

**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—									No telephone in unit
		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		
<b>The State</b> -----	<b>3 419 331</b>	<b>76.9</b>	<b>6.1</b>	<b>5.4</b>	<b>6.9</b>	<b>4.7</b>	<b>10.1</b>	<b>33.1</b>	<b>56.8</b>	<b>4.1</b>	
District 1 -----	219 952	47.4	13.6	5.7	15.6	17.7	7.7	35.3	57.0	4.5	
<b>COUNTY</b>											
Alger County -----	3 337	41.9	13.1	3.6	8.6	32.9	8.6	33.2	58.2	4.4	
Alpena County -----	11 838	58.3	8.9	3.1	15.2	14.5	6.9	34.9	58.2	4.6	
Antrim County -----	6 980	31.4	24.4	6.5	14.8	23.0	4.9	34.5	60.6	6.7	
Baraga County -----	3 065	38.1	17.4	2.6	17.7	24.2	11.7	34.1	54.2	4.0	
Benzie County -----	4 772	29.4	23.3	5.4	19.4	22.5	4.8	36.4	58.8	4.8	
Charlevoix County -----	8 243	48.5	14.8	4.3	11.6	20.8	6.6	34.7	58.7	4.7	
Cheboygan County -----	8 201	40.9	21.7	5.1	8.6	23.7	5.9	34.6	59.6	6.1	
Chippewa County -----	11 541	43.9	8.1	10.4	19.0	18.7	9.3	39.5	51.2	5.9	
Crawford County (pt.) -----	1 041	16.5	52.7	3.7	5.9	21.2	6.0	35.1	59.0	13.4	
Delta County -----	14 531	56.1	10.1	4.3	11.9	17.6	8.6	33.7	57.7	3.9	
Dickinson County -----	10 633	67.8	7.5	4.5	10.9	9.3	8.6	34.0	57.5	2.7	
Emmet County -----	9 516	48.2	16.6	3.2	10.8	21.2	5.9	32.3	61.8	4.2	
Gogebic County -----	7 449	45.3	6.2	3.0	30.2	15.2	13.8	39.0	47.2	5.0	
Grand Traverse County -----	23 965	63.6	10.4	5.1	11.9	9.0	4.6	34.4	61.0	1.8	
Houghton County -----	13 172	44.6	8.2	8.0	22.3	16.9	14.1	39.4	46.4	3.9	
Iron County -----	5 655	54.9	8.1	4.9	11.3	20.8	10.5	38.6	50.9	4.4	
Kalkaska County -----	4 934	20.5	35.8	4.2	12.4	27.1	5.5	34.7	59.9	10.0	
Keweenaw County -----	7 777	.4	14.3	4.9	56.8	23.7	14.4	36.4	49.2	1.4	
Leelanau County -----	6 274	18.8	23.1	8.6	27.1	22.4	3.4	28.5	68.1	2.9	
Luce County -----	2 154	39.0	12.5	3.3	16.3	28.8	7.0	40.1	52.9	8.3	
Mackinac County -----	4 240	21.9	14.3	15.8	19.5	28.5	9.6	39.2	51.2	6.5	
Marquette County -----	25 435	60.0	6.7	7.9	14.7	10.7	8.4	33.8	57.8	2.6	
Menominee County -----	9 766	53.5	12.8	3.2	13.6	16.8	8.2	34.8	57.0	4.2	
Montmorency County -----	3 600	.4	45.8	3.0	23.3	27.5	5.2	38.6	56.2	10.7	
Ontonagon County -----	3 641	25.5	10.7	5.2	28.6	30.1	6.8	36.4	56.8	6.0	
Otsego County -----	6 522	41.9	22.0	5.8	13.5	16.8	5.6	34.4	60.0	5.2	
Presque Isle County -----	5 376	33.3	21.4	2.0	18.0	25.3	6.7	36.6	56.6	5.6	
