, O = Other, UH = Unknown if household/occupied, UO = Unknown, other.

<u>Table III Summary of Wood Burners</u>		
<u>Type of completed interview</u>	<u>n</u>	<u>%</u>
Burns wood	414	21.7%
Has wood burning equipment, did not burn wood	198	10.4%
No equipment, does not burn wood	1,293	67.9%
Total	1,905	100.0%

The degree to which the 24 quota cells were filled is presented in Table IV below.

<u>Table IV Surveys Completed Per Quota Cell</u>			
<u>Quota cell #</u>	<u>Quota Cell Description</u>	<u>n</u>	<u>%</u>
1	Rural forested, HDD* high**, single dwellings	163	8.6%
2	Rural forested, HDD, high, multi-dwellings	61	3.2%
3	Rural non-forested, HDD, high, single dwellings	92	4.8%
4	Rural non-forested, HDD, high, multi-dwellings	67	3.5%
5	Suburban, HDD, High, single dwellings	63	3.3%
6	Suburban, HDD, high, multi-dwellings	74	3.9%
7	Urban, HDD, high, single dwellings	71	3.7%
8	Urban, HDD, high, multi-dwellings	66	3.5%
9	Rural forested, HDD, low, single dwellings	150	7.9%
10	Rural forested, HDD, low, multi-dwellings	65	3.4%
11	Rural non-forested, HDD, low, single dwellings	119	6.2%
12	Rural non-forested, HDD, low, multi-dwellings	70	3.7%
13	Suburban, HDD, low, single dwellings	75	3.9%
14	Suburban, HDD, low, multi-dwellings	63	3.3%
15	Urban, HDD, low, single swellings	76	4.0%
16	Urban, HDD, low, multi-dwellings	66	3.5%
17	Rural forested, HDD, medium, single dwellings	87	4.6%
18	Rural forested, HDD, medium, multi-dwellings	61	3.2%
19	Rural non-forested, HDD, medium, single dwellings	92	4.8%
20	Rural non-forested, HDD, medium, multi-dwellings	64	3.4%
21	Suburban, HDD, medium single dwellings	70	3.7%
22	Suburban, HDD, medium, multi-dwellings	61	3.2%
23	Urban, HDD, medium, single dwellings	63	3.3%
24	Urban, HDD, medium, multi-dwellings	66	3.5%
TOTAL		1,905	100.1%

*HDD indicates the annual heating degree days for each census tract. These values (at 500 HDD increments) are used to place each census tract in the appropriate geographic stratum of the sample frame.

**High (northern tier) – greater than or equal to 7000; Medium (middle tier) – 5500, 6000, and 6500; and Low (southern tier) - less than or equal to 5000.

Appendix A

Telephone Interview

RESIDENTIAL WOOD COMBUSTION QUESTIONNAIRE

PRS PROJECT #950

I. INTRODUCTION

INTRO1. Hello. My name is _____ and I'm calling on behalf of the New York State Department of Environmental Conservation. May I speak with _____?

- | | |
|-----------------------------|-----------------------|
| 1. Yes, speaking | (Go to INTRO2) |
| 2. Yes, coming to the phone | (Go to INTRO3) |
| 3. Yes, not home now | (Skip to CALLBACK1) |
| 4. No | (Terminate interview) |
| 8. DON'T KNOW | (Terminate interview) |
| 9. REFUSED | (Terminate interview) |

INTRO2. We are calling to ask you some questions about your use of wood for heating or other purposes. Your household was randomly selected for this study. The interview will take about 10 minutes and your responses will be kept confidential (Go to INTRO4).

<If respondent says that they don't burn wood, say: "I still have a few questions that I'd like to ask you">.

- | | |
|-----------------------------|----------------|
| 1. Proceed to next question | (Go to INTRO4) |
| 2. Doesn't burn wood | (Go to Q1a) |

INTRO3. Hello. My name is _____ and I'm calling on behalf of the New York State Department of Environmental Conservation. I'm calling to ask you some questions about your use of wood for heating or other purposes. Your household was randomly selected for this study. The interview will take about 10 minutes and your responses will be kept confidential (Go to INTRO4).

<If respondent says that they don't burn wood, say: "I still have a few questions that I'd like to ask you">.

- | | |
|-----------------------------|----------------|
| 1. Proceed to next question | (Go to INTRO4) |
| 2. Doesn't burn wood | (Go to Q1a) |

CALLBACK1. What would be a good time to call back? (End call)

INTRO4. Before we begin, I need to be sure that you qualify for the study (Go to Q1a).

Q1a. In what state do you live? _____

88. DON'T KNOW (Terminate interview)

99. REFUSED (Terminate interview)

ELIGIBLE STATES

Delaware (1)

The District of Columbia (2)

Maine (3)

Maryland (4)

Massachusetts (5)

New Hampshire (6)

New Jersey (7)

New York (8)

Pennsylvania (9)

Rhode Island (10)

Vermont (11)

Connecticut (12)

DON'T KNOW (88)

REFUSED (99)

Q1b. In what county do you live? _____

8. DON'T KNOW (Terminate interview)

9. REFUSED (Terminate interview)

Q1c. What is your zip code? _____

8. DON'T KNOW (Terminate interview)

9. REFUSED (Terminate interview)

Q1d. Are you age 18 or above?

1. Yes (Go to Q1e)

2. No, under 18 (Go to Q2a)

8. DON'T KNOW (Terminate interview)

9. REFUSED (Terminate interview)

Q1e. Are you the household member who is most familiar with wood burning at your residence?

1. Yes (Go to Q5)

2. Yes, but we don't burn wood (Go to INTRO5)

2. No (Skip to CALLBACK2)

8. DON'T KNOW (Skip to CALLBACK2)

9. REFUSED (Terminate interview)

INTRO5. We still have a few questions that we'd like to ask you if that would be alright (Go to Q5).

CALLBACK 2. Who should I ask for when I call? When would be a good time to call back? (End call).

Q2a. We need to speak with someone who is 18 years of age or older. Is there someone else within your home aged 18 or above who I could speak with?

- | | |
|-----------------------------|-----------------------|
| 1. Yes, coming to the phone | (Go to INTRO6) |
| 2. Yes, not home now | (Schedule CALLBACK2) |
| 3. No | (Terminate interview) |
| 8. DON'T KNOW | (Terminate interview) |
| 9. REFUSED | (Terminate interview) |

INTRO6. Hello. My name is _____ and I'm calling on behalf of the New York State Department of Environmental Conservation. I'm calling to ask you some questions about your use of wood for heating or other purposes. Your household was randomly selected for this study. The interview will take about 10 minutes and your responses will be kept confidential (Go to Q3).

- | | |
|-----------------------------|------------------|
| 1. Proceed to next question | |
| 2. Doesn't burn wood | (Skip to INTRO5) |

Q3. Just to verify before we begin. Are you age 18 or above?

- | | |
|----------------------|-----------------------|
| 1. Yes | (Go to Q4) |
| 2. No, under 18 | (Go to INTRO7) |
| 8. DON'T KNOW | (Terminate interview) |
| 9. REFUSED | (Terminate interview) |

Q4. Are you the household member who is most familiar with wood burning at your residence?

- | | |
|--------------------------------|-----------------------|
| 1. Yes | (Go to Q5) |
| 2. Yes, but we don't burn wood | (Go to INTRO8) |
| 3. No | (Go to CALLBACK2) |
| 8. DON'T KNOW | (Go to CALLBACK2) |
| 9. REFUSED | (Terminate interview) |

INTRO7. Thank you for being willing to participate in the interview. Unfortunately because you are under the age of 18, you are not eligible to participate in the study (Terminate call).

INTRO8. We still have a few questions that we'd like to ask you if that would be alright (Go to Q5).

Q5. What type of house do you live in? Is it:

1. A single family detached house in which no walls are shared with another dwelling
2. A single family attached house such as a duplex or triplex townhouse <or>
3. Other such as a multi-family dwelling of 4 or more units or a mobile home
- 8. DON'T KNOW** (Terminate interview)
- 9. REFUSED** (Terminate interview)

II. EQUIPMENT TYPES

Q6a1. Do you have a wood burning fireplace or a masonry heater at your residence? <If needed: a masonry heater stores heat from a fire and radiates warmth as the heat is slowly released>

- | | |
|----------------------|---------------|
| 1. Yes | (Go to Q6a1b) |
| 2. No | (Go to Q6a2) |
| 8. DON'T KNOW | (Go to Q6a2) |
| 9. REFUSED | (Go to Q6a2) |

Q6a1b. How many wood burning fireplaces or masonry heaters do you have? _____

- 88. DON'T KNOW**
99. REFUSED

Q6a2. Do you have a woodstove or fireplace insert? A fireplace insert is placed in the cavity of a fireplace and has doors. It typically has a blower or fan to circulate the heat.

- | | |
|----------------------|---------------|
| 1. Yes | (Go to Q6a2b) |
| 2. No | (Go to Q6a3) |
| 8. DON'T KNOW | (Go to Q6a3) |
| 9. REFUSED | (Go to Q6a3) |

Q6a2b. How many wood stoves or fireplace inserts do you have? _____

- 88. DON'T KNOW**
99. REFUSED

Q6a3. Do you have a pellet stove?

- | | |
|----------------------|---------------|
| 1. Yes | (Go to Q6a3b) |
| 2. No | (Go to Q6a4) |
| 8. DON'T KNOW | (Go to Q6a4) |
| 9. REFUSED | (Go to Q6a4) |

Q6a3b. How many pellet stoves do you have? _____

88. DON'T KNOW

99. REFUSED

Q6a4. Do you have a wood-fired furnace or boiler?

<INTERVIEWER: Note that these devices can be either indoor or outdoor>

1. Yes (Go to Q6a4b)

2. No (Go to Q6a5)

8. DON'T KNOW (Go to Q6a5)

9. REFUSED (Go to Q6a5)

Q6a4b. How many wood-fired furnaces or heaters do you have? _____

88. DON'T KNOW

99. REFUSED

Q6a5. Do you have any other indoor wood burning appliances that we haven't talked about yet?

1. Yes (Go to Q6a5b)

2. No (Go to Q6a6)

8. DON'T KNOW (Go to Q6a6)

9. REFUSED (Go to Q6a6)

Q6a5b. How many other indoor wood burning appliances do you have? _____

88. DON'T KNOW

99. REFUSED

Q6a5b1. What type of indoor wood burning appliances do you have?

(8) DON'T KNOW

(9) REFUSED

Q6a2x. <If respondent mentions wood-fired stove in response to Q6a5b1, indicate that Q6a2 Eq 1 and then ask Q6a2b and then skip to Q6a6>

1. Yes

2. No (Go to Q6a6)

8. DON'T KNOW (Go to Q6a6)

9. REFUSED (Go to Q6a6)

Q6a2bx. How many wood stoves or fireplace inserts do you have? _____

88. DON'T KNOW

99. REFUSED

Q6a6. Do you have any outdoor wood burning equipment such as a fire pit, wood burning barbeque, outdoor fireplace, or chiminea?

1. Yes (Go to Q6a6b)

2. No

8. DON'T KNOW

9. REFUSED

<If Q6a6 Eq 2 and Q6a1 Eq 1, go to Q8>

<If Q6a6 Eq 8 and Q6a1 Eq 1, go to Q8>

<If Q6a6 Eq 9 and Q6a1 Eq 1, go to Q8>

<If Q6a6 Eq 2 and Q6a2x Eq 1, skip to Q15>

<If Q6a6 Eq 8 and Q6a2x Eq 1, skip to Q15>

< If Q6a6 Eq 9 and Q6a2x Eq 1, skip to Q15>

<If Q6a6 Eq 2 and Q6a3 Eq 1, skip to Q28>

<If Q6a6 Eq 8 and Q6a3 Eq 1, skip to Q28>

<If Q6a6 Eq 9 and Q6a3 Eq 1, skip to Q28>

<If Q6a6 Eq 2 and Q6a4 Eq 1, skip to Q32>

<If Q6a6 Eq 8 and Q6a4 Eq 1, skip to Q32>

<If Q6a6 Eq 9 and Q6a4 Eq 1, skip to Q32>

<If Q6a6 Eq 2 and Q6a5 Eq 1, skip to Q39>

<If Q6a6 Eq 8 and Q6a5 Eq 1, skip to Q39>

<If Q6a6 Eq 9 and Q6a5 Eq 1, skip to Q39>

<If Q6a6 Eq 1 skip to Q52>

<If Q6a6 Eq 1, skip to Q6a6b>

<If Q6a6 Eq 2, 8, or 9, skip to Thank>

Q6a6b. How many other outdoor wood burning appliances do you have? _____

88. DON'T KNOW

99. REFUSED

Q6a6b1. Do you have a: (Read responses, multiple response)

- (1) Fire pit
- (2) Wood burning barbeque
- (3) Outdoor fireplace
- (4) Chiminea <or>
- (5) Other (specify) _____
- (7) DON'T KNOW**
- (8) REFUSED**

<If Q6a1 Eq 1, go to Q8>

<If Q6a2x Eq 1, skip to Q15>

<If Q6a3 Eq 1, skip to Q28>

<If Q6a4 Eq 1, skip to Q32>

<If Q6a5 Eq 1, skip to Q39>

<If Q6a6 Eq 1, skip to Q52>

<If Q6a1 Eq 8 or 9 and Q6a2 Eq 8 or 9 and Q6a3 Eq 8 or 9 and Q6a4 Eq 8 or 9 and Q6a5 Eq 8 or 9 and Q6a6 Eq 8 or 9 skip to TERM>

<If Q6a1 Eq 2 and Q6a2 Eq 2 and Q6a3 Eq 2 and Q6a4 Eq 2 and Q6a5 Eq 2 and Q6a6 Eq 2 skip to TERM>

III. WOOD BURNING FIREPLACES AND MASONRY HEATERS

Q8. Thinking back over the past year from May 2002 through April 2003, did you burn any real wood or artificial logs in your fireplace(s) or masonry heater(s)? Would you say you burned:

- | | |
|---------------------------------|-------------|
| 1. Real wood | (Go to Q9) |
| 2. Artificial logs | (Go to Q12) |
| 3. Both types of wood <or that> | (Go to Q9) |
| 4. You did not burn any wood | |

8. DON'T KNOW

9. REFUSED

<If Q6a2 Eq 1 and Q8 Eq 4, 8, or 9, skip to Q15>
<If Q6a2x Eq 1 and Q8 Eq 4, 8, or 9, skip to Q15>
<If Q6a3 Eq 1 and Q8 Eq 4, 8, or 9, skip to Q28>
<If Q6a4 Eq 1 and Q8 Eq 4, 8, or 9, skip to Q32>
<If Q6a5 Eq 1 and Q8 Eq 4, 8, or 9, skip to Q39>
<If Q6a6 Eq 1 and Q8 Eq 4, 8, or 9, skip to Q52>
<If Q6a6 Eq 1 and Q8 Eq 4, 8, or 9, skip to THANKS>

Q9. Now we need to find out how much real wood you burned in your fireplace(s) or masonry heater(s) from May 2002 through April 2003. There are five units of measure: full cords; “fireplace” or 1/2 cords; “face” cords; pick-up truck loads; and bundles.

A full cord is a stack of wood that is 4 feet high, 8 feet long, and 2 sets of logs deep. A 1/2 cord is a stack of wood that is 4 feet high, 8 feet long, and 1 set of logs deep. A face cord is 1/3 of a cord.

A pick-up truck load is just over a 1/3rd of a cord. A bundle is the amount you usually buy at the grocery store or about 3 to 5 logs.

How much real wood would you say you burned?

88. DON'T KNOW (Go to Q9a)

99. REFUSED (Go to Q9a)

<If Q8 Eq 1, go to Q10. If Q8 Eq 2, skip to Q12. If Q8 Eq 3, go to Q10>

Q9a. When you light a fire, about how many logs do you use?

88. DON'T KNOW

99. REFUSED

Q9b. How often do you light a fire?

--

88. DON'T KNOW

99. REFUSED

<If Q8 Eq 1, go to Q10. If Q8 Eq 2, skip to Q12. If Q8 Eq 3, go to Q10>

Q10. Did you burn any of the following types of real wood in your fireplace(s) or masonry heater(s) from May 2002 through April 2003? (Read responses, multiple response)

(1) Oak or hickory

(2) Pine

(3) Hemlock or spruce

(4) Maple, beech, or birch

(5) Other hardwood

(6) Other softwood <or>

(7) Other (specify) _____

(8) DON'T KNOW

(9) REFUSED

<If Q10 has 1 answer only and Q8 Eq 2, skip to Q12>.

<If Q10 has 1 answer only and Q8 Eq 3, skip to Q12>

<If Q10 has 1 answer only and Q8 Eq 1, skip to Q13>

<If Q10 has more than 1 answer, go to Q11>

<For Q11, show answers from Q10>

Q11. What percent of <name of wood from Q10> did you burn from May 2002 through April 2003?

Oak or hickory _____%

Pine _____%

Hemlock or spruce _____%

Maple, beech, or birch _____%

Other hardwood _____%

Other softwood <or> _____%

Other (specify) <CATI fill-in name> _____%

DON'T KNOW (88)

REFUSED (99)

<If Q8 Eq 2 or 3, go to Q12, otherwise skip to Q13>

Q12. How much artificial wood such as Duraflame, Pine Mountain, and Hearthlogg did you burn in your fireplace(s) or masonry heater(s) from May 2002 through April 2003. There are two units of measure, logs or tons. A pallet of logs usually weighs a ton.

How much artificial wood would you say you burned? (Go to Q12_B)

8. DON'T KNOW (Go to Q12a1)

9. REFUSED (Go to Q12a2)

Q12a1. When you light a fire, about how many artificial wood logs do you use?

888. DON'T KNOW

999. REFUSED

Q12a2. How often do you light a fire? (Go to Q13)

88. DON'T KNOW

99. REFUSED

Q12_B. If respondent says that the unit of measure is a box or a case:

1. Yes, said box (Go to Q12_BN)

2. No, did not say box (Skip to Q13)

8. DON'T KNOW (Skip to Q13)

9. REFUSED (Skip to Q13)

Q12_BN. How many logs was that?

888. DON'T KNOW

999. REFUSED

Q13. Now, I'd like you to tell me how many days each month from May 2002 through April 2003 your fireplace(s) or masonry heater(s) were used. Let's start with May 2002. How many days were your fireplace(s) or masonry heater(s) used in May 2002? How about June 2002?

- 1. Days (Go to Q13a)
- 2. Seasons (Skip to Q13S)
- 8. DON'T KNOW** (Skip to Q14a)
- 9. REFUSED** (Skip to Q14a)

Q13a. Days

a. May 2002	_____
b. June 2002	_____
c. July 2002	_____
d. August 2002	_____
e. September 2002	_____
f. October 2002	_____
g. November 2002	_____
h. December 2002	_____
i. January 2003	_____
j. February 2003	_____
k. March 2003	_____
l. April 2003	_____

DON'T KNOW (888)
REFUSED (999)

(Skip to Q14a)

Q13S. How did you typically use your fireplace(s) or masonry heater(s) in each season? Spring includes March 2002 through May 2002. Summer includes June through August 2002. Fall includes September through November 2002 and Winter includes December 2002 through February 2003.

