

Table 30. Fuels and Equipment Characteristics: 1990

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District County Place and [In Selected States] County Subdivision [10,000 or More Persons]	All occupied housing units	Percent with—								
		House heating fuel					Vehicles available			No telephone in unit
		Utility gas	Bottled, tank, or LP gas	Electricity	Fuel oil, kero- sene, etc.	Other or none	None	1	2 or more	
The State -----	1 822 118	61.0	8.4	9.3	14.6	6.8	9.3	32.9	57.8	2.8
District 1 -----	198 909	75.5	4.8	7.5	9.8	2.4	7.7	32.7	59.5	3.3
COUNTY										
Green County (pt.) -----	4 263	30.2	20.8	7.4	33.7	7.9	5.8	23.0	71.1	3.1
Jefferson County (pt.) -----	773	65.7	6.7	13.1	8.9	5.6	3.0	36.5	60.5	2.1
Kenosha County -----	47 029	83.1	2.3	7.2	5.7	1.7	8.5	34.5	57.0	3.6
Racine County -----	63 736	76.8	2.8	7.6	11.1	1.7	8.9	32.8	58.4	3.2
Rock County -----	52 252	73.0	7.6	7.1	9.2	3.1	7.3	32.3	60.4	3.9
Walworth County -----	27 620	72.8	5.7	7.9	10.7	2.8	5.7	34.0	60.3	2.2
Waukesha County (pt.) -----	3 236	65.4	5.6	9.5	17.9	1.6	2.3	15.8	82.0	.5
PLACE AND COUNTY SUBDIVISION										
Beloit city -----	13 307	83.8	.9	7.5	6.2	1.6	11.3	38.3	50.4	8.1
Caledonia town -----	7 058	77.9	2.8	7.5	10.3	1.5	1.5	22.3	76.1	1.0
Janesville city -----	20 388	84.5	.4	8.2	5.2	1.7	7.4	35.0	57.6	2.7
Kenosha city -----	29 908	85.6	.6	7.6	4.9	1.4	11.5	39.2	49.3	4.4
Mount Pleasant town -----	7 741	70.1	1.5	17.5	9.2	1.6	5.5	29.1	65.4	1.1
Pleasant Prairie village -----	4 196	87.1	2.5	2.7	5.2	2.6	3.6	21.4	75.1	.9
Racine city -----	31 767	84.4	.4	5.4	8.5	1.2	14.3	39.8	45.9	5.3
Whitewater city -----	3 631	66.7	1.1	21.0	6.6	4.6	10.3	42.0	47.7	1.0
District 2 -----	208 574	57.7	10.0	13.7	12.8	5.7	8.4	33.7	57.9	2.2
COUNTY										
Columbia County -----	16 868	40.8	20.0	10.9	18.7	9.6	6.5	30.0	63.5	3.1
Dane County -----	142 786	68.5	5.1	15.5	7.7	3.1	9.3	34.8	55.9	1.7
Dodge County (pt.) -----	3 287	32.6	31.2	7.2	22.5	6.5	3.4	26.0	70.6	2.0
Green County (pt.) -----	7 278	42.9	11.1	9.4	30.3	6.3	6.4	37.7	55.9	2.0
Iowa County -----	7 406	23.8	21.3	8.8	30.9	15.1	6.6	28.3	65.1	4.1
Jefferson County (pt.) -----	777	57.0	5.8	16.6	15.6	5.0	8.1	35.4	56.5	4.2
Lafayette County -----	5 876	22.7	19.9	7.7	40.2	9.5	6.4	29.7	63.8	3.5
Richland County -----	6 593	26.3	28.2	6.3	18.5	20.7	7.7	32.0	60.3	3.8
Sauk County -----	17 703	34.8	21.0	11.9	20.3	12.0	6.5	31.9	61.6	3.5
PLACE AND COUNTY SUBDIVISION										
Fitchburg city -----	6 399	63.3	2.0	23.3	5.4	6.0	1.5	37.4	61.1	.7
Madison city -----	77 361	72.7	.9	18.3	6.2	1.9	13.8	40.6	45.5	1.7
Middleton city -----	5 692	71.2	1.0	20.7	4.1	2.9	5.3	37.5	57.3	1.1
Monroe city -----	4 405	59.6	1.6	11.6	26.1	1.1	8.0	46.5	45.5	2.1
Sun Prairie city -----	5 605	73.6	.2	18.3	6.3	1.6	5.4	29.8	64.8	1.3
District 3 -----	197 731	30.6	14.6	15.8	26.3	12.6	7.5	30.9	61.5	2.8
