The 1992 Pacific Northwest Residential Energy Survey – Phase I

Book 4: Item-by-Item Crosstabulations

■ Volume E: Pacific Northwest States

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PNWRES92

*This document is a product of the
Energy Resources Development
and Implementation Process:*

Define Situation →

Identify Alternatives

Select Strategies

Implement Strategies

Evaluate Performance

Bonneville
POWER ADMINISTRATION

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June 1993

Energy Resources Development and Implementation Process

The Energy Resources Program contains all the steps needed to plan for and manage energy resources. This chart reflects that process, with major tasks for each step. Though we display a linear process, it is a simplification; many interactions among the stages take place. Throughout the process, Bonneville asks customers, the Northwest Power Planning Council, utility and environmental groups, the public and others for their advice and comment.

Customers
Northwest Power
Planning Council
Utility and
Environmental Groups
The Public

Defining the Resource Picture

To define the resource picture, Bonneville assesses its customers' power requirements for the next 20 years and the supply of existing resources. Bonneville and the Northwest Power Planning Council publish energy demand forecasts, and analysts forecast how much power from existing resources will be available to meet projected uses. The difference must be met by new resources.

Identifying Alternatives

Analysts track potential resources and predict future supplies of conservation and generation resources, including imports and power exchanges. Analysts study all aspects of a resource: reliability, public opinion, cost, environmental impact, regulatory transmission and fuel constraints, and development time. Alternatives considered include opportunities for coordinating hydro system operations with Canada and for power purchases and transfers with Canadian and Southwest utilities.

Selecting Strategies

Using information on loads and resources, Bonneville weighs combinations of resources, their consequences, and public comment to choose the most appropriate and cost-effective resource strategy. The Resource Program documents this strategy.

Implementing Strategies

Fulfilling the plans in the Resource Program is the next step. Working with utilities, resource developers, interest groups, the public, and others, Bonneville sponsors conservation and generation programs and projects. BPA conducts environmental reviews of programs and projects and also provides oversight for generation projects. The result: megawatts of electricity generated or saved for the region.

Evaluating Performance

How well did actions meet BPA's objectives? Answering this question through program evaluation provides information on energy savings, energy production, costs and other measures of program quality. It is BPA's policy to evaluate all energy resource acquisitions.

The 1992 Pacific Northwest Residential Energy Survey - Phase I

(PNWRES92-I)

Book 4: Item-by-Item Crosstabulations

■ Volume E: Pacific Northwest States

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**Office of Energy Resources
Bonneville Power Administration
End-Use Research Section
U. S. Department of Energy
P.O. Box 3621
Portland, OR 97208-3621**

Contacts: Wendy Lin-Kelly - (503) 230-5458
Roger H. Moore - (503) 230-4264

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PREFACE

This book constitutes a portion of the *primary documentation* for the 1992 **Pacific Northwest Residential Energy Survey, Phase I (PNWRES92-I)**.¹ The complete 33-volume set of primary documentation provides information needed by energy analysts and interpreters with respect to planning, execution, data collection, and data management of the PNWRES92-I process. Thirty of these volumes are devoted to different "views" of the data themselves, with each view having a special purpose or interest as its focus. Analyses and interpretations of these data will be the subjects of forthcoming publications.

Conducted during the late summer and fall months of 1992, PNWRES92-I had the over-arching goal of satisfying basic requirements for a variety of information about the stock of residential units in Bonneville's service region. Surveys with a similar goal were conducted in 1979 and 1983 and were respectively designated PNWRES79 and PNWRES83.

¹ From its planning stages, PNWRES92 was conceived as and intended to be a two-phase study: Phase I, the Telephone Survey, was to provide a modest amount of data on a large number (some 20,000) of Pacific Northwest households; Phase II, the On-Site Survey, was to provide a great deal of data on relatively few (perhaps 2,000-3,000) of the households interviewed in Phase I. Phase I households were intended also to provide a "surrogate population" of the region's households for specially focused future surveys.

PNWRES92-I differed from its two predecessors in several ways. It was designed to ...

... be conducted as a telephone survey—in contrast to an on-site/in-person interview.

.... include all classes of housing units in the Pacific Northwest—in contrast to those that could be reached only through cooperating electric utilities.

... assure coverage of six geographic sub-regions² and three utility types³—in contrast, again, to depending upon the cooperation and effort of a selection of electric utilities.

... provide data on some 20,000 housing units—in contrast to some 4,000-5,000 housing units interviewed in PNWRES79 and PNWRES83.

... provide a surrogate population of Pacific Northwest households as a basis for future, fine-tuned surveys aimed at specific issues or limited data needs.

In order to provide a record of intention and achievement, the 33 coordinated volumes—designated **Volume A through Volume AG**—were prepared by PNWRES92-I's principal contractor, the Applied Management & Planning Group of Los Angeles, CA. These volumes are collected and published in a series of 12 "books," each of which contains a particular subgroup of the 33 volumes:

Book 1: Volumes A and B. The Executive Summary, the Concordance, and the Glossary (A) and the Report on Methodology and the Technical Appendix (B).

Book 2: Volume C. Item-by-item crosstabulations⁴ for the Pacific Northwest Region.

Book 3: Volume D. Item-by-item crosstabulations for the four Bonneville Area Offices (Puget Sound, Lower Columbia, Upper Columbia, and Snake River).

² Western Montana, Idaho, Eastern Washington, Western Washington, Eastern Oregon, and Western Oregon.

³ Publicly-Owned Generating Utilities, Publicly-Owned Non-Generating Utilities, and Investor-Owned Utilities.

⁴ Item-by-item crosstabulations display all responses to each of 80 survey items (excepting confidential/sensitive items like names and addresses) for each of the 15 survey domains and for the Region (Volume C), Bonneville's four Area Offices (Volume D), and the four Pacific Northwest states (Volume E).

- Book 4: Volume E.** Item-by-item crosstabulations for the four Pacific Northwest states served by Bonneville (Western Montana, Idaho, Washington, and Oregon).
- Book 5: Volume F.** Selected crosstabulations⁵ for the Pacific Northwest Region.
- Book 6: Volumes G, H, and I.** Selected crosstabulations for the three publicly-owned *generating* utility domains: Eastern Washington (G), Western Washington (H), and Western Oregon (I).
- Book 7: Volumes J, K, L, M, N, and O.** Selected crosstabulations for the six publicly-owned *non-generating* utility domains: Western Montana (J), Idaho (K), Eastern Washington (L), Western Washington (M), Eastern Oregon (N), and Western Oregon (O).
- Book 8: Volumes P, Q, R, S, T, and U.** Selected crosstabulations for the six investor-owned utility domains: Western Montana (P), Idaho (Q), Eastern Washington (R), Western Washington (S), Eastern Oregon (T), and Western Oregon (U).
- Book 9: Volumes V, W, X, and Y.** Selected crosstabulations for Bonneville's four Area Offices: Puget Sound (V), Lower Columbia (W), Upper Columbia (X), and Snake River (Y).
- Book 10: Volumes Z, AA, AB, and AC.** Selected crosstabulations for the four states served by Bonneville: Washington (Z), Oregon (AA), Idaho (AB), and Western Montana (AC).
- Book 11: Volumes AD, AE, and AF.** Selected crosstabulations for the three categories of utilities in the Pacific Northwest: Public Generating (AD), Public Non-Generating (AE), and Investor-Owned (AF).
- Book 12: Volume AG.** A report of a post-survey study of PNWRES92-I non-respondents (conducted in late Spring 1993) and their reason(s) for not completing the original survey.

For additional information, comments, or data requests, contact David Mills: 503-230-7505.

To obtain copies of the reports, contact Kim Andersen, End-Use Research Section (RPEE), Bonneville Power Administration, P.O. Box 3621, Portland, OR 97208-3621: 503-230-5712.

Individually-bound copies of Volume A (Executive Summary, Concordance, and Glossary) may be obtained from Bonneville's Public Information Office: 503-230-3055.

⁵ "Selected crosstabulations" refers to a set of nine survey items of wide interest (Dwelling Type, Ownership Type, Year-of-Construction, Dwelling Size, Primary Space-Heating Fuel, Primary Water-Heating Fuel, Household Income for 1991, Utility Type, and Space-Heating Fuels: Systems and Equipment) that were crosstabulated among themselves and thus yielded 36 two-way tables for each of the several views displayed in **Volumes F through AF**.

1992 Pacific Northwest Residential Energy Survey Phase I

VOLUME E Item-by-Item Results: States

**Prepared for
Bonneville Power Administration
Portland, Oregon**

**by
Applied Management & Planning Group
Los Angeles**

Contract No.: DE-AC79-92BP25174

OVERVIEW OF 1992 PACIFIC NORTHWEST RESIDENTIAL ENERGY SURVEY

Phase I of the 1992 Pacific Northwest Residential Energy Survey (PNWRES92-I) was the third comprehensive survey of the region to provide data on energy usage, conservation awareness/behaviors and associated consumer characteristics for use in forecasting and planning by the Bonneville Power Administration.

Energy-use data from residential surveys conducted in 1979 and 1983 have been used extensively by Bonneville, the Pacific Northwest Utilities Conference Committee, the Northwest Power Planning Council, and by several of the utilities in the region. Since 1983, both increased fuel prices and conservation programs have impacted consumer behavior and have made it necessary to update the data base used for forecasting. In order to improve the accuracy of these forecasts, more detailed information was required concerning the use of residential energy in the Pacific Northwest. Thus, Bonneville contracted its third regional residential survey, PNWRES92-I.

A team of staff members, representing several constituencies within Bonneville's Office of Energy Resources, designed the data collection as a telephone survey. The Applied Management & Planning Group (AMPG), Los Angeles, California, was selected to carry out the survey, to summarize the data, and to prepare the initial documentation. Interviewing Services of America (ISA), Van Nuys, California, was subcontracted by AMPG to conduct the telephone interviews.

PNWRES92-I used random digit dialing (RDD) and computer-assisted telephone interviewing (CATI). The sample was stratified into 15 sampling domains defined by geographic area and utility type. A total of 20,170 interviews were completed from September 3, 1992, to December 9, 1992.

The survey's full documentation is divided among 33 volumes, which are displayed in the Project Concordance in the next section. All volumes are available both in printed form and on personal computers using **Bonneville Power Plus**. Volumes A and B provide detailed documentation. Volume C shows all survey items for each sampling domain, for the entire region. Each of the data tables in Volumes C through AF show both the sample counts and the weighted population counts, as well as a chart for the population counts.

Volume E presents item-by-item crosstabulations for the states by utility types.

For additional information, comments, or data requests, contact David Mills: (503)230-7505. To obtain copies of the reports, contact Kim Andersen, End-Use Research Section (RPEE), Bonneville Power Administration, P.O. Box 3621, Portland, OR 97208-3621; (503)230-5712.

Key: PG = Public Generating Utility PN = Public Nongenerating Utility IO = Investor-Owned

Listing of Tables and Charts

Volume E: Item-by-Item Results – States

E-1:	Dwelling Type by State
E-2:	Ownership Type by State
E-3:	Year of Construction by State
E-4:	Year of Occupancy by State
E-5:	Dwelling Size in Square Feet by State
E-6:	Type of Foundation by State
E-7:	Cathedral or Vaulted Ceilings by State
E-8:	Number of Living Rooms by State
E-9:	Number of Kitchens by State
E-10:	Number of Kitchens with Eating Areas by State
E-11:	Number of Dining Rooms by State
E-12:	Number of Bedrooms by State
E-13:	Number of Bathrooms by State
E-14:	Number of Dens, Studies, Libraries, or Sewing Rooms by State
E-15:	Number of Family or Recreation Rooms by State
E-16:	Number of Utility or Work Rooms by State
E-17:	Number of Other Small Rooms by State
E-18:	Number of Other Large Rooms by State
E-19:	Primary Multi-Unit Heating System Type by State
E-20:	Primary Space-Heating Fuel Type by State
E-21:	Primary Space-Heating Equipment Type by State
E-22:	Primary Electric Space-Heating Equipment Type by State
E-23:	Primary Wood Space-Heating Equipment Type by State
E-24:	Fireplace Equipment by State
E-25:	Presence of Secondary Space-Heating Fuel by State
E-26:	Secondary Space-Heating Fuel Type by State
E-27:	Secondary Space-Heating Equipment Type by State
E-28:	Secondary Electric Space-Heating Equipment Type by State
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Listing of Tables and Charts

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E-73:	Respondent's Age by State
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E-77:	Household Income by State
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E-80:	Respondent's Gender by State

Tables and Charts Survey Questions

Volume E: Item-by-Item Results – States

- E-1:** Dwelling Type by State
Q16: Which of the following best describes your dwelling?
- E-2:** Ownership Type by State
Q18: Do you own your home, rent it, or occupy it under some other arrangement?
- E-3:** Year of Construction by State
Q20: In what year was your home constructed?
- E-4:** Year of Occupancy by State
Q22: In what year did you move into your home?
- E-5:** Dwelling Size in Square Feet by State
Q24: What is the square footage of your home?
- E-6:** Type of Foundation by State
Q26: What type of foundation does your home have?
- E-7:** Cathedral or Vaulted Ceilings by State
Q30: Do you have any cathedral or vaulted ceilings in your home?
- E-8:** Number of Living Rooms by State
Q32A: How many living rooms do you have in your home?
- E-9:** Number of Kitchens by State
Q32B: How many kitchens do you have in your home?
- E-10:** Number of Kitchens with Eating Areas by State
Q32C: How many kitchens with eating areas do you have in your home?
- E-11:** Number of Dining Rooms by State
Q32D: How many dining rooms do you have in your home?
- E-12:** Number of Bedrooms by State
Q32E: How many bedrooms do you have in your home?
- E-13:** Number of Bathrooms by State
Q32F: How many bathrooms do you have in your home?
- E-14:** Number of Dens, Studies, Libraries, or Sewing Rooms by State
Q38A: How many dens, studies, libraries, or sewing rooms do you have in your home?
- E-15:** Number of Family or Recreation Rooms by State
Q38B: How many family or recreation rooms do you have in your home?

Tables and Charts Survey Questions

Volume E: Item-by-Item Results – States

- E-16:** Number of Utility or Work Rooms by State
Q38C: How many utility or work rooms do you have in your home?
- E-17:** Number of Other Small Rooms by State
Q38D: How many other small rooms (80 square feet or less) do you have in your home?
- E-18:** Number of Other Large Rooms by State
Q38E: How many other large rooms (more than 80 square feet) do you have in your home?
- E-19:** Primary Multi-Unit Heating System Type by State
Q44: When you heat your home, do you primarily rely on...?
- E-20:** Primary Space-Heating Fuel Type by State
Q46: What fuel do you use most to heat your home?
- E-21:** Primary Space-Heating Equipment Type by State
Q48: Which type of heating equipment do you use most to heat your home?
- E-22:** Primary Electric Space-Heating Equipment Type by State
Q50: Which type of electric heating equipment do you use most to heat your home?
- E-23:** Primary Wood Space-Heating Equipment Type by State
Q52: Which type of wood heating equipment do you use most to heat your home?
- E-24:** Fireplace Equipment by State
Q54: Does your fireplace have...?
- E-25:** Presence of Secondary Space-Heating Fuel by State
Q56: Do you use any other fuel besides (primary fuel type) to heat your home?
- E-26:** Secondary Space-Heating Fuel Type by State
Q68: Other than (primary fuel type) what fuel do you use most to heat your home?
- E-27:** Secondary Space-Heating Equipment Type by State
Q69: Which type of (secondary heating fuel) heating equipment do you use most to heat your home?

Tables and Charts Survey Questions

Volume E: Item-by-Item Results – States

- E-28:** Secondary Electric Space-Heating Equipment Type by State
Q70: Which type of (secondary) electric heating equipment do you use most to heat you home?
- E-29:** Secondary Wood Space-Heating Equipment Type by State
Q72: Which type of (secondary) wood heating equipment do you use most to heat your home?
- E-30:** Secondary Fireplace Equipment by State
Q74: Does your fireplace have...?
- E-31:** Changed Fuel Type in Past Year by State
Q76: In the past year, have you changed the fuel type you use most to heat your home?
- E-32:** Primary Fuel Type Prior to Change by State
Q88: What fuel was used most to heat your home before you switched?
- E-33:** Daytime Heating by State
Q89: During the winter, do you heat your home more than half of the time between 9am and 5pm weekdays?
- E-34:** Natural Gas Available in Neighborhood by State
Q90: Is natural gas available in your neighborhood?
- E-35:** Presence of Air Conditioning by State
Q92: Do you have air conditioning in your home?
- E-36:** Multi-Unit Air Conditioning System by State
Q94: What type of system do you have...?
- E-37:** Most-Used Air Conditioning Equipment System Type by State
Q96: What type of air conditioning system do you use most?
- E-38:** Number of Window or Wall Air Conditioning Units by State
Q98: How many window or wall air conditioning units do you have in your home?
- E-39:** Multi-Unit Water-Heating System by State
Q100: Is most of the hot water you use heated by...?
- E-40:** Primary Water-Heating Fuel Type by State
Q102: What fuel do you use most for heating water in your home?
- E-41:** Stove-Top Fuel Type by State
Q116: What fuel does your stove-top use?

Tables and Charts Survey Questions

Volume E: Item-by-Item Results – States

- E-42:** Number of Cooking Ovens by State
Q118: How many ovens, not including microwave ovens or toaster ovens, do you use for cooking?
- E-43:** Cooking Oven Fuel Type by State
Q120: What fuel does your oven use?
- E-44:** Presence of Microwave Oven by State
Q122: Do you have a microwave oven in your home that you use at least occasionally?
- E-45:** Number of Refrigerators by State
Q124A: How many refrigerators do you have in your home?
- E-46:** Number of Televisions by State
Q124B: How many televisions do you have in your home?
- E-47:** Number of Personal Computers by State
Q124C: How many personal computers do you have in your home?
- E-48:** Number of Freezers, Separate from Refrigerators, by State
Q124D: How many freezers, separate from refrigerators, do you have in your home?
- E-49:** Number of Dishwashers by State
Q124E: How many dishwashers do you have in your home?
- E-50:** Number of Clothes Washing Machines by State
Q124F: How many clothes washing machines do you have in your home?
- E-51:** Number of Clothes Dryers by State
Q124G: How many clothes dryers do you have in your home?
- E-52:** Clothes Dryer Fuel Type by State
Q125: What type of fuel does your clothes dryer use?
- E-53:** Presence of Swimming Pool by State
Q132A: Do you have your own swimming pool?
- E-54:** Presence of Hot Tub by State
Q132B: Do you have your own hot tub?
- E-55:** Presence of Whirlpool Bath by State
Q132C: Do you have your own whirlpool bath?

Tables and Charts Survey Questions
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- E-56:** Primary Fuel Used to Heat Swimming Pool by State
Q140: What fuel do you use most to heat your swimming pool?
- E-57:** Primary Fuel Used to Heat Hot Tub by State
Q142: What fuel do you use most to heat your hot tub?
- E-58:** Number of Shower Heads by State
Q144: How many shower heads do you have in your home?
- E-59:** Energy Inspection by State
Q146: Has any energy professional inspected your home and advised you on ways to make your home more energy efficient?
- E-60:** Permit Visit by Energy Professional by State
Q148: Are you willing to have an energy professional visit your home and advise you on home energy efficiency?
- E-61:** Weatherized Dwelling by State
Q150: Since you moved into your home, has the state or electric utility weatherized your home?
- E-62:** Familiarity with Weatherization Loans by State
Q151: Have you heard or read anything about low interest weatherization loans?
- E-63:** Familiarity with Weatherization Programs by State
Q152: Have you heard or read anything about utility or state weatherization programs?
- E-64:** Familiarity with Efficient Appliance Programs by State
Q153: Have you heard or read anything about efficient appliance programs?
- E-65:** Extent of Home Energy Efficiency by State
Q158: Which of the following best describes how you feel about the energy efficiency of your home?
- E-66:** Seriousness of Environmental Pollution by State
Q160A: How do you rate the seriousness of environmental pollution?
- E-67:** Seriousness of the Cost of Energy by State
Q160B: How do you rate the seriousness of the cost of energy?
- E-68:** Seriousness of Unemployment by State
Q160C: How do you rate the seriousness of unemployment?

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- E-69:** Seriousness of Scarcity of Energy by State
Q160D: How do you rate the seriousness of scarcity of energy?
- E-70:** Seriousness of Crime by State
Q160E: How do you rate the seriousness of crime?
- E-71:** Receive Electric Utility Bill by State
Q163: Do you receive a bill from your electric utility?
- E-72:** Number of People in Household by State
Q172: How many people, including yourself, normally live in your home?
- E-73:** Respondent's Age by State
Q173: How old are you?
- E-74A:** Number in Household Less than 6 Years Old by State
Q174A: How many of the people who live in your home are less than 6 years old?
- E-74B:** Number in Household 6 to 17 Years Old by State
Q174B: How many of the people who live in your home are between 6 and 17 years old?
- E-74C:** Number in Household 18 to 64 Years Old by State
Q174C: How many of the people who live in your home are between 18 and 64 years old?
- E-74D:** Number in Household Age 65 and Over by State
Q174D: How many of the people who live in your home are 65 and over?
- E-75:** Respondent's Education Level by State
Q179: What is the highest level of education that you have completed?
- E-76:** Household Income by State, Above/Below \$25,000
Q186: Was your total household income before taxes for 1991 above or below \$25,000?
- E-77:** Household Income by State
Q188 and Q189: What is your household income?
- E-78:** Authorize Billing Information by State
Q192: Would you be willing to authorize your utility(ies) to provide us information on the amounts of fuel you use?

Tables and Charts Survey Questions
Volume E: Item-by-Item Results – States

- E-79:** Willing to Grant In-Person Interview by State
Q200: Can we re-contact you in about one year for an in-person interview?
- E-80:** Respondent's Gender by State

Table E-1: Dwelling Type by State

Q16: Which of the following best describes your dwelling?

Raw Data

DWELLING TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Manufactured Home	465	585	155	105	739	191	N/A	354	84	N/A	175	139	2,992
Single Family Dwelling	2,675	2,637	877	1,323	2,370	997	N/A	1,410	385	N/A	1,141	721	14,536
Duplex	138	134	44	139	114	51	N/A	41	7	N/A	45	15	728
Triplex	21	20	12	10	13	14	N/A	11	1	N/A	7	4	113
Fourplex	68	60	19	49	37	17	N/A	21	12	N/A	38	9	330
Fiveplex or More	398	246	106	226	143	103	N/A	46	19	N/A	75	30	1,392
Other	7	12	10	5	13	8	N/A	9	3	N/A	10	2	79
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

DWELLING TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Manufactured Home	47,588	62,216	105,506	3,127	47,510	107,229	N/A	5,383	12,165	N/A	9,520	46,079	440,324
Single Family Dwelling	466,401	283,376	623,081	39,401	160,334	602,279	N/A	21,440	55,755	N/A	62,070	239,015	2,553,152
Duplex	25,945	13,978	31,436	4,140	9,543	34,320	N/A	623	1,014	N/A	2,448	4,973	128,418
Triplex	5,475	1,903	8,274	298	976	10,458	N/A	167	145	N/A	381	1,326	29,403
Fourplex	15,969	6,068	15,568	1,459	2,928	12,982	N/A	319	1,738	N/A	2,067	2,984	62,082
Fiveplex or More	100,660	24,188	79,668	6,731	10,308	78,071	N/A	699	2,752	N/A	4,080	9,945	317,101
Other	816	1,055	6,895	149	904	6,731	N/A	137	434	N/A	544	663	18,329
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-1: Dwelling Type by State
 Q16: Which of the following best describes your dwelling?