DON'T KNOW (888)
REFUSED (999)

Q14a. From May 2002 through April 2003, did you typically use your fireplace(s) or masonry heater(s) to burn wood on: (Read categories)

Weekdays (1)	(Go to Q14b)
Weekends (2) <or>	(Go to Q14b)
Weekdays and weekends (3)	(Go to Q14c)
DON'T KNOW (8)	
REFUSED (9)	

Q14b. From May 2002 through April 2003, did you typically use your fireplace(s) or masonry heater(s) to burn wood: (Read categories)

In the morning only (1)
In the evening only (2) <or>
Throughout the day and evening (3)
DON'T KNOW (8)
REFUSED (9)

<If Q14a Eq 1, 2, 8, or 9 and Q6a2x Eq 1, skip to Q15>
<If Q14a Eq 1, 2, 8, or 9 and Q6a3 Eq 1, skip to Q28>
<If Q14a Eq 1, 2, 8, or 9 and Q6a4 Eq 1, skip to Q32>
<If Q14a Eq 1, 2, 8, or 9 and Q6a5 Eq 1, skip to Q39>
<If Q14a Eq 1, 2, 8, or 9 and Q6a6 Eq 1, skip to Q52>

Q14c. From May 2002 through April 2003, did you typically use your fireplace(s) or masonry heater(s) on weekdays and weekends to burn wood: (Read categories)

In the morning only (1)
In the evening only (2) <or>
Throughout the day and evening (3)
DON'T KNOW (8)
REFUSED (9)

<If Q6a2 Eq 1, skip to Q15>
<If Q6a3 Eq 1, skip to Q28>
<If Q6a4 Eq 1, skip to Q32>
<If Q6a5 Eq 1, skip to Q39>
<If Q6a6 Eq 1, skip to Q52>
<If Q6a1 Eq 1, skip to THANK>

IV. WOODSTOVE/FIREPLACE INSERTS

<Show response from Q6a2b>

<If Q6a2b>1, say, “I’m going to ask you questions about your two most commonly used wood stoves or fireplace inserts. Let’s start with the first device.”

Q15. Is this wood stove or fireplace insert a catalytic device?

- 1. Yes
- 2. No
- 8. Don’t Know**
- 9. Refused**

Q16. Was your woodstove or fireplace insert purchased after July 1990?

- 1. Yes (Go to Q18 if Q6a2b or Q6a2bx >1)
- 2. No (Go to Q17)
- 8. Don’t Know** (Go to Q17)
- 9. Refused** (Go to Q17)

<If Q16 Eq 1 and Q6a2b or Q6a2bx Eq1, Go to Q21>

What is the brand and model of your wood stove or fireplace insert? Let’s start with the brand. What is the model?

Q17. Brand: _____

Don’t Know (88)
Refused (99)

Q17a. Model: _____

Don’t Know (88)
Refused (99)

<If Q6a2b >1, go to Q18, otherwise skip to Q21>

Q18. I'd now like to ask you some questions about your second wood stove or fireplace insert. Is this wood stove or fireplace insert a catalytic device?

- 1. Yes
- 2. No
- 8. Don't Know**
- 9. Refused**

Q19. Was your woodstove or fireplace insert purchased after July 1990?

- 1. Yes (Go to Q21)
- 2. No (Go to Q20)
- 8. Don't Know (Go to Q20)**
- 9. Refused (Go to Q20)**

What is the brand and model of your wood stove or fireplace insert? Let's start with the brand. What is the model?

Q20. Brand: _____

Don't Know (88)
Refused (99)

Q20a. Model: _____

Don't Know (88)
Refused (99)

Q21. Thinking back over the past year from May 2002 through April 2003, did you burn any real wood or artificial logs using your woodstove(s) or fireplace insert(s)? Would you say you burned:

- 1. Real wood (Go to Q22)
- 2. Artificial logs (Go to Q25)
- 3. Both types of wood <or that> (Go to Q22)
- 4. You did not burn any wood
- 8. DON'T KNOW**
- 9. REFUSED**

<If Q6a3 Eq 1 and Q21 Eq 4, 8, or 9, skip to Q28>
<If Q6a4 Eq 1 and Q21 Eq 4, 8, or 9, skip to Q32>
<If Q6a5 Eq 1 and Q21 Eq 4, 8, or 9, skip to Q39>
<If Q6a6 Eq 1 and Q21 Eq 4, 8, or 9, skip to Q52>
<If Q6a2x Eq 1, skip to THANK>

Q22. Now we need to find out how much real wood you burned in your wood stove(s) or fireplace insert(s) from May 2002 through April 2003. There are five units of measure: full cords; “fireplace” or 1/2 cords; “face” cords; pick-up truck loads; and bundles.

A full cord is a stack of wood that is 4 feet high, 8 feet long, and 2 sets of logs deep. A 1/2 cord is a stack of wood that is 4 feet high, 8 feet long, and 1 set of logs deep. A face cord is 1/3 of a cord.

A pick-up truck load is just over a 1/3rd of a cord. A bundle is the amount you usually buy at the grocery store or about 3 to 5 logs.

How much real wood would you say you burned?

88. DON'T KNOW (Go to Q22a)

99. REFUSED (Go to Q22a)

<If Q21 Eq 1, go to Q23>

<If Q21 Eq 2, skip to Q25>

<If Q21 Eq 3, go to Q23>

Q22a. When you light a fire, about how many logs do you use?

888. DON'T KNOW

999. REFUSED

Q22b. How often do you light a fire?

88. DON'T KNOW

99. REFUSED

<If Q21 Eq 1, go to Q23>

<If Q21 Eq 2, skip to Q25>

<If Q21 Eq 3, go to Q23>

Q23. Did you burn any of the following types of real wood in your wood stove(s) or fireplace insert(s) from May 2002 through April 2003? (Read responses, multiple response)

- (1) Oak or hickory
- (2) Pine
- (3) Hemlock or spruce
- (4) Maple, beech, or birch
- (5) Other hardwood
- (6) Other softwood <or>
- (7) Other (specify) _____
- (8) DON'T KNOW**
- (9) REFUSED**

<If Q23 has 1 answer only and Q21 Eq 2, skip to Q25>

<If Q23 has 1 answer only and Q21 Eq 3, skip to Q25>

<If Q23 has 1 answer only and Q21 Eq 1, skip to Q26>

<If Q23 has more than 1 answer, go to Q24>

<For Q24, show answers from Q23>

Q24. What percent of < name of wood from Q23> did you burn from May 2002 through April 2003?

Oak or hickory	_____ %
Pine	_____ %
Hemlock or spruce	_____ %
Maple, beech, or birch	_____ %
Other hardwood	_____ %
Other softwood <or>	_____ %
Other (specify) <CATI fill-in name>	_____ %
DON'T KNOW (88)	
REFUSED (99)	

<If Q21 Eq 2 or 3, go to Q25>

<If Q21 Eq 1, skip to Q26>

Q25. How much artificial wood such as Duraflame, Pine Mountain, and Hearthlogg did you burn in your wood stove(s) or fireplace insert(s) from May 2002 through April 2003. There are two units of measure, logs or tons. A pallet of logs usually weighs a ton.

How much artificial wood would you say you burned?

8. DON'T KNOW (Go to Q25a)

9. REFUSED (Go to Q25a)

Q25_B. If respondent says that the unit of measure is a box or a case

1. Yes, said box (Go to Q25_BN)

2. No, did not say box (Skip to Q26)

8. DON'T KNOW (Skip to Q26)

9. REFUSED (Skip to Q26)

Q25_BN. How many logs was that?

888. DON'T KNOW

999. REFUSED

Q25a. When you light a fire, about how artificial wood do you use?

888. DON'T KNOW

999. REFUSED

Q25b. How often do you light a fire? (Go to Q26)

88. DON'T KNOW

99. REFUSED

Q26. Now, I'd like you to tell me how many days each month from May 2002 through April 2003 your wood stove(s) or fireplace insert(s) were used. Let's start with May 2002. How many days were your wood stove(s) or fireplace insert(s) used in May 2002? How about June 2002?

- 1. Days (Go to Q26a)
- 2. Seasons (Skip to Q26S)
- 8. DON'T KNOW** (Skip to Q27a)
- 9. REFUSED** (Skip to Q27a)

Q26a. Days

- a. May 2002 _____
- b. June 2002 _____
- c. July 2002 _____
- d. August 2002 _____
- e. September 2002 _____
- f. October 2002 _____
- g. November 2002 _____
- h. December 2002 _____
- i. January 2003 _____
- j. February 2003 _____
- k. March 2003 _____
- l. April 2003 _____

DON'T KNOW (888)
REFUSED (999)

(Skip to Q27a)

Q26S. How did you typically use your wood stove(s) or fireplace insert(s) in each season? Spring includes March 2002 through May 2002. Summer includes June through August 2002. Fall includes September through November 2002, and Winter includes December 2002 through February 2003.

Q27a. From May 2002 through April 2003, did you typically use your wood stove(s) or fireplace insert(s) to burn wood on: (Read categories)

Weekdays (1) (Go to Q27b)
Weekends (2) <or> (Go to Q27b)
Weekdays and weekends (3) (Go to Q27c)
DON'T KNOW (8)
REFUSED (9)

Q27b. From May 2002 through April 2003, did you typically use your wood stove(s) or fireplace insert(s) to burn wood: (Read categories)

In the morning only (1)
In the evening only (2) <or>
Throughout the day and evening (3)
DON'T KNOW (8)
REFUSED (9)

<If Q27a Eq 1, 2, 8 or 9 and Q6a3 Eq 1, skip to Q28>
<If Q27a Eq 1, 2, 8 or 9 and Q6a4 Eq 1, skip to Q32>
<If Q27a Eq 1, 2, 8 or 9 and Q6a5 Eq 1, skip to Q39>
<If Q27a Eq 1, 2, 8 or 9 and Q6a6 Eq 1, skip to Q52>
<If Q27a Eq 1, 2, 8 or 9 and Q6a2 Eq 1, skip to THANK>

Q27c. From May 2002 through April 2003, did you typically use your wood stove(s) or fireplace insert(s) on weekdays and weekends to burn wood: (Read categories)

In the morning only (1)
In the evening only (2) <or>
Throughout the day and evening (3)
DON'T KNOW (8)
REFUSED (9)

<If Q6a3 Eq 1, skip to Q28>
<If Q6a4 Eq 1, skip to Q32>
<If Q6a5 Eq 1, skip to Q39>
<If Q6a6 Eq 1, skip to Q52>
<If Q6a2 Eq 1, skip to THANK>

V. PELLET STOVES

Q28. Did you use your pellet stove(s) from May 2002 through April 2003?

- 1. Yes (Go to Q29)
- 2. No
- 8. Don't Know**
- 9. Refused**

<If Q6a4 Eq 1 and Q28 Eq 2, 8, or 9 skip to Q32>

<If Q6a5 Eq 1 and Q28 Eq 2, 8, or 9, skip to Q39>

<If Q6a6 Eq 1 and Q28 Eq 2, 8, or 9, skip to Q52>

Q29. Now we need to find out how much pellet fuel you used from May 2002 through April 2003. There are four units of measure: 20-pound bags, 40-pound bags, 50-pound bags, and a ton.

a. How many 20-pound bags of pellet fuel did you use from May 2002 through April 2003?

888. Don't Know
999. Refused

b. How many 40-pound bags of pellet fuel did you use from May 2002 through April 2003?

888. Don't Know
999. Refused

c. How many 50-pound bags of pellet fuel did you use?

888. Don't Know
999. Refused

888. Don't Know
999. Refused

1. Days (Go to Q30a)
 2. Seasons (Skip to Q30S)
8. DON'T KNOW (Go to Q31a)
9. REFUSED (Go to Q31a)

a. May 2002	
b. June 2002	
c. July 2002	
d. August 2002	
e. September 2002	
f. October 2002	
g. November 2002	
h. December 2002	
i. January 2003	
j. February 2003	
k. March 2003	
l. April 2003	

(Skip to Q31a)

--

Q31a. From May 2002 through April 2003, did you typically use your pellet stove(s) to burn pellets on: (Read categories)

Weekdays (1) (Go to Q31b)
Weekends (2) <or> (Go to Q31b)
Weekdays and weekends (3) (Go to Q31c)
DON'T KNOW (8)
REFUSED (9)

Q31b. From May 2002 through April 2003, did you typically use your pellet stove(s) to burn pellets: (Read categories)

In the morning only (1)
In the evening only (2) <or>
Throughout the day and evening (3)
DON'T KNOW (8)
REFUSED (9)

<If Q31a Eq 1, 2, 8 or 9 and Q6a4 Eq 1, skip to Q32>
<If Q31a Eq 1, 2, 8 or 9 and Q6a5 Eq 1, skip to Q39>
<If Q31a Eq 1, 2, 8 or 9 and Q6a6 Eq 1, skip to Q52>
<If Q31a Eq 1, 2, 8 or 9 and Q6a3 Eq 1, skip to THANK>

Q31c. From May 2002 through April 2003, did you typically use your pellet stove(s) on weekdays and weekends to burn pellets: (Read categories)

In the morning only (1)
In the evening only (2) <or>
Throughout the day and evening (3)
DON'T KNOW (8)
REFUSED (9)

<If Q6a4 Eq 1, skip to Q32>
<If Q6a5 Eq 1, skip to Q39>
<If Q6a6 Eq 1, skip to Q52>
<If Q6a3 Eq 1, skip to THANK>

VI. WOOD FURNACES/BOILERS

Q32. Thinking back over the past year from May 2002 through April 2003, did you burn real wood or artificial logs using your wood furnace(s) or boiler(s)? Would you say you burned:

- | | |
|---------------------------------|-------------|
| 1. Real wood | (Go to Q33) |
| 2. Artificial logs | (Go to Q36) |
| 3. Both types of wood <or that> | (Go to Q33) |
| 4. You did not burn any wood | |

8. DON'T KNOW

9. REFUSED

<If Q6a5 Eq 1 and Q32 Eq 4, 8 or 9, skip to Q39>

<If Q6a6 Eq 1 and Q32 Eq 4, 8 or 9, skip to Q52>

<If Q6a4 Eq 1 and Q32 Eq 4, skip to THANK>

Q33. Now we need to find out how much real wood you burned in your wood furnace(s) or boiler(s) from May 2002 through April 2003. There are five units of measure: full cords; "fireplace" or 1/2 cords; "face" cords; pick-up truck loads; and bundles.

A full cord is a stack of wood that is 4 feet high, 8 feet long, and 3 sets of logs deep. A 1/2 cord is a stack of wood that is 4 feet high, 4 feet long, and 3 sets of logs deep. A face cord is 1/3 of a cord.

A pick-up truck load is just over a 1/3rd of a cord. A bundle is the amount you usually buy at the grocery store or about 3 to 5 logs.

How much real wood would you say you burned?

88. DON'T KNOW	(Go to Q33a)
-----------------------	---------------------

99. REFUSED	(Go to Q33a)
--------------------	---------------------

<If Q32 Eq 1, go to Q34>

<If Q32 Eq 2, skip to Q36>

<If Q32 Eq 3, go to Q34>

Q33a. When you light a fire, about how many logs do you use?

888. DON'T KNOW

999. REFUSED

Q33b. How often do you light a fire?

--

88. DON'T KNOW

99. REFUSED

<If Q32 Eq 1, go to Q34>

<If Q32 Eq 2, skip to Q36>

<If Q32 Eq 3, go to Q34>

Q34. Did you burn any of the following types of real wood in your wood furnace(s) or boiler(s) from May 2002 through April 2003? (Read responses, multiple response)

(1) Oak or hickory

(2) Pine

(3) Hemlock or spruce

(4) Maple, beech, or birch

(5) Other hardwood

(6) Other softwood <or>

(7) Other (specify) _____

(8) DON'T KNOW

(9) REFUSED

<If Q34 has 1 answer only and Q32 Eq 2 skip to Q36>.

<If Q34 has 1 answer only and Q32 Eq 3 skip to Q36>.

<If Q34 has 1 answer only and Q32 Eq 1 skip to Q37>.

<If Q34 has more than 1 answer, go to Q35>

<For Q35, show answers from Q34>

Q35. What percent of < name of wood from Q34> did you burn from May 2002 through April 2003?

Oak or hickory	_____ %
Pine	_____ %
Hemlock or spruce	_____ %
Maple, beech, or birch	_____ %
Other hardwood	_____ %
Other softwood <or>	_____ %
Other (specify) <u><CATI fill-in name></u>	_____ %
DON'T KNOW (88)	
REFUSED (99)	

<If Q32 Eq 2 or 3, go to Q36>

<If Q32 Eq 1, skip to Q37>

Q36. How much artificial wood such as Duraflame, Pine Mountain, and Hearthlogg did you burn in your wood furnace(s) or boiler(s) from May 2002 through April 2003. There are two units of measure, logs or tons. A pallet of logs usually weighs a ton.

How much artificial wood would you say you burned?

8. DON'T KNOW (Go to Q37a1)

9. REFUSED (Go to Q37a1)

Q36_B. If respondent says that the unit of measure is a box

1. Yes, said box (Go to Q37_BN)

2. No, did not say box (Skip to Q37)

8. DON'T KNOW (Skip to Q37)

9. REFUSED (Skip to Q37)

Q37_BN. How many logs was that?

888. DON'T KNOW

999. REFUSED

Q37a1. When you light a fire, about how many artificial logs do you use?

888. DON'T KNOW

999. REFUSED

Q37a2. How often do you light a fire? (Go to Q37)

88. DON'T KNOW

99. REFUSED

Q37. Now, I'd like you to tell me how many days each month from May 2002 through April 2003 your wood furnace(s) or boiler(s) were used. Let's start with May 2002. How many days were your wood furnace(s) or boiler(s) used in May 2002? How about June 2002?

1. Days (Go to Q37a)

2. Seasons (Skip to Q37S)

8. DON'T KNOW (Skip to Q38a)

9. REFUSED (Skip to Q38a)

Q37a. Days

a. May 2002	_____
b. June 2002	_____
c. July 2002	_____
d. August 2002	_____
e. September 2002	_____
f. October 2002	_____
g. November 2002	_____
h. December 2002	_____
i. January 2003	_____
j. February 2003	_____
k. March 2003	_____
l. April 2003	_____

DON'T KNOW (888)

REFUSED (999)

(Skip to Q38a)

Q37S. How did you typically use your wood furnace(s) or boiler(s) in each season? Spring includes March through May 2002. Summer includes June through August 2002. Fall includes September through November 2002, and Winter includes December 2002 through February 2003.

Q38a. From May 2002 through April 2003, did you typically use your wood furnace(s) or boiler(s) to burn wood on: (Read categories)

Weekdays (1) (Go to Q38b)
Weekends (2) <or> (Go to Q38b)
Weekdays and weekends (3) (Go to Q38c)
DON'T KNOW (8)
REFUSED (9)

Q38b. From May 2002 through April 2003, did you typically use your wood furnace(s) or boiler(s) to burn wood: (Read categories)

In the morning only (1)
In the evening only (2) <or>
Throughout the day and evening (3)
DON'T KNOW (8)
REFUSED (9)

<If Q38a Eq 1, 2, 8 or 9 and Q6a5 Eq 1, skip to Q39>
<If Q38a Eq 1, 2, 8 or 9 and Q6a6 Eq 1, skip to Q52>
<If Q38a Eq 1, 2, 8 or 9 and Q6a4 Eq 1, skip to THANK>

Q38c. From May 2002 through April 2003, did you typically use your wood furnace(s) or boiler(s) on weekdays and weekends to burn wood: (Read categories)

In the morning only (1)
In the evening only (2) <or>
Throughout the day and evening (3)
DON'T KNOW (8)
REFUSED (9)

<If Q6a5 Eq 1, skip to Q39>
<If Q6a6 Eq 1, skip to Q52>
<If Q6a4 Eq 1, skip to THANK>

VII. OTHER INDOOR WOOD BURNING EQUIPMENT

<If Q6a5b >1, say “I’m going to ask you questions about two of your most commonly used indoor wood burning devices. Let’s start with the first device.”