COUNTY										
Barron County -----	15 435	28.0	20.7	12.8	19.7	18.8	7.2	33.1	59.7	3.4
Buffalo County -----	5 123	12.3	20.5	13.0	32.6	21.5	5.7	27.6	66.7	2.7
Chippewa County (pt.) -----	291	—	17.5	4.1	40.5	37.8	2.4	16.2	81.4	1.7
Clark County (pt.) -----	6 242	17.0	17.6	10.2	27.7	27.5	8.7	27.2	64.1	5.2
Crawford County -----	5 914	33.0	22.0	7.9	16.1	21.0	9.1	31.9	59.0	5.4
Dunn County -----	12 250	20.0	21.3	18.2	23.3	17.1	5.8	30.7	63.5	2.5
Eau Claire County (pt.) -----	30 985	31.2	8.4	21.4	32.1	6.9	8.0	34.3	57.7	2.4
Grant County -----	17 169	26.8	14.3	11.9	33.6	13.4	6.8	31.0	62.2	2.3
Jackson County -----	6 253	16.0	23.1	12.6	28.7	19.7	9.7	31.8	58.5	6.6
La Crosse County -----	36 662	48.3	5.8	18.3	22.2	5.4	9.3	34.4	56.3	2.3
Monroe County (pt.) -----	4 748	39.2	7.7	12.4	29.2	11.4	9.5	29.9	60.5	2.2
Pepin County -----	2 612	14.1	25.4	12.6	24.9	23.0	6.6	30.2	63.2	1.5
Pierce County -----	11 011	36.9	16.8	16.5	19.5	10.3	3.9	27.8	68.3	1.9
Polk County (pt.) -----	6 178	23.9	24.2	15.3	23.4	13.2	5.6	27.7	66.7	2.0
St. Croix County -----	17 638	28.1	20.3	18.8	24.5	8.3	4.8	24.2	71.0	1.6
Trempealeau County -----	9 495	22.1	15.3	10.4	35.6	16.6	8.4	28.4	63.2	3.9
Vernon County -----	9 725	24.2	16.6	10.8	28.1	20.3	10.3	28.3	61.4	3.7
PLACE AND COUNTY SUBDIVISION										
Eau Claire city (pt.) -----	20 561	38.7	2.7	23.6	32.6	2.5	9.5	38.2	52.3	2.0
La Crosse city -----	19 970	57.9	1.5	20.1	18.4	2.2	14.5	41.2	44.3	3.1
Menomonie city -----	4 323	38.8	5.3	31.5	20.0	4.3	8.7	42.2	49.1	1.4
Onalaska city -----	4 241	57.4	3.2	21.7	16.5	1.2	4.4	33.2	62.4	.7
River Falls city -----	3 404	61.8	1.8	22.7	11.8	1.9	5.2	35.7	59.1	1.7
District 4 -----	210 085	82.1	.8	6.5	9.2	1.4	11.8	35.9	52.3	2.3
COUNTY										
Milwaukee County (pt.) -----	165 152	84.2	.7	5.9	7.8	1.4	13.9	38.9	47.3	2.7
Waukesha County (pt.) -----	44 933	74.3	.9	9.0	14.1	1.6	4.2	25.0	70.8	.8
PLACE AND COUNTY SUBDIVISION										
Cudahy city -----	7 440	84.2	.6	3.2	10.5	1.5	11.3	38.1	50.6	2.4
Franklin city -----	7 434	79.5	.5	8.6	10.2	1.2	2.3	26.7	71.0	.5
Greendale village -----	5 575	89.8	.1	6.2	2.9	1.0	6.5	28.3	65.2	—
Greenfield city -----	13 785	79.1	.4	11.2	7.1	2.2	5.0	39.1	55.9	.5
Milwaukee city (pt.) -----	79 902	87.4	.9	3.7	6.7	1.4	19.9	40.9	39.2	4.5
Muskego city -----	5 563	64.5	2.5	8.9	23.3	.8	2.0	17.2	80.7	.1
New Berlin city -----	11 695	74.7	.3	7.4	16.5	1.2	1.1	20.0	79.0	.3
Oak Creek city -----	7 081	78.5	1.1	10.9	8.5	1.0	3.7	27.6	68.6	1.0
South Milwaukee city -----	8 221	77.4	.3	6.8	14.4	1.1	8.5	38.6	52.9	1.9
Waukesha city -----	21 235	78.0	.6	11.7	7.9	1.9	7.5	33.0	59.5	1.4
West Allis city -----	26 797	83.9	.7	5.8	8.2	1.4	11.5	41.5	47.0	1.1
District 5 -----	207 896	82.7	1.0	6.7	8.0	1.6	22.2	38.8	39.0	4.7

Table 30. Fuels and Equipment Characteristics: 1990—Con.