Table E-2: Ownership Type by State

Q18: Do you own your home, rent it, or occupy it under some other arrangement?

Raw Data

OWNERSHIP TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Own	2,697	2,790	915	1,234	2,620	1,007	N/A	1,485	389	N/A	1,190	783	15,120
Rent	989	828	290	607	734	342	N/A	349	105	N/A	268	128	4,640
Occupy without Payment	82	55	17	14	69	28	N/A	58	6	N/A	31	9	380
Don't Know	2	1	1	0	2	1	N/A	0	0	N/A	2	0	9
Refused	2	9	0	2	4	3	N/A	0	1	N/A	0	0	21
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	26,170

Weighted Data

OWNERSHIP TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Own	448,297	299,330	649,283	36,750	177,481	612,675	N/A	22,580	57,782	N/A	64,736	259,569	2,628,483
Rent	202,587	86,050	210,379	18,077	50,283	216,382	N/A	5,307	15,206	N/A	14,579	42,433	861,282
Occupy without Payment	10,942	6,272	9,803	417	4,379	14,307	N/A	882	869	N/A	1,686	2,984	52,541
Don't Know	363	142	964	0	145	181	N/A	0	0	N/A	109	0	1,902
Refused	666	988	0	60	217	2,524	N/A	0	145	N/A	0	0	4,601
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-2: Ownership Type by State

Q18: Do you own your home, rent it, or occupy it under some other arrangement?

Ownership Type

Table E-3: Year of Construction by State
Q20: In what year was your home constructed?

Raw Data

YEAR OF CONSTRUCTION	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Before 1950	911	687	261	311	787	295	N/A	363	109	N/A	299	184	4,207
1950-59	516	342	106	245	309	135	N/A	130	55	N/A	148	69	2,055
1960-69	390	409	139	359	386	152	N/A	174	59	N/A	168	88	2,324
1970-78	533	820	227	362	695	293	N/A	415	107	N/A	311	254	4,617
1979-85	393	472	156	133	443	155	N/A	348	60	N/A	172	120	2,452
1986-88	168	174	67	42	112	45	N/A	106	20	N/A	61	27	822
1989-92	242	259	76	81	178	75	N/A	127	21	N/A	102	59	1,220
Don't Know	617	528	191	323	517	230	N/A	227	79	N/A	230	119	3,061
Refused	2	3	0	1	2	1	N/A	2	1	N/A	0	0	12
TOTAL	3,172	3,694	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,481	929	20,170

Weighted Data

YEAR OF CONSTRUCTION	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Before 1950	193,884	72,516	166,536	9,262	47,596	175,516	N/A	5,520	15,785	N/A	16,266	60,997	763,678
1950-59	83,931	33,135	70,897	7,296	21,306	87,153	N/A	1,977	7,965	N/A	8,051	22,874	344,585
1960-69	72,270	44,580	100,504	10,692	27,704	99,474	N/A	2,646	8,544	N/A	9,139	29,172	404,725
1970-78	77,178	85,400	166,665	10,781	49,659	180,441	N/A	6,310	15,486	N/A	16,918	84,202	693,140
1979-85	59,042	51,864	119,078	3,961	30,134	89,443	N/A	5,292	8,689	N/A	9,357	39,781	416,649
1986-88	27,453	20,012	51,406	1,251	7,957	27,950	N/A	1,612	2,886	N/A	3,318	8,951	152,806
1989-92	42,089	29,841	63,368	2,412	13,812	49,226	N/A	1,931	3,041	N/A	5,549	19,559	230,829
Don't Know	106,644	54,992	131,974	9,619	34,118	136,686	N/A	3,452	11,441	N/A	12,512	39,449	540,887
Refused	363	354	0	30	217	181	N/A	30	145	N/A	0	0	1,319
TOTAL	662,854	392,783	870,429	55,304	232,594	846,069	N/A	28,789	71,002	N/A	81,110	304,985	3,548,809

Chart E-3: Year of Construction by State
 Q20: In what year was your home constructed?

Table E-4: Year of Occupancy by State

Q22: In what year did you move into your home?

Raw Data

YEAR OF OCCUPANCY	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Before 1950	81	72	16	24	67	30	N/A	44	11	N/A	36	27	408
1950-59	174	129	60	59	97	58	N/A	58	19	N/A	59	32	745
1960-69	281	217	88	135	248	102	N/A	122	38	N/A	109	68	1,408
1970-78	515	589	168	248	538	198	N/A	303	83	N/A	254	165	3,061
1979-85	635	675	224	264	628	253	N/A	438	94	N/A	255	168	3,634
1986-88	579	536	191	274	526	185	N/A	262	80	N/A	201	134	2,968
1989-92	1,487	1,456	472	844	1,307	543	N/A	655	184	N/A	574	325	7,847
Don't Know	19	18	4	7	16	11	N/A	10	2	N/A	3	0	90
Refused	1	2	0	2	2	1	N/A	0	0	N/A	0	1	9
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

YEAR OF OCCUPANCY	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Before 1950	15,150	7,554	10,484	715	4,090	14,668	N/A	669	1,593	N/A	1,953	8,951	65,832
1950-59	30,055	13,340	40,275	1,757	6,332	38,808	N/A	882	2,752	N/A	3,210	10,606	148,098
1960-69	55,673	23,452	60,679	4,020	17,939	64,013	N/A	1,855	5,503	N/A	5,930	22,542	261,606
1970-78	84,203	61,992	115,293	7,386	36,538	124,961	N/A	4,607	12,020	N/A	13,818	54,696	515,516
1979-85	102,645	73,905	157,744	7,862	42,255	148,769	N/A	6,660	13,613	N/A	13,872	55,683	623,018
1986-88	97,025	57,277	139,649	8,160	35,814	109,397	N/A	3,384	11,585	N/A	10,934	44,422	518,248
1989-92	275,382	152,215	343,548	25,136	88,379	337,259	N/A	9,960	26,647	N/A	31,225	107,739	1,398,490
Don't Know	2,388	1,907	2,758	208	1,013	7,273	N/A	152	290	N/A	163	0	16,152
Refused	333	140	0	60	145	841	N/A	0	0	N/A	0	332	1,850
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-4: Year of Occupancy by State

Q22: In what year did you move into your home?

Table E-5: Dwelling Size in Square Feet by State

Q24: What is the square footage of your home?

Raw Data

DWELLING SIZE IN SQUARE FEET	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
< 750	139	122	40	80	107	50	N/A	89	23	N/A	46	15	711
750 to < 1000	345	341	100	189	298	118	N/A	187	52	N/A	132	56	1,818
1000 to < 1250	404	455	136	310	427	199	N/A	224	67	N/A	221	141	2,584
1250 to < 1500	371	359	124	237	378	151	N/A	172	47	N/A	114	92	2,045
1500 to < 1750	341	357	110	191	347	156	N/A	162	42	N/A	126	78	1,910
1750 to < 2000	294	312	103	189	272	122	N/A	100	34	N/A	102	71	1,599
2000 to < 2500	383	375	153	153	315	123	N/A	163	38	N/A	154	98	1,955
2500 to < 3000	198	206	84	66	134	52	N/A	84	22	N/A	61	39	946
3000 or >	244	231	63	50	163	61	N/A	107	30	N/A	111	63	1,123
Don't Know	1,049	929	310	391	983	348	N/A	603	156	N/A	421	266	5,456
Refused	4	7	0	1	5	1	N/A	1	0	N/A	3	1	23
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

DWELLING SIZE IN SQUARE FEET	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
< 750	32,634	13,138	28,678	2,383	7,487	32,817	N/A	1,353	3,331	N/A	2,502	4,973	129,236
750 to < 1000	63,349	36,730	71,146	5,629	19,754	76,154	N/A	2,843	7,531	N/A	7,181	18,564	308,880
1000 to < 1250	72,994	49,165	92,680	9,232	30,346	119,194	N/A	3,406	9,703	N/A	12,022	46,742	445,484
1250 to < 1500	64,434	37,846	90,435	7,058	26,549	95,328	N/A	2,615	6,806	N/A	6,202	30,498	367,773
1500 to < 1750	61,715	39,215	81,330	5,688	23,479	96,882	N/A	2,463	6,082	N/A	6,854	25,857	349,577
1750 to < 2000	53,037	32,616	80,615	5,629	19,675	73,572	N/A	1,521	4,924	N/A	5,549	23,537	300,673
2000 to < 2500	63,887	40,260	117,284	4,557	22,965	75,735	N/A	2,479	5,503	N/A	8,378	32,488	373,534
2500 to < 3000	34,107	21,173	60,113	1,966	8,612	29,214	N/A	1,277	3,186	N/A	3,318	12,929	175,894
3000 or >	43,663	24,432	47,004	1,489	10,818	35,464	N/A	1,627	4,345	N/A	6,038	20,885	195,764
Don't Know	172,611	97,359	201,146	11,645	62,494	210,857	N/A	9,169	22,592	N/A	22,902	88,180	898,954
Refused	423	849	0	30	326	841	N/A	15	0	N/A	163	332	2,979
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-5: Dwelling Size in Square Feet by State

Q24: What is the square footage of your home?

Dwelling Size in Square Feet

Table E-6: Type of Foundation by State

Q26: What type of foundation does your home have?

Raw Data

TYPE OF FOUNDATION	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Basement	1,242	825	371	145	641	244	N/A	678	227	N/A	693	435	5,501
Crawl Space	1,185	1,477	399	866	1,513	628	N/A	675	153	N/A	357	252	7,505
Concrete Slab	530	656	191	328	648	224	N/A	275	58	N/A	185	121	3,216
Other	84	119	28	33	158	42	N/A	83	20	N/A	50	24	641
Not Asked	632	472	191	429	320	193	N/A	128	42	N/A	175	60	2,642
Don't Know	95	143	43	54	147	47	N/A	51	9	N/A	30	28	647
Refused	4	2	0	2	2	3	N/A	2	2	N/A	1	0	18
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

TYPE OF FOUNDATION	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Basement	216,555	79,227	230,324	4,318	35,955	136,571	N/A	10,309	32,874	N/A	37,699	144,205	928,038
Crawl Space	190,020	165,682	304,998	25,791	104,000	374,413	N/A	10,264	22,157	N/A	19,421	83,539	1,300,286
Concrete Slab	78,601	71,209	145,131	9,768	47,232	139,568	N/A	4,182	8,399	N/A	10,064	40,112	554,266
Other	11,608	12,784	19,307	983	10,492	23,443	N/A	1,262	2,896	N/A	2,720	7,956	93,451
Not Asked	148,865	47,192	141,841	12,776	24,660	142,561	N/A	1,946	6,082	N/A	9,520	19,890	555,334
Don't Know	17,084	16,476	28,827	1,608	10,021	28,311	N/A	775	1,303	N/A	1,632	9,282	115,321
Refused	120	212	0	60	145	1,202	N/A	30	290	N/A	54	0	2,113
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-6: Type of Foundation by State
 Q26: What type of foundation does your home have?

Table E-7: Cathedral or Vaulted Ceilings by State

Q30: Do you have any cathedral or vaulted ceilings in your home?

Raw Data

CATHEDRAL OR VAULTED CEILINGS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	700	814	295	375	727	278	N/A	390	105	N/A	254	157	4,085
No	3,056	2,859	924	1,470	2,682	1,103	N/A	1,496	405	N/A	1,231	758	15,984
Don't Know	16	21	4	12	20	0	N/A	6	1	N/A	6	5	91
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

CATHEDRAL OR VAULTED CEILINGS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	113,984	89,023	229,450	11,168	51,613	175,750	N/A	5,930	15,206	N/A	13,818	52,046	757,989
No	546,875	301,859	637,125	43,779	179,300	670,319	N/A	22,748	58,651	N/A	66,966	251,281	2,778,902
Don't Know	1,995	1,901	3,854	357	1,591	0	N/A	91	145	N/A	326	1,658	11,918
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-7: Cathedral or Vaulted Ceilings by State
Q30: Do you have any cathedral or vaulted ceilings in your home?

Cathedral or Vaulted Ceilings

Table E-8: Number of Living Rooms by State
Q32A: How many living rooms do you have in your home?

Raw Data

NUMBER OF LIVING ROOMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	5	11	1	19	4	1	N/A	3	2	N/A	6	0	52
One	3,616	3,566	1,170	1,789	3,318	1,339	N/A	1,811	489	N/A	1,405	855	19,358
Two	142	110	47	48	103	38	N/A	75	19	N/A	77	62	721
Three or More	8	6	5	1	4	3	N/A	3	1	N/A	3	3	37
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	1	1	0	0	0	0	N/A	0	0	N/A	0	0	2
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,481	929	20,170

Weighted Data

NUMBER OF LIVING ROOMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	756	1,129	964	566	289	181	N/A	46	290	N/A	326	0	4,545
One	637,275	380,159	833,062	53,279	225,160	823,287	N/A	27,537	70,816	N/A	76,432	283,437	3,410,444
Two	23,039	10,645	32,682	1,430	6,766	20,078	N/A	1,140	2,752	N/A	4,189	20,553	123,273
Three or More	1,754	779	3,722	30	289	2,524	N/A	46	145	N/A	163	995	10,447
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	30	70	0	0	0	0	N/A	0	0	N/A	0	0	100
TOTAL	662,854	392,783	870,429	55,304	232,504	846,089	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-8: Number of Living Rooms by State
Q32A: How many living rooms do you have in your home?

Table E-9: Number of Kitchens by State
Q32B: How many kitchens do you have in your home?

Raw Data

NUMBER OF KITCHENS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	3	3	2	3	2	1	N/A	5	0	N/A	5	0	24
One	3,708	3,651	1,198	1,832	3,394	1,363	N/A	1,859	507	N/A	1,464	909	19,885
Two	56	37	21	22	32	16	N/A	26	4	N/A	21	11	246
Three or More	4	2	2	0	1	1	N/A	2	0	N/A	1	0	13
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	1	1	0	0	0	0	N/A	0	0	N/A	0	0	2
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,491	929	28,170

Weighted Data

NUMBER OF KITCHENS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	696	282	831	89	145	841	N/A	76	0	N/A	272	0	3,232
One	651,848	388,839	852,369	54,560	230,225	832,907	N/A	28,267	73,423	N/A	79,641	301,338	3,483,416
Two	9,555	3,380	15,851	655	2,026	11,480	N/A	395	579	N/A	1,142	3,647	48,710
Three or More	726	212	1,379	0	108	841	N/A	30	0	N/A	54	0	3,351
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	30	70	0	0	0	0	N/A	0	0	N/A	0	0	100
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-9: Number of Kitchens by State
Q32B: How many kitchens do you have in your home?

Table E-10: Number of Kitchens with Eating Areas by State

Q32C: How many kitchens with eating areas do you have in your home?

Raw Data

NUMBER OF KITCHENS WITH EATING AREAS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-M	I-O	P-G	P-M	I-O	P-G	P-M	I-O	P-G	P-M	I-O	
Zero	1,427	1,378	462	743	1,189	480	N/A	625	157	N/A	430	289	7,169
One	2,313	2,298	750	1,104	2,223	891	N/A	1,250	353	N/A	1,048	645	12,875
Two	27	16	9	10	17	10	N/A	15	1	N/A	13	6	124
Three or More	4	1	2	0	0	0	N/A	2	0	N/A	0	0	9
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	1	1	0	0	0	0	N/A	0	0	N/A	0	0	2
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	929	20,179

Weighted Data

NUMBER OF KITCHENS WITH EATING AREAS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-M	I-O	P-G	P-M	I-O	P-G	P-M	I-O	P-G	P-M	I-O	
Zero	255,416	145,816	330,622	22,128	80,204	291,521	N/A	9,504	22,736	N/A	23,382	88,175	1,270,514
One	402,238	245,420	531,948	32,879	151,178	548,116	N/A	19,007	51,121	N/A	57,011	213,821	2,252,738
Two	4,445	1,407	6,480	298	1,122	6,431	N/A	228	145	N/A	707	1,989	23,251
Three or More	726	70	1,379	0	0	0	N/A	36	0	N/A	0	0	2,285
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	30	70	0	0	0	0	N/A	0	0	N/A	0	0	100
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,862	N/A	81,110	304,985	3,548,899

Chart E-10: Number of Kitchens with Eating Areas by State
Q32C: How many kitchens with eating areas do you have in your home?

Table E-11: Number of Dining Rooms by State

Q32D: How many dining rooms do you have in your home?

Raw Data

NUMBER OF DINING ROOMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	1,369	1,383	417	744	1,444	549	N/A	955	253	N/A	758	444	8,326
One	2,374	2,276	794	1,106	1,968	826	N/A	931	255	N/A	728	473	11,731
Two	17	15	9	6	17	6	N/A	5	3	N/A	5	3	86
Three or More	2	1	1	1	0	0	N/A	0	0	N/A	0	0	5
Don't Know	9	7	2	0	0	0	N/A	1	0	N/A	0	0	19
Refused	1	2	0	0	0	0	N/A	0	0	N/A	0	0	3
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,481	928	20,170

Weighted Data

NUMBER OF DINING ROOMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	237,629	147,584	281,778	22,157	95,659	335,038	N/A	14,521	36,639	N/A	41,235	147,188	1,359,439
One	420,418	242,874	581,474	32,938	135,579	507,304	N/A	14,156	36,929	N/A	39,603	156,802	2,168,077
Two	3,538	1,553	4,835	179	1,266	3,727	N/A	76	434	N/A	272	995	16,874
Three or More	363	142	964	30	0	0	N/A	0	0	N/A	0	0	1,486
Don't Know	876	480	1,379	0	0	0	N/A	15	0	N/A	0	0	2,760
Refused	30	140	0	0	0	0	N/A	0	0	N/A	0	0	170
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-11: Number of Dining Rooms by State
Q32D: How many dining rooms do you have in your home?

Table E-12: Number of Bedrooms by State

Q32E: How many bedrooms do you have in your home?

Raw Data

NUMBER OF BEDROOMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	18	5	0	17	14	6	N/A	4	0	N/A	2	1	67
One	314	227	87	162	208	75	N/A	137	36	N/A	91	27	1,364
Two	1,083	1,067	315	494	1,070	389	N/A	555	156	N/A	374	193	5,696
Three	1,567	1,640	539	858	1,556	678	N/A	799	197	N/A	590	399	8,823
Four	601	558	218	254	422	173	N/A	305	92	N/A	284	192	3,099
Five	149	162	55	52	122	48	N/A	80	25	N/A	130	86	909
Six or More	39	32	9	20	37	12	N/A	12	5	N/A	20	22	208
Don't know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	1	3	0	0	0	0	N/A	0	0	N/A	0	0	4
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

NUMBER OF BEDROOMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	5,384	494	0	506	1,013	2,405	N/A	61	0	N/A	109	332	10,303
One	72,102	24,296	61,908	4,825	14,613	53,191	N/A	2,083	5,213	N/A	4,950	8,951	252,132
Two	196,032	116,001	224,054	14,712	70,912	240,067	N/A	8,439	22,592	N/A	20,345	63,981	977,135
Three	259,023	176,083	388,376	25,552	107,147	415,821	N/A	12,149	28,529	N/A	32,096	132,271	1,577,047
Four	97,990	56,517	155,799	7,564	28,723	102,605	N/A	4,638	13,323	N/A	15,450	63,649	546,258
Five	24,763	15,794	36,005	1,549	7,384	25,848	N/A	1,216	3,620	N/A	7,072	28,509	151,760
Six or More	7,530	3,389	4,287	596	2,712	6,132	N/A	182	724	N/A	1,088	7,293	33,934
Don't know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	30	210	0	0	0	0	N/A	0	0	N/A	0	0	240
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-12: Number of Bedrooms by State

Q32E: How many bedrooms do you have in your home?

Table E-13: Number of Bathrooms by State

Q32F: How many bathrooms do you have in your home?

Raw Data

NUMBER OF BATHROOMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	2	5	1	2	1	1	N/A	8	2	N/A	2	0	24
One	1,654	1,526	498	807	1,602	629	N/A	897	271	N/A	636	369	8,889
Two	1,568	1,620	510	796	1,493	597	N/A	792	192	N/A	646	414	8,628
Three	481	472	190	230	300	136	N/A	183	41	N/A	180	112	2,325
Four	53	56	20	17	26	18	N/A	10	3	N/A	25	21	249
Five or More	13	13	4	5	7	0	N/A	2	2	N/A	2	4	52
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	1	2	0	0	0	0	N/A	0	0	N/A	0	0	3
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

NUMBER OF BATHROOMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	363	709	415	60	108	181	N/A	122	290	N/A	109	0	2,356
One	299,173	160,917	340,096	24,034	105,359	391,775	N/A	13,639	39,246	N/A	34,598	122,325	1,531,163
Two	266,015	174,755	363,720	23,706	103,346	363,530	N/A	12,043	27,805	N/A	35,142	137,243	1,507,305
Three	84,694	48,701	146,360	6,850	21,556	80,065	N/A	2,783	5,938	N/A	9,792	37,129	443,866
Four	9,767	6,075	17,080	506	1,592	10,519	N/A	152	434	N/A	1,360	6,962	54,448
Five or More	2,813	1,485	2,758	149	542	0	N/A	30	290	N/A	109	1,326	9,502
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	30	140	0	0	0	0	N/A	0	0	N/A	0	0	170
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-13: Number of Bathrooms by State

Q32F: How many bathrooms do you have in your home?

Table E-14: Number of Dens, Studies, Libraries, or Sewing Rooms by State

Q38A: How many dens, studies, libraries, or sewing rooms do you have in your home?

Raw Data

NUMBER OF DENS, STUDIES, LIBRARIES OR SEWING ROOMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	2,826	2,737	886	1,468	2,592	1,054	N/A	1,348	370	N/A	1,061	657	14,999
One	835	848	286	349	753	299	N/A	502	125	N/A	379	229	4,605
Two	82	75	34	29	68	25	N/A	35	13	N/A	36	29	426
Three or More	13	20	9	11	14	3	N/A	5	2	N/A	14	4	95
Don't Know	14	12	7	0	2	0	N/A	2	1	N/A	1	1	40
Refused	2	2	1	0	0	0	N/A	0	0	N/A	0	0	5
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

NUMBER OF DENS, STUDIES, LIBRARIES OR SEWING ROOMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	498,185	291,668	632,302	43,719	174,591	644,951	N/A	20,497	53,583	N/A	57,718	217,799	2,635,013
One	145,892	90,109	201,043	10,394	52,125	185,490	N/A	7,633	18,102	N/A	20,617	75,915	807,320
Two	13,666	7,836	25,089	864	4,775	13,765	N/A	532	1,863	N/A	1,958	9,614	79,982
Three or More	2,510	2,190	6,480	328	869	1,863	N/A	76	290	N/A	762	1,326	16,693
Don't Know	2,540	840	5,101	0	145	0	N/A	30	145	N/A	54	332	9,186
Refused	60	140	415	0	0	0	N/A	0	0	N/A	0	0	616
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-14: Number of Dens, Studies, Libraries, or Sewing Rooms by State
Q38A: How many dens, studies, libraries, or sewing rooms do you have in your home?

Table E-15: Number of Family or Recreation Rooms by State

Q38B: How many family or recreation rooms do you have in your home?