Q39. Is this indoor wood burning equipment a catalytic device?

- 1. Yes
- 2. No
- 8. Don’t Know**
- 9. Refused**

Q40. Was your indoor wood burning equipment purchased after July 1990?

- 1. Yes (Go to Q42 if Q6a5b >1. Go to Q45 if Q6a5b=1)
- 2. No (Go to Q41)
- 8. Don’t Know** (Go to Q41)
- 9. Refused** (Go to Q41)

What is the brand and model of your indoor wood burning equipment? Let’s start with the brand. What is the model?

Q41. Brand: _____

Don’t Know (88)
Refused (99)

Q41a. Model: _____

Don’t Know (88)
Refused (99)

<If Q6a5b >1, go to Q42, otherwise skip to Q45>

Q42. Now, I’d like to ask you some questions about your second indoor wood burning device. Is this device a catalytic device?

- 1. Yes
- 2. No
- 8. Don’t Know**
- 9. Refused**

Q43. Was your indoor wood burning equipment purchased after July 1990?

- 1. Yes (Go to Q45)
- 2. No (Go to Q44)
- 8. Don't Know** (Go to Q44)
- 9. Refused** (Go to Q44)

What is the brand and model of your indoor wood burning equipment? Let's start with the brand. What is the model?

Q44. Brand: _____

Don't Know (88)
Refused (99)

Q44a. Model: _____

Don't Know (88)
Refused (99)

Q45. Thinking back over the past year from May 2002 through April 2003, did you burn any real wood or artificial logs using your indoor wood burning equipment? Would you say you burned:

- 1. Real wood (Go to Q46)
- 2. Artificial logs (Go to Q49)
- 3. Both types of wood <or> (Go to Q46)
- 4. You did not burn any wood
- 8. DON'T KNOW**
- 9. REFUSED**

<If Q6a6 Eq 1 and Q45 Eq 4, 8, or 9, skip to Q52, otherwise skip to THANK>

Q46. Now we need to find out how much real wood you burned in your indoor wood burning equipment from April 2002 through April 2003. There are five units of measure: full cords; “fireplace” or 1/2 cords; “face” cords; pick-up truck loads; and bundles.

A full cord is a stack of wood that is 4 feet high, 8 feet long, and 3 sets of logs deep. A 1/2 cord is a stack of wood that is 4 feet high, 4 feet long, and 3 sets of logs deep. A face cord is 1/3 of a cord.

A pick-up truck load is just over a 1/3rd of a cord. A bundle is the amount you usually buy at the grocery store or about 3 to 5 logs.

How much real wood would you say you burned?

88. DON'T KNOW (Go to Q46a)
99. REFUSED (Go to Q46a)

<If Q45 Eq 1, go to Q47>
<If Q45 Eq 2, skip to Q49>
<If Q45 Eq 3, go to Q47>

Q46a. When you light a fire, about how many logs do you use?

88. DON'T KNOW
99. REFUSED

Q46b. How often do you light a fire?

88. DON'T KNOW
99. REFUSED

<If Q45 Eq 1, go to Q47>
<If Q45 Eq 2, skip to Q49>
<If Q45 Eq 3, go to Q47>

Q47. Did you burn any of the following types of real wood in your indoor wood burning equipment from May 2002 through April 2003? (Read responses, multiple response)

- (1) Oak or hickory
- (2) Pine
- (3) Hemlock or spruce
- (4) Maple, beech, or birch
- (5) Other hardwood
- (6) Other softwood <or>
- (7) Other (specify) _____
- (8) DON'T KNOW**
- (9) REFUSED**

<If Q47 has 1 answer only and Q45 Eq 2, skip to Q49>.

<If Q47 has 1 answer only and Q45 Eq 3, skip to Q49>

<If Q47 has 1 answer only and Q45 Eq 1, skip to Q50>

<If Q47 has more than 1 answer, go to Q48>

Q48. What percent of < name of wood from Q47> did you burn from May 2002 through April 2003?

Oak or hickory	_____ %
Pine	_____ %
Hemlock or spruce	_____ %
Maple, beech, or birch	_____ %
Other hardwood	_____ %
Other softwood <or>	_____ %
Other (specify) <CATI fill-in name>	_____ %
DON'T KNOW (88)	
REFUSED (99)	

<If Q45 Eq 2 or 3, go to Q49>

<If Q45 Eq 1, skip to Q50>

Q49. How much artificial wood such as Duraflame, Pine Mountain, and Hearthlogg did you burn in your indoor wood burning equipment from May 2002 through April 2003. There are two units of measure, logs or tons. A pallet of logs usually weighs a ton.

How much artificial wood would you say you burned?

-
- 8. DON'T KNOW** (Go to Q49a1)
9. REFUSED (Go to Q49a2)

Q49b. If respondent says that the unit of measure is a box or a case

1. Yes, said box (Go to Q49_BN)
2. No, did not say box (Skip to Q50)
8. DON'T KNOW (Skip to Q50)
9. REFUSED (Skip to Q50)

Q49_BN. How many logs was that? _____

- 888. DON'T KNOW**
999. REFUSED

Q49a1. When you light a fire, about how many artificial logs do you use?

-
- 888. DON'T KNOW**
999. REFUSED

Q49a2. How often do you light a fire? (Go to Q50)

-
- 88. DON'T KNOW**
99. REFUSED

Q50. Now, I'd like you to tell me how many days each month from May 2002 through April 2003 your indoor wood burning equipment was used. Let's start with May 2002. How many days was your indoor wood burning equipment used in May 2002? How about June 2002?

1. Days (Go to Q50a)
2. Seasons (Skip to Q50S)
8. DON'T KNOW (Skip to Q51a)
9. REFUSED (Skip to Q51a)

Q50a. Days

- [illegible]

DON'T KNOW (888)
REFUSED (999)

(Skip to Q51a)

Q50S. How did you typically use your indoor wood burning equipment in each season? Spring includes March through May 2002. Summer includes June through August 2002. Fall includes September through November 2002 and Winter includes December 2002 through February 2003.

--

Q51a. From May 2002 through April 2003, did you typically use your indoor wood burning equipment to burn wood on: (Read categories)

- Weekdays (1) (Go to Q51b)
Weekends (2) <or> (Go to Q51b)
Weekdays and weekends (3) (Go to Q51c)
DON'T KNOW (8)
REFUSED (9)

Q51b. From May 2002 through April 2003, did you typically use your indoor wood burning equipment to burn wood: (Read categories)

In the morning only (1)
In the evening only (2) <or>
Throughout the day and evening (3)
DON'T KNOW (8)
REFUSED (9)

<If Q6a6 Eq 1 and Q51a Eq 1 or 2, skip to Q52>

<If Q6a6 Eq 1 and Q51a Eq 8 or 9, skip to Q52>

<If Q6a5 Eq 1 and Q51a Eq 1 or 2, skip to THANK>

<If Q6a5 Eq 1 and Q51a Eq 8 or 9, skip to THANK>

Q51c. From May 2002 through April 2003, did you typically use your indoor wood burning equipment on weekdays and weekends to burn wood: (Read categories)

In the morning only (1)
In the evening only (2) <or>
Throughout the day and evening (3)
DON'T KNOW (8)
REFUSED (9)

<If Q6a6 Eq 1, skip to Q52>

<If Q6a5 Eq 1, skip to THANK>

VIII. OUTDOOR WOOD BURNING EQUIPMENT

Q52. Thinking back over the past year from May 2002 through April 2003, did you burn real wood or artificial logs using your outdoor wood burning equipment? Would you say you burned:

- | | |
|---------------------------------|---------------|
| 1. Real wood | (Go to Q53) |
| 2. Artificial logs | (Go to Q56) |
| 3. Both types of wood <or that> | (Go to Q53) |
| 4. You did not burn any wood | (Go to Thank) |
| 8. DON'T KNOW | (Go to Thank) |
| 9. REFUSED | (Go to Thank) |

Q53. Now we need to find out how much real wood you burned in your outdoor wood burning equipment from May 2002 through April 2003. There are four units of measure: full cords; “fireplace” or 1/2 cords; “face” cords; pick-up truck loads; and bundles.

A full cord is a stack of wood that is 4 feet high, 8 feet long, and 3 sets of logs deep. A 1/2 cord is a stack of wood that is 4 feet high, 4 feet long, and 3 sets of logs deep. A face cord is 1/3 of a cord.

A pick-up truck load is just over a 1/3rd of a cord. A bundle is the amount you usually buy at the grocery store or about 3 to 5 logs.

How much real wood would you say you burned?

-
- | | |
|-----------------------|---------------------|
| 88. DON'T KNOW | (Go to Q53a) |
| 99. REFUSED | (Go to Q53a) |

<If Q52 Eq 1, go to Q54>
<If Q52 Eq 2, skip to Q56>
<If Q52 Eq 3, go to Q54>

Q53a. When you light a fire, about how many logs do you use?

-
- | |
|------------------------|
| 888. DON'T KNOW |
| 999. REFUSED |

Q53b. How often do you light a fire?

--

88. DON'T KNOW

99. REFUSED

<If Q52 Eq 1, go to Q54>

<If Q52 Eq 2, skip to Q56>

<If Q52 Eq 3, go to Q54>

Q54. Did you burn any of the following types of real wood in your outdoor wood burning equipment from May 2002 through April 2003? (Read responses, multiple response)

(1) Oak or hickory

(2) Pine

(3) Hemlock or spruce

(4) Maple, beech, or birch

(5) Other hardwood

(6) Other softwood <or>

(7) Other (specify) _____

(8) DON'T KNOW

(9) REFUSED

<If Q54 has 1 answer only and Q52 Eq 2, skip to Q56>.

<If Q54 has 1 answer only and Q52 Eq 3, skip to Q56>.

<If Q54 has 1 answer only and Q52 Eq 1, skip to Q57>.

<If Q54 has more than 1 answer, go to Q55>

<For Q55, show answers from Q54>

Q55. What percent of < name of wood from Q54> did you burn from May 2002 through April 2003?

Oak or hickory	_____ %
Pine	_____ %
Hemlock or spruce	_____ %
Maple, beech, or birch	_____ %
Other hardwood	_____ %
Other softwood <or>	_____ %
Other (specify) <u><CATI fill-in name></u>	_____ %
DON'T KNOW (88)	
REFUSED (99)	

<If Q52 Eq 1, skip to Q57>

<If Q52 Eq 2 or 3, go to Q56>

Q56. How much artificial wood such as Duraflame, Pine Mountain, and Hearthlogg did you burn in your outdoor wood burning equipment from May 2002 through April 2003? There are two units of measure, logs or tons. A pallet of logs usually weighs a ton.

How much artificial wood would you say you burned?

8. DON'T KNOW	(Go to Q56a1)
9. REFUSED	(Go to Q56a1)

Q56_B. If respondent says that the unit of measure is a box or a case

1. Yes, said box	(Go to Q56_BN)
2. No, did not say box	(Skip to Q57)
8. DON'T KNOW	(Skip to Q57)
9. REFUSED	(Skip to Q57)

Q56_BN. How many logs was that?

888. DON'T KNOW
999. REFUSED

Q56a1. When you light a fire, about how many artificial logs do you use?

888. DON'T KNOW

999. REFUSED

Q56a2. How often do you light a fire? (Go to Q57)

888. DON'T KNOW

999. REFUSED

Q57. Now, I'd like you to tell me how many days each month from May 2002 through April 2003 your outdoor wood burning equipment was used. Let's start with May 2002. How many days was your outdoor wood burning equipment used in May 2002? How about June 2002?

1. Days (Go to Q57a)

2. Seasons (Skip to Q57S)

8. DON'T KNOW (Skip to Q58a)

9. REFUSED (Skip to Q58a)

Q57a. Days

a. May 2002	
b. June 2002	
c. July 2002	
d. August 2002	
e. September 2002	
f. October 2002	
g. November 2002	
h. December 2002	
i. January 2003	
j. February 2003	
k. March 2003	
l. April 2003	

DON'T KNOW (888)

(Skip to Q58a)

REFUSED (999)

Q57S. How did you typically use your outdoor wood burning equipment in each season?
Spring includes March through May 2002. Summer includes June through August 2002. Fall includes September through November 2002, and Winter includes December 2002 through February 2003.

Q58a. From May 2002 through April 2003, did you typically use your outdoor wood burning equipment to burn wood on: (Read categories)

Weekdays (1)	(Go to Q58b)
Weekends (2) <or>	(Go to Q58b)
Weekdays and weekends (3)	(Go to Q58c)
DON'T KNOW (8)	
REFUSED (9)	

Q58b. From May 2002 through April 2003, did you typically use your outdoor wood burning equipment to burn wood: (Read categories)

In the morning only (1)
In the evening only (2) <or>
Throughout the day and evening (3)
DON'T KNOW (8)
REFUSED (9)

<If Q58a Eq 1, 2, 8 or 9, skip to THANK>

Q58c. From May 2002 through April 2003, did you typically use your outdoor wood burning equipment on weekdays and weekends to burn wood: (Read categories)

In the morning only (1)
In the evening only (2) <or>
Throughout the day and evening (3)
DON'T KNOW (8)
REFUSED (9)

Thank

Thank you very much for participating in this interview.

Appendix B

Preliminary Frequencies

Frequencies

q1a In what state do you live?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Delaware	36	1.9	1.9	1.9
	The District of Columbia	4	.2	.2	2.1
	Maine	183	9.6	9.6	11.7
	Maryland	201	10.6	10.6	22.3
	Massachusetts	130	6.8	6.8	29.1
	New Hampshire	85	4.5	4.5	33.5
	New Jersey	117	6.1	6.1	39.7
	New York	549	28.8	28.8	68.5
	Pennsylvania	447	23.5	23.5	92.0
	Rhode Island	24	1.3	1.3	93.2
	Vermont	55	2.9	2.9	96.1
	Connecticut	74	3.9	3.9	100.0
	Total	1905	100.0	100.0	

Intro6 Introduction

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Proceed to next question	4	.2	80.0	80.0
	Doesn't burn wood	1	.1	20.0	100.0
	Total	5	.3	100.0	
Missing	System	1900	99.7		
Total		1905	100.0		

q5 What type of house do you live in?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A single family detached house in which no walls are shared	885	46.5	46.5	46.5
	A single family attached house such as a duplex or triplex t	236	12.4	12.4	58.8
	Other - such as a multi-family dwelling of 4 or more units o	784	41.2	41.2	100.0
	Total	1905	100.0	100.0	

q6a1 Do you have a wood burning fireplace or a masonry heater at your residence?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	358	18.8	18.8	18.8
	No	1545	81.1	81.1	99.9
	Don't know	1	.1	.1	99.9
	Refused	1	.1	.1	100.0
	Total	1905	100.0	100.0	

q6a1b How many wood burning fireplaces or a masonry heaters do you have?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	4	.2	1.1	1.1
	1	272	14.3	76.0	77.1
	2	62	3.3	17.3	94.4
	3	13	.7	3.6	98.0
	4	2	.1	.6	98.6
	5	2	.1	.6	99.2
	6	1	.1	.3	99.4
	8	2	.1	.6	100.0
	Total	358	18.8	100.0	
Missing	System	1547	81.2		
Total		1905	100.0		

q6a2 Do you have a wood stove or fireplace insert?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	237	12.4	12.4	12.4
	No	1663	87.3	87.3	99.7
	Don't know	2	.1	.1	99.8
	Refused	3	.2	.2	100.0
	Total	1905	100.0	100.0	

q6a2b How many wood stoves or fireplace inserts do you have?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	208	10.9	87.8	87.8
	2	26	1.4	11.0	98.7
	3	2	.1	.8	99.6
	6	1	.1	.4	100.0
	Total	237	12.4	100.0	
Missing	System	1668	87.6		
Total		1905	100.0		

q6a3 Do you have a pellet stove?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	19	1.0	1.0	1.0
	No	1879	98.6	98.6	99.6
	Don't know	4	.2	.2	99.8
	Refused	3	.2	.2	100.0
	Total	1905	100.0	100.0	

q6a3b How many pellet stoves do you have?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	17	.9	89.5	89.5
	2	1	.1	5.3	94.7
	4	1	.1	5.3	100.0
	Total	19	1.0	100.0	
Missing	System	1886	99.0		
Total		1905	100.0		

q6a4 Do you have a wood-fired furnace or boiler?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	41	2.2	2.2	2.2
	No	1853	97.3	97.3	99.4
	Don't know	10	.5	.5	99.9
	Refused	1	.1	.1	100.0
	Total	1905	100.0	100.0	

q6a4b How many wood-fired furnaces or heaters do you have?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1	.1	2.4	2.4
	1	39	2.0	95.1	97.6
	2	1	.1	2.4	100.0
	Total	41	2.2	100.0	
Missing	System	1864	97.8		
Total		1905	100.0		

q6a5 Do you have any other indoor wood burning appliances that we haven't talked about yet?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	7	.4	.4	.4
	No	1895	99.5	99.5	99.8
	Refused	3	.2	.2	100.0
	Total	1905	100.0	100.0	

q6a5b How many other indoor wood burning appliances do you have?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1	.1	14.3	14.3
	1	6	.3	85.7	100.0
	Total	7	.4	100.0	
Missing	System	1898	99.6		
Total		1905	100.0		

q6a5b1 What type of indoor burning appliances do you

	Frequenc	Percen	Valid	Cumulativ Percen
Valid	1898	99.6	99.6	99.6
cookstov	1	.1	.1	99.7
free standing wood	1	.1	.1	99.7
Indoor wood stove--in basement of the	1	.1	.1	99.8
Smoker for meat corned	1	.1	.1	99.8
wood burning	1	.1	.1	99.9
wood	1	.1	.1	99.9
WOODBURNING	1	.1	.1	100.0
Total	1905	100.0	100.0	

q6a5c Did respondent mention wood-fired stove in response to the last question?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Yes	5	.3	71.4	71.4
No	2	.1	28.6	100.0
Total	7	.4	100.0	
Missing System	1898	99.6		
Total	1905	100.0		

q6a2bx How many wood stoves or fireplace inserts do you have?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1	5	.3	100.0	100.0
Missing System	1900	99.7		
Total	1905	100.0		

q6a6 Do you have any outdoor wood burning equipment such as a fire pit, wood burning BBQ, outdoor fireplace, or chimenea?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Yes	150	7.9	7.9	7.9
No	1748	91.8	91.8	99.6
Don't know	4	.2	.2	99.8
Refused	3	.2	.2	100.0
Total	1905	100.0	100.0	

q6a6b How many other outdoor wood burning appliances do you have?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	11	.6	7.3	7.3
	1	130	6.8	86.7	94.0
	2	6	.3	4.0	98.0
	3	1	.1	.7	98.7
	4	2	.1	1.3	100.0
	Total	150	7.9	100.0	
Missing	System	1755	92.1		
Total		1905	100.0		

q6a6b1_1 Do you have a firepit?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	84	4.4	56.0	56.0
	yes	66	3.5	44.0	100.0
	Total	150	7.9	100.0	
Missing	System	1755	92.1		
Total		1905	100.0		

q6a6b1_2 Do you have a wood burning

		Frequenc	Percen	Valid	Cumulativ Percen
Valid	no	121	6.4	80.7	80.7
	yes	29	1.5	19.3	100.0
	Total	150	7.9	100.0	
Missin	Syste	1755	92.1		
Total		1905	100.0		

q6a6b1_3 Do you have an outdoor fireplace?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	128	6.7	85.3	85.3
	yes	22	1.2	14.7	100.0
	Total	150	7.9	100.0	
Missing	System	1755	92.1		
Total		1905	100.0		

q6a6b1_4 Do you have a chiminea?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	125	6.6	83.3	83.3
	yes	25	1.3	16.7	100.0
	Total	150	7.9	100.0	
Missing	System	1755	92.1		
Total		1905	100.0		

q6a6b1_5 Do you have - other specified?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	130	6.8	86.7	86.7
	yes	20	1.0	13.3	100.0
	Total	150	7.9	100.0	
Missing	System	1755	92.1		
Total		1905	100.0		

q6a6b1_7 Don't know

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	148	7.8	98.7	98.7
	yes	2	.1	1.3	100.0
	Total	150	7.9	100.0	
Missing	System	1755	92.1		
Total		1905	100.0		

q6a6b1_8 Refused

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	150	7.9	100.0	100.0
Missing	System	1755	92.1		
Total		1905	100.0		

Wood burning fireplaces and masonry heaters

q8 Thinking back over the past year from May 2002 through April 2003, did you burn any real wood or artificial logs in your fireplace(s) or masonry heater(s)? Would you say...