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District County Place and [In Selected States] County Subdivision [10,000 or More Persons]	All occupied housing units	Percent with—								
		House heating fuel					Vehicles available			No telephone in unit
		Utility gas	Bottled, tank, or LP gas	Electricity	Fuel oil, kero- sene, etc.	Other or none	None	1	2 or more	
District 5 — Con.										
COUNTY										
Milwaukee County (pt.) -----	207 896	82.7	1.0	6.7	8.0	1.6	22.2	38.8	39.0	4.7
PLACE AND COUNTY SUBDIVISION										
Brown Deer village -----	4 838	84.9	.9	9.1	3.8	1.3	3.5	30.7	65.9	—
Glendale city -----	5 513	82.5	.3	10.6	6.3	.3	5.5	35.6	59.0	.1
Milwaukee city (pt.) -----	160 638	82.7	1.1	6.9	7.5	1.8	26.8	39.5	33.7	6.0
Shorewood village -----	6 540	76.0	1.0	11.1	8.9	3.0	13.7	44.8	41.5	.2
Wauwatosa city -----	19 848	82.7	.6	4.1	11.7	.9	7.6	38.1	54.3	.4
Whitefish Bay village -----	5 447	85.1	.7	1.8	12.1	.3	3.9	35.3	60.8	.2
District 6 -----	201 173	57.0	12.2	8.1	15.4	7.3	6.7	32.2	61.1	2.5
COUNTY										
Adams County -----	5 972	14.3	47.3	8.3	8.9	21.2	5.2	32.9	62.0	6.3
Brown County (pt.) -----	476	13.7	14.3	4.2	55.7	12.2	.8	15.8	83.4	—
Calumet County (pt.) -----	10 666	55.8	7.8	6.8	23.7	5.9	3.9	28.2	68.0	1.3
Fond du Lac County (pt.) -----	32 383	58.9	8.6	8.6	20.6	3.3	6.4	33.1	60.5	1.8
Green Lake County -----	7 189	52.6	19.9	6.1	12.7	8.6	6.0	33.7	60.2	3.8
Juneau County -----	8 265	24.5	31.2	7.1	17.9	19.3	7.7	31.5	60.8	5.3
Manitowoc County (pt.) -----	29 881	72.1	6.1	5.6	11.8	4.4	8.2	34.3	57.5	2.3
Marquette County -----	4 831	32.4	32.4	7.1	8.9	19.3	6.0	34.0	61.9	5.2
Monroe County (pt.) -----	8 396	27.4	20.7	9.9	22.3	19.8	8.0	30.0	62.0	4.4
Outagamie County (pt.) -----	6 797	75.1	.8	9.7	12.9	1.5	3.9	27.6	68.6	1.1
Sheboygan County (pt.) -----	8 448	45.2	13.7	9.2	25.1	6.8	4.6	26.3	69.1	1.4
Waupaca County -----	17 037	40.4	17.3	7.7	21.9	12.7	6.4	31.7	61.9	2.6
Waushara County -----	7 616	27.5	28.4	10.6	16.2	17.3	5.8	32.3	62.0	4.4
Winnebago County -----	53 216	74.4	4.7	9.2	9.0	2.7	7.6	33.4	59.0	1.9
PLACE AND COUNTY SUBDIVISION										
Appleton city (pt.) -----	2 248	74.4	1.5	15.7	5.4	3.0	3.5	33.8	62.7	.6
Fond du Lac city -----	14 637	77.5	.7	10.2	10.2	1.4	9.2	40.7	50.1	2.2
Grand Chute town (pt.) -----	137	70.8	4.4	—	24.8	—	—	27.0	73.0	4.4
Manitowoc city -----	13 144	90.9	.4	5.9	1.7	1.1	11.7	41.7	46.6	3.0
Menasha city -----	5 977	66.9	1.7	12.5	17.6	1.4	9.0	38.5	52.5	3.0
Menasha town -----	5 348	74.9	1.3	10.5	10.7	2.6	4.0	29.7	66.3	.7
Neenah city -----	9 024	74.3	1.1	10.7	12.7	1.2	6.8	35.2	58.0	1.4
Oshkosh city -----	20 957	86.8	.5	9.2	1.7	1.8	10.8	38.0	51.2	2.6
Two Rivers city -----	5 164	86.3	.8	6.2	5.7	.9	10.7	40.5	48.8	2.5
District 7 -----	202 066	39.3	14.6	8.1	20.3	17.7	7.4	32.1	60.5	3.4
COUNTY										
Ashland County -----	6 255	47.2	8.5	4.5	15.8	24.0	11.1	37.7	51.2	6.9
Bayfield County -----	5 515	18.0	23.1	6.8	21.8	30.3	6.9	31.6	61.4	3.6
Burnett County -----	5 242	.3	38.4	8.3	17.3	35.6	4.9	31.9	63.2	3.9
Chippewa County (pt.) -----	18 786	21.3	14.4	16.7	32.2	15.5	7.7	28.8	63.4	2.4