Raw Data

NUMBER OF FAMILY OR RECREATION ROOMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	2,497	2,417	761	1,291	2,555	945	N/A	1,445	368	N/A	952	561	13,792
One	1,217	1,208	435	550	855	422	N/A	426	136	N/A	499	336	6,084
Two	40	56	19	13	17	14	N/A	20	5	N/A	38	23	245
Three or More	5	3	1	3	1	0	N/A	0	1	N/A	1	0	15
Don't Know	11	8	6	0	1	0	N/A	1	1	N/A	1	0	29
Refused	2	2	1	0	0	0	N/A	0	0	N/A	0	0	5
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,451	920	20,170

Weighted Data

NUMBER OF FAMILY OR RECREATION ROOMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	443,187	259,857	525,554	38,448	171,807	580,995	N/A	21,972	53,293	N/A	51,789	185,975	2,332,876
One	208,539	126,803	324,339	16,380	59,647	256,599	N/A	6,478	19,695	N/A	27,145	111,386	1,157,011
Two	7,560	5,141	14,472	387	905	8,475	N/A	304	724	N/A	2,067	7,625	47,680
Three or More	1,058	282	964	89	108	0	N/A	0	145	N/A	54	0	2,701
Don't Know	2,450	560	4,137	0	36	0	N/A	15	145	N/A	54	0	7,397
Refused	60	140	964	0	0	0	N/A	0	0	N/A	0	0	1,164
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-15: Number of Family or Recreation Rooms by State

Q38B: How many family or recreation rooms do you have in your home?

Table E-16: Number of Utility or Work Rooms by State
Q38C: How many utility or work rooms do you have in your home?

Raw Data

NUMBER OF UTILITY OR WORK ROOMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	1,549	1,380	468	888	1,253	546	N/A	767	207	N/A	543	310	7,931
One	2,131	2,231	725	941	2,111	814	N/A	1,091	294	N/A	904	582	11,824
Two	85	71	25	18	52	16	N/A	30	9	N/A	42	27	375
Three or More	1	2	1	0	3	5	N/A	2	0	N/A	2	1	17
Don't Know	5	8	3	0	0	0	N/A	2	1	N/A	0	0	19
Refused	1	2	1	0	0	0	N/A	0	0	N/A	0	0	4
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,481	920	28,170

Weighted Data

NUMBER OF UTILITY OR WORK ROOMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	298,435	147,897	335,308	26,744	87,142	352,339	N/A	11,663	29,977	N/A	29,539	102,767	1,421,809
One	345,609	236,922	513,887	28,024	141,996	480,026	N/A	16,589	42,576	N/A	48,177	192,936	2,047,744
Two	16,783	6,981	16,416	536	3,113	10,819	N/A	456	1,303	N/A	2,285	8,951	67,643
Three or More	333	212	964	0	253	2,885	N/A	30	0	N/A	109	332	5,117
Don't Know	1,664	632	2,891	0	0	0	N/A	30	145	N/A	0	0	5,362
Refused	30	140	964	0	0	0	N/A	0	0	N/A	0	0	1,134
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-16: Number of Utility or Work Rooms by State
Q38C: How many utility or work rooms do you have in your home?

Table E-17: Number of Other Small Rooms by State

Q380: How many other small rooms (80 square feet or less) do you have in your home?

Raw Data

NUMBER OF OTHER SMALL ROOMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	3,163	3,112	1,016	1,664	2,900	1,201	N/A	1,556	413	N/A	1,161	742	17,000
One	491	491	168	165	373	158	N/A	297	82	N/A	274	153	2,652
Two	73	53	24	19	47	12	N/A	24	13	N/A	42	16	323
Three	13	8	4	6	11	5	N/A	4	1	N/A	6	3	61
Four or More	6	7	3	1	11	2	N/A	5	0	N/A	5	1	41
Don't Know	23	20	8	2	7	3	N/A	6	2	N/A	3	5	79
Refused	3	3	0	0	0	0	N/A	0	0	N/A	0	0	6
TOTAL	3,772	3,694	1,223	1,857	3,429	1,301	N/A	1,882	511	N/A	1,491	928	28,179

Weighted Data

NUMBER OF OTHER SMALL ROOMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	559,175	332,215	731,260	49,556	203,953	738,235	N/A	23,660	59,819	N/A	63,158	245,977	3,085,989
One	86,205	51,971	114,196	4,914	23,702	95,271	N/A	4,516	11,875	N/A	14,906	50,720	458,277
Two	11,277	5,219	13,808	566	3,003	7,453	N/A	365	1,883	N/A	2,265	5,304	51,162
Three	2,510	919	2,758	179	832	2,224	N/A	61	145	N/A	326	955	10,949
Four or More	483	562	2,343	30	544	1,022	N/A	76	0	N/A	272	332	5,882
Don't Know	3,113	1,615	6,064	60	470	1,853	N/A	91	290	N/A	163	1,658	15,389
Refused	90	282	0	0	0	0	N/A	0	0	N/A	0	0	372
TOTAL	652,854	392,783	870,429	55,304	232,594	846,989	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-17: Number of Other Small Rooms by State

Q38D: How many other small rooms (80 square feet or less) do you have in your home?

Table E-18: Number of Other Large Rooms by State

Q38E: How many other large rooms (more than 80 square feet) do you have in your home?

Raw Data

NUMBER OF OTHER LARGE ROOMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	3,485	3,421	1,126	1,760	3,198	1,297	N/A	1,764	483	N/A	1,364	856	18,754
One	231	212	70	90	201	65	N/A	109	27	N/A	103	54	1,162
Two	16	18	7	3	11	9	N/A	7	0	N/A	12	4	87
Three	4	5	4	1	5	2	N/A	2	0	N/A	7	2	32
Four or More	4	4	3	1	4	4	N/A	0	0	N/A	1	0	21
Don't know	29	30	13	2	10	4	N/A	10	1	N/A	4	4	187
Refused	3	4	0	0	0	0	N/A	0	0	N/A	0	0	7
TOTAL	3,772	3,684	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,481	928	20,170

Weighted Data

NUMBER OF OTHER LARGE ROOMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	613,054	364,981	801,626	52,415	217,416	790,582	N/A	26,823	69,947	N/A	74,201	263,769	3,294,824
One	41,456	21,952	49,912	2,680	13,062	41,473	N/A	1,657	3,910	N/A	5,603	17,901	198,687
Two	2,600	1,978	4,553	89	760	6,912	N/A	106	0	N/A	653	1,326	18,977
Three	423	566	2,758	30	326	361	N/A	30	0	N/A	381	663	5,537
Four or More	725	280	2,343	30	289	3,365	N/A	0	0	N/A	54	0	7,087
Don't know	4,505	2,675	9,238	60	651	3,365	N/A	152	145	N/A	218	1,326	22,334
Refused	90	352	0	0	0	0	N/A	0	0	N/A	0	0	442
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-18: Number of Other Large Rooms by State
Q38E: How many other large rooms (more than 80 square feet) do you have in your home?

Number of Other Large Rooms

Table E-19: Primary Multi-Unit Heating System Type by State

Q44: When you heat your home, do you primarily rely on....?

Raw Data

PRIMARY MULTI-UNIT HEATING SYSTEM TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Central Heat - All Units	101	47	30	58	39	16	N/A	18	11	N/A	21	13	354
Central Heat - Several Units	14	9	3	6	7	3	N/A	5	1	N/A	6	0	54
Heating System for Single Unit	505	405	154	359	271	173	N/A	104	30	N/A	145	47	2,193
Unit Not Heated	3	3	1	0	1	0	N/A	1	0	N/A	2	0	11
Not Asked	3,140	3,222	1,032	1,428	3,109	1,188	N/A	1,764	469	N/A	1,316	860	17,528
Don't Know	9	8	3	6	2	1	N/A	0	0	N/A	1	0	30
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

PRIMARY MULTI-UNIT HEATING SYSTEM TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Central Heat - All Units	25,740	4,727	19,041	1,727	2,713	11,480	N/A	274	1,593	N/A	1,142	4,310	72,746
Central Heat - Several Units	2,237	845	1,794	179	470	1,863	N/A	76	145	N/A	326	0	7,937
Heating System for Single Unit	117,500	40,634	118,248	10,692	21,151	128,377	N/A	1,581	4,345	N/A	7,888	15,581	465,996
Unit Not Heated	998	210	415	0	108	0	N/A	15	0	N/A	109	0	1,856
Not Asked	513,989	345,591	728,588	42,528	207,845	703,508	N/A	26,823	67,920	N/A	71,590	285,095	2,993,475
Don't Know	2,390	775	2,343	179	217	841	N/A	0	0	N/A	54	0	6,799
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-19: Primary Multi-Unit Heating System Type by State
 Q44: When you heat your home, do you primarily rely on...?

Table E-20: Primary Space-Heating Fuel Type by State
Q46: What fuel do you use to heat your home?

Raw Data

PRIMARY SPACE-HEATING FUEL TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	TOTAL
Electricity	2,561	2,440	508	1,295	1,539	526	N/A	587	83	N/A	759	323	10,621
Natural Gas	502	246	346	236	389	380	N/A	201	198	N/A	281	274	3,053
Fuel Oil	293	170	119	83	218	138	N/A	196	26	N/A	77	106	1,426
Wood or Presto Logs	258	718	190	161	1,149	292	N/A	723	161	N/A	279	162	4,093
Propane or Bottled Gas	10	31	18	2	60	10	N/A	148	28	N/A	42	30	379
Kerosene	6	0	0	1	7	3	N/A	1	0	N/A	0	0	18
Coal	0	3	1	0	2	1	N/A	1	0	N/A	17	10	35
Solar	1	4	1	1	3	1	N/A	1	1	N/A	3	0	16
Geothermal	0	1	0	0	0	5	N/A	2	0	N/A	0	0	8
Other	7	9	1	4	11	5	N/A	7	2	N/A	2	2	50
No Heat	1	2	1	0	0	0	N/A	0	0	N/A	0	0	4
Not Asked	127	67	37	70	49	20	N/A	24	12	N/A	30	13	449
Don't Know	5	3	1	4	2	0	N/A	1	0	N/A	1	0	17
Refused	1	0	0	0	0	0	N/A	0	0	N/A	0	0	1
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

PRIMARY SPACE-HEATING FUEL TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	TOTAL
Electricity	347,953	253,776	366,726	38,567	118,561	334,850	N/A	8,926	12,020	N/A	41,289	107,076	1,629,745
Natural Gas	149,796	27,207	253,378	7,028	22,626	260,249	N/A	3,056	28,674	N/A	15,286	90,832	858,134
Fuel Oil	82,669	18,007	82,328	2,472	12,238	82,408	N/A	2,980	3,765	N/A	4,189	35,140	326,196
Wood or Presto Logs	44,084	81,514	126,077	4,795	70,611	142,594	N/A	10,994	23,316	N/A	15,178	53,704	572,866
Propane or Bottled Gas	2,117	3,535	15,701	60	3,259	5,110	N/A	2,250	4,055	N/A	2,285	9,945	48,317
Kerosene	1,997	0	0	30	326	2,524	N/A	15	0	N/A	0	0	4,892
Coal	0	354	415	0	73	181	N/A	15	0	N/A	925	3,315	5,277
Solar	30	352	415	30	253	181	N/A	15	145	N/A	163	0	1,584
Geothermal	0	142	0	0	0	903	N/A	30	0	N/A	0	0	1,075
Other	2,027	917	415	119	832	2,885	N/A	106	290	N/A	109	663	8,363
No Heat	30	140	415	0	0	0	N/A	0	0	N/A	0	0	585
Not Asked	31,365	6,558	23,594	2,085	3,508	14,184	N/A	365	1,738	N/A	1,632	4,310	89,338
Don't Know	756	282	964	119	217	0	N/A	15	0	N/A	54	0	2,407
Refused	30	0	0	0	0	0	N/A	0	0	N/A	0	0	30
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-20: Primary Space-Heating Fuel Type by State
Q46: What fuel do you use to heat your home?

Primary Space-Heating Fuel Type

Table E-21: Primary Space-Heating Equipment Type by State

Q48: Which type of heating equipment do you use most to heat your home?

Raw Data

PRIMARY SPACE-HEATING EQUIPMENT TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Steam or Hot Water Radiators	51	20	19	14	36	15	N/A	40	26	N/A	13	11	249
Wall, Floor, or Ceiling Units	56	28	40	34	61	40	N/A	33	18	N/A	18	24	352
Portable Units	4	4	0	4	8	4	N/A	9	3	N/A	4	2	42
Central Furnace	685	386	416	266	536	446	N/A	439	192	N/A	368	371	4,105
Other	3	9	3	3	25	21	N/A	19	13	N/A	9	7	112
Not Asked	2,961	3,244	739	1,535	2,753	849	N/A	1,345	259	N/A	1,074	500	15,259
Don't Know	12	3	5	1	10	2	N/A	7	0	N/A	5	5	50
Refused	0	0	1	0	0	0	N/A	0	0	N/A	0	0	1
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

PRIMARY SPACE-HEATING EQUIPMENT TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Steam or Hot Water Radiators	15,155	2,190	15,020	417	2,028	12,021	N/A	608	3,765	N/A	707	3,647	55,558
Wall, Floor, or Ceiling Units	15,608	2,804	32,515	1,013	3,152	26,386	N/A	502	2,607	N/A	979	7,956	93,611
Portable Units	1,331	424	0	119	507	2,044	N/A	137	434	N/A	218	663	5,876
Central Furnace	200,099	42,179	297,808	7,922	31,494	297,277	N/A	6,675	27,805	N/A	20,019	122,989	1,054,267
Other	696	1,061	2,343	89	980	11,061	N/A	289	1,883	N/A	490	2,321	21,211
Not Asked	426,275	343,681	518,607	45,714	193,982	495,597	N/A	20,452	37,508	N/A	58,425	165,753	2,305,993
Don't Know	3,691	354	3,174	30	363	1,683	N/A	106	0	N/A	272	1,658	11,329
Refused	0	0	964	0	0	0	N/A	0	0	N/A	0	0	964
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,965	3,548,809

Chart E-21: Primary Space-Heating Equipment Type by State
Q48: Which type of heating equipment do you use most to heat your home?

Primary Space-Heating Equipment Type

Table E-22: Primary Electric Space-Heating Equipment Type by State

Q50: Which type of electric heating equipment do you use most to heat your home?

Raw Data

PRIMARY ELECTRIC SPACE-HEATING EQUIPMENT TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Heat Pump	211	332	48	152	229	90	N/A	14	2	N/A	47	35	1,160
Portable Room Heater	48	48	7	25	46	11	N/A	10	4	N/A	5	5	210
Radiant Panels	199	266	43	556	221	71	N/A	58	5	N/A	211	92	1,722
Steam or Hot Water Radiators	21	9	5	1	10	5	N/A	3	3	N/A	5	4	66
Central Furnace	965	946	177	220	539	152	N/A	148	28	N/A	221	109	3,505
Baseboard or Wall Units	1,097	820	219	312	483	193	N/A	350	40	N/A	261	72	3,853
Other	5	8	2	9	4	1	N/A	1	0	N/A	5	2	37
Not Asked	1,211	1,254	715	562	1,890	855	N/A	1,305	428	N/A	732	597	9,549
Don't Know	14	11	7	13	7	3	N/A	3	1	N/A	4	4	67
Refused	1	0	0	0	0	0	N/A	0	0	N/A	0	0	1
TOTAL	3,772	3,694	1,223	1,857	3,429	1,361	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

PRIMARY ELECTRIC SPACE-HEATING EQUIPMENT TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Heat Pump	23,601	33,153	31,453	4,527	16,888	57,221	N/A	213	290	N/A	2,557	11,603	181,506
Portable Room Heater	6,590	4,940	5,101	774	3,255	5,951	N/A	152	579	N/A	272	1,658	29,273
Radiant Panels	33,834	30,978	34,309	16,558	19,480	49,825	N/A	882	724	N/A	11,478	30,498	228,568
Steam or Hot Water Radiators	4,264	845	3,174	30	795	3,546	N/A	46	434	N/A	272	1,326	14,732
Central Furnace	95,624	92,224	124,513	6,552	40,753	88,901	N/A	2,250	4,055	N/A	12,022	36,134	503,028
Baseboard or Wall Units	180,108	89,587	161,148	9,470	36,414	127,362	N/A	5,322	5,793	N/A	14,198	23,868	653,271
Other	1,058	919	831	268	433	181	N/A	15	0	N/A	272	3	4,641
Not Asked	314,901	139,007	503,703	16,737	113,943	511,219	N/A	19,843	61,982	N/A	39,821	197,909	1,919,064
Don't Know	2,843	1,129	6,197	387	542	1,863	N/A	46	145	N/A	218	1,326	14,686
Refused	30	0	0	0	0	0	N/A	0	0	N/A	0	0	30
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-22: Primary Electric Space-Heating Equipment Type by State
Q50: Which type of electric heating equipment do you use most to heat your home?

Weighted Data

Primary Electric Space-Heating Equipment Type

Table E-23: Primary Wood Space-Heating Equipment Type by State
Q52: Which type of wood heating equipment do you use most to heat your home?

Raw Data		Washington			Oregon			Montana			Idaho			TOTAL
PRIMARY WOOD SPACE-HEATING EQUIPMENT TYPE		P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	TOTAL
Free Standing Stove		178	510	124	88	908	221	N/A	562	126	N/A	213	118	3,048
Free Standing Pellet Stove		16	61	24	14	66	13	N/A	30	10	N/A	16	14	264
Central Furnace		15	33	8	1	37	5	N/A	59	7	N/A	16	6	187
Fireplace with an Insert		38	96	30	53	117	46	N/A	58	15	N/A	27	17	497
Fireplace without an Insert		11	11	4	5	19	7	N/A	12	2	N/A	6	7	84
Not Asked		3,514	2,976	1,033	1,696	2,280	1,088	N/A	1,169	350	N/A	1,212	758	16,077
Don't Know		0	7	0	0	2	0	N/A	2	1	N/A	1	0	13
Refused		0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL		3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,481	928	20,170

Weighted Data		Washington			Oregon			Montana			Idaho			TOTAL
PRIMARY WOOD SPACE-HEATING EQUIPMENT TYPE		P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	TOTAL
Free Standing Stove		27,754	57,614	83,857	2,621	54,727	105,324	N/A	8,546	18,247	N/A	11,587	39,118	408,365
Free Standing Pellet Stove		3,206	7,072	14,904	417	3,621	4,991	N/A	456	1,448	N/A	870	4,641	41,626
Central Furnace		1,965	3,100	3,323	30	2,352	2,865	N/A	887	1,014	N/A	870	1,989	18,428
Fireplace with an Insert		9,618	11,318	20,686	1,578	8,355	24,826	N/A	882	2,172	N/A	1,469	5,636	86,541
Fireplace without an Insert		1,542	1,489	3,306	149	1,338	4,568	N/A	182	290	N/A	326	2,321	15,511
Not Asked		618,770	311,269	744,352	50,509	161,883	703,475	N/A	17,775	50,686	N/A	65,932	251,281	2,975,943
Don't Know		0	921	0	0	217	0	N/A	30	145	N/A	54	0	1,367
Refused		0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL		662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-23: Primary Wood Space-Heating Equipment Type by State
Q52: Which type of wood heating equipment do you use most to heat your home?

Primary Wood Space-Heating Equipment Type

Not Asked: Respondents were asked this question if they answered Q45 'Wood or Presto Logs'

Table E-24: Fireplace Equipment by State
Q54: Does your fireplace have...?

Raw Data

FIREPLACE EQUIPMENT	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Recirculating Fan	5	3	2	2	8	4	N/A	10	2	N/A	4	4	44
Glass Doors on Front	5	2	1	0	5	1	N/A	1	0	N/A	1	2	10
None	1	6	1	3	6	1	N/A	1	0	N/A	1	1	21
Not Asked	3,761	3,683	1,219	1,852	3,410	1,374	N/A	1,888	588	N/A	1,485	913	28,886
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	0	0	0	0	0	1	N/A	0	0	N/A	0	0	1
TOTAL	3,772	3,694	1,223	1,857	3,428	1,381	N/A	1,882	511	N/A	1,491	926	28,176

Weighted Data

FIREPLACE EQUIPMENT	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Recirculating Fan	453	354	1,379	60	579	2,044	N/A	152	298	N/A	218	1,326	6,853
Glass Doors on Front	756	284	964	0	182	841	N/A	15	0	N/A	54	683	3,758
None	333	851	964	89	578	841	N/A	15	0	N/A	54	332	4,857
Not Asked	661,312	381,294	867,123	55,155	231,166	841,501	N/A	28,537	73,712	N/A	88,784	302,664	3,533,288
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	0	0	0	0	0	841	N/A	0	0	N/A	0	0	841
TOTAL	662,854	382,783	870,429	55,384	232,384	846,888	N/A	28,788	74,002	N/A	81,110	304,985	3,548,809

Chart E-24: Fireplace Equipment by State Q54: Does your fireplace have...?

Fireplace Equipment

Table E-25: Presence of Secondary Space-Heating Fuel by State
Q56: Do you use any other fuel besides [primary fuel type] to heat your home?

Raw Data

PRESENCE OF SECONDARY SPACE-HEATING FUEL	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	1,026	1,321	440	595	1,545	573	N/A	969	231	N/A	613	405	7,739
No	2,610	2,300	744	1,187	1,831	789	N/A	877	268	N/A	847	500	11,952
Not Asked	134	72	39	74	51	20	N/A	25	12	N/A	31	13	471
Don't Know	2	1	0	1	2	0	N/A	1	0	N/A	0	1	8
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	929	28,170

Weighted Data

PRESENCE OF SECONDARY SPACE-HEATING FUEL	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	190,079	147,002	309,423	17,720	97,083	320,208	N/A	15,038	33,453	N/A	33,347	134,591	1,297,955
No	439,928	238,660	536,033	35,351	131,469	511,677	N/A	13,335	38,811	N/A	46,077	165,753	2,157,893
Not Asked	32,181	6,979	24,973	2,204	3,725	14,184	N/A	380	1,738	N/A	1,686	4,310	92,369
Don't Know	666	142	0	30	217	0	N/A	15	0	N/A	0	332	1,491
TOTAL	662,854	392,793	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,609

Chart E-25: Presence of Secondary Space-Heating Fuel by State
 Q56: Do you use any other fuel besides [primary fuel type] to heat your home?

Table E-26: Secondary Space-Heating Fuel Type by State

Q68: Other than [primary fuel type] what fuel do you use most to heat your home?

Raw Data

SECONDARY SPACE-HEATING FUEL TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Electricity	303	468	149	150	677	194	N/A	433	88	N/A	191	105	2,758
Natural Gas	29	18	18	24	61	35	N/A	14	18	N/A	22	16	255
Fuel Oil	21	30	13	5	80	18	N/A	56	11	N/A	15	19	268
Wood or Presto Logs	648	761	243	402	668	312	N/A	414	82	N/A	349	247	4,126
Propane or Bottled Gas	6	10	6	4	39	6	N/A	67	30	N/A	25	12	205
Kerosene	9	11	9	3	6	1	N/A	1	0	N/A	2	1	43
Coal	1	2	0	0	0	0	N/A	0	0	N/A	4	5	12
Solar	1	3	0	1	3	1	N/A	0	2	N/A	1	0	12
Geothermal	0	2	0	0	0	0	N/A	0	0	N/A	0	0	2
Other	5	8	2	4	8	6	N/A	1	0	N/A	1	0	35
Not Asked	2,746	2,373	783	1,262	1,884	808	N/A	903	280	N/A	878	514	12,431
Don't Know	2	7	0	2	3	0	N/A	3	0	N/A	3	1	21
Refused	1	1	0	0	0	0	N/A	0	0	N/A	0	0	2
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

SECONDARY SPACE-HEATING FUEL TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Electricity	66,323	52,590	95,887	4,467	41,297	99,128	N/A	6,584	12,744	N/A	10,390	34,808	424,218
Natural Gas	6,018	1,907	11,863	715	2,935	17,553	N/A	213	2,607	N/A	1,197	5,304	50,312
Fuel Oil	4,264	3,106	8,690	149	3,697	9,197	N/A	852	1,593	N/A	816	6,299	38,662
Wood or Presto Logs	108,787	84,955	178,793	11,972	45,725	187,176	N/A	6,295	11,875	N/A	18,985	81,882	736,446
Propane or Bottled Gas	483	1,059	4,685	119	1,848	2,405	N/A	1,019	4,345	N/A	1,360	3,978	21,302
Kerosene	2,692	1,273	8,124	89	434	841	N/A	15	0	N/A	109	332	13,510
Coal	30	284	0	0	0	0	N/A	0	0	N/A	218	1,658	2,189
Solar	333	354	0	30	181	841	N/A	0	290	N/A	54	0	2,083
Geothermal	0	140	0	0	0	0	N/A	0	0	N/A	0	0	140
Other	453	775	1,379	119	723	3,066	N/A	15	0	N/A	54	0	6,585
Not Asked	472,775	245,781	561,006	37,584	135,411	525,861	N/A	13,731	40,549	N/A	47,763	170,394	2,250,854
Don't Know	666	490	0	60	253	0	N/A	46	0	N/A	163	332	2,008
Refused	30	70	0	0	0	0	N/A	0	0	N/A	0	0	100
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-26: Secondary Space-Heating Fuel Type by State
 Q68: Other than [primary fuel type] what fuel do you use most to heat your home?