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Real wood	155	8.1	43.3	43.3
	Artificial logs	10	.5	2.8	46.1
	Both types of wood	37	1.9	10.3	56.4
	Did not burn any wood	155	8.1	43.3	99.7
	Refused	1	.1	.3	100.0
	Total	358	18.8	100.0	
Missing	System	1547	81.2		
Total		1905	100.0		

q9 How much real wood did you burn in your fireplace(s) or masonry heater(s) from May 2002 through April 2003? How much real wood would you say you burned?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Answer given	188	9.9	97.9	97.9
	Don't know	4	.2	2.1	100.0
	Total	192	10.1	100.0	
Missing	System	1713	89.9		
Total		1905	100.0		

q9a When you light a fire, about how many logs do you use?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	.1	25.0	25.0
	5	1	.1	25.0	50.0
	8	1	.1	25.0	75.0
	Don't know	1	.1	25.0	100.0
	Total	4	.2	100.0	
Missing	System	1901	99.8		
Total		1905	100.0		

q9b How often do you light a fire?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid		1901	99.8	99.8	99.8
	10 times a year	1	.1	.1	99.8
	14 days out of the year	1	.1	.1	99.9
	once a month	1	.1	.1	99.9
	Two times a week in the Winter	1	.1	.1	100.0
	Total	1905	100.0	100.0	

q10_1 Did you burn Oak or hickory?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	80	4.2	41.7	41.7
	yes	112	5.9	58.3	100.0
	Total	192	10.1	100.0	
Missing	System	1713	89.9		
Total		1905	100.0		

q10_2 Did you burn Pine?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	165	8.7	85.9	85.9
	yes	27	1.4	14.1	100.0
	Total	192	10.1	100.0	
Missing	System	1713	89.9		
Total		1905	100.0		

q10_3 Did you burn Hemlock or spruce?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	178	9.3	92.7	92.7
	yes	14	.7	7.3	100.0
	Total	192	10.1	100.0	
Missing	System	1713	89.9		
Total		1905	100.0		

q10_4 Did you burn Maple, beech or birch?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	99	5.2	51.6	51.6
	yes	93	4.9	48.4	100.0
	Total	192	10.1	100.0	
Missing	System	1713	89.9		
Total		1905	100.0		

q10_5 Did you burn other hardwood?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	144	7.6	75.0	75.0
	yes	48	2.5	25.0	100.0
	Total	192	10.1	100.0	
Missing	System	1713	89.9		
Total		1905	100.0		

q10_6 Did you burn other softwood?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	185	9.7	96.4	96.4
	yes	7	.4	3.6	100.0
	Total	192	10.1	100.0	
Missing	System	1713	89.9		
Total		1905	100.0		

q10_7 Did you burn other specified?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	167	8.8	87.0	87.0
	yes	25	1.3	13.0	100.0
	Total	192	10.1	100.0	
Missing	System	1713	89.9		
Total		1905	100.0		

q10_8 Don't know?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	163	8.6	84.9	84.9
	yes	29	1.5	15.1	100.0
	Total	192	10.1	100.0	
Missing	System	1713	89.9		
Total		1905	100.0		

q10_9 Refused?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	192	10.1	100.0	100.0
Missing	System	1713	89.9		
Total		1905	100.0		

q11_1 What percent of 'first choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	1	.1	1.0	1.0
	5	4	.2	3.9	4.9
	10	10	.5	9.8	14.7
	15	1	.1	1.0	15.7
	20	2	.1	2.0	17.6
	25	3	.2	2.9	20.6
	30	6	.3	5.9	26.5
	33	8	.4	7.8	34.3
	40	5	.3	4.9	39.2
	45	1	.1	1.0	40.2
	50	25	1.3	24.5	64.7
	55	1	.1	1.0	65.7
	60	7	.4	6.9	72.5
	67	1	.1	1.0	73.5
	70	2	.1	2.0	75.5
	75	10	.5	9.8	85.3
	80	6	.3	5.9	91.2
	90	3	.2	2.9	94.1
	95	5	.3	4.9	99.0
	98	1	.1	1.0	100.0
	Total	102	5.4	100.0	
Missing	System	1803	94.6		
Total		1905	100.0		

q11_2 What percent of 'second choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1	.1	1.0	1.0
	1	1	.1	1.0	2.0
	2	4	.2	3.9	5.9
	5	9	.5	8.8	14.7
	10	8	.4	7.8	22.5
	15	4	.2	3.9	26.5
	20	9	.5	8.8	35.3
	25	10	.5	9.8	45.1
	30	5	.3	4.9	50.0
	33	8	.4	7.8	57.8
	40	6	.3	5.9	63.7
	45	1	.1	1.0	64.7
	50	18	.9	17.6	82.4
	55	1	.1	1.0	83.3
	60	6	.3	5.9	89.2
	70	2	.1	2.0	91.2
	90	8	.4	7.8	99.0
	99	1	.1	1.0	100.0
	Total	102	5.4	100.0	
Missing	System	1803	94.6		
Total		1905	100.0		

q11_3 What percent of 'third choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	2	.1	4.3	4.3
	1	1	.1	2.2	6.5
	3	1	.1	2.2	8.7
	5	9	.5	19.6	28.3
	7	1	.1	2.2	30.4
	10	2	.1	4.3	34.8
	18	1	.1	2.2	37.0
	20	2	.1	4.3	41.3
	25	7	.4	15.2	56.5
	28	1	.1	2.2	58.7
	34	7	.4	15.2	73.9
	35	2	.1	4.3	78.3
	40	1	.1	2.2	80.4
	50	3	.2	6.5	87.0
	60	2	.1	4.3	91.3
	69	1	.1	2.2	93.5
	73	1	.1	2.2	95.7
	75	2	.1	4.3	100.0
	Total	46	2.4	100.0	
Missing	System	1859	97.6		
Total		1905	100.0		

q11_4 What percent of 'fourth choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2	1	.1	7.1	7.1
	5	3	.2	21.4	28.6
	14	1	.1	7.1	35.7
	15	1	.1	7.1	42.9
	20	2	.1	14.3	57.1
	25	2	.1	14.3	71.4
	50	2	.1	14.3	85.7
	75	1	.1	7.1	92.9
	80	1	.1	7.1	100.0
	Total	14	.7	100.0	
Missing	System	1891	99.3		
Total		1905	100.0		

q11_5 What percent of 'fifth choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	20	1	.1	100.0	100.0
Missing	System	1904	99.9		
Total		1905	100.0		

q11_6 What percent of 'sixth choice' did you burn?

		Frequency	Percent
Missing	System	1905	100.0

12a When you light a fire, about how many artificial wood logs do you use?

		Frequency	Percent
Missing	System	1905	100.0

q12b How often do you light a fire?

		Frequency	Percent
Missing	System	1905	100.0

q12b_o how often a fire open end

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1905	100.0	100.0	100.0

q12_b Did respondent say that the unit of measure is a box?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes, said box	12	.6	25.5	25.5
	No, did not say box	35	1.8	74.5	100.0
	Total	47	2.5	100.0	
Missing	System	1858	97.5		
Total		1905	100.0		

q12_bn How many logs was that?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	.1	8.3	8.3
	4	1	.1	8.3	16.7
	6	2	.1	16.7	33.3
	8	1	.1	8.3	41.7
	9	1	.1	8.3	50.0
	12	4	.2	33.3	83.3
	24	1	.1	8.3	91.7
	72	1	.1	8.3	100.0
	Total	12	.6	100.0	
Missing	System	1893	99.4		
Total		1905	100.0		

q13 How many days was your fireplace or masonry heater used ...?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Enter days	154	8.1	76.2	76.2
	Can only answer in seasons	44	2.3	21.8	98.0
	Don't know	4	.2	2.0	100.0
	Total	202	10.6	100.0	
Missing	System	1703	89.4		
Total		1905	100.0		

q13a_1 days fireplace used may 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	127	6.7	82.5	82.5
	1	8	.4	5.2	87.7
	2	4	.2	2.6	90.3
	3	2	.1	1.3	91.6
	5	4	.2	2.6	94.2
	6	1	.1	.6	94.8
	15	4	.2	2.6	97.4
	16	1	.1	.6	98.1
	20	2	.1	1.3	99.4
	Don't know	1	.1	.6	100.0
	Total	154	8.1	100.0	
Missing	System	1751	91.9		
Total		1905	100.0		

q13a_2 days fireplace used june 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	144	7.6	93.5	93.5
	1	2	.1	1.3	94.8
	2	2	.1	1.3	96.1
	10	2	.1	1.3	97.4
	15	3	.2	1.9	99.4
	Don't know	1	.1	.6	100.0
	Total	154	8.1	100.0	
Missing	System	1751	91.9		
Total		1905	100.0		

q13a_3 days fireplace used july 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	149	7.8	96.8	96.8
	1	1	.1	.6	97.4
	2	1	.1	.6	98.1
	15	2	.1	1.3	99.4
	Don't know	1	.1	.6	100.0
	Total	154	8.1	100.0	
Missing	System	1751	91.9		
Total		1905	100.0		

q13a_4 days fireplace used august 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	149	7.8	96.8	96.8
	1	1	.1	.6	97.4
	2	1	.1	.6	98.1
	5	1	.1	.6	98.7
	15	1	.1	.6	99.4
	Don't know	1	.1	.6	100.0
	Total	154	8.1	100.0	
Missing	System	1751	91.9		
Total		1905	100.0		

q13a_5 days fireplace used september 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	126	6.6	81.8	81.8
	1	4	.2	2.6	84.4
	2	6	.3	3.9	88.3
	3	4	.2	2.6	90.9
	4	2	.1	1.3	92.2
	5	2	.1	1.3	93.5
	7	1	.1	.6	94.2
	10	4	.2	2.6	96.8
	15	3	.2	1.9	98.7
	30	1	.1	.6	99.4
	Don't know	1	.1	.6	100.0
	Total	154	8.1	100.0	
Missing	System	1751	91.9		
Total		1905	100.0		

q13a_6 days fireplace used october 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	81	4.3	52.6	52.6
	1	8	.4	5.2	57.8
	2	13	.7	8.4	66.2
	3	8	.4	5.2	71.4
	4	3	.2	1.9	73.4
	5	9	.5	5.8	79.2
	6	3	.2	1.9	81.2
	7	1	.1	.6	81.8
	8	1	.1	.6	82.5
	9	2	.1	1.3	83.8
	10	7	.4	4.5	88.3
	15	2	.1	1.3	89.6
	16	1	.1	.6	90.3
	20	7	.4	4.5	94.8
	30	3	.2	1.9	96.8
	31	4	.2	2.6	99.4
	Don't know	1	.1	.6	100.0
	Total	154	8.1	100.0	
Missing	System	1751	91.9		
Total		1905	100.0		

q13a_7 days fireplace used november 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	41	2.2	26.6	26.6
	1	14	.7	9.1	35.7
	2	18	.9	11.7	47.4
	3	6	.3	3.9	51.3
	4	8	.4	5.2	56.5
	5	4	.2	2.6	59.1
	6	2	.1	1.3	60.4
	7	3	.2	1.9	62.3
	8	2	.1	1.3	63.6
	10	14	.7	9.1	72.7
	12	5	.3	3.2	76.0
	13	1	.1	.6	76.6
	15	4	.2	2.6	79.2
	16	1	.1	.6	79.9
	20	9	.5	5.8	85.7
	25	2	.1	1.3	87.0
	30	18	.9	11.7	98.7
	Don't know	2	.1	1.3	100.0
	Total	154	8.1	100.0	
Missing	System	1751	91.9		
Total		1905	100.0		

q13a_8 days fireplace used december 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	12	.6	7.8	7.8
	1	15	.8	9.7	17.5
	2	23	1.2	14.9	32.5
	3	9	.5	5.8	38.3
	4	10	.5	6.5	44.8
	5	10	.5	6.5	51.3
	6	3	.2	1.9	53.2
	7	3	.2	1.9	55.2
	8	1	.1	.6	55.8
	10	7	.4	4.5	60.4
	11	1	.1	.6	61.0
	12	6	.3	3.9	64.9
	15	9	.5	5.8	70.8
	16	1	.1	.6	71.4
	17	1	.1	.6	72.1
	20	14	.7	9.1	81.2
	25	2	.1	1.3	82.5
	30	10	.5	6.5	89.0
	31	16	.8	10.4	99.4
	Don't know	1	.1	.6	100.0
	Total	154	8.1	100.0	
Missing	System	1751	91.9		
Total		1905	100.0		

q13a_9 days fireplace used january 2003

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	19	1.0	12.3	12.3
	1	13	.7	8.4	20.8
	2	19	1.0	12.3	33.1
	3	11	.6	7.1	40.3
	4	5	.3	3.2	43.5
	5	8	.4	5.2	48.7
	6	5	.3	3.2	51.9
	7	3	.2	1.9	53.9
	8	1	.1	.6	54.5
	10	7	.4	4.5	59.1
	12	5	.3	3.2	62.3
	14	1	.1	.6	63.0
	15	8	.4	5.2	68.2
	16	1	.1	.6	68.8
	20	11	.6	7.1	76.0
	25	5	.3	3.2	79.2
	28	2	.1	1.3	80.5
	30	10	.5	6.5	87.0
	31	19	1.0	12.3	99.4
	Don't know	1	.1	.6	100.0
	Total	154	8.1	100.0	
Missing	System	1751	91.9		
Total		1905	100.0		

q13a_10 days fireplace used february 2003

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	32	1.7	20.8	20.8
	1	14	.7	9.1	29.9
	2	13	.7	8.4	38.3
	3	9	.5	5.8	44.2
	4	7	.4	4.5	48.7
	5	7	.4	4.5	53.2
	6	4	.2	2.6	55.8
	7	2	.1	1.3	57.1
	8	1	.1	.6	57.8
	10	11	.6	7.1	64.9
	12	5	.3	3.2	68.2
	14	1	.1	.6	68.8
	15	6	.3	3.9	72.7
	16	1	.1	.6	73.4
	20	10	.5	6.5	79.9
	25	3	.2	1.9	81.8
	27	1	.1	.6	82.5
	28	26	1.4	16.9	99.4
	Don't know	1	.1	.6	100.0
	Total	154	8.1	100.0	
Missing	System	1751	91.9		
Total		1905	100.0		

q13a_11 days fireplace used march 2003

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	72	3.8	46.8	46.8
	1	6	.3	3.9	50.6
	2	12	.6	7.8	58.4
	3	2	.1	1.3	59.7
	4	7	.4	4.5	64.3
	5	4	.2	2.6	66.9
	6	3	.2	1.9	68.8
	7	2	.1	1.3	70.1
	10	7	.4	4.5	74.7
	12	1	.1	.6	75.3
	14	1	.1	.6	76.0
	15	12	.6	7.8	83.8
	16	1	.1	.6	84.4
	20	2	.1	1.3	85.7
	25	3	.2	1.9	87.7
	26	1	.1	.6	88.3
	30	6	.3	3.9	92.2
	31	11	.6	7.1	99.4
	Don't know	1	.1	.6	100.0
	Total	154	8.1	100.0	
Missing	System	1751	91.9		
Total		1905	100.0		

q13a_12 days fireplace used april 2003

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	104	5.5	67.5	67.5
	1	8	.4	5.2	72.7
	2	8	.4	5.2	77.9
	3	3	.2	1.9	79.9
	4	1	.1	.6	80.5
	5	5	.3	3.2	83.8
	6	2	.1	1.3	85.1
	7	2	.1	1.3	86.4
	8	2	.1	1.3	87.7
	9	2	.1	1.3	89.0
	10	10	.5	6.5	95.5
	11	2	.1	1.3	96.8
	12	1	.1	.6	97.4
	15	1	.1	.6	98.1
	16	1	.1	.6	98.7
	30	1	.1	.6	99.4
	Don't know	1	.1	.6	100.0
	Total	154	8.1	100.0	
Missing	System	1751	91.9		
Total		1905	100.0		

q13s Fireplace/masonry heater used in each season

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Answer given	43	2.3	97.7	97.7
	Don't know	1	.1	2.3	100.0
	Total	44	2.3	100.0	
Missing	System	1861	97.7		
Total		1905	100.0		

q13so days fireplace used in spring

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1862	97.7	97.7	97.7
0	17	.9	.9	98.6
1	1	.1	.1	98.7
10	4	.2	.2	98.9
10 % of the three cords	1	.1	.1	99.0
14	1	.1	.1	99.0
25	1	.1	.1	99.1
3	1	.1	.1	99.1
30	2	.1	.1	99.2
4	1	.1	.1	99.3
60	1	.1	.1	99.3
DEPENDS ON THE TEMPERATURE, CANT GIVE AN ESTIMATE. WE DON'T BURN WOOD FOR HEAT, WE HAVE CENTRAL HEATING, WE DO IT FOR PLEASURE.	1	.1	.1	99.4
none	11	.6	.6	99.9
one cord	1	.1	.1	100.0
Total	1905	100.0	100.0	

q13so2 days fireplace used in summer

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1862	97.7	97.7	97.7
0	37	1.9	1.9	99.7
10	1	.1	.1	99.7
12	1	.1	.1	99.8
20	1	.1	.1	99.8
Don't know	1	.1	.1	99.9
three cords	1	.1	.1	99.9
two cords	1	.1	.1	100.0
Total	1905	100.0	100.0	

q13so3 days fireplace used in fall

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1862	97.7	97.7	97.7
0	13	.7	.7	98.4
1	2	.1	.1	98.5
10	2	.1	.1	98.6
15	1	.1	.1	98.7
2	2	.1	.1	98.8
20%	1	.1	.1	98.8
24	2	.1	.1	99.0
3	1	.1	.1	99.0
30	3	.2	.2	99.2
4	1	.1	.1	99.2
40	2	.1	.1	99.3
45% of the three cords	1	.1	.1	99.4
5	2	.1	.1	99.5
60	1	.1	.1	99.5
70	2	.1	.1	99.6
90 days, or every fall day.	1	.1	.1	99.7
Don't know	1	.1	.1	99.7
four cords	1	.1	.1	99.8
one-eighth of the cord	1	.1	.1	99.8
three quarters	1	.1	.1	99.9
two cord	1	.1	.1	99.9
two cords	1	.1	.1	100.0
Total	1905	100.0	100.0	

q13so4 days fireplace used in winter

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1862	97.7	97.7	97.7
0	3	.2	.2	97.9
1	2	.1	.1	98.0
10	2	.1	.1	98.1
115	1	.1	.1	98.2
12	1	.1	.1	98.2
2	3	.2	.2	98.4
20	2	.1	.1	98.5
3	2	.1	.1	98.6
36	1	.1	.1	98.6
4	1	.1	.1	98.7
40	1	.1	.1	98.7
45% of the three cords	1	.1	.1	98.8
5	3	.2	.2	99.0
70	2	.1	.1	99.1
80	1	.1	.1	99.1
85	1	.1	.1	99.2
90	3	.2	.2	99.3
90% of the time.	1	.1	.1	99.4
another one or two logs for xmas.	1	.1	.1	99.4
Don't know	1	.1	.1	99.5
half a face cord	1	.1	.1	99.5
once a week	1	.1	.1	99.6
one-eighth of a cord	1	.1	.1	99.6
one and a quarter cords.	1	.1	.1	99.7
one cord	1	.1	.1	99.7
quarter of a cord	1	.1	.1	99.8
six or seven logs	1	.1	.1	99.8
three cords	1	.1	.1	99.9
twenty days a month	1	.1	.1	99.9
two cords	1	.1	.1	100.0
Total	1905	100.0	100.0	