Clark County (pt.) -----	4 967	34.6	9.2	13.9	23.3	18.9	7.4	32.4	60.2	3.9
Douglas County -----	16 374	42.1	12.2	8.1	25.3	12.3	12.3	35.0	52.7	3.6
Eau Claire County (pt.) -----	297	2.7	36.4	2.0	23.6	35.4	.7	17.8	81.5	3.7
Iron County -----	2 602	30.7	17.3	5.3	24.9	21.9	9.6	35.6	54.8	3.7
Lincoln County -----	10 159	45.3	16.0	6.6	13.4	18.8	7.0	33.3	59.7	4.5
Marathon County -----	41 547	55.9	6.5	6.6	17.9	13.1	6.3	29.7	64.0	2.4
Oneida County (pt.) -----	5 201	62.4	11.5	9.8	8.1	8.3	9.2	40.9	49.8	2.8
Polk County (pt.) -----	6 878	21.9	25.0	9.0	18.6	25.5	5.6	31.8	62.6	3.5
Portage County -----	21 306	53.6	11.8	8.3	15.8	10.7	6.0	31.2	62.7	2.5
Price County -----	6 054	29.6	17.6	4.2	14.7	33.9	7.7	32.5	59.8	4.6
Rusk County -----	5 693	25.4	21.9	4.4	15.4	33.0	8.7	33.4	57.9	5.6
Sawyer County -----	5 569	.3	44.6	7.8	13.8	33.4	8.0	38.4	53.6	8.8
Taylor County -----	6 692	19.7	16.6	6.3	23.8	33.6	5.6	29.1	65.2	3.6
Washburn County -----	5 456	—	37.7	7.3	25.4	29.5	6.8	33.8	59.3	4.4
Wood County -----	27 473	49.1	10.0	7.7	23.5	9.6	6.9	32.6	60.6	2.5
PLACE AND COUNTY SUBDIVISION										
Chippewa Falls city -----	5 102	36.2	3.6	26.8	28.8	4.6	15.7	35.3	49.0	2.5
Eau Claire city (pt.) -----	601	25.8	4.3	36.6	25.1	8.2	3.2	31.8	65.1	—
Marshfield city -----	7 801	61.7	1.2	17.2	16.5	3.6	10.3	38.2	51.5	2.6
Stevens Point city -----	8 245	74.2	1.4	14.0	8.2	2.2	9.8	43.9	46.3	2.5
Superior city -----	11 001	61.9	3.2	9.1	22.9	3.0	16.6	40.2	43.3	3.6
Wausau city -----	14 718	77.0	.9	6.1	12.5	3.4	11.1	40.5	48.3	3.0
Weston town -----	4 124	65.4	1.6	16.7	9.5	6.7	2.2	25.8	72.0	1.7
Wisconsin Rapids city -----	7 536	68.6	.8	6.4	21.1	3.1	8.6	42.0	49.4	2.7
District 8 -----	202 739	54.2	12.5	8.0	15.5	9.8	6.6	32.3	61.2	2.7
COUNTY										
Brown County (pt.) -----	71 804	77.8	3.8	8.1	7.2	3.1	7.3	33.1	59.6	1.9
Calumet County (pt.) -----	1 106	88.2	1.3	4.0	5.5	1.1	—	24.5	75.5	—
Door County -----	10 066	31.0	16.2	14.2	28.8	9.8	4.5	31.2	64.3	2.3
Florence County -----	1 755	.1	34.2	8.0	25.9	31.8	5.9	30.0	64.1	4.2
Forest County -----	3 290	27.4	22.4	5.4	12.1	32.7	8.8	36.7	54.6	10.1
Kewaunee County -----	6 756	39.9	14.8	4.8	32.4	8.0	5.8	30.6	63.6	2.1
Langlade County -----	7 563	39.1	19.4	3.3	15.5	22.7	7.6	35.7	56.6	4.4
Manitowoc County (pt.) -----	231	10.8	19.5	3.9	48.1	17.7	1.7	19.0	79.2	2.6
Marinette County -----	15 542	39.8	19.6	6.9	16.0	17.7	7.6	33.3	59.1	3.2
Menominee County -----	1 079	1.7	53.9	5.8	12.7	25.9	16.1	41.0	42.9	22.8
Oconto County -----	11 283	29.4	27.6	4.9	19.4	18.8	5.3	30.4	64.3	4.5
Oneida County (pt.) -----	7 465	22.6	39.0	8.4	12.4	17.6	3.7	32.6	63.8	2.4
Outagamie County (pt.) -----	43 730	59.0	6.5	9.5	20.6	4.3	5.9	30.3	63.7	1.6
Shawano County -----	13 775	36.8	11.7	5.1	25.6	20.9	7.2	31.1	61.8	3.7
Vilas County -----	7 294	17.3	42.0	11.7	10.0	19.1	5.8	37.0	57.2	5.0

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		House heating fuel					Vehicles available			
		Utility gas	Bottled, tank, or LP gas	Electricity	Fuel oil, kero- sene, etc.	Other or none	None	1	2 or more	
District 8 —Con.										