Schoolcraft County -----	3 294	32.4	15.0	11.4	15.8	25.4	8.9	36.7	54.4	8.6	
<b>PLACE AND COUNTY SUBDIVISION</b>											
Alpena city -----	4 714	88.4	.3	4.3	3.6	3.4	10.6	42.7	46.7	4.8	
Escanaba city -----	5 728	84.0	.8	5.8	5.2	4.2	14.9	40.8	44.3	5.1	
Garfield township -----	4 137	80.9	5.2	4.4	6.0	3.5	5.5	41.6	52.9	2.0	
Marquette city -----	7 957	75.9	1.0	11.5	8.0	3.6	11.8	40.1	48.1	2.5	
Sault Ste. Marie city -----	5 623	75.0	1.4	9.9	7.1	6.5	14.0	46.9	39.1	4.9	
Traverse City city -----	6 201	88.8	.9	6.4	2.1	1.8	9.1	41.8	49.0	1.0	
District 2 -----	206 325	64.9	11.3	3.5	11.1	9.3	6.3	30.7	63.0	4.6	
<b>COUNTY</b>											
Allegan County (pt.) -----	25 299	55.2	13.0	3.6	19.7	8.4	3.9	29.4	66.7	4.3	
Barry County (pt.) -----	6 694	46.7	17.9	4.2	19.1	12.0	1.8	26.5	71.7	1.8	
Lake County -----	3 536	7.9	41.3	2.0	19.4	29.4	9.9	40.5	49.6	11.2	
Manistee County -----	8 580	42.5	15.7	5.3	19.2	17.3	9.1	36.5	54.4	6.2	
Mason County -----	9 984	51.2	16.8	3.8	12.9	15.6	9.0	35.9	55.1	5.3	
Muskegon County -----	57 798	80.6	5.7	3.0	5.3	5.4	9.7	33.5	56.8	5.9	
Newaygo County -----	13 776	28.4	29.4	3.4	17.8	21.0	5.5	32.9	61.6	7.4	
Oceana County -----	8 071	30.5	25.1	3.5	21.3	19.6	5.5	32.6	61.8	10.1	
Ottawa County -----	62 664	79.2	5.2	3.5	7.4	4.7	3.5	25.5	71.1	1.6	
Wexford County -----	9 923	51.5	16.5	4.2	11.1	16.7	8.3	34.8	58.8	6.2	
<b>PLACE AND COUNTY SUBDIVISION</b>											
Cadillac city -----	4 001	87.8	1.6	4.6	1.8	4.2	14.1	41.1	44.8	5.8	
Fruitport township -----	3 865	75.8	7.9	1.7	7.5	7.1	1.6	23.8	74.6	2.3	
Georgetown township -----	10 230	89.7	2.3	2.4	3.2	2.4	2.4	18.1	79.6	—	
Grand Haven city -----	4 772	89.4	.3	7.4	1.6	1.6	7.1	43.0	49.9	2.7	
Holland city -----	10 572	93.7	.6	3.5	.4	1.8	7.4	35.8	56.8	3.9	
Holland township -----	6 039	90.5	1.1	4.1	2.7	1.6	1.9	28.0	70.1	2.1	
Jenison CDP -----	5 482	97.2	.5	.4	.7	1.3	2.6	18.6	78.8	—	
Muskegon city -----	14 770	93.7	.4	4.1	.4	1.4	18.5	42.5	39.0	10.6	
Muskegon township -----	5 558	90.4	1.2	1.9	2.4	4.1	6.5	32.8	60.7	3.3	
Muskegon Heights city -----	4 920	95.7	.3	2.8	.6	6	27.0	40.2	32.8	15.5	
Norton Shores city -----	8 306	95.7	.7	1.2	.7	1.8	4.2	31.0	64.9	1.8	
Park township -----	4 657	89.8	.9	3.0	3.8	2.5	1.3	18.6	80.1	.9	
Spring Lake township -----	4 087	90.8	1.2	2.9	2.1	3.0	3.2	29.2	67.6	1.5	
District 3 -----	208 491	81.1	5.4	3.2	6.3	4.0	7.8	32.7	59.5	3.7	