**q14a From May 2002 through April 2003, did you typically use your fireplace(s)
or masonry heater(s) to burn wood on:**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Weekdays	10	.5	5.0	5.0
Weekends	75	3.9	37.1	42.1
Weekdays and weekends	107	5.6	53.0	95.0
Don't know	10	.5	5.0	100.0
Total	202	10.6	100.0	
Missing System	1703	89.4		
Total	1905	100.0		

q14b From May 2002 through April 2003, did you typically use your fireplace(s) or masonry heater(s) to burn wood:

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	In the morning only	3	.2	3.2	3.2
	In the evening only	72	3.8	75.8	78.9
	Throughout the day and evening	20	1.0	21.1	100.0
	Total	95	5.0	100.0	
Missing	System	1810	95.0		
Total		1905	100.0		

q14c From May 2002 through April 2003, did you typically use your fireplace(s) or masonry heater(s) on weekdays and weekends to burn wood:

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	In the morning only	1	.1	.9	.9
	In the evening only	55	2.9	51.4	52.3
	Throughout the day and evening	51	2.7	47.7	100.0
	Total	107	5.6	100.0	
Missing	System	1798	94.4		
Total		1905	100.0		

Woodstove/fireplace inserts

q15 Is this wood stove or fireplace insert a catalytic device?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	49	2.6	20.6	20.6
	No	157	8.2	66.0	86.6
	Don't know	32	1.7	13.4	100.0
	Total	238	12.5	100.0	
Missing	System	1667	87.5		
Total		1905	100.0		

q16 Was your wood stove or fireplace insert purchased after July 1990?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	78	4.1	32.8	32.8
	No	145	7.6	60.9	93.7
	Don't know	15	.8	6.3	100.0
	Total	238	12.5	100.0	
Missing	System	1667	87.5		
Total		1905	100.0		

q17 What is the brand of your wood stove or fireplace insert?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Brand given	108	5.7	67.5	67.5
	Don't know	52	2.7	32.5	100.0
	Total	160	8.4	100.0	
Missing	System	1745	91.6		
Total		1905	100.0		

q17a What is the model of your wood stove or fireplace insert?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Model given	50	2.6	31.3	31.3
	Don't know	110	5.8	68.8	100.0
	Total	160	8.4	100.0	
Missing	System	1745	91.6		
Total		1905	100.0		

q18 I'd now like to ask you some questions about your second wood stove fireplace insert. Is this wood stove or fireplace insert a catalytic device?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	7	.4	24.1	24.1
	No	21	1.1	72.4	96.6
	Don't know	1	.1	3.4	100.0
	Total	29	1.5	100.0	
Missing	System	1876	98.5		
Total		1905	100.0		

q19 Was your wood stove or fireplace insert purchased after July 1990?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	10	.5	34.5	34.5
	No	18	.9	62.1	96.6
	Don't know	1	.1	3.4	100.0
	Total	29	1.5	100.0	
Missing	System	1876	98.5		
Total		1905	100.0		

q20 What is the brand of your wood stove or fireplace insert?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	10	.5	52.6	52.6
	Don't know	9	.5	47.4	100.0
	Total	19	1.0	100.0	
Missing	System	1886	99.0		
Total		1905	100.0		

q20_o brand wood stove specified

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid		1895	99.5	99.5	99.5
	American	1	.1	.1	99.5
	ATLANTA	1	.1	.1	99.6
	ben franklin	1	.1	.1	99.6
	Franklin	1	.1	.1	99.7
	hartford	1	.1	.1	99.7
	Ideal Clarion	1	.1	.1	99.8
	jotul	1	.1	.1	99.8
	Rite Way	1	.1	.1	99.9
	Scandia	1	.1	.1	99.9
	Suburban	1	.1	.1	100.0
	Total	1905	100.0	100.0	

q20a What is the model of your wood stove or fireplace insert?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	4	.2	21.1	21.1
	Don't know	15	.8	78.9	100.0
	Total	19	1.0	100.0	
Missing	System	1886	99.0		
Total		1905	100.0		

q20a model wood stove specified

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid		1901	99.8	99.8	99.8
	36 inch model	1	.1	.1	99.8
	hartford	1	.1	.1	99.9
	HOMESTEADER	1	.1	.1	99.9
	No.308	1	.1	.1	100.0
	Total	1905	100.0	100.0	

q21 Thinking back over the past year from May 2002 through April 2003, did you burn any real wood or artificial logs using your woodstove(s) or fireplace insert(s)? Would you say you burned:

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Real Wood	172	9.0	72.3	72.3
	Artificial Logs	3	.2	1.3	73.5
	Both types of wood	8	.4	3.4	76.9
	You did not burn any wood	55	2.9	23.1	100.0
	Total	238	12.5	100.0	
Missing	System	1667	87.5		
Total		1905	100.0		

q22 How much real wood would you say you burned?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	178	9.3	98.9	98.9
	Don't know	2	.1	1.1	100.0
	Total	180	9.4	100.0	
Missing	System	1725	90.6		
Total		1905	100.0		

q22a When you light a fire, about how many logs do you use?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	.1	50.0	50.0
	30	1	.1	50.0	100.0
	Total	2	.1	100.0	
Missing	System	1903	99.9		
Total		1905	100.0		

q22b How often do you light a fire?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	1	.1	50.0	50.0
	Don't know	1	.1	50.0	100.0
	Total	2	.1	100.0	
Missing	System	1903	99.9		
Total		1905	100.0		

q22b_o fires lit specified

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid		1904	99.9	99.9	99.9
	Daily for 6 months of the year. Generally not for the other 6 months.	1	.1	.1	100.0
	Total	1905	100.0	100.0	

q23_1 Did you burn Oak or hickory in your wood stove?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	61	3.2	33.9	33.9
	yes	119	6.2	66.1	100.0
	Total	180	9.4	100.0	
Missing	System	1725	90.6		
Total		1905	100.0		

q23_2 Did you burn Pine in your wood stove?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	152	8.0	84.4	84.4
	yes	28	1.5	15.6	100.0
	Total	180	9.4	100.0	
Missing	System	1725	90.6		
Total		1905	100.0		

q23_3 Did you burn Hemlock or spruce in your wood stove?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	164	8.6	91.1	91.1
	yes	16	.8	8.9	100.0
	Total	180	9.4	100.0	
Missing	System	1725	90.6		
Total		1905	100.0		

q23_4 Did you burn maple, beech or birch in your wood stove?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	70	3.7	38.9	38.9
	yes	110	5.8	61.1	100.0
	Total	180	9.4	100.0	
Missing	System	1725	90.6		
Total		1905	100.0		

q23_5 Did you burn other hardwood in your wood stove?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	121	6.4	67.2	67.2
	yes	59	3.1	32.8	100.0
	Total	180	9.4	100.0	
Missing	System	1725	90.6		
Total		1905	100.0		

q23_6 Did you burn other softwood in your wood stove?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	172	9.0	95.6	95.6
	yes	8	.4	4.4	100.0
	Total	180	9.4	100.0	
Missing	System	1725	90.6		
Total		1905	100.0		

q23_7 Did you burn other specified in your wood stove?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	160	8.4	88.9	88.9
	yes	20	1.0	11.1	100.0
	Total	180	9.4	100.0	
Missing	System	1725	90.6		
Total		1905	100.0		

q23_8 Don't know in your wood stove?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	180	9.4	100.0	100.0
Missing	System	1725	90.6		
Total		1905	100.0		

q23_9 Refused in your wood stove?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	180	9.4	100.0	100.0
Missing	System	1725	90.6		
Total		1905	100.0		

q24_1 What percent of 'first choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	2	.1	1.9	1.9
	5	7	.4	6.5	8.3
	10	7	.4	6.5	14.8
	15	2	.1	1.9	16.7
	20	10	.5	9.3	25.9
	25	9	.5	8.3	34.3
	30	4	.2	3.7	38.0
	33	1	.1	.9	38.9
	35	1	.1	.9	39.8
	40	4	.2	3.7	43.5
	45	2	.1	1.9	45.4
	50	24	1.3	22.2	67.6
	60	6	.3	5.6	73.1
	66	1	.1	.9	74.1
	70	2	.1	1.9	75.9
	75	4	.2	3.7	79.6
	80	8	.4	7.4	87.0
	85	1	.1	.9	88.0
	90	9	.5	8.3	96.3
	95	2	.1	1.9	98.1
	98	1	.1	.9	99.1
	99	1	.1	.9	100.0
	Total	108	5.7	100.0	
Missing	System	1797	94.3		
Total		1905	100.0		

q24_2 What percent of 'second choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1	.1	.9	.9
	1	2	.1	1.9	2.8
	2	4	.2	3.7	6.5
	4	1	.1	.9	7.4
	5	7	.4	6.5	13.9
	10	16	.8	14.8	28.7
	15	2	.1	1.9	30.6
	20	9	.5	8.3	38.9
	25	8	.4	7.4	46.3
	30	5	.3	4.6	50.9
	34	1	.1	.9	51.9
	40	7	.4	6.5	58.3
	45	1	.1	.9	59.3
	50	18	.9	16.7	75.9
	55	1	.1	.9	76.9
	60	5	.3	4.6	81.5
	65	2	.1	1.9	83.3
	67	1	.1	.9	84.3
	70	2	.1	1.9	86.1
	75	4	.2	3.7	89.8
	80	4	.2	3.7	93.5
	85	2	.1	1.9	95.4
	90	4	.2	3.7	99.1
	99	1	.1	.9	100.0
	Total	108	5.7	100.0	
Missing	System	1797	94.3		
Total		1905	100.0		

q24_3 What percent of 'third choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	2	.1	4.4	4.4
	3	2	.1	4.4	8.9
	4	1	.1	2.2	11.1
	5	6	.3	13.3	24.4
	10	8	.4	17.8	42.2
	15	2	.1	4.4	46.7
	18	1	.1	2.2	48.9
	20	2	.1	4.4	53.3
	24	1	.1	2.2	55.6
	25	2	.1	4.4	60.0
	30	3	.2	6.7	66.7
	35	1	.1	2.2	68.9
	40	3	.2	6.7	75.6
	50	4	.2	8.9	84.4
	55	1	.1	2.2	86.7
	60	1	.1	2.2	88.9
	73	1	.1	2.2	91.1
	75	3	.2	6.7	97.8
	85	1	.1	2.2	100.0
	Total	45	2.4	100.0	
Missing	System	1860	97.6		
Total		1905	100.0		

q24_4 What percent of 'fourth choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	1	.1	5.9	5.9
	5	1	.1	5.9	11.8
	7	1	.1	5.9	17.6
	10	2	.1	11.8	29.4
	15	1	.1	5.9	35.3
	20	2	.1	11.8	47.1
	25	2	.1	11.8	58.8
	35	2	.1	11.8	70.6
	45	1	.1	5.9	76.5
	50	1	.1	5.9	82.4
	70	1	.1	5.9	88.2
	74	1	.1	5.9	94.1
	75	1	.1	5.9	100.0
	Total	17	.9	100.0	
Missing	System	1888	99.1		
Total		1905	100.0		

q24_5 What percent of 'fifth choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1	.1	14.3	14.3
	4	2	.1	28.6	42.9
	5	1	.1	14.3	57.1
	20	2	.1	28.6	85.7
	35	1	.1	14.3	100.0
	Total	7	.4	100.0	
Missing	System	1898	99.6		
Total		1905	100.0		

q24_6 What percent of 'sixth choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1	.1	33.3	33.3
	1	1	.1	33.3	66.7
	4	1	.1	33.3	100.0
	Total	3	.2	100.0	
Missing	System	1902	99.8		
Total		1905	100.0		

q24_7 What percent of 'seventh choice' did you burn?

	Frequency	Percent
Missing System	1905	100.0

q25 How much artificial wood would you say you burned?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	10	.5	90.9	90.9
	8	1	.1	9.1	100.0
	Total	11	.6	100.0	
Missing	System	1894	99.4		
Total		1905	100.0		

q25_o how often have fire specified

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1895	99.5	99.5	99.5
12 FIVE POUND LOGS	1	.1	.1	99.5
12 LOGS	1	.1	.1	99.6
4 CASES	1	.1	.1	99.6
4 LOGS	1	.1	.1	99.7
6 IN A BOX, 12 BOXES OR 72 LOGS.	1	.1	.1	99.7
8 LOGS	1	.1	.1	99.8
8 TO 10 LOGS	1	.1	.1	99.8
BURNT ARTIFICIAL LOGS THAT ARE MADE OUT OF SAWDUST-BURNED ONE BOX	1	.1	.1	99.9
HALF A DOZEN	1	.1	.1	99.9
HALF A TON MAYBE	1	.1	.1	100.0
Total	1905	100.0	100.0	

q25a When you light a fire, about how much artificial wood do you use?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 3	1	.1	100.0	100.0
Missing System	1904	99.9		
Total	1905	100.0		

q25b How often do you have a fire?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1904	99.9	99.9	99.9
once aweek sometimes twice	1	.1	.1	100.0
Total	1905	100.0	100.0	

q25_B If respondent says that the unit of measure is a box or a case?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Yes, said box	4	.2	40.0	40.0
No, did not say box	6	.3	60.0	100.0
Total	10	.5	100.0	
Missing System	1895	99.5		
Total	1905	100.0		

q25_BN How many logs was that?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	6	2	.1	50.0	50.0
	12	1	.1	25.0	75.0
	72	1	.1	25.0	100.0
	Total	4	.2	100.0	
Missing	System	1901	99.8		
Total		1905	100.0		

q26 How many days were your wood stove(s) or fireplace insert(s) used in May 2002? How about June 2002?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Days	143	7.5	78.1	78.1
	Seasons	38	2.0	20.8	98.9
	Don't know	1	.1	.5	99.5
	Refused	1	.1	.5	100.0
	Total	183	9.6	100.0	
Missing	System	1722	90.4		
Total		1905	100.0		

q26a_1 days woodstove used may 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	109	5.7	76.2	76.2
	2	3	.2	2.1	78.3
	3	3	.2	2.1	80.4
	4	1	.1	.7	81.1
	5	5	.3	3.5	84.6
	6	1	.1	.7	85.3
	7	1	.1	.7	86.0
	8	1	.1	.7	86.7
	10	9	.5	6.3	93.0
	14	1	.1	.7	93.7
	15	2	.1	1.4	95.1
	20	2	.1	1.4	96.5
	21	1	.1	.7	97.2
	25	1	.1	.7	97.9
	31	2	.1	1.4	99.3
	Don't know	1	.1	.7	100.0
	Total	143	7.5	100.0	
Missing	System	1762	92.5		
Total		1905	100.0		

q26a_2 days woodstove used june 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	135	7.1	94.4	94.4
	1	1	.1	.7	95.1
	2	1	.1	.7	95.8
	5	1	.1	.7	96.5
	7	1	.1	.7	97.2
	10	1	.1	.7	97.9
	25	1	.1	.7	98.6
	30	1	.1	.7	99.3
	Don't know	1	.1	.7	100.0
	Total	143	7.5	100.0	
Missing	System	1762	92.5		
Total		1905	100.0		

q26a_3 days woodstove used july 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	140	7.3	97.9	97.9
	10	1	.1	.7	98.6
	25	1	.1	.7	99.3
	Don't know	1	.1	.7	100.0
	Total	143	7.5	100.0	
Missing	System	1762	92.5		
Total		1905	100.0		

q26a_4 days woodstove used august 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	140	7.3	97.9	97.9
	10	1	.1	.7	98.6
	25	1	.1	.7	99.3
	Don't know	1	.1	.7	100.0
	Total	143	7.5	100.0	
Missing	System	1762	92.5		
Total		1905	100.0		

q26a_5 days woodstove used september 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	112	5.9	78.3	78.3
	1	1	.1	.7	79.0
	2	5	.3	3.5	82.5
	3	2	.1	1.4	83.9
	5	4	.2	2.8	86.7
	7	2	.1	1.4	88.1
	10	7	.4	4.9	93.0
	15	3	.2	2.1	95.1
	20	2	.1	1.4	96.5
	25	1	.1	.7	97.2
	30	3	.2	2.1	99.3
	Don't know	1	.1	.7	100.0
	Total	143	7.5	100.0	
Missing	System	1762	92.5		
Total		1905	100.0		

q26a_6 days woodstove used october 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	58	3.0	40.6	40.6
	1	1	.1	.7	41.3
	2	5	.3	3.5	44.8
	3	3	.2	2.1	46.9
	4	4	.2	2.8	49.7
	5	8	.4	5.6	55.2
	6	4	.2	2.8	58.0
	7	5	.3	3.5	61.5
	8	1	.1	.7	62.2
	10	15	.8	10.5	72.7
	15	13	.7	9.1	81.8
	16	1	.1	.7	82.5
	20	6	.3	4.2	86.7
	25	2	.1	1.4	88.1
	30	9	.5	6.3	94.4
	31	6	.3	4.2	98.6
	Don't know	2	.1	1.4	100.0
	Total	143	7.5	100.0	
Missing	System	1762	92.5		
Total		1905	100.0		

q26a_7 days woodstove used november 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	26	1.4	18.2	18.2
	1	6	.3	4.2	22.4
	2	8	.4	5.6	28.0
	3	2	.1	1.4	29.4
	4	3	.2	2.1	31.5
	5	2	.1	1.4	32.9
	6	3	.2	2.1	35.0
	7	3	.2	2.1	37.1
	8	2	.1	1.4	38.5
	10	9	.5	6.3	44.8
	15	10	.5	7.0	51.7
	20	12	.6	8.4	60.1
	21	1	.1	.7	60.8
	25	5	.3	3.5	64.3
	28	2	.1	1.4	65.7
	30	49	2.6	34.3	100.0
	Total	143	7.5	100.0	
Missing	System	1762	92.5		
Total		1905	100.0		

q26a_8 days woodstove used december 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	13	.7	9.1	9.1
	1	2	.1	1.4	10.5
	2	11	.6	7.7	18.2
	3	4	.2	2.8	21.0
	4	2	.1	1.4	22.4
	5	3	.2	2.1	24.5
	7	3	.2	2.1	26.6
	8	4	.2	2.8	29.4
	10	9	.5	6.3	35.7
	12	1	.1	.7	36.4
	14	1	.1	.7	37.1
	15	9	.5	6.3	43.4
	18	1	.1	.7	44.1
	20	8	.4	5.6	49.7
	25	6	.3	4.2	53.8
	28	3	.2	2.1	55.9
	30	24	1.3	16.8	72.7
	31	39	2.0	27.3	100.0
	Total	143	7.5	100.0	
Missing	System	1762	92.5		
Total		1905	100.0		