PLACE AND COUNTY SUBDIVISION										
Allouez village	4 976	94.1	.2	2.6	2.3	.8	3.7	27.2	69.1	.6
Appleton city (pt.)	22 573	76.3	.6	6.6	14.9	1.7	7.6	35.2	57.2	1.4
Ashwaubenon village	6 080	80.2	.7	13.8	3.5	1.9	3.5	29.8	66.6	1.2
De Pere city	5 774	85.1	1.0	7.7	3.9	2.3	5.9	32.5	61.7	1.4
Grand Chute town (pt.)	5 328	61.6	2.4	22.0	11.3	2.6	2.1	28.0	70.0	1.2
Green Bay city	38 383	84.8	1.0	9.1	3.2	1.9	10.5	39.5	50.0	2.7
Kaukauna city	4 365	67.1	.8	11.6	18.2	2.3	9.8	30.6	59.6	1.6
Marinette city	4 833	85.7	.7	8.8	2.0	2.8	11.8	41.1	47.2	2.3
District 9	192 945	68.5	5.4	8.9	14.5	2.7	4.9	26.9	68.2	1.2
COUNTY										
Dodge County (pt.)	23 566	57.6	10.5	8.7	18.6	4.5	6.5	32.3	61.1	1.8
Fond du Lac County (pt.)	261	—	28.4	14.9	46.7	10.0	1.9	13.4	84.7	.8
Jefferson County (pt.)	22 469	62.8	9.4	9.5	13.7	4.7	6.1	30.1	63.8	2.3
Ozaukee County	25 707	72.3	3.2	8.9	13.7	1.9	2.8	24.4	72.8	.8
Sheboygan County (pt.)	30 144	79.5	3.1	7.6	8.2	1.6	8.8	37.0	54.3	2.3
Washington County	32 977	60.6	6.5	12.2	17.2	3.5	4.2	24.9	70.9	.9
Waukesha County (pt.)	57 821	72.7	3.2	7.6	15.0	1.5	3.1	20.5	76.3	.3
PLACE AND COUNTY SUBDIVISION										
Beaver Dam city	5 751	78.3	.5	9.1	11.5	.7	10.6	39.7	49.7	1.7
Brookfield city	11 939	84.9	.4	2.6	11.4	.6	1.9	15.6	82.5	—
Fort Atkinson city	3 987	85.2	.6	11.0	2.1	1.2	8.4	32.0	59.7	1.8
Germantown village	4 931	74.7	1.8	13.0	9.0	1.4	1.5	23.0	75.5	.1
Menomonee Falls village	9 817	81.0	.9	7.9	9.1	1.0	4.3	23.5	72.2	.2
Mequon city	6 254	83.5	1.5	3.4	11.1	.5	1.2	15.8	83.0	—
Milwaukee city (pt.)	—	—	—	—	—	—	—	—	—	—
Oconomowoc city	4 194	83.8	.9	6.0	8.3	1.0	9.6	32.0	58.5	.9
Sheboygan city	19 703	88.2	.5	6.7	4.0	.6	11.7	41.8	46.6	2.9
Watertown city	6 827	83.9	1.0	7.9	5.9	1.3	9.2	37.8	53.0	2.9
West Bend city	8 686	71.0	.8	19.1	7.9	1.3	7.0	32.6	60.4	1.5