<b>COUNTY</b>											
Barry County (pt.) -----	8 304	49.8	16.6	4.8	17.2	11.6	5.6	30.5	63.9	5.3	
Ionia County -----	18 447	51.7	15.7	4.4	19.0	9.2	6.7	30.6	62.7	6.3	
Kent County -----	181 740	85.5	3.8	3.0	4.6	3.2	8.0	33.0	59.0	3.4	
<b>PLACE AND COUNTY SUBDIVISION</b>											
Byron township -----	4 726	81.6	4.7	1.1	8.5	4.0	2.3	30.0	67.7	1.8	
Cascade township -----	4 420	84.7	3.4	2.1	7.5	2.4	2.3	13.0	84.7	.3	
Cutlerville CDP -----	4 290	95.2	.4	2.4	.7	1.3	2.8	42.3	54.9	1.5	
East Grand Rapids city -----	3 784	97.3	.2	1.0	.6	1.0	3.7	21.6	74.7	—	
Forest Hills CDP -----	5 502	72.6	7.4	2.6	13.0	4.3	1.6	12.9	85.5	.7	
Gaines township -----	5 122	84.5	2.6	3.9	6.1	2.9	2.3	32.4	65.2	.6	
Grand Rapids city -----	69 029	94.9	.5	3.1	.4	1.1	14.7	38.9	46.4	6.7	
Grand Rapids Charter township -----	3 619	88.8	2.1	4.4	3.2	1.4	3.6	20.8	75.7	—	
Grandville city -----	5 643	92.2	1.0	3.4	.7	2.8	2.7	29.3	68.0	.3	
Kentwood city -----	15 247	92.9	.6	2.9	.5	3.0	4.7	37.4	57.8	1.1	
Northview CDP -----	5 024	93.4	1.2	1.5	1.9	1.9	3.7	30.9	65.4	.9	
Plainfield township -----	8 893	88.1	2.5	3.1	3.6	2.7	2.9	28.4	68.6	.8	
Walker city -----	6 669	86.7	1.6	3.6	3.9	4.3	4.9	34.4	60.8	2.2	
Wyoming city -----	24 168	93.8	.3	3.3	.8	2.0	5.3	36.2	58.4	1.7	

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

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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 4 -----	207 277	50.5	18.8	5.4	13.5	11.9	5.7	31.9	62.3	5.7
<b>COUNTY</b>										
Clare County -----	9 698	30.2	35.2	5.1	12.3	17.2	8.1	40.1	51.8	8.1
Clinton County -----	20 212	59.1	9.6	4.7	19.9	6.7	3.0	25.0	72.0	2.7
Crawford County (pt.) -----	3 400	39.8	27.9	6.1	5.1	21.0	6.4	34.9	58.7	8.4
Gladwin County -----	8 357	28.5	34.7	4.3	13.5	19.1	8.2	35.6	56.1	7.8
Gratiot County -----	13 659	56.5	15.3	6.2	13.1	8.9	6.1	34.5	59.4	6.9
Isabella County -----	17 591	54.9	18.5	8.7	8.7	9.2	6.3	33.8	59.9	5.8
Mecosta County -----	12 260	42.3	24.2	7.1	11.7	14.6	6.9	34.6	58.6	7.1
Midland County -----	27 791	67.3	12.1	4.6	8.4	7.5	4.7	27.3	68.0	3.2
Missaukee County -----	4 389	26.7	23.2	3.3	18.3	28.4	4.9	34.0	61.1	6.7
Montcalm County -----	18 563	46.9	22.0	2.7	13.8	14.6	5.3	35.1	59.6	9.9
Ogemaw County -----	7 190	18.2	35.1	6.8	17.3	22.6	7.2	36.8	55.9	7.2
Osceola County -----	7 347	29.8	29.0	3.0	17.5	20.7	6.9	38.4	54.7	6.8