Weighted Data

Secondary Space-Heating Fuel Type

Table E-27: Secondary Space-Heating Equipment Type by State

Q69: Which of the following types of [secondary heating fuel] heating equipment do you use most to heat your home?

Raw Data

SECONDARY SPACE-HEATING EQUIPMENT TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Steam or Hot Water Radiators	2	3	1	2	9	3	N/A	11	2	N/A	0	2	35
Wall, Floor, or Ceiling Units	5	10	7	4	16	2	N/A	8	7	N/A	4	5	68
Portable Units	13	12	11	3	9	2	N/A	10	3	N/A	3	3	69
Central Furnace	36	39	26	17	140	50	N/A	88	43	N/A	53	34	526
Other	7	6	1	6	7	3	N/A	15	3	N/A	6	7	61
Not Asked	3,706	3,623	1,177	1,821	3,243	1,321	N/A	1,754	452	N/A	1,423	867	19,387
Don't Know	2	1	0	3	5	0	N/A	6	1	N/A	2	2	22
Refused	1	0	0	1	0	0	N/A	0	0	N/A	0	0	2
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

SECONDARY SPACE-HEATING EQUIPMENT TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Steam or Hot Water Radiators	60	426	964	60	471	1,863	N/A	167	290	N/A	0	663	4,963
Wall, Floor, or Ceiling Units	1,361	844	5,101	119	725	1,022	N/A	122	1,014	N/A	218	1,658	12,182
Portable Units	3,418	1,415	8,955	89	687	1,022	N/A	152	434	N/A	163	995	17,331
Central Furnace	7,439	4,167	17,380	506	6,452	24,227	N/A	1,338	6,227	N/A	2,883	11,271	81,891
Other	816	636	964	179	326	1,863	N/A	228	434	N/A	326	2,321	8,093
Not Asked	649,366	385,155	837,066	54,232	223,589	816,072	N/A	26,671	65,458	N/A	77,411	287,415	3,422,434
Don't Know	363	142	0	89	254	0	N/A	91	145	N/A	109	663	1,856
Refused	30	0	0	30	0	0	N/A	0	0	N/A	0	0	60
TOTAL	662,854	392,763	870,429	55,304	232,504	846,069	N/A	28,769	71,002	N/A	81,110	304,985	3,548,809

Chart E-27: Secondary Space-Heating Equipment Type by State

Q69: Which of the following types of [secondary heating fuel] heating equipment do you use most to heat your home?

Secondary Space-Heating Equipment Type

Table E-28: Secondary Electric Space-Heating Equipment Type by State

Q70: Which type of [secondary] electric heating equipment do you use most to heat your home?

Raw Data

SECONDARY ELECTRIC SPACE-HEATING EQUIPMENT TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Heat Pump	7	14	4	2	14	19	N/A	3	0	N/A	3	7	73
Portable Room Heater	73	55	23	31	98	32	N/A	45	9	N/A	29	11	406
Radiant Panels	30	49	10	43	75	26	N/A	32	7	N/A	24	25	321
Steam or Hot Water Radiators	5	4	1	0	3	2	N/A	2	0	N/A	1	0	18
Central Furnace	55	117	49	14	245	57	N/A	81	15	N/A	49	23	705
Baseboard or Wall Units	130	220	56	55	235	57	N/A	258	56	N/A	85	37	1,189
Other	0	5	2	3	3	0	N/A	7	1	N/A	0	1	22
Not Asked	3,469	3,226	1,074	1,707	2,752	1,187	N/A	1,459	423	N/A	1,300	815	17,412
Don't Know	3	3	4	2	4	1	N/A	3	0	N/A	0	1	21
Refused	0	1	0	0	0	0	N/A	2	0	N/A	0	0	3
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,491	920	20,170

Weighted Data

SECONDARY ELECTRIC SPACE-HEATING EQUIPMENT TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Heat Pump	1,421	1,267	1,662	60	869	10,700	N/A	46	0	N/A	163	2,321	18,507
Portable Room Heater	16,725	6,077	14,489	923	6,008	17,012	N/A	684	1,303	N/A	1,578	3,647	68,446
Radiant Panels	5,746	5,801	6,347	1,281	5,101	10,642	N/A	487	1,014	N/A	1,306	8,288	46,010
Steam or Hot Water Radiators	1,664	352	415	0	109	1,683	N/A	30	0	N/A	54	0	4,308
Central Furnace	10,437	12,572	34,061	417	13,723	28,134	N/A	1,232	2,172	N/A	2,666	7,625	113,034
Baseboard or Wall Units	29,636	25,459	36,421	1,638	14,945	30,777	N/A	3,923	8,110	N/A	4,624	12,266	167,802
Other	0	566	831	89	253	0	N/A	106	145	N/A	0	332	2,322
Not Asked	596,531	340,193	774,542	50,837	191,207	746,941	N/A	22,185	61,258	N/A	70,720	270,177	3,124,591
Don't Know	696	354	1,662	60	289	181	N/A	46	0	N/A	0	332	3,618
Refused	0	142	0	0	0	0	N/A	30	0	N/A	0	0	172
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-28: Secondary Electric Space-Heating Equipment Type by State
 Q70: Which type of [secondary] electric heating equipment do you use most to heat your home?

Secondary Electric Space-Heating Equipment Type

Table E-29: Secondary Wood Space-Heating Equipment Type by State

Q72: Which type of [secondary] wood heating equipment do you use most to heat your home?

Raw Data

SECONDARY WOOD SPACE-HEATING EQUIPMENT TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Free Standing Stove	247	349	108	112	375	170	N/A	271	46	N/A	195	142	2,015
Free Standing Pellet Stove	15	36	15	5	25	10	N/A	27	5	N/A	19	9	166
Central Furnace	8	21	2	1	13	3	N/A	12	1	N/A	9	3	73
Fireplace with an Insert	194	234	70	147	147	73	N/A	69	18	N/A	84	66	1,102
Fireplace without an Insert	180	116	46	134	107	56	N/A	35	10	N/A	41	25	750
Not Asked	3,124	2,933	980	1,455	2,761	1,069	N/A	1,478	429	N/A	1,142	673	16,044
Don't Know	4	5	2	3	1	0	N/A	0	2	N/A	1	2	20
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

SECONDARY WOOD SPACE-HEATING EQUIPMENT TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Free Standing Stove	37,397	39,518	78,306	3,336	24,855	91,490	N/A	4,121	6,662	N/A	10,608	47,074	343,367
Free Standing Pellet Stove	2,873	3,813	11,165	149	1,700	5,770	N/A	411	724	N/A	1,034	2,984	30,623
Central Furnace	241	1,973	831	30	688	1,863	N/A	182	145	N/A	490	995	7,437
Fireplace with an Insert	37,013	26,295	52,653	4,378	10,021	47,543	N/A	1,049	2,607	N/A	4,570	21,879	208,007
Fireplace without an Insert	30,841	13,006	34,459	3,991	8,352	40,509	N/A	532	1,448	N/A	2,230	8,288	143,656
Not Asked	554,067	307,828	691,636	43,332	186,779	658,893	N/A	22,474	62,127	N/A	62,124	223,103	2,812,363
Don't Know	423	350	1,379	89	108	0	N/A	0	290	N/A	54	663	3,357
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,965	3,548,809

Chart E-29: Secondary Wood Space-Heating Equipment Type by State
Q72: Which type of [secondary] wood heating equipment do you use most to heat your home?

Table E-30: Secondary Fireplace Equipment by State
Q74: Does your fireplace have...?

Raw Data

SECONDARY FIREPLACE EQUIPMENT	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Recirculating Fan	48	41	12	21	38	18	N/A	21	5	N/A	14	8	226
Glass Doors on Front	74	39	16	49	47	21	N/A	11	4	N/A	20	12	293
None	58	36	18	64	22	17	N/A	3	1	N/A	6	5	230
Not Asked	3,592	3,578	1,177	1,723	3,322	1,325	N/A	1,857	501	N/A	1,450	885	19,428
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	1	0	1
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,481	928	20,170

Weighted Data

SECONDARY FIREPLACE EQUIPMENT	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Recirculating Fan	5,076	4,522	8,274	625	2,821	12,501	N/A	319	724	N/A	762	2,652	38,278
Glass Doors on Front	11,610	4,095	9,388	1,459	3,652	15,026	N/A	167	579	N/A	1,088	3,978	51,042
None	14,155	4,388	16,797	1,906	1,880	12,982	N/A	46	145	N/A	326	1,658	54,282
Not Asked	632,013	379,777	835,970	51,313	224,152	805,560	N/A	28,237	72,554	N/A	78,880	296,887	3,485,153
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	54	0	54
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,882	N/A	81,110	304,985	3,548,869

Chart E-30: Secondary Fireplace Equipment by State Q74: Does your fireplace have...?

Secondary Fireplace Equipment

Table E-31: Changed Fuel Type in Past Year by State
Q76: In the past year, have you changed the fuel type you use most to heat your home?

Raw Data

CHANGED FUEL TYPE IN PAST YEAR	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	119	97	52	40	129	62	N/A	65	17	N/A	45	41	687
No	3,510	3,513	1,128	1,734	3,231	1,295	N/A	1,795	480	N/A	1,412	865	18,963
Not Asked	128	69	38	70	49	20	N/A	24	12	N/A	30	13	453
Don't Know	15	15	5	13	20	4	N/A	8	2	N/A	4	1	87
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	3,772	3,694	1,273	1,857	3,429	1,381	N/A	1,882	511	N/A	1,491	929	28,179

Weighted Data

CHANGED FUEL TYPE IN PAST YEAR	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	25,979	10,813	41,337	1,191	7,638	34,323	N/A	988	2,462	N/A	2,448	13,582	148,772
No	602,002	373,791	800,812	51,841	220,127	795,518	N/A	27,294	69,513	N/A	76,812	286,752	3,394,263
Not Asked	31,395	6,698	24,009	2,085	3,508	14,184	N/A	385	1,738	N/A	1,632	4,310	88,904
Don't Know	3,478	1,481	4,270	387	1,231	2,044	N/A	122	290	N/A	218	332	13,851
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,789	74,002	N/A	81,110	304,985	3,548,809

Chart E-31: Changed Fuel Type in Past Year by State
Q76: In the past year, have you changed the fuel type you use most to heat your home?

Table E-32: Primary Fuel Type Prior to Change by State
Q88: What fuel was used most to heat your home before you switched?

Raw Data

PRIMARY FUEL TYPE PRIOR TO CHANGE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-M	I-O	P-G	P-M	I-O	P-G	P-M	I-O	P-G	P-M	I-O	
Electricity	40	29	27	15	36	17	N/A	28	4	N/A	17	12	217
Natural Gas	6	2	1	6	12	2	N/A	7	1	N/A	8	5	59
Fuel Oil	41	15	11	2	16	16	N/A	10	3	N/A	7	7	128
Wood or Presto Logs	25	41	10	17	54	23	N/A	23	8	N/A	11	10	222
Propane or Bottled Gas	1	4	3	0	4	0	N/A	5	0	N/A	0	4	21
Kerosene	1	0	0	0	0	0	N/A	0	0	N/A	0	0	1
Coal	0	1	0	0	3	1	N/A	0	0	N/A	1	2	8
Solar	0	1	0	0	0	0	N/A	0	0	N/A	0	0	1
Geothermal	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Other	3	4	0	0	3	0	N/A	0	1	N/A	1	0	12
Not Asked	3,653	3,597	1,171	1,817	3,300	1,319	N/A	1,827	484	N/A	1,465	579	19,593
Don't Know	1	0	0	0	1	3	N/A	0	0	N/A	0	0	5
Refused	1	0	0	0	0	0	N/A	0	0	N/A	0	1	2
TOTAL	3,772	3,694	1,273	1,857	3,429	1,381	N/A	1,882	511	N/A	1,481	928	28,170

Weighted Data

PRIMARY FUEL TYPE PRIOR TO CHANGE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-M	I-O	P-G	P-M	I-O	P-G	P-M	I-O	P-G	P-M	I-O	
Electricity	10,284	3,108	21,084	447	2,388	10,338	N/A	304	579	N/A	925	3,978	53,435
Natural Gas	1,089	284	964	179	724	1,683	N/A	106	145	N/A	435	1,658	7,285
Fuel Oil	9,709	1,625	8,955	60	1,229	10,158	N/A	152	434	N/A	381	2,321	35,823
Wood or Presto Logs	3,779	4,738	7,992	506	2,753	10,100	N/A	350	1,159	N/A	598	3,315	35,298
Propane or Bottled Gas	30	424	2,343	0	145	0	N/A	76	0	N/A	0	1,325	4,344
Kerosene	333	0	0	0	0	0	N/A	0	0	N/A	0	0	333
Coal	0	142	0	0	109	181	N/A	0	0	N/A	54	663	1,149
Solar	0	142	0	0	0	0	N/A	0	0	N/A	0	0	142
Geothermal	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Other	383	352	0	0	181	0	N/A	0	145	N/A	54	0	1,125
Not Asked	636,875	381,970	829,092	54,113	224,866	811,746	N/A	27,781	71,540	N/A	78,562	291,393	3,488,837
Don't Know	30	0	0	0	108	1,863	N/A	0	0	N/A	0	0	2,882
Refused	333	0	0	0	0	0	N/A	0	0	N/A	0	332	664
TOTAL	662,854	382,783	878,429	55,384	232,584	845,888	N/A	28,788	74,082	N/A	81,118	384,985	3,548,888

Chart E-32: Primary Fuel Type Prior to Change by State
Q88: What fuel was used most to heat your home before you switched?

Primary Fuel Type Prior to Change

Table E-33: Daytime Heating by State

Q89: During the winter, do you heat your home more than half of the time between 9 A.M. and 5 P.M. weekdays?

Raw Data

DAYTIME HEATING	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	2,286	2,437	729	1,049	2,361	860	N/A	1,439	351	N/A	1,024	618	13,154
No	1,252	1,082	420	669	936	461	N/A	383	128	N/A	389	261	5,981
Not Asked	128	69	38	70	49	20	N/A	24	12	N/A	30	13	453
Don't Know	105	105	36	68	83	40	N/A	45	19	N/A	48	27	576
Refused	1	1	0	1	0	0	N/A	1	1	N/A	0	1	6
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

DAYTIME HEATING	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	349,667	255,723	501,844	31,241	154,316	512,122	N/A	21,881	50,831	N/A	55,705	204,870	2,138,200
No	263,469	118,991	317,012	19,924	70,009	294,699	N/A	5,824	18,537	N/A	21,161	86,523	1,216,148
Not Asked	31,395	6,698	24,009	2,085	3,508	14,184	N/A	365	1,738	N/A	1,632	4,310	89,924
Don't Know	18,293	11,301	27,564	2,025	4,671	25,064	N/A	684	2,752	N/A	2,611	8,951	103,917
Refused	30	70	0	30	0	0	N/A	15	145	N/A	0	332	621
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-33: Daytime Heating by State

Q89: During the winter, do you heat your home more than half of the time between 9 A.M. and 5 P.M. weekdays?

Table E-34: Natural Gas Available in Neighborhood by State

Q90: Is natural gas available in your neighborhood?

Raw Data

NATURAL GAS AVAILABLE IN NEIGHBORHOOD	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	1,058	883	314	847	878	434	N/A	220	71	N/A	461	234	5,400
No	1,392	1,806	389	266	1,642	338	N/A	1,297	188	N/A	578	318	8,214
Not Asked	664	334	402	335	509	436	N/A	246	229	N/A	341	308	3,804
Don't Know	658	670	118	408	400	173	N/A	129	23	N/A	111	60	2,750
Refused	0	1	0	1	0	0	N/A	0	0	N/A	0	0	2
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

NATURAL GAS AVAILABLE IN NEIGHBORHOOD	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	205,268	93,852	218,157	25,225	58,177	277,929	N/A	3,345	10,282	N/A	25,078	77,572	994,885
No	164,467	192,660	273,983	7,922	114,160	163,456	N/A	19,722	27,226	N/A	31,443	105,419	1,100,456
Not Asked	187,965	35,953	289,251	9,977	29,721	292,828	N/A	3,741	33,163	N/A	18,550	102,104	1,003,252
Don't Know	105,153	70,249	89,039	12,151	30,446	111,856	N/A	1,962	3,331	N/A	6,038	19,880	450,115
Refused	0	70	0	30	0	0	N/A	0	0	N/A	0	0	100
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-34: Natural Gas Available in Neighborhood by State

Q90: Is natural gas available in your neighborhood?

Table E-35: Presence of Air Conditioning by State

Q92: Do you have air conditioning in your home?

Raw Data

PRESENCE OF AIR CONDITIONING	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	1,565	1,653	340	454	1,065	445	N/A	228	66	N/A	276	296	6,388
No	2,205	2,040	882	1,403	2,363	936	N/A	1,663	445	N/A	1,214	624	13,775
Don't Know	2	1	1	0	1	0	N/A	1	0	N/A	1	0	7
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

PRESENCE OF AIR CONDITIONING	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	91,581	139,618	172,494	13,521	61,221	250,839	N/A	3,467	9,558	N/A	15,014	98,126	855,439
No	570,607	253,095	697,519	41,783	171,175	595,230	N/A	25,287	64,444	N/A	66,041	206,859	2,692,041
Don't Know	666	70	415	0	108	0	N/A	15	0	N/A	54	0	1,329
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-35: Presence of Air Conditioning by State

Q92: Do you have air conditioning in your home?

Table E-36: Multi-Unit Air Conditioning System by State

Q94: What type of system do you have...?

Raw Data

MULTI-UNIT AIR CONDITIONING SYSTEM	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Central A/C - Cools All Units	25	20	8	3	6	3	N/A	1	0	N/A	3	1	70
A/C - Cools Several Units	3	5	0	0	0	0	N/A	1	0	N/A	0	0	9
A/C - Cools Single Unit	148	205	48	66	85	36	N/A	6	1	N/A	28	25	648
Not Asked	3,503	3,461	1,166	1,788	3,337	1,342	N/A	1,884	509	N/A	1,460	894	19,434
Don't Know	3	3	1	0	1	0	N/A	0	1	N/A	0	0	9
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

MULTI-UNIT AIR CONDITIONING SYSTEM	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Central A/C - Cools All Units	2,266	1,472	4,420	89	506	1,863	N/A	15	0	N/A	163	332	11,126
A/C - Cools Several Units	393	422	0	0	0	0	N/A	15	0	N/A	0	0	830
A/C - Cools Single Unit	8,085	15,137	21,037	1,966	4,455	21,038	N/A	91	145	N/A	1,523	8,288	81,766
Not Asked	652,020	375,470	844,557	53,249	227,434	823,168	N/A	28,647	73,712	N/A	79,424	296,366	3,454,047
Don't Know	90	282	415	0	108	0	N/A	0	145	N/A	0	0	1,041
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	662,854	392,763	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-36: Multi-Unit Air Conditioning System by State

Q94: What type of system do you have...?

Table E-37: Most-Used Air Conditioning Equipment System Type by State
Q96: What type of air conditioning system do you use most?

Raw Data	MOST-USED AIR CONDITIONING EQUIPMENT SYSTEM TYPE	Washington			Oregon			Montana			Idaho			TOTAL
		P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
	Central Electric System	584	613	108	66	232	114	N/A	65	15	N/A	55	105	1,957
	Central Gas System	8	18	15	8	13	17	N/A	3	2	N/A	3	15	102
	Evaporative Swamp Cooler	114	70	15	6	98	24	N/A	40	16	N/A	69	55	507
	Heat Pump	198	336	57	167	247	122	N/A	16	4	N/A	55	45	1,247
	Individual Window or Wall Units	607	570	129	199	452	157	N/A	97	27	N/A	85	72	2,385
	Not Asked	2,238	2,069	882	1,406	2,371	939	N/A	1,666	446	N/A	1,218	625	13,879
	Don't Know	21	17	7	4	15	8	N/A	5	1	N/A	6	3	87
	Refused	2	1	0	1	1	0	N/A	0	0	N/A	0	0	5
	TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,481	928	28,170

Weighted Data	MOST-USED AIR CONDITIONING EQUIPMENT SYSTEM TYPE	Washington			Oregon			Montana			Idaho			TOTAL
		P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
	Central Electric System	26,349	47,716	51,983	1,966	12,314	56,929	N/A	988	2,172	N/A	2,982	34,808	238,228
	Central Gas System	1,451	1,763	8,972	238	904	10,338	N/A	46	290	N/A	163	4,973	28,139
	Evaporative Swamp Cooler	3,733	5,330	7,328	179	4,063	9,620	N/A	608	2,317	N/A	3,754	18,233	55,164
	Heat Pump	20,789	33,936	33,547	4,973	18,118	78,198	N/A	243	579	N/A	2,982	14,918	208,294
	Individual Window or Wall Units	35,213	47,222	62,910	5,926	24,409	88,482	N/A	1,475	3,910	N/A	4,624	23,868	298,041
	Not Asked	574,021	255,340	702,770	41,873	171,888	597,083	N/A	25,333	64,589	N/A	66,259	207,191	2,706,366
	Don't Know	935	1,333	2,908	119	761	5,409	N/A	76	145	N/A	326	985	13,007
	Refused	363	142	0	30	36	0	N/A	0	0	N/A	0	0	571
	TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	71,002	N/A	81,110	304,985	3,548,809

Chart E-37: Most-Used Air Conditioning Equipment System Type by State
Q96: What type of air conditioning system do you use most?

Table E-38: Number of Window or Wall Air Conditioning Units by State

Q98: How many window or wall air conditioning units do you have in your home?