q26a_9 days woodstove used january 2003

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	7	.4	4.9	4.9
	1	1	.1	.7	5.6
	2	12	.6	8.4	14.0
	4	7	.4	4.9	18.9
	5	4	.2	2.8	21.7
	6	2	.1	1.4	23.1
	7	4	.2	2.8	25.9
	8	4	.2	2.8	28.7
	10	6	.3	4.2	32.9
	12	1	.1	.7	33.6
	15	8	.4	5.6	39.2
	17	1	.1	.7	39.9
	18	1	.1	.7	40.6
	20	7	.4	4.9	45.5
	21	1	.1	.7	46.2
	25	7	.4	4.9	51.0
	28	4	.2	2.8	53.8
	30	27	1.4	18.9	72.7
	31	39	2.0	27.3	100.0
	Total	143	7.5	100.0	
Missing	System	1762	92.5		
Total		1905	100.0		

q26a_10 days woodstove used february 2003

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	12	.6	8.4	8.4
	1	3	.2	2.1	10.5
	2	9	.5	6.3	16.8
	3	1	.1	.7	17.5
	4	4	.2	2.8	20.3
	5	7	.4	4.9	25.2
	6	2	.1	1.4	26.6
	7	2	.1	1.4	28.0
	8	5	.3	3.5	31.5
	10	8	.4	5.6	37.1
	15	9	.5	6.3	43.4
	17	1	.1	.7	44.1
	18	1	.1	.7	44.8
	20	8	.4	5.6	50.3
	21	1	.1	.7	51.0
	25	5	.3	3.5	54.5
	26	1	.1	.7	55.2
	28	64	3.4	44.8	100.0
	Total	143	7.5	100.0	
Missing	System	1762	92.5		
Total		1905	100.0		

q26a_11 days woodstove used march 2003

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	32	1.7	22.4	22.4
	1	2	.1	1.4	23.8
	2	6	.3	4.2	28.0
	3	2	.1	1.4	29.4
	4	5	.3	3.5	32.9
	5	6	.3	4.2	37.1
	6	1	.1	.7	37.8
	7	1	.1	.7	38.5
	8	1	.1	.7	39.2
	10	11	.6	7.7	46.9
	15	8	.4	5.6	52.4
	20	8	.4	5.6	58.0
	21	2	.1	1.4	59.4
	25	12	.6	8.4	67.8
	28	1	.1	.7	68.5
	30	19	1.0	13.3	81.8
	31	26	1.4	18.2	100.0
	Total	143	7.5	100.0	
Missing	System	1762	92.5		
Total		1905	100.0		

q26a_12 days woodstove used april 2003

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	51	2.7	35.7	35.7
	1	11	.6	7.7	43.4
	2	10	.5	7.0	50.3
	3	3	.2	2.1	52.4
	4	9	.5	6.3	58.7
	5	5	.3	3.5	62.2
	6	3	.2	2.1	64.3
	7	6	.3	4.2	68.5
	8	6	.3	4.2	72.7
	9	2	.1	1.4	74.1
	10	13	.7	9.1	83.2
	11	1	.1	.7	83.9
	12	1	.1	.7	84.6
	13	2	.1	1.4	86.0
	14	4	.2	2.8	88.8
	15	7	.4	4.9	93.7
	20	2	.1	1.4	95.1
	21	1	.1	.7	95.8
	30	6	.3	4.2	100.0
	Total	143	7.5	100.0	
Missing	System	1762	92.5		
Total		1905	100.0		

q26S How did you typically use your wood stove(s) or fireplace insert(s) in each season?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Answer given	38	2.0	100.0	100.0
Missing	System	1867	98.0		
Total		1905	100.0		

q26so days woodstove used in spring

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1867	98.0	98.0	98.0
0	21	1.1	1.1	99.1
10	2	.1	.1	99.2
14	1	.1	.1	99.3
15	1	.1	.1	99.3
3	1	.1	.1	99.4
30	2	.1	.1	99.5
31	2	.1	.1	99.6
70	1	.1	.1	99.6
five logs	1	.1	.1	99.7
half a cord	2	.1	.1	99.8
one cord	1	.1	.1	99.8
one third of a cord	1	.1	.1	99.9
quarter of a cord	1	.1	.1	99.9
very little, say 10 percent	1	.1	.1	100.0
Total	1905	100.0	100.0	

q26so2 days woodstove used in summer

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1867	98.0	98.0	98.0
0	30	1.6	1.6	99.6
31	2	.1	.1	99.7
5 percent	1	.1	.1	99.7
five logs	1	.1	.1	99.8
none	3	.2	.2	99.9
two cords	1	.1	.1	100.0
Total	1905	100.0	100.0	

q26so3 days woodstove used in fall

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1867	98.0	98.0	98.0
0	10	.5	.5	98.5
1	1	.1	.1	98.6
10	1	.1	.1	98.6
15	3	.2	.2	98.8
20 %	1	.1	.1	98.8
3	1	.1	.1	98.9
30	4	.2	.2	99.1
40	1	.1	.1	99.2
5	1	.1	.1	99.2
6	1	.1	.1	99.3
63	1	.1	.1	99.3
70	2	.1	.1	99.4
90	2	.1	.1	99.5
a half a cord	1	.1	.1	99.6
another third of a cord	1	.1	.1	99.6
half a cord	1	.1	.1	99.7
one cord	2	.1	.1	99.8
one/eighth of a cord	1	.1	.1	99.8
quarter of a cord	1	.1	.1	99.9
THREE TIMES FROM NOVEMBER TO THE END OF FEB.	1	.1	.1	99.9
two cords	1	.1	.1	100.0
Total	1905	100.0	100.0	

q26so4 days woodstove used in winter

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1867	98.0	98.0	98.0
0	2	.1	.1	98.1
100	1	.1	.1	98.2
115	1	.1	.1	98.2
15	2	.1	.1	98.3
2	1	.1	.1	98.4
3	1	.1	.1	98.4
30	2	.1	.1	98.5
31	2	.1	.1	98.6
36	1	.1	.1	98.7
4	1	.1	.1	98.7
60	1	.1	.1	98.8
65%	1	.1	.1	98.8
70	2	.1	.1	99.0
75	1	.1	.1	99.0
90	4	.2	.2	99.2
a few days	1	.1	.1	99.3
all the time again	1	.1	.1	99.3
cord and a half	1	.1	.1	99.4
half a face cord	1	.1	.1	99.4
one and half cords	1	.1	.1	99.5
one cord	3	.2	.2	99.6
one eighth of a cord.	1	.1	.1	99.7
the last third of the cord	1	.1	.1	99.7
three quarters of a cord	1	.1	.1	99.8
THREE TIMES FROM NOV TO END OF FEB	1	.1	.1	99.8
two and half cords	1	.1	.1	99.9
two cords	1	.1	.1	99.9
when it got really cold, once or twice a week	1	.1	.1	100.0
Total	1905	100.0	100.0	

q27a From May 2002 through April 2003, did you typically use your wood stove(s) or fireplace insert(s) to burn wood on?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid				
Weekdays	5	.3	2.7	2.7
Weekends	25	1.3	13.7	16.4
Weekdays and weekends	150	7.9	82.0	98.4
Don't know	3	.2	1.6	100.0
Total	183	9.6	100.0	
Missing				
System	1722	90.4		
Total	1905	100.0		

q27b From May 2002 through April 2003, did you typically use your wood stove(s) or fireplace insert(s) to burn wood?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	In the morning only	4	.2	12.1	12.1
	In the evening only	16	.8	48.5	60.6
	Throughout the day and evening	13	.7	39.4	100.0
	Total	33	1.7	100.0	
Missing	System	1872	98.3		
Total		1905	100.0		

q27c From May 2002 through April 2003, did you typically use your wood stove(s) or fireplace insert(s) on weekdays and weekends to burn wood?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	In the morning only	8	.4	5.3	5.3
	In the evening only	40	2.1	26.7	32.0
	Throughout the day and evening	101	5.3	67.3	99.3
	Don't know	1	.1	.7	100.0
	Total	150	7.9	100.0	
Missing	System	1755	92.1		
Total		1905	100.0		

Pellet stoves

q28 Did you use your pellet stove(s) from May 2002 through April 2003?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	14	.7	73.7	73.7
	No	4	.2	21.1	94.7
	Don't know	1	.1	5.3	100.0
	Total	19	1.0	100.0	
Missing	System	1886	99.0		
Total		1905	100.0		

q29 How many 20-pound bags of pellet fuel did you use from May 2002 through April 2003?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	8	.4	57.1	57.1
	1	1	.1	7.1	64.3
	3	1	.1	7.1	71.4
	4	1	.1	7.1	78.6
	40	1	.1	7.1	85.7
	Don't know	2	.1	14.3	100.0
	Total	14	.7	100.0	
Missing	System	1891	99.3		
Total		1905	100.0		

q29b How many 40-pound bags of pellet fuel did you use from May 2002 through April 2003?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	7	.4	50.0	50.0
	2	1	.1	7.1	57.1
	25	1	.1	7.1	64.3
	35	1	.1	7.1	71.4
	50	1	.1	7.1	78.6
	150	1	.1	7.1	85.7
	Don't know	2	.1	14.3	100.0
	Total	14	.7	100.0	
Missing	System	1891	99.3		
Total		1905	100.0		

q29c How many 50-pound bags of pellet fuel did you use from May 2002 through April 2003?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	11	.6	78.6	78.6
	20	1	.1	7.1	85.7
	Don't know	2	.1	14.3	100.0
	Total	14	.7	100.0	
Missing	System	1891	99.3		
Total		1905	100.0		

q29d How many tons of pellet fuel did you use?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	.0	5	.3	35.7	35.7
	1.0	1	.1	7.1	42.9
	1.5	1	.1	7.1	50.0
	2.0	1	.1	7.1	57.1
	3.0	1	.1	7.1	64.3
	4.0	1	.1	7.1	71.4
	5.0	1	.1	7.1	78.6
	7.0	1	.1	7.1	85.7
	Don't know	2	.1	14.3	100.0
	Total	14	.7	100.0	
Missing	System	1891	99.3		
Total		1905	100.0		

q30 How many days were your pellet stove(s) used in May 2002? How about June 2002?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Days	11	.6	78.6	78.6
	Seasons	2	.1	14.3	92.9
	Don't know	1	.1	7.1	100.0
	Total	14	.7	100.0	
Missing	System	1891	99.3		
Total		1905	100.0		

q30a_1 days pellet stove(s) used may 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	8	.4	72.7	72.7
	4	1	.1	9.1	81.8
	5	1	.1	9.1	90.9
	31	1	.1	9.1	100.0
	Total	11	.6	100.0	
Missing	System	1894	99.4		
Total		1905	100.0		

q30a_2 days pellet stove(s) used june 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	10	.5	90.9	90.9
	4	1	.1	9.1	100.0
	Total	11	.6	100.0	
Missing	System	1894	99.4		
Total		1905	100.0		

q30a_3 days pellet stove(s) used july 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	10	.5	90.9	90.9
	4	1	.1	9.1	100.0
	Total	11	.6	100.0	
Missing	System	1894	99.4		
Total		1905	100.0		

q30a_4 days pellet stove(s) used august 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	10	.5	90.9	90.9
	4	1	.1	9.1	100.0
	Total	11	.6	100.0	
Missing	System	1894	99.4		
Total		1905	100.0		

q30a_5 days pellet stove(s) used september 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	10	.5	90.9	90.9
	4	1	.1	9.1	100.0
	Total	11	.6	100.0	
Missing	System	1894	99.4		
Total		1905	100.0		

q30a_6 days pellet stove(s) used october 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	5	.3	45.5	45.5
	4	1	.1	9.1	54.5
	5	1	.1	9.1	63.6
	10	1	.1	9.1	72.7
	15	2	.1	18.2	90.9
	31	1	.1	9.1	100.0
	Total	11	.6	100.0	
Missing	System	1894	99.4		
Total		1905	100.0		

q30a_7 days pellet stove(s) used november 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	2	.1	18.2	18.2
	5	1	.1	9.1	27.3
	15	1	.1	9.1	36.4
	20	1	.1	9.1	45.5
	30	6	.3	54.5	100.0
	Total	11	.6	100.0	
Missing	System	1894	99.4		
Total		1905	100.0		

q30a_8 days pellet stove(s) used december 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	1	.1	9.1	9.1
	5	1	.1	9.1	18.2
	10	1	.1	9.1	27.3
	15	1	.1	9.1	36.4
	30	2	.1	18.2	54.5
	31	5	.3	45.5	100.0
	Total	11	.6	100.0	
Missing	System	1894	99.4		
Total		1905	100.0		

q30a_9 days pellet stove(s) used january 2003

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	1	.1	9.1	9.1
	10	1	.1	9.1	18.2
	14	1	.1	9.1	27.3
	15	1	.1	9.1	36.4
	30	3	.2	27.3	63.6
	31	4	.2	36.4	100.0
	Total	11	.6	100.0	
Missing	System	1894	99.4		
Total		1905	100.0		

q30a_10 days pellet stove(s) used february 2003

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	1	.1	9.1	9.1
	5	1	.1	9.1	18.2
	12	1	.1	9.1	27.3
	14	1	.1	9.1	36.4
	28	7	.4	63.6	100.0
	Total	11	.6	100.0	
Missing	System	1894	99.4		
Total		1905	100.0		

q30a_11 days pellet stove(s) used march 2003

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	2	.1	18.2	18.2
	4	1	.1	9.1	27.3
	10	1	.1	9.1	36.4
	20	1	.1	9.1	45.5
	30	2	.1	18.2	63.6
	31	4	.2	36.4	100.0
	Total	11	.6	100.0	
Missing	System	1894	99.4		
Total		1905	100.0		

q30a_12 days pellet stove(s) used april 2003

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	3	.2	27.3	27.3
	2	1	.1	9.1	36.4
	4	1	.1	9.1	45.5
	6	2	.1	18.2	63.6
	9	1	.1	9.1	72.7
	11	1	.1	9.1	81.8
	15	1	.1	9.1	90.9
	Don't know	1	.1	9.1	100.0
	Total	11	.6	100.0	
Missing	System	1894	99.4		
Total		1905	100.0		

q30S How did you typically use your pellet stove(s) in each season?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Answer given	2	.1	100.0	100.0
Missing	System	1903	99.9		
Total		1905	100.0		

q30so days woodstove used in spring

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1903	99.9	99.9	99.9
0	2	.1	.1	100.0
Total	1905	100.0	100.0	

q30so2 days woodstove used in summer

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1903	99.9	99.9	99.9
0	2	.1	.1	100.0
Total	1905	100.0	100.0	

q30so3 days woodstove used in fall

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1903	99.9	99.9	99.9
0	1	.1	.1	99.9
14	1	.1	.1	100.0
Total	1905	100.0	100.0	

q30so4 days woodstove used in winter

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1903	99.9	99.9	99.9
0	1	.1	.1	99.9
6	1	.1	.1	100.0
Total	1905	100.0	100.0	

q31a From May 2002 through April 2003, did you typically use your pellet stove(s) to burn pellets on?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Weekdays	1	.1	7.1	7.1
Weekends	2	.1	14.3	21.4
Weekdays and weekends	11	.6	78.6	100.0
Total	14	.7	100.0	
Missing System	1891	99.3		
Total	1905	100.0		

q31b From May 2002 through April 2003, did you typically use your pellet stove(s) to burn pellets?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	In the evening only	1	.1	33.3	33.3
	Throughout the day and evening	2	.1	66.7	100.0
	Total	3	.2	100.0	
Missing	System	1902	99.8		
Total		1905	100.0		

q31c From May 2002 through April 2003, did you typically use your pellet stove(s) on weekdays and weekends to burn pellets on?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	In the morning only	1	.1	9.1	9.1
	In the evening only	2	.1	18.2	27.3
	Throughout the day and evening	8	.4	72.7	100.0
	Total	11	.6	100.0	
Missing	System	1894	99.4		
Total		1905	100.0		

Wood furnaces/boilers

q32 Would you say you burned?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Real Wood	27	1.4	65.9	65.9
	You did not burn any wood	14	.7	34.1	100.0
	Total	41	2.2	100.0	
Missing	System	1864	97.8		
Total		1905	100.0		

q33a When you light a fire, about how many logs do you use?

	Frequency	Percent
Missing System	1905	100.0

q33b How often do you light a fire?

	Frequency	Percent
Missing System	1905	100.0

q33b_o how much real wood burned specified

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1905	100.0	100.0	100.0

q34_1 days woodstove used may 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	12	.6	44.4	44.4
	1	15	.8	55.6	100.0
	Total	27	1.4	100.0	
Missing	System	1878	98.6		
Total		1905	100.0		

q34_2 days woodstove used june 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	22	1.2	81.5	81.5
	1	5	.3	18.5	100.0
	Total	27	1.4	100.0	
Missing	System	1878	98.6		
Total		1905	100.0		

q34_3 days woodstove used july 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	23	1.2	85.2	85.2
	1	4	.2	14.8	100.0
	Total	27	1.4	100.0	
Missing	System	1878	98.6		
Total		1905	100.0		

q34_4 days woodstove used august 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	6	.3	22.2	22.2
	1	21	1.1	77.8	100.0
	Total	27	1.4	100.0	
Missing	System	1878	98.6		
Total		1905	100.0		

q34_5 days woodstove used september 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	15	.8	55.6	55.6
	1	12	.6	44.4	100.0
	Total	27	1.4	100.0	
Missing	System	1878	98.6		
Total		1905	100.0		

q34_6 days woodstove used october 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	25	1.3	92.6	92.6
	1	2	.1	7.4	100.0
	Total	27	1.4	100.0	
Missing	System	1878	98.6		
Total		1905	100.0		

q34_7 days woodstove used november 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	25	1.3	92.6	92.6
	1	2	.1	7.4	100.0
	Total	27	1.4	100.0	
Missing	System	1878	98.6		
Total		1905	100.0		

q34_8 days woodstove used december 2002

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	27	1.4	100.0	100.0
Missing	System	1878	98.6		
Total		1905	100.0		

q34_9 days woodstove used january 2003

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	27	1.4	100.0	100.0
Missing	System	1878	98.6		
Total		1905	100.0		

q34_10 days woodstove used february 2003

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	27	1.4	100.0	100.0
Missing	System	1878	98.6		
Total		1905	100.0		

q35_1 What percent of 'first choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	5	1	.1	5.9	5.9
	10	2	.1	11.8	17.6
	20	3	.2	17.6	35.3
	25	1	.1	5.9	41.2
	30	1	.1	5.9	47.1
	33	1	.1	5.9	52.9
	34	1	.1	5.9	58.8
	50	6	.3	35.3	94.1
	60	1	.1	5.9	100.0
	Total	17	.9	100.0	
Missing	System	1888	99.1		
Total		1905	100.0		

q35_2 What percent of 'second choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	2	.1	11.8	11.8
	10	3	.2	17.6	29.4
	20	1	.1	5.9	35.3
	25	1	.1	5.9	41.2
	33	2	.1	11.8	52.9
	50	4	.2	23.5	76.5
	70	1	.1	5.9	82.4
	80	1	.1	5.9	88.2
	90	2	.1	11.8	100.0
	Total	17	.9	100.0	
Missing	System	1888	99.1		
Total		1905	100.0		

q35_3 What percent of 'third choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	5	2	.1	16.7	16.7
	10	2	.1	16.7	33.3
	20	2	.1	16.7	50.0
	25	2	.1	16.7	66.7
	33	1	.1	8.3	75.0
	34	1	.1	8.3	83.3
	40	1	.1	8.3	91.7
	49	1	.1	8.3	100.0
	Total	12	.6	100.0	
Missing	System	1893	99.4		
Total		1905	100.0		

q35_4 What percent of 'fourth choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	20	1	.1	25.0	25.0
	30	1	.1	25.0	50.0
	50	1	.1	25.0	75.0
	74	1	.1	25.0	100.0
	Total	4	.2	100.0	
Missing	System	1901	99.8		
Total		1905	100.0		

q35_5 What percent of 'fifth choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	10	1	.1	100.0	100.0
Missing	System	1904	99.9		
Total		1905	100.0		

q35_6 What percent of 'sixth choice' did you burn?