Oscoda County -----	3 160	1.0	38.9	5.4	17.1	37.6	8.3	36.6	55.2	12.8
Roscommon County -----	8 516	50.0	22.8	8.2	4.5	14.5	5.8	42.9	51.3	6.6
Saginaw County (pt.) -----	26 105	57.3	13.7	4.9	17.2	7.0	4.5	24.7	70.8	3.1
Shiawassee County (pt.) -----	19 039	64.1	8.1	5.7	15.9	6.2	7.2	30.6	62.2	4.5
<b>PLACE AND COUNTY SUBDIVISION</b>										
Big Rapids city -----	3 257	83.0	1.0	13.2	.2	2.6	13.7	39.5	46.7	4.6
Bridgeport township -----	4 514	81.4	3.7	6.2	6.3	2.4	7.2	28.2	64.6	2.3
De Witt township -----	4 041	84.8	2.9	3.6	6.5	2.3	3.1	27.7	69.2	1.7
Midland city (pt.) -----	14 709	91.2	.8	6.3	.7	1.1	5.4	31.7	62.9	2.0
Mount Pleasant city -----	6 661	82.5	.7	15.0	.1	1.8	9.2	38.8	52.0	4.4
Owosso city -----	6 477	90.7	.5	5.6	1.9	1.3	12.0	42.3	45.7	7.1
Thomas township -----	3 788	81.8	2.6	7.4	5.3	2.9	2.0	22.7	75.3	.2
District 5 -----	214 356	67.6	9.9	5.6	10.8	6.1	8.5	33.7	57.8	4.9
<b>COUNTY</b>										
Alcona County -----	4 261	23.2	25.3	5.5	18.4	27.6	3.9	37.4	58.7	7.2
Arenac County -----	5 642	32.9	24.8	3.6	20.0	18.7	5.7	37.2	57.1	9.4
Bay County -----	42 188	79.4	4.9	4.3	6.8	4.5	8.8	32.5	58.7	3.2
Genesee County (pt.) -----	40 438	79.4	5.2	4.5	7.9	2.9	6.6	30.6	62.8	3.6
Huron County -----	13 268	53.8	14.2	4.8	18.6	8.7	6.1	36.7	57.2	5.4
Iosco County -----	11 588	59.0	15.4	4.2	8.0	13.4	5.1	41.0	53.9	5.5
Lapeer County (pt.) -----	10 693	29.6	24.2	6.6	29.1	10.4	3.7	22.4	73.9	5.0
Saginaw County (pt.) -----	52 151	87.8	1.5	7.0	2.5	1.1	14.7	37.5	47.8	5.3
Sanilac County -----	14 658	37.5	20.8	8.9	23.1	9.7	5.8	34.0	60.2	6.5
Tuscola County -----	19 469	41.3	23.0	5.5	20.4	9.8	5.6	30.0	64.4	6.4
<b>PLACE AND COUNTY SUBDIVISION</b>										
Bangor township -----	5 997	87.8	1.4	3.7	2.6	4.5	4.6	30.5	64.9	2.6
Bay City city -----	15 570	93.4	.2	3.5	1.1	1.8	16.1	37.3	46.6	4.8
Beecher CDP -----	4 832	88.7	1.1	7.0	2.6	.5	21.0	40.2	38.8	11.6
Buena Vista Charter township -----	4 037	85.1	2.7	5.5	5.4	1.2	11.9	38.4	49.7	4.7
Genesee township (pt.) -----	8 790	89.3	1.5	2.8	4.5	1.9	7.2	35.3	57.6	4.1
Midland city (pt.) -----	112	86.6	—	—	—	—	—	—	—	—
Mount Morris township -----	8 921	87.6	.7	5.8	4.5	1.4	11.7	33.0	55.2	5.8
Oscoda township -----	4 190	74.2	9.9	4.9	5.3	5.8	5.1	42.9	52.0	3.9
Saginaw city -----	26 179	88.8	1.1	7.5	1.5	1.1	22.7	40.2	37.1	9.0
Saginaw township -----	15 289	90.4	.6	6.4	1.9	.7	5.1	35.1	59.9	.8