Raw Data

NUMBER OF WINDOW OR WALL AIR CONDITIONING UNITS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	1	0	0	1	1	0	N/A	0	0	N/A	1	0	4
One	484	467	110	176	366	136	N/A	87	23	N/A	77	63	1,989
Two	95	88	16	20	73	20	N/A	9	3	N/A	4	5	334
Three	18	13	2	2	9	1	N/A	0	0	N/A	2	1	48
Four	3	0	0	0	1	0	N/A	0	0	N/A	0	1	5
Five	1	2	0	0	0	0	N/A	0	0	N/A	0	0	3
Six	1	0	0	0	1	0	N/A	1	0	N/A	0	0	3
Seven	1	0	0	0	0	0	N/A	0	0	N/A	0	0	1
Eleven	1	0	0	0	0	0	N/A	0	0	N/A	0	0	1
Not Asked	3,165	3,124	1,084	1,658	2,977	1,224	N/A	1,795	484	N/A	1,406	848	17,775
Don't Know	2	0	1	0	1	0	N/A	0	1	N/A	1	1	7
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,491	929	28,170

Weighted Data

NUMBER OF WINDOW OR WALL AIR CONDITIONING UNITS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	30	0	0	30	36	0	N/A	0	0	N/A	54	0	151
One	28,788	39,223	53,372	5,242	19,846	76,761	N/A	1,323	3,331	N/A	4,189	20,885	252,959
Two	4,977	6,877	7,743	596	3,947	11,541	N/A	137	434	N/A	218	1,989	38,460
Three	1,147	982	831	60	471	181	N/A	0	0	N/A	109	332	4,111
Four	90	0	0	0	36	0	N/A	0	0	N/A	0	332	658
Five	30	140	0	0	0	0	N/A	0	0	N/A	0	0	170
Six	30	0	0	0	36	0	N/A	15	0	N/A	0	0	82
Seven	30	0	0	0	0	0	N/A	0	0	N/A	0	0	30
Eleven	30	0	0	0	0	0	N/A	0	0	N/A	0	0	30
Not Asked	627,641	345,561	807,519	49,378	208,085	757,587	N/A	27,294	70,082	N/A	76,486	281,117	3,250,768
Don't Know	60	0	964	0	36	0	N/A	0	145	N/A	54	332	1,591
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	682,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,082	N/A	81,110	304,985	3,548,809

Chart E-38: Number of Window or Wall Air Conditioning Units by State
Q98: How many window or wall air conditioning units do you have in your home?

Table E-39: Multi-Unit Water-Heating System by State

Q100: Is most of the hot water you use heated by...?

Raw Data

MULTI-UNIT WATER-HEATING SYSTEM	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Central Water Heater for All Units	149	63	39	79	56	21	N/A	28	15	N/A	38	12	500
Central Water Heater for Several Units	24	14	5	19	10	5	N/A	4	1	N/A	5	1	88
Central Water Heater for Single Unit	440	383	142	314	247	159	N/A	94	26	N/A	132	47	1,984
No Hot Water in Unit	4	3	3	1	0	2	N/A	2	0	N/A	0	0	15
Not Asked	3,140	3,222	1,032	1,428	3,109	1,188	N/A	1,764	469	N/A	1,316	860	17,528
Don't Know	14	9	2	16	7	6	N/A	0	0	N/A	0	0	54
Refused	1	0	0	0	0	0	N/A	0	0	N/A	0	0	1
TOTAL	3,772	3,684	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

MULTI-UNIT WATER-HEATING SYSTEM	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Central Water Heater for All Units	38,383	5,990	27,714	2,353	3,762	15,886	N/A	426	2,172	N/A	2,067	3,978	102,532
Central Water Heater for Several Units	4,052	1,339	3,722	566	651	3,546	N/A	61	145	N/A	272	332	14,685
Central Water Heater for Single Unit	102,226	38,807	106,684	9,351	19,703	117,919	N/A	1,429	3,765	N/A	7,181	15,581	422,647
No Hot Water in Unit	726	354	2,343	30	0	1,022	N/A	30	0	N/A	0	0	4,504
Not Asked	513,989	345,591	728,588	42,528	207,845	703,508	N/A	26,823	67,920	N/A	71,590	285,095	2,983,475
Don't Know	3,145	702	1,379	477	542	4,387	N/A	0	0	N/A	0	0	10,632
Refused	333	0	0	0	0	0	N/A	0	0	N/A	0	0	333
TOTAL	662,854	392,783	870,429	55,304	232,504	846,869	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-39: Multi-Unit Water-Heating System by State
 Q100: Is most of the hot water you use heated by...?

Weighted Data

Multi-Unit Water-Heating Systems

Table E-40: Primary Water-Heating Fuel Type by State

Q102: What fuel do you use most for heating water in your home?

Raw Data

PRIMARY WATER-HEATING FUEL TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Electricity	3,179	3,369	918	1,538	2,965	1,047	N/A	1,564	288	N/A	1,192	675	16,735
Natural Gas	347	155	230	182	288	271	N/A	154	171	N/A	194	196	2,188
Fuel Oil	6	6	3	3	5	2	N/A	3	0	N/A	1	1	30
Wood	4	18	1	0	15	0	N/A	22	5	N/A	7	2	74
Propane or Bottled Gas	18	37	12	3	58	12	N/A	106	28	N/A	47	25	346
Solar	0	5	1	7	12	8	N/A	0	0	N/A	2	2	37
Other	1	1	1	0	4	0	N/A	1	0	N/A	1	1	10
No Hot Water In Home	0	1	0	0	2	0	N/A	0	0	N/A	0	1	4
Not Asked	192	89	49	115	73	34	N/A	34	16	N/A	43	13	658
Don't Know	25	13	8	9	7	7	N/A	8	3	N/A	4	4	88
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

PRIMARY WATER-HEATING FUEL TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Electricity	497,304	357,029	634,084	45,804	204,561	619,898	N/A	23,782	41,708	N/A	64,844	223,766	2,712,779
Natural Gas	107,298	18,107	182,164	5,420	16,509	188,364	N/A	2,342	24,764	N/A	10,554	64,975	620,496
Fuel Oil	1,997	636	2,343	89	326	1,022	N/A	46	0	N/A	54	332	6,843
Wood	1,028	2,050	415	0	1,121	0	N/A	335	724	N/A	381	663	6,718
Propane or Bottled Gas	2,660	4,530	10,467	89	3,331	5,471	N/A	1,612	4,055	N/A	2,557	8,288	43,059
Solar	0	566	415	208	796	2,105	N/A	0	0	N/A	109	663	4,863
Other	30	70	415	0	289	0	N/A	15	0	N/A	54	332	1,206
No Hot Water In Home	0	142	0	0	145	0	N/A	0	0	N/A	0	332	618
Not Asked	46,639	8,385	35,157	3,425	4,956	24,642	N/A	517	2,317	N/A	2,339	4,310	132,686
Don't Know	5,898	1,269	4,968	268	470	4,568	N/A	122	434	N/A	218	1,326	19,541
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-40: Primary Water-Heating Fuel Type by State

Q102: What fuel do you use most for heating water in your home?

Table E-41: Stove-Top Fuel Type by State

Q116: What fuel does your stove-top use?

Raw Data

STOVE-TOP FUEL TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Electricity	3,609	3,520	1,136	1,754	3,192	1,264	N/A	1,691	449	N/A	1,362	838	18,815
Natural Gas	127	74	67	85	115	90	N/A	45	33	N/A	57	49	742
Propane or Bottled Gas	26	76	13	8	97	18	N/A	129	22	N/A	61	27	477
Kerosene	0	1	1	0	1	1	N/A	4	0	N/A	1	0	9
Wood	4	11	3	1	12	5	N/A	19	6	N/A	5	5	71
Other	1	1	0	0	7	0	N/A	0	0	N/A	1	0	10
No Stove-Top Burners	2	6	1	6	4	1	N/A	1	0	N/A	1	0	22
Don't Know	3	4	2	3	1	2	N/A	2	1	N/A	3	1	22
Refused	0	1	0	0	0	0	N/A	1	0	N/A	0	0	2
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

STOVE-TOP FUEL TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Electricity	622,839	373,131	803,588	52,237	217,991	772,078	N/A	25,713	65,023	N/A	74,092	277,802	3,284,493
Natural Gas	36,208	8,485	52,503	2,531	6,841	59,203	N/A	684	4,779	N/A	3,101	16,244	190,579
Propane or Bottled Gas	2,901	8,553	10,334	238	5,972	10,519	N/A	1,962	3,186	N/A	3,318	8,951	55,934
Kerosene	0	142	415	0	36	841	N/A	61	0	N/A	54	0	1,550
Wood	120	1,201	2,343	30	796	1,564	N/A	289	869	N/A	272	1,658	9,141
Other	30	142	0	0	614	0	N/A	0	0	N/A	54	0	841
No Stove-Top Burners	60	564	415	179	217	841	N/A	15	0	N/A	54	0	2,346
Don't Know	696	424	831	89	36	1,022	N/A	30	145	N/A	163	332	3,768
Refused	0	142	0	0	0	0	N/A	15	0	N/A	0	0	157
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-41: Stove-Top Fuel Type by State

Q116: What fuel does your stove-top use?

Table E-42: Number of Cooking Ovens by State

Q118: How many ovens, not including microwave ovens or toaster ovens, do you use for cooking?

Raw Data

NUMBER OF COOKING OVENS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	65	57	26	34	49	18	N/A	33	9	N/A	22	6	319
One	3,312	3,275	1,071	1,672	3,004	1,220	N/A	1,664	453	N/A	1,317	820	17,808
Two	373	341	116	144	360	132	N/A	188	46	N/A	149	89	1,938
Three	14	16	9	6	13	8	N/A	6	2	N/A	2	4	80
Four	5	2	0	1	2	2	N/A	0	1	N/A	1	1	15
Five	1	0	0	0	0	0	N/A	0	0	N/A	0	0	1
Six	1	1	0	0	0	0	N/A	0	0	N/A	0	0	2
Don't Know	1	2	1	0	1	1	N/A	1	0	N/A	0	0	7
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

NUMBER OF COOKING OVENS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	11,339	5,858	19,024	1,013	3,508	9,858	N/A	502	1,303	N/A	1,197	1,989	55,591
One	581,819	348,510	765,621	49,795	204,104	747,613	N/A	25,302	65,603	N/A	71,644	271,834	3,131,845
Two	66,916	36,371	79,985	4,289	23,951	80,003	N/A	2,859	6,662	N/A	8,106	29,504	338,644
Three	1,632	1,551	5,383	179	832	6,070	N/A	91	290	N/A	109	1,326	17,453
Four	756	212	0	30	73	383	N/A	0	145	N/A	54	332	3,284
Five	30	0	0	0	0	0	N/A	0	0	N/A	0	0	30
Six	333	70	0	0	0	0	N/A	0	0	N/A	0	0	403
Don't Know	30	212	415	0	36	841	N/A	15	0	N/A	0	0	1,550
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,965	3,548,809

Chart E-42: Number of Cooking Ovens by State

Q118: How many ovens, not including microwave ovens or toaster ovens, do you use for cooking?

Number of Cooking Ovens

Table E-43: Cooking Oven Fuel Type by State

Q120: What fuel does your oven use?

Raw Data

COOKING OVEN FUEL TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Electricity	3,571	3,505	1,136	1,747	3,189	1,257	N/A	1,892	448	N/A	1,360	847	18,752
Natural Gas	106	68	51	68	111	84	N/A	46	34	N/A	50	47	665
Other	26	60	8	8	77	21	N/A	119	19	N/A	58	20	416
Not Asked	66	59	27	34	50	19	N/A	34	9	N/A	22	6	326
Don't Know	3	2	1	0	1	0	N/A	1	1	N/A	1	0	10
Refused	0	0	0	0	1	0	N/A	0	0	N/A	0	0	1
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

COOKING OVEN FUEL TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Electricity	618,063	372,297	805,780	52,028	217,450	768,171	N/A	25,728	64,878	N/A	73,984	280,785	3,279,164
Natural Gas	30,128	7,418	38,729	2,025	6,696	56,138	N/A	699	4,924	N/A	2,720	15,581	165,058
Other	2,598	6,787	6,064	238	4,597	11,061	N/A	1,809	2,752	N/A	3,155	6,630	45,692
Not Asked	11,369	6,070	19,440	1,013	3,545	10,700	N/A	517	1,303	N/A	1,197	1,989	57,141
Don't Know	696	212	415	0	108	0	N/A	15	145	N/A	54	0	1,646
Refused	0	0	0	0	108	0	N/A	0	0	N/A	0	0	108
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-43: Cooking Oven Fuel Type by State
Q120: What fuel does your oven use?

Cooking Oven Fuel Type

Table E-44: Presence of Microwave Oven by State

Q122: Do you have a microwave oven in your home that you use at least occasionally?

Raw Data

PRESENCE OF MICROWAVE OVEN	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	3,335	3,367	1,107	1,564	3,115	1,239	N/A	1,658	460	N/A	1,355	860	18,050
No	437	326	116	293	313	142	N/A	234	51	N/A	136	50	2,108
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	0	1	0	0	1	0	N/A	0	0	N/A	0	0	2
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

PRESENCE OF MICROWAVE OVEN	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	573,733	357,580	787,703	46,578	211,088	757,652	N/A	25,211	66,616	N/A	73,712	285,095	3,185,067
No	89,121	34,962	82,726	8,726	21,379	88,417	N/A	3,558	7,386	N/A	7,398	19,890	363,564
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	0	142	0	0	36	0	N/A	0	0	N/A	0	0	178
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-44: Presence of Microwave Oven by State

Q122: Do you have a microwave oven in your home that you use at least occasionally?

Table E-45: Number of Refrigerators by State

Q124A: How many refrigerators do you have in your home?

Raw Data

NUMBER OF REFRIGERATORS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	0	2	0	0	5	2	N/A	8	1	N/A	4	2	24
One	3,086	3,025	1,009	1,559	2,756	1,140	N/A	1,577	447	N/A	1,299	793	16,691
Two	633	617	197	277	626	221	N/A	288	63	N/A	173	117	3,212
Three	39	46	14	18	38	17	N/A	18	0	N/A	11	6	207
Four	10	1	0	2	2	1	N/A	1	0	N/A	0	2	19
Five	1	0	1	0	0	0	N/A	0	0	N/A	2	0	4
Six	1	0	0	0	0	0	N/A	0	0	N/A	0	0	1
Seven	0	1	0	0	0	0	N/A	0	0	N/A	0	0	1
Don't Know	0	0	2	0	0	0	N/A	0	0	N/A	1	0	3
Refused	2	2	0	1	2	0	N/A	0	0	N/A	1	0	8
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

NUMBER OF REFRIGERATORS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	0	212	0	0	398	1,022	N/A	122	145	N/A	218	663	2,779
One	558,977	324,258	726,159	46,429	186,886	700,128	N/A	23,979	64,734	N/A	70,665	262,884	2,965,098
Two	97,440	63,161	132,822	8,249	42,183	134,400	N/A	4,379	9,124	N/A	9,411	38,786	539,955
Three	5,108	4,729	9,105	536	2,749	10,338	N/A	274	0	N/A	598	1,989	35,426
Four	906	70	0	60	217	181	N/A	15	0	N/A	0	663	2,111
Five	30	0	964	0	0	0	N/A	0	0	N/A	109	0	1,103
Six	333	0	0	0	0	0	N/A	0	0	N/A	0	0	333
Seven	0	70	0	0	0	0	N/A	0	0	N/A	0	0	70
Don't Know	0	0	1,379	0	0	0	N/A	0	0	N/A	54	0	1,433
Refused	60	284	0	30	73	0	N/A	0	0	N/A	54	0	501
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-45: Number of Refrigerators by State

Q124A: How many refrigerators do you have in your home?

Number of Refrigerators

Table E-46: Number of Televisions by State

Q124B: How many televisions do you have in your home?

Raw Data

NUMBER OF TELEVISIONS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	53	71	16	43	65	14	N/A	66	11	N/A	23	11	373
One	1,737	1,633	520	842	1,759	619	N/A	1,132	258	N/A	738	429	9,667
Two	1,257	1,208	414	591	1,089	496	N/A	466	176	N/A	458	296	6,451
Three	530	546	199	265	399	177	N/A	181	52	N/A	204	131	2,684
Four	143	159	54	78	88	52	N/A	33	12	N/A	45	26	690
Five	36	52	12	25	19	15	N/A	13	2	N/A	16	22	212
Six	8	16	5	6	2	6	N/A	0	0	N/A	3	3	49
Seven	2	2	0	0	3	1	N/A	0	0	N/A	0	1	9
Eight	2	2	0	3	0	0	N/A	0	0	N/A	1	1	9
Nine	0	0	0	1	0	0	N/A	0	0	N/A	0	0	1
Ten	0	0	0	0	0	0	N/A	1	0	N/A	0	0	1
Fourteen	0	0	0	0	0	0	N/A	0	0	N/A	1	0	1
Seventeen	0	0	0	1	0	0	N/A	0	0	N/A	0	0	1
Don't Know	2	0	2	1	1	0	N/A	0	0	N/A	1	0	7
Refused	2	5	1	1	4	1	N/A	0	0	N/A	1	0	15
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Table E-46: Number of Televisions by State
Q124B: How many televisions do you have in your home?

Weighted Data		Washington			Oregon			Montana			Idaho			TOTAL
NUMBER OF TELEVISIONS		P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero		7,043	7,700	10,484	1,281	4,666	9,797	N/A	1,004	1,593	N/A	1,251	3,647	48,465
One		294,709	172,862	371,163	25,076	115,526	366,841	N/A	17,213	37,363	N/A	40,147	142,216	1,583,116
Two		216,401	126,875	289,850	17,601	74,268	310,931	N/A	7,086	25,488	N/A	24,915	98,126	1,191,540
Three		102,815	59,414	146,261	7,892	29,401	113,239	N/A	2,752	7,531	N/A	11,098	43,427	523,831
Four		29,425	17,237	36,138	2,323	6,365	31,857	N/A	502	1,738	N/A	2,448	8,619	136,652
Five		8,650	5,867	10,467	745	1,482	9,977	N/A	198	290	N/A	870	7,293	45,840
Six		2,057	1,838	3,722	179	145	2,405	N/A	0	0	N/A	163	995	11,503
Seven		363	212	0	0	253	181	N/A	0	0	N/A	0	332	1,340
Eight		666	212	0	89	0	0	N/A	0	0	N/A	54	332	1,353
Nine		0	0	0	30	0	0	N/A	0	0	N/A	0	0	30
Ten		0	0	0	0	0	0	N/A	15	0	N/A	0	0	15
Fourteen		0	0	0	0	0	0	N/A	0	0	N/A	54	0	54
Seventeen		0	0	0	30	0	0	N/A	0	0	N/A	0	0	30
Don't Know		666	0	1,379	30	108	0	N/A	0	0	N/A	54	0	2,237
Refused		60	566	964	30	289	841	N/A	0	0	N/A	54	0	2,804
TOTAL		662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-46: Number of Televisions by State

Q124B: How many televisions do you have in your home?

Table E-47: Number of Personal Computers by State

Q124C: How many personal computers do you have in your home?

Raw Data

NUMBER OF PERSONAL COMPUTERS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	2,730	2,590	842	1,122	2,581	1,000	N/A	1,516	385	N/A	1,044	631	14,441
One	929	977	327	634	771	341	N/A	345	112	N/A	408	255	5,099
Two	73	98	38	80	61	30	N/A	26	13	N/A	28	31	478
Three	13	11	6	12	7	7	N/A	2	0	N/A	4	3	65
Four	4	0	1	4	2	0	N/A	1	0	N/A	3	0	15
Five	0	2	0	2	1	1	N/A	1	0	N/A	0	0	7
Six	1	0	0	1	0	1	N/A	0	0	N/A	0	0	3
Seven	0	1	1	0	2	0	N/A	0	0	N/A	1	0	5
Fifteen	0	0	0	1	0	0	N/A	0	0	N/A	0	0	1
Don't Know	18	8	7	0	0	0	N/A	1	1	N/A	1	0	36
Refused	4	7	1	1	4	1	N/A	0	0	N/A	2	0	20
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

NUMBER OF PERSONAL COMPUTERS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	458,975	278,146	588,806	33,415	170,301	614,715	N/A	23,052	55,755	N/A	56,793	209,180	2,489,138
One	181,410	101,868	241,647	18,881	56,165	202,985	N/A	5,246	16,220	N/A	22,195	84,534	931,152
Two	14,909	10,237	27,847	2,383	4,737	20,616	N/A	395	1,883	N/A	1,523	10,277	94,805
Three	3,115	985	4,137	357	542	5,229	N/A	30	0	N/A	218	995	15,609
Four	1,028	0	964	119	217	0	N/A	15	0	N/A	163	0	2,506
Five	0	140	0	60	108	841	N/A	15	0	N/A	0	0	1,164
Six	30	0	0	30	0	841	N/A	0	0	N/A	0	0	901
Seven	0	70	415	0	145	0	N/A	0	0	N/A	54	0	684
Fifteen	0	0	0	30	0	0	N/A	0	0	N/A	0	0	30
Don't Know	3,266	560	5,649	0	0	0	N/A	15	145	N/A	54	0	9,689
Refused	120	777	964	30	289	841	N/A	0	0	N/A	109	0	3,131
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-47: Number of Personal Computers by State
 Q124C: How many personal computers do you have in your home?

Number of Personal Computers

Table E-48: Number of Freezers, Separate from Refrigerators, by State

Q124D: How many freezers, separate from refrigerators, do you have in your home?

Raw Data

NUMBER OF FREEZERS, SEPARATE FROM REFRIGERATORS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	1,691	1,315	523	978	1,078	509	N/A	475	151	N/A	469	302	7,491
One	1,813	2,045	603	815	1,911	755	N/A	1,104	296	N/A	853	515	10,710
Two	231	296	87	52	385	102	N/A	282	57	N/A	154	97	1,743
Three	24	27	4	9	43	12	N/A	24	5	N/A	12	6	166
Four	1	2	0	0	6	1	N/A	5	1	N/A	0	0	16
Five	0	0	0	1	1	0	N/A	1	0	N/A	1	0	4
Six	1	0	0	0	0	0	N/A	0	0	N/A	0	0	1
Seven	1	0	0	0	0	0	N/A	0	0	N/A	0	0	1
Twenty	0	0	0	0	1	1	N/A	0	0	N/A	0	0	2
Don't Know	5	6	4	0	0	0	N/A	1	1	N/A	1	0	18
Refused	5	3	2	2	4	1	N/A	0	0	N/A	1	0	18
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

NUMBER OF FREEZERS, SEPARATE FROM REFRIGERATORS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	355,374	139,826	394,337	29,126	76,246	329,798	N/A	7,223	21,868	N/A	25,513	100,115	1,479,425
One	280,045	217,436	414,964	24,272	128,754	448,888	N/A	16,787	42,866	N/A	46,403	170,725	1,791,140
Two	23,598	31,568	53,685	1,549	24,282	60,048	N/A	4,288	8,255	N/A	8,378	32,156	247,806
Three	1,933	2,968	2,210	268	2,498	5,471	N/A	365	724	N/A	653	1,989	19,078
Four	333	212	0	0	362	841	N/A	76	145	N/A	0	0	1,969
Five	0	0	0	30	108	0	N/A	15	0	N/A	54	0	208
Six	30	0	0	0	0	0	N/A	0	0	N/A	0	0	30
Seven	30	0	0	0	0	0	N/A	0	0	N/A	0	0	30
Twenty	0	0	0	0	36	181	N/A	0	0	N/A	0	0	217
Don't Know	1,058	420	3,306	0	0	0	N/A	15	145	N/A	54	0	4,999
Refused	453	354	1,927	60	217	841	N/A	0	0	N/A	54	0	3,907
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-48: Number of Freezers, Separate from Refrigerators, by State

Q124D: How many freezers, separate from refrigerators, do you have in your home?

Number of Freezers, Separate from Refrigerators

Table E-49: Number of Dishwashers by State

Q124E: How many dishwashers do you have in your home?