	Frequency	Percent
Missing System	1905	100.0

q35_7 What percent of 'seventh choice' did you burn?

	Frequency	Percent
Missing System	1905	100.0

q35_8 What percent of don't know did you burn?

	Frequency	Percent
Missing System	1905	100.0

q35_9 What percent of refused did you burn?

	Frequency	Percent
Missing System	1905	100.0

q36 How much artificial wood would you say you burned?

	Frequency	Percent
Missing System	1905	100.0

q36_o How much artificial wood burned - specified?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1905	100.0	100.0	100.0

q36_B If respondent says that the unit of measure is a box or a case?

	Frequency	Percent
Missing System	1905	100.0

q37_BN How many logs was that?

	Frequency	Percent
Missing System	1905	100.0

q37 How many days were your wood furnaces(s) or boiler(s) used in May 2002? How about June 2002?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Days	19	1.0	70.4	70.4
	Seasons	8	.4	29.6	100.0
	Total	27	1.4	100.0	
Missing	System	1878	98.6		
Total		1905	100.0		

q37a_1 How many days were your wood furnaces(s) used in May 2002?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	15	.8	78.9	78.9
	10	1	.1	5.3	84.2
	14	1	.1	5.3	89.5
	15	1	.1	5.3	94.7
	31	1	.1	5.3	100.0
	Total	19	1.0	100.0	
Missing	System	1886	99.0		
Total		1905	100.0		

q37a_2 How many days were your wood furnaces(s) used in June 2002?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	18	.9	94.7	94.7
	30	1	.1	5.3	100.0
	Total	19	1.0	100.0	
Missing	System	1886	99.0		
Total		1905	100.0		

q37a_3 How many days were your wood furnaces(s) used in July 2002?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	18	.9	94.7	94.7
	31	1	.1	5.3	100.0
	Total	19	1.0	100.0	
Missing	System	1886	99.0		
Total		1905	100.0		

q37a_4 How many days were your wood furnaces(s) used in August 2002?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	17	.9	89.5	89.5
	5	1	.1	5.3	94.7
	31	1	.1	5.3	100.0
	Total	19	1.0	100.0	
Missing	System	1886	99.0		
Total		1905	100.0		

q37a_5 How many days were your wood furnaces(s) used in September 2002?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	15	.8	78.9	78.9
	10	2	.1	10.5	89.5
	30	2	.1	10.5	100.0
	Total	19	1.0	100.0	
Missing	System	1886	99.0		
Total		1905	100.0		

q37a_6 How many days were your wood furnaces(s) used in October 2002?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	9	.5	47.4	47.4
	5	1	.1	5.3	52.6
	8	1	.1	5.3	57.9
	10	2	.1	10.5	68.4
	15	1	.1	5.3	73.7
	25	1	.1	5.3	78.9
	30	1	.1	5.3	84.2
	31	3	.2	15.8	100.0
	Total	19	1.0	100.0	
Missing	System	1886	99.0		
Total		1905	100.0		

q37a_7 How many days were your wood furnaces(s) used in November 2002?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	5	.3	26.3	26.3
	1	1	.1	5.3	31.6
	12	1	.1	5.3	36.8
	20	1	.1	5.3	42.1
	25	1	.1	5.3	47.4
	30	9	.5	47.4	94.7
	Don't know	1	.1	5.3	100.0
	Total	19	1.0	100.0	
Missing	System	1886	99.0		
Total		1905	100.0		

q37a_8 How many days were your wood furnaces(s) used in December 2002?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	3	.2	15.8	15.8
	10	2	.1	10.5	26.3
	12	1	.1	5.3	31.6
	30	2	.1	10.5	42.1
	31	10	.5	52.6	94.7
	Don't know	1	.1	5.3	100.0
	Total	19	1.0	100.0	
Missing	System	1886	99.0		
Total		1905	100.0		

q37a_9 How many days were your wood furnaces(s) used in January 2003?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1	.1	5.3	5.3
	1	1	.1	5.3	10.5
	10	2	.1	10.5	21.1
	12	1	.1	5.3	26.3
	15	1	.1	5.3	31.6
	28	2	.1	10.5	42.1
	31	11	.6	57.9	100.0
	Total	19	1.0	100.0	
Missing	System	1886	99.0		
Total		1905	100.0		

q37a_10 How many days were your wood furnaces(s) used in February 2003?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	3	.2	15.8	15.8
	10	1	.1	5.3	21.1
	12	1	.1	5.3	26.3
	13	1	.1	5.3	31.6
	15	1	.1	5.3	36.8
	28	12	.6	63.2	100.0
	Total	19	1.0	100.0	
Missing	System	1886	99.0		
Total		1905	100.0		

q37a_11 How many days were your wood furnaces(s) used in March 2003?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	4	.2	21.1	21.1
	5	1	.1	5.3	26.3
	10	1	.1	5.3	31.6
	12	1	.1	5.3	36.8
	13	1	.1	5.3	42.1
	20	1	.1	5.3	47.4
	25	1	.1	5.3	52.6
	30	1	.1	5.3	57.9
	31	8	.4	42.1	100.0
	Total	19	1.0	100.0	
Missing	System	1886	99.0		
Total		1905	100.0		

q37a_12 How many days were your wood furnaces(s) used in April 2003?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	5	.3	26.3	26.3
	4	2	.1	10.5	36.8
	6	3	.2	15.8	52.6
	7	1	.1	5.3	57.9
	9	1	.1	5.3	63.2
	10	3	.2	15.8	78.9
	13	2	.1	10.5	89.5
	16	1	.1	5.3	94.7
	30	1	.1	5.3	100.0
	Total	19	1.0	100.0	
Missing	System	1886	99.0		
Total		1905	100.0		

q37a_13 How many days were your wood furnaces(s) used in May 2003?

	Frequency	Percent
Missing System	1905	100.0

q37a1 When you have a fire, how many artificial logs do you use?

	Frequency	Percent
Missing System	1905	100.0

q37a2 How often do you light a fire?

	Frequency	Percent
Missing System	1905	100.0

q37a2_o How often do you light a fire - specified?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1905	100.0	100.0	100.0

q37s How did you typically use your wood furnace?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Answer given	8	.4	100.0	100.0
Missing System	1897	99.6		
Total	1905	100.0		

q37so days woodstove used in spring

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1897	99.6	99.6	99.6
0	5	.3	.3	99.8
10	1	.1	.1	99.9
5	1	.1	.1	99.9
half a ton	1	.1	.1	100.0
Total	1905	100.0	100.0	

q37so2 days woodstove used in summer

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1897	99.6	99.6	99.6
0	8	.4	.4	100.0
Total	1905	100.0	100.0	

q37so3 days woodstove used in fall

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1897	99.6	99.6	99.6
0	2	.1	.1	99.7
40	1	.1	.1	99.7
5	1	.1	.1	99.8
63	1	.1	.1	99.8
90	1	.1	.1	99.9
half a cord	1	.1	.1	99.9
one ton	1	.1	.1	100.0
Total	1905	100.0	100.0	

q37so4 days woodstove used in winter

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1897	99.6	99.6	99.6
10	1	.1	.1	99.6
120	1	.1	.1	99.7
35	1	.1	.1	99.7
45	1	.1	.1	99.8
60	1	.1	.1	99.8
75	1	.1	.1	99.9
one and half cords	1	.1	.1	99.9
two and half tons	1	.1	.1	100.0
Total	1905	100.0	100.0	

q38a From May 2002 through April 2003, did you typically use your wood furnace(s) or boiler(s) to burn wood on?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Weekdays	2	.1	7.4	7.4
Weekends	1	.1	3.7	11.1
Weekdays and weekends	24	1.3	88.9	100.0
Total	27	1.4	100.0	
Missing System	1878	98.6		
Total	1905	100.0		

q38b From May 2002 through April 2003, did you typically use your wood furnace(s) or boiler(s) to burn wood?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid In the morning only	2	.1	66.7	66.7
Throughout the day and evening	1	.1	33.3	100.0
Total	3	.2	100.0	
Missing System	1902	99.8		
Total	1905	100.0		

q38c From May 2002 through April 2003, did you typically use your wood furnace(s) or boiler(s) on weekdays and weekends to burn wood?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid In the morning only	2	.1	8.3	8.3
In the evening only	2	.1	8.3	16.7
Throughout the day and evening	19	1.0	79.2	95.8
Don't know	1	.1	4.2	100.0
Total	24	1.3	100.0	
Missing System	1881	98.7		
Total	1905	100.0		

Other indoor wood burning equipment

q39 Is this indoor wood burning equipment a catalytic device?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	6	.3	85.7	85.7
	Don't know	1	.1	14.3	100.0
	Total	7	.4	100.0	
Missing	System	1898	99.6		
Total		1905	100.0		

q40 Was your indoor wood burning equipment purchased after July 1990?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	3	.2	42.9	42.9
	No	4	.2	57.1	100.0
	Total	7	.4	100.0	
Missing	System	1898	99.6		
Total		1905	100.0		

q41 What is the brand?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid		1901	99.8	99.8	99.8
	Aupland	1	.1	.1	99.8
	Clayton	1	.1	.1	99.9
	FEDERAL	1	.1	.1	99.9
	Riteway	1	.1	.1	100.0
	Total	1905	100.0	100.0	

q41a What is the model?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	1	.1	25.0	25.0
	Don't know	3	.2	75.0	100.0
	Total	4	.2	100.0	
Missing	System	1901	99.8		
Total		1905	100.0		

q41a_o What is the model - specified?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid		1904	99.9	99.9	99.9
	Model 1000	1	.1	.1	100.0
	Total	1905	100.0	100.0	

q42 Is this device equipment a catalytic device?

	Frequency	Percent
Missing System	1905	100.0

q43 Was your indoor wood burning equipment purchased after July 1990?

	Frequency	Percent
Missing System	1905	100.0

q44 What is the brand?

	Frequency	Percent
Missing System	1905	100.0

q44_o What is the brand - specified?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1905	100.0	100.0	100.0

q44a What is the model?

	Frequency	Percent
Missing System	1905	100.0

q44a_o What is the model - specified?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1905	100.0	100.0	100.0

q45 Would you say you burned?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Real Wood	4	.2	57.1	57.1
	You did not burn any wood	3	.2	42.9	100.0
	Total	7	.4	100.0	
Missing	System	1898	99.6		
Total		1905	100.0		

q46 How much real wood would you say you burned?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Answer given	4	.2	100.0	100.0
Missing	System	1901	99.8		
Total		1905	100.0		

q46_0 How much real wood would you say you burned - specified?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1901	99.8	99.8	99.8
1 CORD AND ONE HALF	1	.1	.1	99.8
1 PICK UP TRUCK LOAD	1	.1	.1	99.9
I BURNED THREE FACE CORDS.	1	.1	.1	99.9
TWO OR THREE POUND BAGS OF WOODCHIPS.	1	.1	.1	100.0
Total	1905	100.0	100.0	

q46a1 When you light a fire, about how many logs do you use?

	Frequency	Percent
Missing System	1905	100.0

q46a2 How often do you light a fire?

	Frequency	Percent
Missing System	1905	100.0

q46a2_o How often do you light a fire - specified?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1905	100.0	100.0	100.0

q47_1 Did you burn Oak or hickory?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid no	2	.1	50.0	50.0
yes	2	.1	50.0	100.0
Total	4	.2	100.0	
Missing System	1901	99.8		
Total	1905	100.0		

q47_2 Did you burn Pine?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid no	4	.2	100.0	100.0
Missing System	1901	99.8		
Total	1905	100.0		

q47_3 Did you burn Hemlock or spruce?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	4	.2	100.0	100.0
Missing	System	1901	99.8		
Total		1905	100.0		

q47_4 Did you burn maple, beech or birch?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	1	.1	25.0	25.0
	yes	3	.2	75.0	100.0
	Total	4	.2	100.0	
Missing	System	1901	99.8		
Total		1905	100.0		

q47_5 Did you burn other hardwood?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	1	.1	25.0	25.0
	yes	3	.2	75.0	100.0
	Total	4	.2	100.0	
Missing	System	1901	99.8		
Total		1905	100.0		

q47_6 Did you burn other softwood?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	4	.2	100.0	100.0
Missing	System	1901	99.8		
Total		1905	100.0		

q47_7 Did you burn other specified?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	4	.2	100.0	100.0
Missing	System	1901	99.8		
Total		1905	100.0		

q47_8 Don't know?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	4	.2	100.0	100.0
Missing	System	1901	99.8		
Total		1905	100.0		

q47_9 Refused?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	4	.2	100.0	100.0
Missing	System	1901	99.8		
Total		1905	100.0		

q48_1 What percent of 'first choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	25	1	.1	33.3	33.3
	33	1	.1	33.3	66.7
	50	1	.1	33.3	100.0
	Total	3	.2	100.0	
Missing	System	1902	99.8		
Total		1905	100.0		

q48_2 What percent of 'second choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	50	2	.1	66.7	66.7
	67	1	.1	33.3	100.0
	Total	3	.2	100.0	
Missing	System	1902	99.8		
Total		1905	100.0		

q48_3 What percent of 'third choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	25	1	.1	100.0	100.0
Missing	System	1904	99.9		
Total		1905	100.0		

q48_4 What percent of 'fourth choice' did you burn?

		Frequency	Percent
Missing	System	1905	100.0

q48_5 What percent of 'fifth choice' did you burn?

		Frequency	Percent
Missing	System	1905	100.0

q48_6 What percent of 'sixth choice' did you burn?

		Frequency	Percent
Missing	System	1905	100.0

q48_7 What percent of 'seventh choice' did you burn?

	Frequency	Percent
Missing System	1905	100.0

q48_8 What percent of don't know did you burn?

	Frequency	Percent
Missing System	1905	100.0

q49 How much artificial wood burned?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1905	100.0	100.0	100.0

q49a1 When you light a fire, about how many artificial logs do you use?

	Frequency	Percent
Missing System	1905	100.0

q49a2 How often do you light a fire?

	Frequency	Percent
Missing System	1905	100.0

q49a2_o How often do you light a fire - specified?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1905	100.0	100.0	100.0

q49_b If respondent says that the unit of measure is a box or a case?

	Frequency	Percent
Missing System	1905	100.0

q49_BN How many logs was that?

	Frequency	Percent
Missing System	1905	100.0

q50 How many days was your indoor wood burning equipment used in May 2002? How about June 2002?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Days	2	.1	50.0	50.0
	Seasons	2	.1	50.0	100.0
	Total	4	.2	100.0	
Missing	System	1901	99.8		
Total		1905	100.0		

q50a_1 How many days was your indoor wood equipment used in May 2002?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	2	.1	100.0	100.0
Missing	System	1903	99.9		
Total		1905	100.0		

q50a_2 How many days was your indoor wood equipment used in June 2002?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	2	.1	100.0	100.0
Missing	System	1903	99.9		
Total		1905	100.0		

q50a_3 How many days was your indoor wood equipment used in July 2002?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	2	.1	100.0	100.0
Missing	System	1903	99.9		
Total		1905	100.0		

q50a_4 How many days was your indoor wood equipment used in August 2002?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	2	.1	100.0	100.0
Missing	System	1903	99.9		
Total		1905	100.0		

q50a_5 How many days was your indoor wood equipment used in September 2002?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1	.1	50.0	50.0
	15	1	.1	50.0	100.0
	Total	2	.1	100.0	
Missing	System	1903	99.9		
Total		1905	100.0		

**q50a_6 How many days was your indoor wood equipment used in
October 2002?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1	.1	50.0	50.0
	25	1	.1	50.0	100.0
	Total	2	.1	100.0	
Missing	System	1903	99.9		
Total		1905	100.0		

**q50a_7 How many days was your indoor wood equipment used in
November 2002?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1	.1	50.0	50.0
	30	1	.1	50.0	100.0
	Total	2	.1	100.0	
Missing	System	1903	99.9		
Total		1905	100.0		

**q50a_8 How many days was your indoor wood equipment used in
December 2002?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	.1	50.0	50.0
	30	1	.1	50.0	100.0
	Total	2	.1	100.0	
Missing	System	1903	99.9		
Total		1905	100.0		

**q50a_9 How many days was your indoor wood equipment used in
January 2003?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1	.1	50.0	50.0
	30	1	.1	50.0	100.0
	Total	2	.1	100.0	
Missing	System	1903	99.9		
Total		1905	100.0		

q50a_10 How many days was your indoor wood equipment used in February 2003?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1	.1	50.0	50.0
	28	1	.1	50.0	100.0
	Total	2	.1	100.0	
Missing	System	1903	99.9		
Total		1905	100.0		

q50a_11How many days was your indoor wood equipment used in March 2003?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1	.1	50.0	50.0
	30	1	.1	50.0	100.0
	Total	2	.1	100.0	
Missing	System	1903	99.9		
Total		1905	100.0		

q50a_12 How many days was your indoor wood equipment used in April 2003?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	1	.1	50.0	50.0
	6	1	.1	50.0	100.0
	Total	2	.1	100.0	
Missing	System	1903	99.9		
Total		1905	100.0		

q50a_13 How many days was your indoor wood equipment used in May 2003?