Saginaw Township North CDP -----	9 198	90.0	.4	7.2	1.6	.9	5.3	35.0	59.8	.7
Saginaw Township South CDP -----	5 862	91.3	.7	5.5	2.1	.5	4.8	36.1	59.0	.9
Vienna township -----	4 514	81.0	3.7	4.2	8.4	2.6	5.6	24.9	69.5	3.8
District 6 -----	216 357	63.4	7.7	10.1	13.0	5.8	8.3	33.5	58.3	5.7
<b>COUNTY</b>										
Allegan County (pt.) -----	6 410	39.4	19.3	4.0	28.4	8.9	6.3	32.8	61.0	8.6
Berrien County -----	61 025	62.5	3.7	16.5	13.3	4.0	10.0	34.6	55.4	5.4
Cass County -----	18 239	45.5	14.2	12.3	16.6	11.4	5.6	30.8	63.6	7.4
Kalamazoo County -----	83 702	77.6	3.5	6.4	9.1	3.3	8.0	33.8	58.2	3.5
St. Joseph County -----	21 579	56.3	13.8	8.1	12.1	9.7	7.6	31.9	60.5	9.8
Van Buren County -----	25 402	43.7	17.9	9.0	19.0	10.4	8.1	33.0	58.9	8.3
<b>PLACE AND COUNTY SUBDIVISION</b>										
Benton Charter township -----	6 558	67.1	1.5	17.6	11.4	2.5	16.0	40.5	43.5	9.5
Benton Harbor city -----	4 334	82.2	.4	10.2	6.2	.9	45.3	37.3	17.4	23.9
Comstock township -----	4 141	77.5	2.2	2.3	14.2	3.7	3.7	26.2	70.1	1.2
Kalamazoo city -----	29 409	83.9	.9	9.1	4.1	1.9	15.2	41.9	42.9	6.9
Kalamazoo township -----	8 779	85.0	.9	6.0	7.3	.8	6.6	37.5	55.8	2.4
Lincolnton township -----	5 227	76.2	.7	17.0	5.5	.6	2.4	32.4	65.2	.3
Niles city -----	5 177	86.4	.3	11.0	1.6	.7	12.7	44.7	42.7	5.8
Niles township -----	4 745	71.2	2.1	13.4	9.5	3.7	4.4	29.6	66.0	3.6
Oshemo township -----	5 835	70.0	7.3	8.5	10.1	4.1	6.0	38.4	55.6	1.9
Portage city -----	15 467	88.5	.6	3.8	5.7	1.4	3.4	29.3	67.3	1.0
Sturgis city -----	3 962	84.3	1.8	7.8	3.8	2.3	12.0	38.7	49.3	13.5
District 7 -----	210 213	65.8	10.3	5.1	12.9	5.9	7.4	32.4	60.2	5.0
<b>COUNTY</b>										
Barry County (pt.) -----	2 765	11.1	26.6	3.0	36.9	22.3	2.8	22.7	74.5	2.0
Branch County -----	14 921	49.3	16.6	5.1	19.5	9.5	8.1	34.4	57.5	9.0
Calhoun County -----	51 812	74.5	5.5	4.1	11.1	4.8	10.3	35.2	54.5	5.4
Eaton County -----	34 027	66.3	7.7	7.2	13.2	5.6	4.6	30.2	65.2	2.5
Hillsdale County -----	15 637	40.7	24.4	5.4	18.3	11.2	6.5	31.4	62.1	7.5
Jackson County -----	53 660	73.9	7.8	5.1	8.3	4.9	8.2	33.5	58.3	4.6
Lenawee County -----	31 635	63.6	12.8	4.7	14.3	4.5	6.0	30.4	63.6	5.3
Washtenaw County (pt.) -----	5 756	57.5	14.3	3.7	20.3	4.2	2.0	22.6	75.4	1.6

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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 7 —Con.										