Raw Data

NUMBER OF DISHWASHERS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	1,285	1,242	371	562	1,316	489	N/A	910	236	N/A	631	355	7,397
One	2,453	2,432	844	1,288	2,097	885	N/A	971	273	N/A	855	564	12,662
Two	16	6	3	5	11	6	N/A	10	1	N/A	2	1	61
Three	3	0	1	0	0	0	N/A	0	0	N/A	0	0	4
Four	0	1	0	0	1	0	N/A	0	0	N/A	0	0	2
Don't Know	10	9	2	0	0	0	N/A	1	1	N/A	1	0	24
Refused	5	4	2	2	4	1	N/A	0	0	N/A	2	0	20
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

NUMBER OF DISHWASHERS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	227,837	132,129	242,933	16,737	85,320	287,199	N/A	13,837	34,177	N/A	34,326	117,684	1,192,180
One	430,967	258,823	620,336	38,358	146,171	553,641	N/A	14,765	39,535	N/A	46,512	186,969	2,336,076
Two	2,297	636	2,891	149	760	4,387	N/A	152	145	N/A	109	332	11,857
Three	90	0	964	0	0	0	N/A	0	0	N/A	0	0	1,054
Four	0	70	0	0	36	0	N/A	0	0	N/A	0	0	106
Don't Know	1,209	630	1,379	0	0	0	N/A	15	145	N/A	54	0	3,432
Refused	453	496	1,927	60	217	841	N/A	0	0	N/A	109	0	4,103
TOTAL	662,854	392,763	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,965	3,548,809

Weighted Data

Chart E-49: Number of Dishwashers by State
Q124E: How many dishwashers do you have in your home?

Table E-50: Number of Clothes Washing Machines by State
Q124F: How many clothes washing machines do you have in your home?

Raw Data		Washington			Oregon			Montana			Idaho			TOTAL
NUMBER OF CLOTHES WASHING MACHINES		P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	TOTAL
Zero		433	328	119	323	304	146	N/A	155	49	N/A	111	56	2,024
One		3,315	3,346	1,098	1,522	3,106	1,226	N/A	1,731	461	N/A	1,373	860	18,038
Two		16	12	2	10	15	7	N/A	3	1	N/A	5	4	75
Three		2	0	1	0	0	1	N/A	0	0	N/A	0	0	4
Five		0	0	0	0	0	0	N/A	1	0	N/A	0	0	1
Twenty		0	0	0	0	0	0	N/A	1	0	N/A	0	0	1
Don't Know		2	4	2	0	0	0	N/A	1	0	N/A	1	0	10
Refused		4	4	1	2	4	1	N/A	0	0	N/A	1	0	17
TOTAL		3,772	3,694	1,723	1,857	3,429	1,381	N/A	1,852	511	N/A	1,491	920	20,170

Weighted Data		Washington			Oregon			Montana			Idaho			TOTAL
NUMBER OF CLOTHES WASHING MACHINES		P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	TOTAL
Zero		98,384	32,945	83,424	9,619	21,557	100,373	N/A	2,357	7,096	N/A	6,038	18,564	380,358
One		560,419	357,719	782,867	45,327	209,897	738,784	N/A	26,321	66,761	N/A	74,691	285,095	3,147,882
Two		2,600	1,343	831	298	833	5,229	N/A	46	145	N/A	272	1,326	12,922
Three		363	0	964	0	0	841	N/A	0	0	N/A	0	0	2,168
Five		0	0	0	0	0	0	N/A	15	0	N/A	0	0	15
Twenty		0	0	0	0	0	0	N/A	15	0	N/A	0	0	15
Don't Know		666	280	1,379	0	0	0	N/A	15	0	N/A	54	0	2,394
Refused		423	496	964	60	217	841	N/A	0	0	N/A	54	0	3,055
TOTAL		662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,965	3,548,809

Chart E-50: Number of Clothes Washing Machines by State

Q124F: How many clothes washing machines do you have in your home?

Number of Clothes Washing Machines

Table E-51: Number of Clothes Dryers by State
Q124G: How many clothes dryers do you have in your home?

Raw Data

NUMBER OF CLOTHES DRYERS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	474	385	136	342	370	164	N/A	223	64	N/A	150	71	2,379
One	3,276	3,292	1,081	1,504	3,043	1,210	N/A	1,666	446	N/A	1,335	844	17,697
Two	14	9	2	9	12	5	N/A	1	1	N/A	4	5	62
Three	1	0	1	0	0	1	N/A	0	0	N/A	0	0	3
Four	1	0	0	0	0	0	N/A	1	0	N/A	0	0	2
Twelve	0	0	0	0	0	0	N/A	1	0	N/A	0	0	1
Don't know	2	4	2	0	0	0	N/A	0	0	N/A	1	0	9
Refused	4	4	1	2	4	1	N/A	0	0	N/A	1	0	17
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

NUMBER OF CLOTHES DRYERS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	103,249	38,372	91,035	10,185	24,962	110,231	N/A	3,391	9,268	N/A	8,160	23,537	422,391
One	555,916	352,646	775,257	44,791	206,745	730,609	N/A	25,333	64,589	N/A	72,624	279,791	3,108,300
Two	2,237	989	831	268	580	3,546	N/A	15	145	N/A	218	1,658	10,486
Three	333	0	964	0	0	841	N/A	0	0	N/A	0	0	2,138
Four	30	0	0	0	0	0	N/A	15	0	N/A	0	0	45
Twelve	0	0	0	0	0	0	N/A	15	0	N/A	0	0	15
Don't know	666	280	1,379	0	0	0	N/A	0	0	N/A	54	0	2,379
Refused	423	456	964	60	217	841	N/A	0	0	N/A	54	0	3,055
TOTAL	662,854	392,763	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-51: Number of Clothes Dryers by State

Q124G: How many clothes dryers do you have in your home?

Table E-52: Clothes Dryer Fuel Type by State

Q125: What type of fuel does your clothes dryer use?

Raw Data

CLOTHES DRYER FUEL TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Electricity	3,235	3,262	1,050	1,475	2,996	1,185	N/A	1,634	438	N/A	1,317	823	17,419
Natural Gas	51	33	32	32	55	28	N/A	16	7	N/A	19	22	295
Other	3	6	1	0	4	1	N/A	19	2	N/A	4	2	42
Not Asked	474	385	136	342	370	164	N/A	223	64	N/A	150	71	2,379
Don't Know	5	4	3	2	0	2	N/A	0	0	N/A	0	2	18
Refused	4	4	1	2	4	1	N/A	0	0	N/A	1	0	17
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,481	920	20,170

Weighted Data

CLOTHES DRYER FUEL TYPE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Electricity	542,575	348,894	748,674	44,047	203,525	714,200	N/A	24,846	63,430	N/A	71,644	272,829	3,034,665
Natural Gas	14,247	4,106	26,450	953	3,582	18,272	N/A	243	1,014	N/A	1,034	7,293	77,195
Other	696	636	964	0	217	841	N/A	289	290	N/A	218	663	4,813
Not Asked	103,249	38,372	91,035	10,185	24,962	110,231	N/A	3,351	9,268	N/A	8,160	23,537	422,391
Don't Know	1,664	280	2,343	60	0	1,683	N/A	0	0	N/A	0	663	6,682
Refused	423	496	964	60	217	841	N/A	0	0	N/A	54	0	3,055
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-52: Clothes Dryer Fuel Type by State
Q125: What type of fuel does your clothes dryer use?

Table E-53: Presence of Swimming Pool by State

Q132A: Do you have your own swimming pool?

Raw Data

PRESENCE OF SWIMMING POOL	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	125	170	47	40	68	43	N/A	13	2	N/A	14	10	532
No	3,645	3,523	1,175	1,815	3,359	1,335	N/A	1,879	509	N/A	1,475	910	19,625
Don't Know	1	1	1	2	2	2	N/A	0	0	N/A	1	0	10
Refused	1	0	0	0	0	1	N/A	0	0	N/A	1	0	3
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

PRESENCE OF SWIMMING POOL	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	11,631	15,635	26,652	1,191	4,847	28,249	N/A	198	290	N/A	762	3,315	92,768
No	650,860	377,078	842,814	54,053	227,441	815,956	N/A	28,571	73,712	N/A	80,240	301,670	3,452,396
Don't Know	30	70	964	60	217	1,022	N/A	0	0	N/A	54	0	2,416
Refused	333	0	0	0	0	841	N/A	0	0	N/A	54	0	1,229
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-53: Presence of Swimming Pool by State

Q132A: Do you have your own swimming pool?

Table E-54: Presence of Hot Tub by State

Q132B: Do you have your own hot tub?

Raw Data

PRESENCE OF HOT TUB	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	208	196	71	131	189	83	N/A	105	19	N/A	74	52	1,128
No	3,562	3,497	1,151	1,724	3,238	1,295	N/A	1,787	492	N/A	1,415	868	19,029
Don't Know	1	1	1	2	2	2	N/A	0	0	N/A	1	0	10
Refused	1	0	0	0	0	1	N/A	0	0	N/A	1	0	3
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

PRESENCE OF HOT TUB	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	30,170	21,982	53,616	3,901	13,419	53,975	N/A	1,597	2,752	N/A	4,026	17,238	202,675
No	632,321	370,731	815,849	51,343	218,869	790,231	N/A	27,172	71,250	N/A	76,976	287,747	3,342,489
Don't Know	30	70	964	60	217	1,022	N/A	0	0	N/A	54	0	2,416
Refused	333	0	0	0	0	841	N/A	0	0	N/A	54	0	1,229
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-54: Presence of Hot Tub by State
Q132B: Do you have your own hot tub?

Table E-55: Presence of Whirlpool Bath by State

Q132C: Do you have your own whirlpool bath?

Raw Data

PRESENCE OF WHIRLPOOL BATH	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	94	103	36	33	76	43	N/A	45	8	N/A	38	24	500
No	3,676	3,590	1,186	1,822	3,351	1,335	N/A	1,847	503	N/A	1,451	896	19,657
Don't Know	1	1	1	2	2	2	N/A	0	0	N/A	1	0	10
Refused	1	0	0	0	0	1	N/A	0	0	N/A	1	0	3
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,481	920	20,170

Weighted Data

PRESENCE OF WHIRLPOOL BATH	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	15,843	11,808	27,564	983	6,002	23,624	N/A	684	1,159	N/A	2,067	7,956	97,690
No	646,648	380,905	841,901	54,262	226,286	820,582	N/A	28,085	72,843	N/A	78,934	297,029	3,447,474
Don't Know	30	70	964	60	217	1,022	N/A	0	0	N/A	54	0	2,416
Refused	333	0	0	0	0	841	N/A	0	0	N/A	54	0	1,229
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-55: Presence of Whirlpool Bath by State
 Q132C: Do you have your own whirlpool bath?

Weighted Data

Presence of Whirlpool Bath

Table E-56: Primary Fuel Used to Heat Swimming Pool by State

Q140: What fuel do you use most to heat your swimming pool?

Raw Data

PRIMARY FUEL USED TO HEAT SWIMMING POOL	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Electricity	31	22	5	7	4	4	N/A	2	0	N/A	1	2	78
Natural Gas	9	3	10	10	7	6	N/A	0	0	N/A	4	2	51
Fuel Oil	2	0	1	0	1	0	N/A	0	0	N/A	0	0	4
Propane or Bottled Gas	3	10	0	1	5	1	N/A	2	1	N/A	0	0	23
Solar	46	76	20	11	33	13	N/A	3	0	N/A	7	4	213
Other	1	1	0	0	0	0	N/A	1	0	N/A	0	0	3
Not Heated	33	56	11	11	18	19	N/A	4	1	N/A	2	2	157
Not Asked	3,647	3,524	1,176	1,817	3,361	1,338	N/A	1,879	509	N/A	1,477	910	19,638
Don't Know	0	2	0	0	0	0	N/A	1	0	N/A	0	0	3
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,481	920	20,170

Weighted Data

PRIMARY FUEL USED TO HEAT SWIMMING POOL	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Electricity	2,143	2,258	3,174	208	433	2,044	N/A	30	0	N/A	54	663	11,009
Natural Gas	2,390	282	6,347	298	614	5,048	N/A	0	0	N/A	218	663	15,860
Fuel Oil	666	0	415	0	36	0	N/A	0	0	N/A	0	0	1,117
Propane or Bottled Gas	696	987	0	30	254	841	N/A	30	145	N/A	0	0	2,983
Solar	2,595	6,253	10,501	328	2,135	8,295	N/A	46	0	N/A	381	1,326	31,859
Other	30	70	0	0	0	0	N/A	15	0	N/A	0	0	115
Not Heated	3,112	5,572	6,214	328	1,374	12,021	N/A	61	145	N/A	109	663	29,599
Not Asked	651,223	377,148	843,777	54,113	227,658	817,820	N/A	28,571	73,712	N/A	80,348	301,670	3,456,041
Don't Know	0	212	0	0	0	0	N/A	15	0	N/A	0	0	227
Refused	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	51,110	304,965	3,548,809

Chart E-56: Primary Fuel Used to Heat Swimming Pool by State
Q140: What fuel do you use most to heat your swimming pool?

Primary Fuel Used to Heat Swimming Pool

Table E-57: Primary Fuel Used to Heat Hot Tub by State

Q142: What fuel do you use most to heat your hot tub?

Raw Data

PRIMARY FUEL USED TO HEAT HOT TUB	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	TOTAL
Electricity	195	188	60	121	175	71	N/A	98	18	N/A	57	49	1,042
Natural Gas	7	4	8	8	3	8	N/A	1	1	N/A	2	2	44
Fuel Oil	0	0	2	0	2	0	N/A	0	0	N/A	0	0	4
Propane or Bottled Gas	2	2	0	2	4	2	N/A	1	0	N/A	1	1	15
Solar	1	0	0	0	1	0	N/A	0	0	N/A	0	0	2
Other	2	1	0	0	3	1	N/A	3	0	N/A	3	0	13
Not Heated	1	1	0	0	0	0	N/A	2	0	N/A	0	0	4
Not Asked	3,564	3,496	1,152	1,726	3,240	1,298	N/A	1,787	492	N/A	1,417	868	19,042
Don't Know	0	0	0	0	0	1	N/A	0	0	N/A	1	0	2
Refused	0	0	1	0	1	0	N/A	0	0	N/A	0	0	2
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,491	920	20,170

Weighted Data

PRIMARY FUEL USED TO HEAT HOT TUB	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	TOTAL
Electricity	27,357	21,053	45,757	3,604	12,406	45,200	N/A	1,490	2,607	N/A	3,545	16,244	179,373
Natural Gas	2,329	424	6,064	238	181	5,731	N/A	15	145	N/A	109	663	16,900
Fuel Oil	0	0	1,379	0	145	0	N/A	0	0	N/A	0	0	1,524
Propane or Bottled Gas	60	284	0	60	285	1,022	N/A	15	0	N/A	54	332	2,116
Solar	30	0	0	0	36	0	N/A	0	0	N/A	0	0	66
Other	363	142	0	0	325	181	N/A	46	0	N/A	153	0	1,219
Not Heated	30	70	0	0	0	0	N/A	30	0	N/A	0	0	130
Not Asked	632,684	375,801	816,813	51,403	219,085	792,094	N/A	27,172	71,250	N/A	77,384	287,721	3,346,134
Don't Know	0	0	0	0	0	841	N/A	0	0	N/A	54	0	896
Refused	0	0	415	0	36	0	N/A	0	0	N/A	0	0	452
TOTAL	662,854	392,783	870,429	55,304	232,504	846,089	N/A	28,769	74,002	N/A	81,110	304,965	3,548,809

Chart E-57: Primary Fuel Used to Heat Hot Tub by State

Q142: What fuel do you use most to heat your hot tub?

Primary Fuel Used to Heat Hot Tub

Table E-58: Number of Shower Heads by State

Q144. How many shower heads do you have in your home?

Raw Data

NUMBER OF SHOWER HEADS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	101	98	33	26	123	42	N/A	100	21	N/A	72	38	654
One	2,033	1,949	641	1,977	1,990	782	N/A	1,096	334	N/A	795	478	11,175
Two	1,388	1,374	456	554	1,174	487	N/A	501	126	N/A	525	334	7,121
Three	225	239	85	93	127	67	N/A	86	25	N/A	89	61	1,089
Four	15	28	6	4	13	2	N/A	7	2	N/A	7	6	99
Five	3	2	2	2	1	1	N/A	0	1	N/A	2	2	16
Six	2	1	0	0	0	0	N/A	0	0	N/A	0	0	3
Seven	2	0	0	1	0	0	N/A	0	0	N/A	0	0	3
Eight	1	0	0	0	0	0	N/A	0	0	N/A	0	0	1
Nine	1	0	0	0	0	0	N/A	0	0	N/A	0	0	1
Ten	1	0	0	0	0	0	N/A	0	0	N/A	0	0	1
Don't know	0	1	0	0	0	0	N/A	0	0	N/A	0	1	2
Refused	0	2	0	0	1	0	N/A	0	0	N/A	1	0	4
TOTAL	3,772	3,684	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,481	928	28,179

Weighted Data

NUMBER OF SHOWER HEADS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	16,357	10,883	20,288	774	6,916	24,104	N/A	1,521	3,041	N/A	3,917	12,587	100,387
One	364,756	208,202	438,973	32,075	133,208	491,430	N/A	16,665	48,389	N/A	43,248	158,480	1,935,384
Two	238,714	146,255	341,286	19,477	82,109	291,464	N/A	9,139	18,537	N/A	28,560	110,723	1,287,283
Three	37,946	23,554	62,721	2,770	9,150	36,548	N/A	1,338	3,620	N/A	4,842	20,222	202,711
Four	2,267	3,253	5,782	119	976	1,683	N/A	106	290	N/A	381	1,989	16,847
Five	696	284	1,379	60	106	841	N/A	0	145	N/A	109	653	4,284
Six	666	70	0	0	0	0	N/A	0	0	N/A	0	0	736
Seven	60	0	0	30	5	0	N/A	0	0	N/A	0	0	90
Eight	333	0	0	0	0	0	N/A	0	0	N/A	0	0	333
Nine	30	0	0	0	0	0	N/A	0	0	N/A	0	0	30
Ten	30	0	0	0	0	0	N/A	0	0	N/A	0	0	30
Don't know	0	70	0	0	0	0	N/A	0	0	N/A	0	332	481
Refused	0	212	0	0	36	0	N/A	0	0	N/A	54	0	303
TOTAL	662,854	382,783	870,429	55,304	232,504	846,668	N/A	28,789	74,082	N/A	81,110	304,985	3,548,889

Weighted Data

Chart E-58: Number of Shower Heads by State

Q144: How many shower heads do you have in your home?

Table E-59: Energy Inspection by State

Q146: Has any energy professional inspected your home and advised you on ways to make your home more energy efficient?

Raw Data

ENERGY INSPECTION	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	1,046	1,058	349	766	946	349	N/A	351	117	N/A	382	297	5,671
No	2,650	2,579	853	1,066	2,440	1,012	N/A	1,521	386	N/A	1,080	612	14,199
Don't Know	76	57	21	24	42	20	N/A	20	8	N/A	18	11	297
Refused	0	0	0	1	1	0	N/A	0	0	N/A	1	0	3
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,481	920	20,170

Weighted Data

ENERGY INSPECTION	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	195,524	112,280	249,691	22,813	67,562	221,611	N/A	5,337	16,944	N/A	21,325	98,457	1,011,544
No	453,844	274,213	607,081	31,747	162,156	610,274	N/A	23,128	55,900	N/A	58,752	202,881	2,479,975
Don't Know	13,486	6,289	13,658	715	2,678	14,184	N/A	304	1,159	N/A	979	3,647	57,098
Refused	0	0	0	30	108	0	N/A	0	0	N/A	54	0	193
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-59: Energy Inspection by State

Q146: Has any energy professional inspected your home and advised you on ways to make your home more energy efficient?

Table E-60: Permit Visit by Energy Professional by State

Q148: Are you willing to have an energy professional visit your home and advise you on home energy efficiency?

Raw Data

PERMIT VISIT BY ENERGY PROFESSIONAL	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	1,262	1,325	387	528	1,134	460	N/A	830	193	N/A	597	325	7,041
No	1,218	1,077	416	459	1,133	494	N/A	594	171	N/A	414	250	6,226
Not Asked	1,046	1,058	349	766	946	349	N/A	351	117	N/A	392	297	5,671
Don't Know	245	232	71	102	211	78	N/A	115	30	N/A	84	47	1,215
Refused	1	2	0	2	5	0	N/A	2	0	N/A	4	1	17
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

PERMIT VISIT BY ENERGY PROFESSIONAL	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	202,326	138,082	267,670	15,725	72,372	258,174	N/A	12,621	27,950	N/A	32,477	107,739	1,135,133
No	221,281	117,276	300,549	13,670	77,523	321,143	N/A	9,032	24,764	N/A	22,521	82,876	1,190,634
Not Asked	195,524	112,280	249,691	22,813	67,562	221,611	N/A	5,337	16,944	N/A	21,325	98,457	1,011,544
Don't Know	43,390	24,933	52,520	3,038	14,794	45,142	N/A	1,749	4,345	N/A	4,570	15,581	210,060
Refused	333	212	0	60	254	0	N/A	30	0	N/A	218	332	1,437
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-60: Permit Visit by Energy Professional by State

Q148: Are you willing to have an energy professional visit your home and advise you on home energy efficiency?

Table E-61: Weatherized Dwelling by State

Q150: Since you moved into your home, has the state or your electric utility weatherized your home?

Raw Data

WEATHERIZED DWELLING	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	563	702	174	588	615	174	N/A	217	67	N/A	231	174	3,505
No	3,120	2,894	1,022	1,217	2,758	1,177	N/A	1,652	436	N/A	1,240	731	16,247
Don't Know	87	97	26	52	56	30	N/A	23	8	N/A	18	15	412
Refused	2	1	1	0	0	0	N/A	0	0	N/A	2	0	5
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,481	920	20,170

Weighted Data

WEATHERIZED DWELLING	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	113,191	75,579	121,074	17,511	44,593	106,089	N/A	3,300	9,703	N/A	12,566	57,682	561,289
No	534,272	306,824	732,108	36,244	184,077	723,990	N/A	25,120	63,141	N/A	67,456	242,330	2,915,561
Don't Know	15,330	10,238	16,831	1,549	3,835	15,990	N/A	350	1,159	N/A	979	4,973	71,233
Refused	60	142	415	0	0	0	N/A	0	0	N/A	109	0	726
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-61: Weatherized Dwelling by State

Q150: Since you moved into your home, has the state or your electric utility weatherized your home?

Table E-62: Familiarity with Weatherization Loans by State

Q151: Have you heard or read anything about low interest weatherization loans?

Raw Data

FAMILIARITY WITH WEATHERIZATION LOANS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	2,111	1,839	669	1,174	1,963	786	N/A	816	254	N/A	605	392	10,609
No	1,635	1,825	543	671	1,440	583	N/A	1,059	256	N/A	873	522	9,407
Don't know	24	29	11	11	24	11	N/A	17	1	N/A	12	6	146
Refused	2	1	0	1	2	1	N/A	0	0	N/A	1	0	8
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

FAMILIARITY WITH WEATHERIZATION LOANS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	376,486	200,647	480,755	34,963	135,325	485,544	N/A	12,408	36,784	N/A	32,912	129,950	1,925,774
No	282,257	188,958	382,911	19,983	95,658	351,750	N/A	16,103	37,073	N/A	47,491	173,046	1,595,230
Don't know	4,052	3,036	6,763	328	1,376	8,594	N/A	258	145	N/A	653	1,969	27,193
Refused	60	142	0	30	145	181	N/A	0	0	N/A	54	0	611
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,965	3,548,809

Weighted Data

Chart E-62: Familiarity with Weatherization Loans by State
 Q151: Have you heard or read anything about low interest weatherization loans?

Table E-63: Familiarity with Weatherization Programs by State

Q152: Have you heard or read anything about utility or state weatherization programs?