	Frequency	Percent
Missing System	1905	100.0

q50S How did you typically use your indoor wood burning equipment in each season?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Answer given	2	.1	100.0	100.0
Missing	System	1903	99.9		
Total		1905	100.0		

q50so days indoor woodburning equipment used in spring

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1903	99.9	99.9	99.9
15	1	.1	.1	99.9
almost every weekend	1	.1	.1	100.0
Total	1905	100.0	100.0	

q50so2 days indoor woodburning equipment used in summer

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1903	99.9	99.9	99.9
0	1	.1	.1	99.9
almost every weekend	1	.1	.1	100.0
Total	1905	100.0	100.0	

q50so3 days indoor woodburning equipment used in fall

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1903	99.9	99.9	99.9
15	1	.1	.1	99.9
almost every weekend	1	.1	.1	100.0
Total	1905	100.0	100.0	

q50so4 days indoor woodburning equipment used in winter

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1903	99.9	99.9	99.9
30	1	.1	.1	99.9
almost every weekend	1	.1	.1	100.0
Total	1905	100.0	100.0	

q51a From May 2002 through April 2003, did you typically use your indoor wood burning equipment to burn wood on?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Weekends	2	.1	50.0	50.0
Weekdays and weekends	1	.1	25.0	75.0
Don't know	1	.1	25.0	100.0
Total	4	.2	100.0	
Missing System	1901	99.8		
Total	1905	100.0		

q51b From May 2002 through April 2003, did you typically use your indoor wood burning equipment to burn wood?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	In the morning only	1	.1	33.3	33.3
	Throughout the day and evening	1	.1	33.3	66.7
	Don't know	1	.1	33.3	100.0
	Total	3	.2	100.0	
Missing	System	1902	99.8		
Total		1905	100.0		

q51c From May 2002 through April 2003, did you typically use indoor wood burning equipment on weekdays and weekends to burn wood?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	In the evening only	1	.1	100.0	100.0
Missing	System	1904	99.9		
Total		1905	100.0		

Outdoor wood burning equipment

q52 Would you say you burned?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Real Wood	120	6.3	80.0	80.0
	Artificial Logs	1	.1	.7	80.7
	Both types of wood	3	.2	2.0	82.7
	You did not burn any wood	25	1.3	16.7	99.3
	Don't know	1	.1	.7	100.0
	Total	150	7.9	100.0	
Missing	System	1755	92.1		
Total		1905	100.0		

q53 How much real wood would you say you burned?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Answer given	122	6.4	99.2	99.2
	Don't know	1	.1	.8	100.0
	Total	123	6.5	100.0	
Missing	System	1782	93.5		
Total		1905	100.0		

q53a When you light a fire, about how many logs do you use?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	1	.1	100.0	100.0
Missing	System	1904	99.9		
Total		1905	100.0		

q53b How often do you light a fire?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	1	.1	100.0	100.0
Missing	System	1904	99.9		
Total		1905	100.0		

q53b_o How often do you light a fire?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid		1904	99.9	99.9	99.9
	7 days in coldest months. 5 days in November.	1	.1	.1	100.0
	Total	1905	100.0	100.0	

q54_1 Did you burn Oak or hickory?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	58	3.0	47.2	47.2
	yes	65	3.4	52.8	100.0
	Total	123	6.5	100.0	
Missing	System	1782	93.5		
Total		1905	100.0		

q54_2 Did you burn Pine?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	82	4.3	66.7	66.7
	yes	41	2.2	33.3	100.0
	Total	123	6.5	100.0	
Missing	System	1782	93.5		
Total		1905	100.0		

q54_3 Did you burn Hemlock or spruce?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	108	5.7	87.8	87.8
	yes	15	.8	12.2	100.0
	Total	123	6.5	100.0	
Missing	System	1782	93.5		
Total		1905	100.0		

q54_4 Did you burn maple, beech or birch?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	71	3.7	57.7	57.7
	yes	52	2.7	42.3	100.0
	Total	123	6.5	100.0	
Missing	System	1782	93.5		
Total		1905	100.0		

q54_5 Did you burn other hardwood?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	99	5.2	80.5	80.5
	yes	24	1.3	19.5	100.0
	Total	123	6.5	100.0	
Missing	System	1782	93.5		
Total		1905	100.0		

q54_6 Did you burn other softwood?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	115	6.0	93.5	93.5
	yes	8	.4	6.5	100.0
	Total	123	6.5	100.0	
Missing	System	1782	93.5		
Total		1905	100.0		

q54_7 Did you burn other specified?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	104	5.5	84.6	84.6
	yes	19	1.0	15.4	100.0
	Total	123	6.5	100.0	
Missing	System	1782	93.5		
Total		1905	100.0		

q54_8 Don't know?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	117	6.1	95.1	95.1
	yes	6	.3	4.9	100.0
	Total	123	6.5	100.0	
Missing	System	1782	93.5		
Total		1905	100.0		

q54_9 Refused?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	123	6.5	100.0	100.0
Missing	System	1782	93.5		
Total		1905	100.0		

q55_1 What percent of 'first choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	1	.1	1.5	1.5
	5	3	.2	4.5	6.0
	10	6	.3	9.0	14.9
	20	3	.2	4.5	19.4
	25	4	.2	6.0	25.4
	30	4	.2	6.0	31.3
	40	3	.2	4.5	35.8
	45	1	.1	1.5	37.3
	50	15	.8	22.4	59.7
	60	5	.3	7.5	67.2
	66	1	.1	1.5	68.7
	70	3	.2	4.5	73.1
	75	2	.1	3.0	76.1
	80	9	.5	13.4	89.6
	85	1	.1	1.5	91.0
	90	3	.2	4.5	95.5
	95	2	.1	3.0	98.5
	99	1	.1	1.5	100.0
	Total	67	3.5	100.0	
Missing	System	1838	96.5		
Total		1905	100.0		

q55_2 What percent of 'second choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	1	.1	1.5	1.5
	5	8	.4	11.9	13.4
	10	11	.6	16.4	29.9
	15	2	.1	3.0	32.8
	20	11	.6	16.4	49.3
	25	4	.2	6.0	55.2
	30	2	.1	3.0	58.2
	34	1	.1	1.5	59.7
	40	4	.2	6.0	65.7
	50	12	.6	17.9	83.6
	55	1	.1	1.5	85.1
	60	2	.1	3.0	88.1
	70	1	.1	1.5	89.6
	75	2	.1	3.0	92.5
	80	1	.1	1.5	94.0
	90	3	.2	4.5	98.5
	99	1	.1	1.5	100.0
	Total	67	3.5	100.0	
Missing	System	1838	96.5		
Total		1905	100.0		

q55_3 What percent of 'third choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	5	2	.1	8.0	8.0
	10	7	.4	28.0	36.0
	20	4	.2	16.0	52.0
	25	2	.1	8.0	60.0
	30	2	.1	8.0	68.0
	35	1	.1	4.0	72.0
	40	2	.1	8.0	80.0
	45	1	.1	4.0	84.0
	50	2	.1	8.0	92.0
	80	1	.1	4.0	96.0
	90	1	.1	4.0	100.0
	Total	25	1.3	100.0	
Missing	System	1880	98.7		
Total		1905	100.0		

q55_4 What percent of 'fourth choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	5	1	.1	8.3	8.3
	10	4	.2	33.3	41.7
	13	1	.1	8.3	50.0
	25	1	.1	8.3	58.3
	40	1	.1	8.3	66.7
	50	2	.1	16.7	83.3
	75	1	.1	8.3	91.7
	80	1	.1	8.3	100.0
	Total	12	.6	100.0	
Missing	System	1893	99.4		
Total		1905	100.0		

q55_5 What percent of 'fifth choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2	1	.1	50.0	50.0
	20	1	.1	50.0	100.0
	Total	2	.1	100.0	
Missing	System	1903	99.9		
Total		1905	100.0		

q55_6 What percent of 'sixth choice' did you burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	40	1	.1	100.0	100.0
Missing	System	1904	99.9		
Total		1905	100.0		

q55_7 What percent of 'seventh choice' did you burn?

	Frequency	Percent
Missing System	1905	100.0

q55_8 What percent of don't know did you burn?

	Frequency	Percent
Missing System	1905	100.0

q55_9 What percent of refused did you burn?

	Frequency	Percent
Missing System	1905	100.0

q56 How much artificial wood would you say you burned?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Answer given	3	.2	75.0	75.0
Don't know	1	.1	25.0	100.0
Total	4	.2	100.0	
Missing System	1901	99.8		
Total	1905	100.0		

q56_o How much artificial wood would you say you burned?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1902	99.8	99.8	99.8
3 logs	1	.1	.1	99.9
8 logs	1	.1	.1	99.9
maybe 2 logs	1	.1	.1	100.0
Total	1905	100.0	100.0	

q56a1 When you light a fire, about how many artificial logs do

	Frequency	Percent	Valid	Cumulative Percent
Valid 3	1	.1	100.0	100.0
Missing System	1904	99.9		
Total	1905	100.0		

q56a2 How often do you light a fire?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1904	99.9	99.9	99.9
Frequently in the summer on the outdoor grill. None during winter. Some during fall and spring.	1	.1	.1	100.0
Total	1905	100.0	100.0	

q56_B If respondent says that the unit of measure is a box or a case?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes, said box	1	.1	25.0	25.0
	No, did not say box	3	.2	75.0	100.0
	Total	4	.2	100.0	
Missing	System	1901	99.8		
Total		1905	100.0		

q56_BN How many logs was that?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	8	1	.1	100.0	100.0
Missing	System	1904	99.9		
Total		1905	100.0		

q57 How many days was your outdoor wood burning equipment used in May 2002? How about June 2002?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Days	95	5.0	76.6	76.6
	Seasons	27	1.4	21.8	98.4
	Don't know	2	.1	1.6	100.0
	Total	124	6.5	100.0	
Missing	System	1781	93.5		
Total		1905	100.0		

q57a1 How many days was your outdoor wood burning equipment used in May 2002?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	39	2.0	41.1	41.1
	1	12	.6	12.6	53.7
	2	13	.7	13.7	67.4
	3	8	.4	8.4	75.8
	4	4	.2	4.2	80.0
	5	5	.3	5.3	85.3
	6	2	.1	2.1	87.4
	8	4	.2	4.2	91.6
	10	2	.1	2.1	93.7
	12	2	.1	2.1	95.8
	15	1	.1	1.1	96.8
	20	1	.1	1.1	97.9
	31	2	.1	2.1	100.0
	Total	95	5.0	100.0	
Missing	System	1810	95.0		
Total		1905	100.0		

**q57a_2 How many days was your outdoor wood burning equipment
used in June 2002?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	27	1.4	28.4	28.4
	1	14	.7	14.7	43.2
	2	16	.8	16.8	60.0
	3	10	.5	10.5	70.5
	4	9	.5	9.5	80.0
	5	3	.2	3.2	83.2
	6	3	.2	3.2	86.3
	8	2	.1	2.1	88.4
	10	3	.2	3.2	91.6
	12	2	.1	2.1	93.7
	14	1	.1	1.1	94.7
	15	3	.2	3.2	97.9
	25	1	.1	1.1	98.9
	30	1	.1	1.1	100.0
	Total	95	5.0	100.0	
Missing	System	1810	95.0		
Total		1905	100.0		

**q57a_3 How many days was your outdoor wood burning equipment
used in July 2002?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	24	1.3	25.3	25.3
	1	11	.6	11.6	36.8
	2	19	1.0	20.0	56.8
	3	10	.5	10.5	67.4
	4	7	.4	7.4	74.7
	5	4	.2	4.2	78.9
	6	3	.2	3.2	82.1
	7	1	.1	1.1	83.2
	8	4	.2	4.2	87.4
	10	2	.1	2.1	89.5
	12	3	.2	3.2	92.6
	14	1	.1	1.1	93.7
	15	2	.1	2.1	95.8
	20	1	.1	1.1	96.8
	25	1	.1	1.1	97.9
	30	1	.1	1.1	98.9
	31	1	.1	1.1	100.0
	Total	95	5.0	100.0	
Missing	System	1810	95.0		
Total		1905	100.0		

**q57a_4 How many days was your outdoor wood burning equipment
used in August 2002?"**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	28	1.5	29.5	29.5
	1	12	.6	12.6	42.1
	2	12	.6	12.6	54.7
	3	9	.5	9.5	64.2
	4	11	.6	11.6	75.8
	5	3	.2	3.2	78.9
	6	2	.1	2.1	81.1
	7	1	.1	1.1	82.1
	8	3	.2	3.2	85.3
	10	5	.3	5.3	90.5
	12	3	.2	3.2	93.7
	15	2	.1	2.1	95.8
	20	1	.1	1.1	96.8
	25	1	.1	1.1	97.9
	30	1	.1	1.1	98.9
	31	1	.1	1.1	100.0
	Total	95	5.0	100.0	
Missing	System	1810	95.0		
Total		1905	100.0		

**q57a_5 How many days was your outdoor wood burning equipment
used in September 2002?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	34	1.8	35.8	35.8
	1	14	.7	14.7	50.5
	2	15	.8	15.8	66.3
	3	8	.4	8.4	74.7
	4	3	.2	3.2	77.9
	5	2	.1	2.1	80.0
	6	2	.1	2.1	82.1
	7	1	.1	1.1	83.2
	8	1	.1	1.1	84.2
	10	5	.3	5.3	89.5
	12	1	.1	1.1	90.5
	15	3	.2	3.2	93.7
	18	1	.1	1.1	94.7
	20	2	.1	2.1	96.8
	25	1	.1	1.1	97.9
	30	2	.1	2.1	100.0
	Total	95	5.0	100.0	
Missing	System	1810	95.0		
Total		1905	100.0		

**q57a_6 How many days was your outdoor wood burning equipment
used in October 2002?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	57	3.0	60.0	60.0
	1	7	.4	7.4	67.4
	2	10	.5	10.5	77.9
	3	5	.3	5.3	83.2
	4	3	.2	3.2	86.3
	5	1	.1	1.1	87.4
	6	1	.1	1.1	88.4
	8	1	.1	1.1	89.5
	10	3	.2	3.2	92.6
	12	1	.1	1.1	93.7
	15	1	.1	1.1	94.7
	20	1	.1	1.1	95.8
	30	2	.1	2.1	97.9
	31	2	.1	2.1	100.0
	Total	95	5.0	100.0	
Missing	System	1810	95.0		
Total		1905	100.0		

**q57a_7 How many days was your outdoor wood burning equipment
used in November 2002?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	67	3.5	70.5	70.5
	1	12	.6	12.6	83.2
	2	4	.2	4.2	87.4
	3	1	.1	1.1	88.4
	4	2	.1	2.1	90.5
	8	1	.1	1.1	91.6
	12	1	.1	1.1	92.6
	15	2	.1	2.1	94.7
	30	5	.3	5.3	100.0
	Total	95	5.0	100.0	
Missing	System	1810	95.0		
Total		1905	100.0		

**q57a_8 How many days was your outdoor wood burning equipment
used in December 2002?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	80	4.2	84.2	84.2
	1	4	.2	4.2	88.4
	2	3	.2	3.2	91.6
	4	1	.1	1.1	92.6
	10	1	.1	1.1	93.7
	12	2	.1	2.1	95.8
	30	1	.1	1.1	96.8
	31	3	.2	3.2	100.0
	Total	95	5.0	100.0	
Missing	System	1810	95.0		
Total		1905	100.0		

**q57a_9 How many days was your outdoor wood burning equipment
used in January 2003?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	82	4.3	86.3	86.3
	1	4	.2	4.2	90.5
	2	2	.1	2.1	92.6
	5	1	.1	1.1	93.7
	6	1	.1	1.1	94.7
	12	1	.1	1.1	95.8
	30	1	.1	1.1	96.8
	31	3	.2	3.2	100.0
	Total	95	5.0	100.0	
Missing	System	1810	95.0		
Total		1905	100.0		

**q57a_10 How many days was your outdoor wood burning equipment
used in February 2003?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	81	4.3	85.3	85.3
	1	1	.1	1.1	86.3
	2	5	.3	5.3	91.6
	5	1	.1	1.1	92.6
	8	1	.1	1.1	93.7
	12	1	.1	1.1	94.7
	15	1	.1	1.1	95.8
	28	4	.2	4.2	100.0
	Total	95	5.0	100.0	
Missing	System	1810	95.0		
Total		1905	100.0		

**q57a_11 How many days was your outdoor wood burning equipment
used in March 2003?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	78	4.1	82.1	82.1
	1	4	.2	4.2	86.3
	2	4	.2	4.2	90.5
	4	1	.1	1.1	91.6
	8	2	.1	2.1	93.7
	12	1	.1	1.1	94.7
	30	1	.1	1.1	95.8
	31	4	.2	4.2	100.0
	Total	95	5.0	100.0	
Missing	System	1810	95.0		
Total		1905	100.0		

**q57a_12 How many days was your outdoor wood burning equipment
used in April 2003?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	77	4.0	81.1	81.1
	1	4	.2	4.2	85.3
	2	6	.3	6.3	91.6
	4	1	.1	1.1	92.6
	5	2	.1	2.1	94.7
	6	1	.1	1.1	95.8
	10	2	.1	2.1	97.9
	30	2	.1	2.1	100.0
	Total	95	5.0	100.0	
Missing	System	1810	95.0		
Total		1905	100.0		

**q57S How did you typically use your outdoor wood burning equipment
in each season?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	27	1.4	100.0	100.0
Missing	System	1878	98.6		
Total		1905	100.0		

q57so days outdoor woodburning equipment used in spring

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1878	98.6	98.6	98.6
0	11	.6	.6	99.2
1	2	.1	.1	99.3
10	1	.1	.1	99.3
2	3	.2	.2	99.5
25	1	.1	.1	99.5
3	1	.1	.1	99.6
4	2	.1	.1	99.7
5	1	.1	.1	99.7
6	1	.1	.1	99.8
Every other weekend	1	.1	.1	99.8
once a week	1	.1	.1	99.9
two logs	1	.1	.1	99.9
weekends	1	.1	.1	100.0
Total	1905	100.0	100.0	

q57so2 days outdoor woodburning equipment used in summer

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1878	98.6	98.6	98.6
0	4	.2	.2	98.8
1	2	.1	.1	98.9
10	1	.1	.1	99.0
10 logs	1	.1	.1	99.0
2	4	.2	.2	99.2
3	3	.2	.2	99.4
35	1	.1	.1	99.4
4	2	.1	.1	99.5
50	1	.1	.1	99.6
6	2	.1	.1	99.7
8	1	.1	.1	99.7
between a half and three quarters of the cord	1	.1	.1	99.8
one box of six logs.	1	.1	.1	99.8
twice a week.	1	.1	.1	99.9
twice in the summer	1	.1	.1	99.9
weekends occasionally	1	.1	.1	100.0
weekdays				
Total	1905	100.0	100.0	

q57so3 days outdoor woodburning equipment used in fall

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1878	98.6	98.6	98.6
0	12	.6	.6	99.2
10	2	.1	.1	99.3
10 logs	1	.1	.1	99.4
15	1	.1	.1	99.4
2	5	.3	.3	99.7
5	1	.1	.1	99.7
8	1	.1	.1	99.8
maybe once or twice for the entire season.	1	.1	.1	99.8
not too often.	1	.1	.1	99.9
twenty logs	1	.1	.1	99.9
weekends, every once in a while in the evenings	1	.1	.1	100.0
Total	1905	100.0	100.0	

q57so4 days outdoor woodburning equipment used in winter

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1878	98.6	98.6	98.6
0	18	.9	.9	99.5
1	1	.1	.1	99.6
5	2	.1	.1	99.7
half a face cord	1	.1	.1	99.7
I still cook out - maybe once or twice a month.	1	.1	.1	99.8
not so much	1	.1	.1	99.8
once a week or so	1	.1	.1	99.9
the remainder (between a quarter and half of a cord)	1	.1	.1	99.9
two logs	1	.1	.1	100.0
Total	1905	100.0	100.0	

q58a From May 2002 through April 2003, did you typically use your outdoor wood burning equipment to burn wood on?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid				
Weekdays	6	.3	4.8	4.8
Weekends	78	4.1	62.9	67.7
Weekdays and weekends	40	2.1	32.3	100.0
Total	124	6.5	100.0	
Missing				
System	1781	93.5		
Total	1905	100.0		

q58b From May 2002 through April 2003, did you typically use your outdoor wood burning equipment to burn wood?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	In the morning only	7	.4	8.3	8.3
	In the evening only	59	3.1	70.2	78.6
	Throughout the day and evening	18	.9	21.4	100.0
	Total	84	4.4	100.0	
Missing	System	1821	95.6		
Total		1905	100.0		

q58c From May 2002 through April 2003, did you typically use outdoor wood burning equipment on weekdays and weekends to burn wood?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	In the evening only	27	1.4	67.5	67.5
	Throughout the day and evening	12	.6	30.0	97.5
	Don't know	1	.1	2.5	100.0
	Total	40	2.1	100.0	
Missing	System	1865	97.9		
Total		1905	100.0		