Raw Data

FAMILIARITY WITH WEATHERIZATION PROGRAMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	1,395	1,392	449	868	1,439	522	N/A	666	198	N/A	506	284	7,719
No	2,303	2,238	746	956	1,309	827	N/A	1,187	306	N/A	953	615	12,040
Don't Know	72	63	28	33	78	30	N/A	39	7	N/A	31	21	402
Refused	2	1	0	0	3	2	N/A	0	0	N/A	1	0	9
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

FAMILIARITY WITH WEATHERIZATION PROGRAMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	252,637	150,030	331,800	25,850	100,593	322,894	N/A	10,127	28,674	N/A	27,526	94,148	1,344,279
No	396,186	235,543	518,774	28,471	126,737	502,859	N/A	18,049	44,314	N/A	51,843	203,876	2,126,651
Don't Know	13,971	7,068	19,855	983	4,994	19,955	N/A	583	1,014	N/A	1,686	6,962	77,080
Refused	60	142	0	0	181	361	N/A	0	0	N/A	54	0	799
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-63: Familiarity with Weatherization Programs by State

Q152: Have you heard or read anything about utility or state weatherization programs?

Table E-64: Familiarity with Efficient Appliance Programs by State

Q153: Have you heard or read anything about efficient appliance programs?

Raw Data

FAMILIARITY WITH EFFICIENT APPLIANCE PROGRAMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	1,004	965	354	567	1,097	300	N/A	504	163	N/A	305	235	5,744
No	2,721	2,676	848	1,259	2,282	982	N/A	1,291	344	N/A	1,077	671	14,151
Don't know	45	52	20	31	47	17	N/A	17	4	N/A	18	14	265
Refused	2	1	1	0	3	2	N/A	0	0	N/A	1	0	10
TOTAL	3,772	3,694	1,223	1,857	3,429	1,301	N/A	1,812	511	N/A	1,401	920	20,170

Weighted Data

FAMILIARITY WITH EFFICIENT APPLIANCE PROGRAMS	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	180,942	103,184	258,346	16,886	77,008	235,799	N/A	8,880	23,605	N/A	21,488	77,904	1,004,043
No	472,022	283,805	597,877	37,495	152,888	597,586	N/A	19,630	49,817	N/A	58,586	222,440	2,482,152
Don't know	9,829	5,652	13,242	923	2,427	12,321	N/A	258	579	N/A	979	4,641	50,852
Refused	60	142	964	0	191	361	N/A	0	0	N/A	54	0	1,762
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,082	N/A	81,110	304,985	3,548,809

Chart E-64: Familiarity with Efficient Appliance Programs by State
Q153: Have you heard or read anything about efficient appliance programs?

Familiarity with Efficient Appliance Programs

Table E-65: Extent of Home Energy Efficiency by State

Q158: Which of the following best describes how you feel about the energy efficiency of your home?

Raw Data

EXTENT OF HOME ENERGY EFFICIENCY	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-M	I-O	P-G	P-M	I-O	P-G	P-M	I-O	P-G	P-M	I-O	
Efficient as Can Be	1,012	1,006	312	507	962	357	N/A	486	130	N/A	355	225	5,332
A Little Improvement Can Be Made	1,164	1,027	389	558	1,001	438	N/A	555	146	N/A	485	294	6,037
A Moderate Improvement Can Be Made	989	946	290	459	825	336	N/A	489	142	N/A	407	259	5,152
A Lot of Improvement Can Be Made	332	382	151	206	348	128	N/A	217	54	N/A	154	86	2,058
A Great Deal of Improvement Can Be Made	208	270	62	97	239	101	N/A	130	29	N/A	86	45	1,267
Don't Know	63	61	18	26	47	18	N/A	25	10	N/A	23	11	384
Refused	4	2	1	2	7	3	N/A	0	0	N/A	1	0	20
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,491	928	28,170

Weighted Data

EXTENT OF HOME ENERGY EFFICIENCY	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-M	I-O	P-G	P-M	I-O	P-G	P-M	I-O	P-G	P-M	I-O	
Efficient as Can Be	171,497	112,810	220,067	15,099	56,270	223,055	N/A	7,066	18,826	N/A	19,312	74,589	928,612
A Little Improvement Can Be Made	202,706	109,752	282,754	16,618	69,055	265,435	N/A	8,439	21,143	N/A	25,296	97,463	1,088,661
A Moderate Improvement Can Be Made	175,951	97,389	207,638	13,670	54,668	208,691	N/A	7,588	20,564	N/A	22,141	85,860	884,169
A Lot of Improvement Can Be Made	61,445	38,378	104,941	6,135	23,011	73,994	N/A	3,300	7,828	N/A	8,378	28,509	355,910
A Great Deal of Improvement Can Be Made	38,342	27,952	42,203	2,889	15,739	60,529	N/A	1,977	4,200	N/A	4,678	14,918	213,425
Don't Know	12,489	6,353	11,863	834	3,292	13,162	N/A	380	1,448	N/A	1,251	3,647	54,720
Refused	423	140	964	60	470	1,202	N/A	0	0	N/A	54	0	3,313
TOTAL	662,854	392,783	870,429	55,304	232,504	846,089	N/A	28,769	74,082	N/A	81,110	304,985	3,548,809

Chart E-65: Extent of Home Energy Efficiency by State
Q158. Which of the following best describes how you feel about the energy efficiency of your home?

Extent of Home Energy Efficiency

Table E-66: Seriousness of Environmental Pollution by State

Q160A: How do you rate the seriousness of environmental pollution?

Raw Data		Washington			Oregon			Montana			Idaho			TOTAL
SERIOUSNESS OF ENVIRONMENTAL POLLUTION		P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
1 (Not at all serious)		332	342	82	105	444	112	N/A	358	62	N/A	251	132	2,220
2		425	475	127	198	479	182	N/A	380	98	N/A	307	178	2,849
3		1,019	971	330	489	1,010	405	N/A	512	148	N/A	413	271	5,588
4		720	591	262	381	533	260	N/A	229	67	N/A	169	129	3,441
5 (Extremely serious)		1,113	1,069	378	636	841	373	N/A	356	116	N/A	286	183	5,351
Don't know		147	136	40	44	108	46	N/A	54	18	N/A	63	26	682
Refused		16	10	4	4	14	3	N/A	3	2	N/A	2	1	59
TOTAL		3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,481	928	20,170

Weighted Data		Washington			Oregon			Montana			Idaho			TOTAL
SERIOUSNESS OF ENVIRONMENTAL POLLUTION		P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
1 (Not at all serious)		42,981	37,231	58,186	3,127	27,721	62,515	N/A	5,444	8,979	N/A	13,654	43,759	383,587
2		59,703	49,630	84,007	5,897	32,090	110,177	N/A	5,778	14,192	N/A	16,701	59,008	437,182
3		168,076	102,526	229,189	14,563	68,517	246,260	N/A	7,785	21,433	N/A	22,467	89,838	970,653
4		141,524	73,515	188,879	11,347	36,932	154,658	N/A	3,482	9,703	N/A	9,194	42,764	671,999
5 (Extremely serious)		226,597	114,416	282,021	18,941	59,139	242,465	N/A	5,413	16,799	N/A	15,558	60,665	1,042,015
Don't know		22,281	14,549	26,485	1,310	7,164	28,130	N/A	821	2,607	N/A	3,427	8,619	115,383
Refused		1,692	915	1,662	119	941	1,883	N/A	46	290	N/A	109	332	7,968
TOTAL		662,854	392,783	870,429	55,304	232,504	846,089	N/A	28,769	74,882	N/A	81,110	304,985	3,548,889

Chart E-66: Seriousness of Environmental Pollution by State

Q160A: How do you rate the seriousness of environmental pollution?

Seriousness of Environmental Pollution

Table E-67: Seriousness of the Cost of Energy by State
Q160B: How do you rate the seriousness of the cost of energy?

Raw Data											
SERIOUSNESS OF THE COST OF ENERGY	Washington			Oregon			Montana			Idaho	
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	I-O
1 (Not at all serious)	556	258	80	127	266	81	N/A	163	26	N/A	138
2	722	619	154	344	530	190	N/A	299	87	N/A	292
3	1,094	1,149	389	643	1,126	484	N/A	599	167	N/A	507
4	613	742	249	354	691	281	N/A	357	102	N/A	255
5 (Extremely serious)	608	781	302	321	651	288	N/A	382	103	N/A	227
Don't Know	160	136	47	63	152	55	N/A	90	25	N/A	71
Refused	19	9	2	5	13	2	N/A	2	1	N/A	1
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491
											920
											20,170

Weighted Data											
SERIOUSNESS OF THE COST OF ENERGY	Washington			Oregon			Montana			Idaho	
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	I-O
1 (Not at all serious)	56,380	26,968	47,488	3,782	17,295	42,380	N/A	2,479	3,765	N/A	7,507
2	116,159	64,379	105,639	10,245	37,040	120,212	N/A	4,546	12,599	N/A	15,885
3	206,957	123,177	278,368	19,149	77,773	304,138	N/A	9,108	24,185	N/A	27,581
4	130,738	78,809	181,286	10,543	47,280	172,327	N/A	5,428	14,771	N/A	13,872
5 (Extremely serious)	122,718	83,623	225,780	9,560	42,370	171,609	N/A	5,809	14,916	N/A	12,349
Don't Know	27,212	14,908	31,037	1,876	9,986	34,381	N/A	1,369	3,620	N/A	3,862
Refused	2,690	917	831	149	760	1,022	N/A	30	145	N/A	54
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110
											304,985
											3,548,809

Chart E-67: Seriousness of the Cost of Energy by State
 Q160B: How do you rate the seriousness of the cost of energy?

Seriousness of line Cost of Energy

Table E-68: Seriousness of Unemployment by State

Q160C: How do you rate the seriousness of unemployment?

Raw Data

SERIOUSNESS OF UNEMPLOYMENT	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
1 (Not at all serious)	148	166	43	49	120	39	N/A	82	19	N/A	118	62	846
2	362	328	105	83	217	96	N/A	140	36	N/A	232	139	1,738
3	930	797	296	278	636	265	N/A	375	98	N/A	400	261	4,336
4	855	825	279	507	786	315	N/A	459	128	N/A	295	184	4,633
5 (Extremely serious)	1,254	1,371	427	883	1,492	606	N/A	730	203	N/A	346	225	7,537
Don't know	201	193	67	51	163	57	N/A	100	26	N/A	96	48	1,002
Refused	22	14	6	6	15	3	N/A	6	1	N/A	4	1	78
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

SERIOUSNESS OF UNEMPLOYMENT	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
1 (Not at all serious)	21,403	16,289	29,924	1,459	7,599	22,241	N/A	1,247	2,752	N/A	6,419	20,553	129,886
2	51,451	31,220	77,060	2,472	13,715	61,608	N/A	2,129	5,213	N/A	12,621	46,079	303,569
3	149,356	79,855	212,323	8,279	41,537	160,848	N/A	5,702	14,192	N/A	21,760	86,523	780,376
4	162,233	90,655	201,424	15,099	52,675	194,987	N/A	6,979	18,537	N/A	16,048	60,997	819,634
5 (Extremely serious)	245,065	152,154	301,281	26,297	105,615	373,084	N/A	11,100	29,398	N/A	18,822	74,589	1,337,407
Don't know	30,262	21,126	45,376	1,519	10,385	31,438	N/A	1,521	3,765	N/A	5,222	15,912	166,526
Refused	3,083	1,483	3,041	179	977	1,863	N/A	91	145	N/A	218	332	11,411
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,965	3,548,609

Weighted Data

Chart E-68: Seriousness of Unemployment by State
Q160C: How do you rate the seriousness of unemployment?

Seriousness of Unemployment

Table E-69: Seriousness of Scarcity of Energy by State

Q160D: How do you rate the seriousness of scarcity of energy?

Raw Data									
SERIOUSNESS OF SCARCITY OF ENERGY	Washington			Oregon			Montana		
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O
1 (Not at all serious)	820	703	198	252	617	212	N/A	533	134
2	771	790	262	409	651	273	N/A	406	117
3	978	973	337	522	957	372	N/A	445	125
4	529	518	176	327	525	225	N/A	189	55
5 (Extremely serious)	396	438	164	227	421	183	N/A	166	45
Don't Know	258	261	82	113	244	113	N/A	150	33
Refused	20	11	4	7	14	3	N/A	3	2
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511
							N/A	1,491	920
									20,170

Weighted Data									
SERIOUSNESS OF SCARCITY OF ENERGY	Washington			Oregon			Montana		
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O
1 (Not at all serious)	98,828	72,199	127,756	7,505	40,703	128,150	N/A	8,105	19,406
2	129,135	84,612	183,946	12,181	44,027	168,900	N/A	6,173	16,944
3	195,294	105,110	243,609	15,546	65,512	225,764	N/A	6,766	18,102
4	110,958	54,724	134,514	9,739	36,354	140,409	N/A	2,874	7,965
5 (Extremely serious)	83,347	47,472	121,854	6,760	28,759	117,627	N/A	2,524	6,517
Don't Know	42,873	27,466	56,541	3,365	16,280	63,356	N/A	2,281	4,779
Refused	2,418	1,201	2,210	208	869	1,863	N/A	46	290
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002
							N/A	81,110	304,985
									3,548,809

Chart E-69: Seriousness of Scarcity of Energy by State
 Q160D: How do you rate the seriousness of scarcity of energy?

Seriousness of Scarcity of Energy

Table E-70: Seriousness of Crime by State

Q160E: How do you rate the seriousness of crime?

Raw Data

SERIOUSNESS OF CRIME	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
1 (Not at all serious)	162	204	49	57	241	52	N/A	304	74	N/A	223	112	1,478
2	387	430	105	225	445	120	N/A	529	125	N/A	382	232	2,980
3	925	923	266	557	801	294	N/A	541	160	N/A	389	276	5,132
4	877	823	308	477	741	326	N/A	204	60	N/A	204	126	4,146
5 (Extremely serious)	1,310	1,204	466	503	1,115	543	N/A	268	78	N/A	244	150	5,881
Don't Know	93	96	25	31	75	40	N/A	42	13	N/A	45	23	483
Refused	18	14	4	7	11	6	N/A	4	1	N/A	4	1	70
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,481	920	20,170

Weighted Data

SERIOUSNESS OF CRIME	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
1 (Not at all serious)	19,100	22,902	30,772	1,698	14,947	30,535	N/A	4,623	10,717	N/A	12,131	37,129	184,552
2	50,084	43,606	71,030	6,701	29,631	67,263	N/A	8,044	18,102	N/A	20,781	76,909	392,151
3	150,416	97,083	198,216	16,588	56,102	174,675	N/A	8,226	23,171	N/A	21,161	91,495	837,133
4	162,290	87,856	223,339	14,206	50,321	200,277	N/A	3,102	8,689	N/A	11,098	41,770	802,946
5 (Extremely serious)	265,214	129,686	326,802	14,980	75,860	347,832	N/A	4,075	11,296	N/A	13,274	49,726	1,238,744
Don't Know	13,695	10,240	18,061	923	4,957	23,082	N/A	639	1,883	N/A	2,448	7,625	83,551
Refused	2,055	1,411	2,210	208	688	2,405	N/A	61	145	N/A	218	332	9,732
TOTAL	662,854	392,783	870,429	55,304	232,504	846,089	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-70: Seriousness of Crime by State
Q160E: How do you rate the seriousness of crime?

Table E-71: Receive Electric Utility Bill by State

Q163: Do you receive a bill from your electric utility?

Raw Data

RECEIVE ELECTRIC UTILITY BILL	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	3,506	3,558	1,195	1,793	3,311	1,355	N/A	1,771	482	N/A	1,404	912	19,387
No	155	122	26	59	105	23	N/A	114	17	N/A	84	7	712
Don't Know	3	8	2	2	4	1	N/A	4	1	N/A	0	1	26
Refused	8	6	0	3	9	2	N/A	3	1	N/A	3	0	35
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

RECEIVE ELECTRIC UTILITY BILL	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	636,975	379,168	852,767	53,398	224,617	836,088	N/A	26,929	71,250	N/A	76,377	302,333	3,658,902
No	24,943	12,419	16,283	1,757	6,838	8,779	N/A	1,733	2,462	N/A	4,570	2,321	82,105
Don't Know	393	704	1,379	60	433	181	N/A	61	145	N/A	0	332	3,686
Refused	543	492	51	89	615	1,022	N/A	46	145	N/A	163	0	3,115
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-71: Receive Electric Utility Bill by State
Q163: Do you receive a bill from your electric utility?

Weighted Data

Receive Electric Utility Bill

Table E-72: Number of People in Household by State

Q172 How many people including yourself, normally live in your home?

Raw Data

NUMBER OF PEOPLE IN HOUSEHOLD	Washington		Oregon		Montana		Idaho		TOTAL
	P-G	P-N	P-G	P-N	P-G	P-N	P-G	P-N	
One	555	530	371	506	174	238	N/A	229	3,387
Two	1,378	1,115	694	1,368	465	469	N/A	510	7,366
Three	636	586	340	560	239	239	N/A	226	3,356
Four	624	655	268	498	221	221	N/A	244	3,255
Five	271	289	107	246	123	123	N/A	140	1,565
Six	97	119	38	93	45	45	N/A	64	525
Seven	33	42	12	24	14	14	N/A	31	225
Eight	13	16	4	2	2	2	N/A	19	92
Nine	4	7	0	5	1	1	N/A	2	30
Ten	4	3	0	1	0	0	N/A	2	15
Eleven	1	3	1	1	0	0	N/A	3	8
Twelve	1	1	0	0	0	0	N/A	1	5
Fourteen	1	1	0	1	0	0	N/A	0	1
Fifteen	1	1	1	0	1	1	N/A	0	3
Eighteen	1	1	0	0	0	0	N/A	0	1
Nineteen	1	1	1	0	0	0	N/A	0	1
Twenty	1	1	1	0	0	0	N/A	0	1
Don't know	3	2	2	2	0	0	N/A	3	13
Refused	35	44	17	42	25	25	N/A	17	219
TOTAL	3,772	3,554	1,657	3,429	1,387	1,552	N/A	1,491	23,170

Table E-72: Number of People in Household by State
Q172: How many people, including yourself, normally live in your home?

Weighted Data

NUMBER OF PEOPLE IN HOUSEHOLD	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-M	I-O	P-G	P-M	I-O	P-G	P-M	I-O	P-G	P-M	I-O	
One	125,764	62,009	121,074	11,049	40,658	149,364	N/A	5,003	11,586	N/A	12,658	43,427	582,382
Two	241,532	145,178	322,001	20,668	91,531	292,178	N/A	10,401	27,371	N/A	27,744	90,832	1,288,437
Three	118,415	61,707	164,172	10,126	38,561	144,258	N/A	4,546	13,758	N/A	12,294	50,389	618,226
Four	103,525	68,981	150,947	7,901	33,500	133,079	N/A	4,582	12,020	N/A	13,274	51,052	578,951
Five	45,081	29,569	70,747	3,187	16,425	70,448	N/A	2,418	5,213	N/A	7,616	30,167	288,871
Six	11,696	13,269	15,851	1,132	6,619	28,130	N/A	973	1,883	N/A	3,482	19,880	102,924
Seven	4,928	4,165	11,713	357	1,448	8,475	N/A	380	1,014	N/A	1,686	7,956	42,123
Eight	2,207	1,335	2,210	119	145	2,044	N/A	182	0	N/A	1,034	5,967	15,243
Nine	423	634	964	0	254	841	N/A	30	145	N/A	109	2,321	5,729
Ten	423	426	964	0	36	0	N/A	30	145	N/A	109	663	2,796
Eleven	0	354	0	30	36	0	N/A	0	0	N/A	163	0	583
Twelve	333	142	415	0	0	0	N/A	15	0	N/A	54	332	1,291
Fourteen	0	0	0	0	108	0	N/A	0	0	N/A	0	0	108
Fifteen	0	70	0	30	0	841	N/A	0	0	N/A	0	0	941
Eighteen	0	0	0	0	0	0	N/A	15	0	N/A	0	0	15
Nineteen	0	0	0	30	0	0	N/A	0	0	N/A	0	0	30
Twenty	0	0	0	30	0	0	N/A	0	0	N/A	0	0	30
Don't Know	998	212	0	60	145	0	N/A	0	0	N/A	163	332	1,909
Refused	7,530	4,732	9,371	506	3,038	16,409	N/A	182	869	N/A	925	1,658	45,219
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-72: Number of People in Household by State

Q172: How many people, including yourself, normally live in your home?

Number of People in Household

Table E-73: Respondent's Age by State

Q173: How old are you?

Raw Data

RESPONDENT'S AGE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
18-64 Years Old	405	327	96	255	339	125	N/A	185	49	N/A	131	76	1,988
65 or Older	264	252	76	115	247	113	N/A	144	30	N/A	98	55	1,394
Not Asked	3,103	3,114	1,049	1,486	2,843	1,143	N/A	1,563	431	N/A	1,262	789	16,783
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	0	1	2	1	0	0	N/A	0	1	N/A	0	0	5
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,176

Weighted Data

RESPONDENT'S AGE	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
18-64 Years Old	81,196	34,385	72,225	7,594	23,692	82,704	N/A	2,813	7,096	N/A	7,126	25,194	344,027
65 or Older	44,567	27,483	46,922	3,425	16,966	66,660	N/A	2,190	4,345	N/A	5,331	18,233	236,121
Not Asked	537,090	330,774	749,355	44,255	191,846	696,705	N/A	23,766	62,417	N/A	68,652	261,558	2,966,417
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	0	142	1,927	30	0	0	N/A	0	145	N/A	0	0	2,244
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-73: Respondent's Age by State
Q173: How old are you?

Table E-74A: Number in Household Less than 6 Years Old by State

Q174A: How many of the people who live in your home are less than 6 years old?

Raw Data

NUMBER IN HOUSEHOLD LESS THAN 6 YEARS OLD	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	2,361	2,377	815	1,183	2,251	859	N/A	1,210	338	N/A	923	581	12,898
One	442	416	149	189	336	161	N/A	200	54	N/A	180	103	2,230
Two	215	215	62	75	176	82	N/A	119	27	N/A	116	70	1,157
Three	32	49	8	18	29	15	N/A	19	5	N/A	19	24	218
Four	5	7	1	0	4	1	N/A	2	1	N/A	2	2	25
Five	2	0	0	0	1	0	N/A	0	0	N/A	1	3	7
Not Asked	711	626	186	390	630	263	N/A	341	86	N/A	249	137	3,619
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	4	4	2	2	2	0	N/A	1	0	N/A	1	0	16
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

NUMBER IN HOUSEHOLD LESS THAN 6 YEARS OLD	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	409,130	254,902	575,945	35,231	151,547	523,175	N/A	18,399	48,948	N/A	50,211	192,605	2,260,092
One	78,678	42,770	111,237	5,629	22,215	103,081	N/A	3,041	7,820	N/A	9,792	34,145	418,407
Two	33,105	21,731	43,847	2,234	12,442	43,882	N/A	1,809	3,910	N/A	6,310	23,205	192,476
Three	6,108	5,298	6,064	536	1,845	9,317	N/A	289	724	N/A	1,034	7,956	39,172
Four	453	706	964	0	433	841	N/A	30	145	N/A	109	663	4,344
Five	363	0	0	0	36	0	N/A	0	0	N/A	54	995	1,448
Not Asked	134,292	56,954	130,445	11,615	43,841	165,773	N/A	5,185	12,454	N/A	13,546	45,416	629,520
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	725	424	1,927	60	145	0	N/A	15	0	N/A	54	0	3,350
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-74A: Number in Household Less than 6 Years Old by State

Q174A: How many of the people who live in your home are less than 6 years old?

Number in Household Less than 6 Years Old

Table E-74B: Number in Household 6 to 17 Years Old by State
Q174B: How many of the people who live in your home are between 6 and 17 years old?

Raw Data

NUMBER IN HOUSEHOLD 6 TO 17 YEARS OLD	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	1,965	1,848	673	1,014	1,797	689	N/A	901	271	N/A	703	404	10,265
One	523	551	164	232	478	193	N/A	288	71	N/A	212	145	2,857
Two	411	447	140	167	359	156	N/A	229	55	N/A	192	122	2,278
Three	114	154	46	36	124	63	N/A	96	20	N/A	78	62	793
Four	35	35	9	12	28	13	N/A	25	5	N/A	39	28	229
Five	8	18	3	4	3	3	N/A	8	1	N/A	9	13	70
Six	1	6	0	0	4	1	N/A	3	0	N/A	5	9	29
Seven	0	3	0	0	3	0	N/A	0	1	N/A	2	0	9
Eight	0	0	0	0	0	0	N/A	0	1	N/A	1	0	2
Not Asked	711	626	186	390	630	263	N/A	341	86	N/A	249	137	3,619
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	4	6	2	2	3	0	N/A	1	0	N/A	1	0	19
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

NUMBER IN HOUSEHOLD 6 TO 17 YEARS OLD	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	361,499	198,186	472,002	30,198	121,373	425,737	N/A	13,700	39,246	N/A	38,243	133,928	1,834,113
One	85,352	58,111	124,595	6,909	32,342	121,415	N/A	4,379	10,282	N/A	11,533	48,068	502,986
Two	62,308	47,598	100,920	4,973	24,563	90,945	N/A	3,482	7,965	N/A	10,445	40,444	393,643
Three	15,235	15,378	31,170	1,072	7,961	31,861	N/A	1,460	2,896	N/A	4,243	20,553	131,828
Four	2,869	3,240	7,576	357	1,737	7,634	N/A	380	724	N/A	2,122	9,282	35,922
Five	543	1,763	1,794	119	109	1,863	N/A	122	145	N/A	490	4,310	11,258
Six	30	564	0	0	217	841	N/A	46	0	N/A	272	2,984	4,954
Seven	0	354	0	0	181	0	N/A	0	145	N/A	109	0	788
Eight	0	0	0	0	0	0	N/A	0	145	N/A	54	0	199
Not Asked	134,292	66,954	130,445	11,615	43,841	165,773	N/A	5,185	12,454	N/A	13,546	45,416	629,520
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	726	636	1,927	60	181	0	N/A	15	0	N/A	54	0	3,599
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-74B: Number in Household 6 to 17 Years Old by State

Q174B: How many of the people who live in your home are between 6 and 17 years old?

Number in Household 6 to 17 Years Old

Table E-74C: Number in Household 18 to 64 Years Old by State
Q174C: How many of the people who live in your home are between 18 and 64 years old?

Raw Data	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	332	371	123	139	358	127	N/A	172	43	N/A	121	60	1,846
One	305	308	95	131	336	116	N/A	187	51	N/A	129	75	1,723
Two	2,005	1,964	652	958	1,793	706	N/A	1,020	268	N/A	842	524	10,732
Three	305	315	138	177	256	129	N/A	140	53	N/A	115	99	1,727
Four	73	84	29	41	49	32	N/A	26	9	N/A	27	21	397
Five	1	11	1	7	2	4	N/A	2	0	N/A	5	1	56
Six	2	5	0	6	1	2	N/A	0	1	N/A	2	3	24
Seven	2	2	0	1	1	1	N/A	1	0	N/A	0	0	8
Eight	3	0	0	1	0	0	N/A	0	0	N/A	0	0	5
Nine	2	0	0	1	0	0	N/A	0	0	N/A	0	0	3
Ten	1	0	0	0	0	0	N/A	0	0	N/A	0	0	1
Twelve	1	0	0	0	0	0	N/A	1	0	N/A	0	0	2
Thirteen	1	0	0	1	0	0	N/A	0	0	N/A	0	0	1
Eighteen	1	0	0	0	0	0	N/A	1	0	N/A	0	0	1
Nineteen	1	0	0	1	0	0	N/A	0	0	N/A	0	0	1
Twenty	1	0	0	1	0	0	N/A	0	0	N/A	0	0	1
Not Asked	526	526	155	390	630	263	N/A	341	86	N/A	249	137	3,619
Don't know	1	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	5	8	0	2	3	1	N/A	1	0	N/A	1	0	23
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Table E-74C: Number in Household 18 to 64 Years Old by State
Q174C: How many of the people who live in your home are between 18 and 64 years old?

Weighted Data	NUMBER IN HOUSEHOLD 18 TO 64 YEARS OLD	Washington			Oregon			Montana			Idaho			TOTAL
		P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
	Zero	48,127	40,914	81,797	4,140	24,094	81,083	N/A	2,615	6,227	N/A	6,582	19,880	315,469
	One	51,249	33,558	62,721	3,901	22,287	67,202	N/A	2,843	7,386	N/A	7,018	24,863	283,828
	Two	344,844	206,233	467,663	28,531	119,931	424,842	N/A	15,510	38,811	N/A	45,805	173,709	1,865,878
	Three	57,908	33,329	95,703	5,271	18,229	80,122	N/A	2,129	7,675	N/A	6,256	32,819	339,442
	Four	18,419	8,969	24,656	1,221	3,796	21,637	N/A	385	1,303	N/A	1,469	6,962	88,828
	Five	4,446	1,273	5,101	208	73	2,705	N/A	30	0	N/A	272	332	14,440
	Six	423	566	0	179	36	1,022	N/A	0	145	N/A	109	985	3,474
	Seven	666	140	0	30	36	841	N/A	15	0	N/A	0	0	1,728
	Eight	998	0	415	30	0	0	N/A	0	0	N/A	0	0	1,444
	Nine	363	0	0	30	0	0	N/A	0	0	N/A	0	0	393
	Ten	333	0	0	0	0	0	N/A	0	0	N/A	0	0	333
	Twelve	333	0	0	0	0	0	N/A	15	0	N/A	0	0	348
	Thirteen	0	0	0	30	0	0	N/A	0	0	N/A	0	0	30
	Eighteen	0	0	0	0	0	0	N/A	15	0	N/A	0	0	15
	Nineteen	0	0	0	30	0	0	N/A	0	0	N/A	0	0	30
	Twenty	0	0	0	30	0	0	N/A	0	0	N/A	0	0	30
	Not Asked	134,292	66,954	130,445	11,615	43,841	165,773	N/A	5,185	12,454	N/A	13,546	45,416	628,520
	Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
	Refused	453	847	1,927	60	181	841	N/A	15	0	N/A	54	0	4,379
	TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-74C: Number in Household 18 to 64 Years Old by State
Q174C: How many of the people who live in your home are between 18 and 64 years old?

Weighted Data

Number in Household 18 to 64 Years Old

Table E-74D: Number in Household Age 65 and Over by State

Q174D: How many of the people who live in your home are 55 and over?

Raw Data

NUMBER IN HOUSEHOLD AGE 65 AND OVER	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	2,519	2,489	844	1,236	2,193	903	N/A	1,249	349	N/A	1,035	678	13,485
One	183	175	64	74	214	74	N/A	114	27	N/A	74	41	1,041
Two	351	387	124	151	379	138	N/A	184	49	N/A	130	62	1,955
Three	2	6	3	2	6	1	N/A	2	0	N/A	2	2	26
Four	1	1	0	0	3	0	N/A	1	0	N/A	0	0	6
Five	0	0	0	1	1	0	N/A	0	0	N/A	0	0	2
Six	0	1	0	1	0	1	N/A	0	0	N/A	0	0	3
Not Asked	711	626	186	390	630	263	N/A	341	86	N/A	249	137	3,619
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	5	8	2	2	3	1	N/A	1	0	N/A	1	0	23
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Weighted Data

NUMBER IN HOUSEHOLD AGE 65 AND OVER	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Zero	445,362	262,381	611,016	36,810	148,072	544,336	N/A	18,992	50,541	N/A	56,304	224,761	2,398,574
One	30,326	19,002	41,937	2,204	14,615	44,420	N/A	1,733	3,910	N/A	4,026	13,592	175,763
Two	51,725	42,896	82,761	4,497	25,217	89,677	N/A	2,798	7,096	N/A	7,072	20,553	334,292
Three	363	420	2,343	60	362	181	N/A	30	0	N/A	109	663	4,530
Four	333	142	0	0	181	0	N/A	15	0	N/A	0	0	671
Five	0	0	0	30	36	0	N/A	0	0	N/A	0	0	66
Six	0	142	0	30	0	841	N/A	0	0	N/A	0	0	1,013
Not Asked	134,292	66,954	130,445	11,615	43,841	165,773	N/A	5,185	12,454	N/A	13,546	45,416	629,520
Don't Know	0	0	0	0	0	0	N/A	0	0	N/A	0	0	0
Refused	453	847	1,927	60	181	841	N/A	15	0	N/A	54	0	4,379
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-74D: Number in Household Age 65 and Over by State

Q174D: How many of the people who live in your home are 65 and over?

Table E-75: Respondent's Education Level by State

Q179: What is the highest level of education that you have completed?

Raw Data

RESPONDENT'S EDUCATION LEVEL	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Grade School	43	24	6	7	40	17	N/A	18	5	N/A	10	8	178
Some High School	255	271	81	64	274	106	N/A	153	34	N/A	110	54	1,402
High School Graduate	1,046	1,137	367	368	1,152	450	N/A	709	181	N/A	486	289	6,165
Some College	1,116	1,125	337	601	999	383	N/A	474	123	N/A	384	264	5,827
College Graduate	1,083	942	383	755	779	359	N/A	450	144	N/A	426	236	5,557
Trade or Technical School	152	128	36	53	119	35	N/A	65	19	N/A	46	34	689
Don't know	16	7	3	3	9	4	N/A	4	1	N/A	7	2	56
Refused	61	59	20	16	57	27	N/A	19	5	N/A	19	13	296
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,491	920	20,170

Weighted Data

RESPONDENT'S EDUCATION LEVEL	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Grade School	4,926	2,183	4,685	208	2,677	11,660	N/A	274	724	N/A	544	2,652	30,534
Some High School	31,867	28,956	52,289	1,906	17,946	59,449	N/A	2,326	4,924	N/A	5,964	17,901	223,569
High School Graduate	164,045	123,631	249,177	10,662	75,907	268,923	N/A	10,781	26,212	N/A	26,438	95,805	1,051,581
Some College	193,695	121,280	241,964	17,889	68,550	234,358	N/A	7,207	17,813	N/A	20,889	94,148	1,017,804
College Graduate	227,813	95,825	281,357	22,485	54,943	228,042	N/A	6,843	20,854	N/A	23,174	78,235	1,038,571
Trade or Technical School	26,669	13,486	24,823	1,578	7,995	24,162	N/A	988	2,607	N/A	2,666	11,271	116,245
Don't know	2,297	849	1,794	89	471	2,705	N/A	61	145	N/A	381	663	9,456
Refused	11,521	6,573	14,339	477	4,015	16,770	N/A	289	724	N/A	1,034	4,310	60,050
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,899

Chart E-75: Respondent's Education Level by State
Q179: What is the highest level of education that you have completed?

Table E-76: 1991 Household Income by State, Above/Below \$25,000
Q186: Was your total household income before taxes for 1991 above or below \$25,000?

Raw Data

1991 HOUSEHOLD INCOME	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Below \$25,000	1,154	1,153	330	655	1,268	520	N/A	889	230	N/A	528	331	7,088
\$25,000 or Above	2,052	2,039	694	978	1,709	686	N/A	792	222	N/A	805	480	10,457
Don't know	193	167	78	72	164	65	N/A	72	20	N/A	60	37	928
Refused	373	335	121	152	268	110	N/A	129	39	N/A	98	72	1,897
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,491	920	20,170

Weighted Data

1991 HOUSEHOLD INCOME	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Below \$25,000	176,678	124,176	200,906	19,507	85,384	313,942	N/A	13,670	33,308	N/A	28,723	109,728	1,114,022
\$25,000 or Above	382,883	215,507	518,003	29,125	116,521	429,161	N/A	12,043	32,150	N/A	43,792	159,123	1,938,306
Don't know	32,443	17,869	53,783	2,144	11,206	33,543	N/A	1,095	2,886	N/A	3,264	12,266	170,589
Refused	70,851	35,232	89,737	4,527	19,313	69,423	N/A	1,962	5,648	N/A	5,331	23,868	325,891
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Chart E-76: 1991 Household Income by State, Above/Below \$25,000

Q186: Was your total household income before taxes for 1991 above or below \$25,000?

Table E-77: Household Income by State

Q188 and Q189: What is your household income?

Raw Data

HOUSEHOLD INCOME	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Below \$5,000	75	62	24	67	93	31	N/A	68	18	N/A	33	20	491
\$5,000 to < \$10,000	184	204	44	109	227	89	N/A	140	35	N/A	87	45	1,164
\$10,000 to < \$15,000	243	262	63	150	275	102	N/A	199	42	N/A	109	72	1,517
\$15,000 to < \$20,000	233	237	76	125	266	119	N/A	193	57	N/A	105	80	1,491
\$20,000 to < \$25,000	309	287	95	147	310	135	N/A	221	60	N/A	141	91	1,796
\$25,000 to < \$30,000	387	396	128	191	391	139	N/A	222	69	N/A	159	91	2,173
\$30,000 to < \$40,000	554	517	174	273	504	194	N/A	236	59	N/A	226	133	2,870
\$40,000 to < \$50,000	363	386	127	172	288	127	N/A	135	33	N/A	134	92	1,857
\$50,000 to < \$60,000	231	223	92	99	169	59	N/A	72	16	N/A	80	56	1,107
\$60,000 to < \$80,000	184	172	67	91	129	50	N/A	41	19	N/A	77	31	861
\$80,000 to < \$100,000	89	72	20	41	32	29	N/A	11	3	N/A	36	14	347
\$100,000 or More	68	80	21	38	48	32	N/A	17	10	N/A	21	13	348
Not Asked	565	502	199	224	432	175	N/A	201	59	N/A	158	109	2,625
Don't Know	122	124	33	63	136	45	N/A	71	16	N/A	48	33	691
Refused	164	170	60	67	129	55	N/A	65	15	N/A	77	30	832
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	20,170

Table E-77: Household Income by State
Q188 and Q189: What is your household income?

Weighted Data	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
HOUSEHOLD INCOME													
Below \$5,000	12,850	6,567	16,001	1,995	6,403	19,474	N/A	1,034	2,607	N/A	1,795	6,630	75,357
\$5,000 to < \$10,000	28,237	21,752	23,761	3,246	15,447	55,058	N/A	2,129	5,069	N/A	4,733	14,918	174,349
\$10,000 to < \$15,000	36,066	28,758	40,425	4,467	17,622	62,031	N/A	3,026	6,082	N/A	5,930	23,868	228,275
\$15,000 to < \$20,000	42,121	25,499	46,374	3,723	17,079	73,691	N/A	2,935	8,255	N/A	5,712	26,520	251,909
\$20,000 to < \$25,000	41,381	30,579	62,490	4,378	21,343	80,545	N/A	3,360	8,689	N/A	7,670	30,167	290,603
\$25,000 to < \$30,000	63,099	42,089	93,742	5,688	26,157	81,928	N/A	3,376	9,992	N/A	8,650	30,167	364,887
\$30,000 to < \$40,000	97,484	54,797	122,171	8,130	33,214	116,309	N/A	3,589	8,544	N/A	12,294	44,090	500,622
\$40,000 to < \$50,000	69,944	41,245	91,133	5,122	20,832	80,422	N/A	2,053	4,779	N/A	7,290	30,498	353,319
\$50,000 to < \$60,000	44,180	23,225	72,756	2,948	11,180	38,407	N/A	1,095	2,317	N/A	4,352	21,879	222,339
\$60,000 to < \$80,000	40,647	17,643	55,792	2,710	9,943	33,478	N/A	623	2,752	N/A	4,189	10,277	178,054
\$80,000 to < \$100,000	18,720	6,836	14,339	1,221	2,026	19,113	N/A	167	434	N/A	1,958	4,641	69,456
\$100,000 or More	12,942	9,121	15,851	1,132	3,328	21,637	N/A	258	1,448	N/A	1,142	4,310	71,169
Not Asked	103,293	53,101	143,520	6,671	30,599	102,966	N/A	3,056	8,544	N/A	8,595	36,134	496,481
Don't Know	19,410	13,206	23,577	1,876	8,252	25,967	N/A	1,080	2,317	N/A	2,611	10,940	109,236
Refused	32,478	18,366	48,498	1,995	9,079	35,042	N/A	988	2,172	N/A	4,189	9,945	162,753
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,985	3,548,809

Weighted Data

Chart E-77: Household Income by State
Q188 and Q189: What is your household income?

Household Income

Table E-78: Authorize Billing Information by State

Q192: Would you be willing to authorize your utility(ies) to provide us information on the amounts of fuel you use?

Raw Data

AUTHORIZE BILLING INFORMATION	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	2,206	2,374	741	1,179	2,233	883	N/A	1,248	316	N/A	962	571	12,713
No	1,239	1,085	384	561	948	383	N/A	458	151	N/A	381	276	5,886
Do Not Use Electric/Gas Co. Services	31	16	3	7	13	5	N/A	22	3	N/A	5	4	109
Don't Know	232	167	69	83	188	76	N/A	125	28	N/A	109	57	1,134
Refused	64	52	26	27	47	24	N/A	39	13	N/A	24	12	328
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	920	28,170

Weighted Data

AUTHORIZE BILLING INFORMATION	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	375,712	250,451	519,438	35,112	148,804	539,403	N/A	18,977	45,762	N/A	52,333	189,230	2,175,261
No	230,691	117,620	277,387	16,707	66,554	246,737	N/A	6,964	21,868	N/A	21,270	91,495	1,097,294
Do Not Use Electric/Gas Co. Services	5,776	1,551	1,794	208	904	1,564	N/A	335	434	N/A	272	1,326	14,164
Don't Know	39,972	17,940	51,689	2,472	12,734	44,120	N/A	1,901	4,055	N/A	5,930	18,886	199,709
Refused	10,703	5,220	20,121	804	3,508	14,246	N/A	583	1,883	N/A	1,306	3,978	62,361
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,965	3,548,809

Weighted Data

Chart E-78: Authorize Billing Information by State

Q192: Would you be willing to authorize your utility(ies) to provide us information on the amounts of fuel you use?

Authorize Billing Information

Table E-79: Willing to Grant In-Person Interview by State

Q200: Can we re-contact you in about one year for an in-person interview?

Raw Data

WILLING TO GRANT IN-PERSON INTERVIEW	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Yes	1,984	2,175	648	1,051	1,993	794	N/A	1,156	281	N/A	885	525	11,482
Probably	87	80	30	46	75	36	N/A	38	13	N/A	39	15	459
Probably Not	24	26	12	24	32	9	N/A	12	4	N/A	6	6	155
No	91	71	46	45	117	37	N/A	38	15	N/A	24	18	502
Not Asked	1,566	1,720	482	678	1,196	498	N/A	644	195	N/A	529	349	7,457
Don't Know	12	16	3	11	11	7	N/A	3	3	N/A	7	5	78
Refused	8	6	2	2	5	0	N/A	1	0	N/A	1	2	27
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,892	511	N/A	1,491	929	20,170

Weighted Data												
WILLING TO GRANT IN-PERSON INTERVIEW	Washington			Oregon			Montana			Idaho		
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O
Yes	331,197	229,265	449,556	31,300	131,516	465,667	N/A	17,578	40,694	N/A	48,144	174,040
Probably	14,422	8,186	22,330	1,370	5,245	21,689	N/A	578	1,883	N/A	2,122	4,973
Probably Not	4,657	2,610	9,371	715	2,315	4,929	N/A	182	579	N/A	326	1,989
No	21,201	8,059	35,556	1,340	8,643	21,879	N/A	578	2,172	N/A	1,306	5,967
Not Asked	287,142	142,332	350,991	20,192	83,701	306,666	N/A	9,792	28,240	N/A	28,777	115,685
Don't Know	2,177	1,623	1,794	328	760	5,229	N/A	46	434	N/A	381	1,658
Refused	2,057	707	831	60	326	0	N/A	15	0	N/A	54	663
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,965
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Weighted Data

Chart E-79: Willing to Grant In-Person Interview by State
 Q200: Can we re-contact you in about one year for an in-person interview?

Willing to Grant In-Person Interview

Table E-80: Respondent's Gender by State
(Indicated by interviewer)

Raw Data

RESPONDENT'S GENDER	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Male	1,660	1,553	521	823	1,410	593	N/A	793	213	N/A	654	366	8,886
Female	2,112	2,141	702	1,034	2,019	788	N/A	1,089	298	N/A	837	534	11,564
TOTAL	3,772	3,694	1,223	1,857	3,429	1,381	N/A	1,882	511	N/A	1,491	929	20,179

Weighted Data

RESPONDENT'S GENDER	Washington			Oregon			Montana			Idaho			TOTAL
	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	P-G	P-N	I-O	
Male	299,959	164,316	375,964	24,510	96,010	364,790	N/A	12,058	30,846	N/A	35,577	127,361	1,531,992
Female	362,885	228,467	494,465	30,794	136,494	481,279	N/A	16,711	43,156	N/A	45,533	177,024	2,976,817
TOTAL	662,854	392,783	870,429	55,304	232,504	846,069	N/A	28,769	74,002	N/A	81,110	304,385	3,548,809

Weighted Data

Chart E-80: Respondent's Gender by State
(Indicated by interviewer)

PNWRES92-I Primary Documentation Series

- Book 1: Volumes A and B.** The Executive Summary, the Concordance, and the Glossary (A) and the Report on Methodology and the Technical Appendix (B).
- Book 2: Volume C.** Item-by-item crosstabulations for the Pacific Northwest Region.
- Book 3: Volume D.** Item-by-item crosstabulations for the four Bonneville Area Offices (Puget Sound, Lower Columbia, Upper Columbia, and Snake River).
- Book 4: Volume E.** Item-by-item crosstabulations for the four Pacific Northwest states served by Bonneville (Western Montana, Idaho, Washington, and Oregon).
- Book 5: Volume F.** Selected crosstabulations for the Pacific Northwest Region.
- Book 6: Volumes G, H, and I.** Selected crosstabulations for the three publicly-owned *generating* utility domains: Eastern Washington (G), Western Washington (H), and Western Oregon (I).
- Book 7: Volumes J, K, L, M, N, and O.** Selected crosstabulations for the six publicly-owned *non-generating* utility domains: Western Montana (J), Idaho (K), Eastern Washington (L), Western Washington (M), Eastern Oregon (N), and Western Oregon (O).
- Book 8: Volumes P, Q, R, S, T, and U.** Selected crosstabulations for the six investor-owned utility domains: Western Montana (P), Idaho (Q), Eastern Washington (R), Western Washington (S), Eastern Oregon (T), and Western Oregon (U).
- Book 9: Volumes V, W, X and Y.** Selected crosstabulations for Bonneville's four Area Offices: Puget Sound (V), Lower Columbia (W), Upper Columbia (X), and Snake River (Y).
- Book 10: Volumes Z, AA, AB, and AC.** Selected crosstabulations for the four states served by Bonneville: Washington (Z), Oregon (AA), Idaho (AB), and Western Montana (AC).
- Book 11: Volumes AD, AE, and AF.** Selected crosstabulations for the three categories of utilities in the Pacific Northwest: Public Generating (AD), Public Non-Generating (AE), and Investor-Owned (AF).
- Book 12: Volume AG.** A report of a post-survey of PNWRES92-I non-respondents (conducted in late Spring 1993) and their reason(s) for not completing the original survey.

END

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