<b>PLACE AND COUNTY SUBDIVISION</b>										
Adrian city -----	7 479	88.9	1.0	4.5	3.1	2.6	12.8	41.2	46.0	10.8
Albion city -----	3 399	93.9	1.6	2.8	.4	1.3	22.4	39.2	38.3	11.9
Battle Creek city -----	21 457	90.5	1.0	3.5	3.7	1.3	15.4	39.3	45.4	6.9
Blackman township -----	5 890	83.7	1.7	7.6	4.7	2.3	7.5	41.4	51.1	1.9
Delta township -----	10 250	84.1	1.1	9.4	3.9	1.4	2.7	31.8	65.5	.6
Emmett township -----	4 103	77.9	1.7	1.7	14.0	4.8	5.0	31.7	63.3	3.6
Jackson city -----	14 723	91.0	.8	5.8	1.0	1.4	19.0	42.0	39.0	9.5
Lansing city (pt.) -----	1 809	84.0	2.2	9.5	—	4.4	4.8	47.9	47.3	3.5
Leoni township -----	5 039	83.2	5.8	2.4	6.2	2.4	2.7	31.8	65.6	3.6
Summit township -----	8 028	90.9	1.1	3.5	3.0	1.5	4.6	30.9	64.5	1.7
Waverly CDP -----	6 248	83.4	.7	12.6	1.3	2.0	3.7	36.8	59.5	.5
District 8 -----	208 156	72.1	6.6	8.5	9.0	3.8	6.0	31.5	62.4	2.7
<b>COUNTY</b>										
Genesee County (pt.) -----	38 312	81.4	4.1	6.8	5.6	2.1	3.9	31.5	64.6	1.8
Ingham County -----	102 648	76.5	3.2	10.5	5.7	4.1	8.8	37.5	53.7	3.6
Livingston County -----	38 887	63.4	13.0	6.6	13.0	4.0	2.7	21.5	75.9	1.7
Oakland County (pt.) -----	4 740	57.8	15.8	6.1	16.4	4.0	4.8	26.2	69.0	2.5
Shiawassee County (pt.) -----	5 825	50.9	13.9	4.0	24.5	6.7	5.4	27.2	67.4	5.8
Washtenaw County (pt.) -----	17 744	56.6	12.8	6.4	20.1	4.2	2.3	21.9	75.8	1.0
<b>PLACE AND COUNTY SUBDIVISION</b>										
Brighton township -----	4 659	79.8	6.4	3.9	7.7	2.1	2.1	15.9	82.1	1.7
Delhi Charter township -----	6 998	77.9	3.6	9.0	6.7	2.7	2.8	32.6	64.6	1.3
East Lansing city -----	13 500	67.2	.8	19.5	2.7	9.7	6.6	44.2	49.2	.8
Fenton township -----	3 570	84.8	5.8	2.4	5.5	1.5	1.6	18.8	79.6	.7
Flint township -----	13 907	83.1	.9	11.5	2.8	1.6	6.6	40.2	53.1	2.7
Genoa township -----	3 709	74.5	10.6	2.7	9.8	2.3	1.2	23.6	75.2	1.4
Grand Blanc township (pt.) -----	4 756	89.9	2.7	4.6	2.1	.8	1.3	27.4	71.3	.5
Green Oak township -----	3 892	73.7	10.1	4.2	9.1	2.9	1.5	22.7	75.7	.7
Hamburg township -----	4 435	74.7	8.5	4.6	9.2	3.0	1.4	17.6	81.0	1.1
Haslett CDP -----	4 572	72.6	.7	21.1	3.5	2.1	5.2	42.1	52.7	1.0
Holt CDP -----	4 342	83.0	.6	11.6	1.7	3.1	3.7	35.5	60.8	1.6
Lansing city (pt.) -----	48 826	87.2	.8	8.0	1.8	2.1	13.7	40.7	45.6	5.8
Meridian township -----	14 022	79.2	.7	15.0	3.4	1.7	3.4	35.3	61.2	1.1
Mundy township -----	4 187	83.8	3.8	4.7	6.3	1.4	2.1	27.0	70.9	.4
Okemos CDP -----	7 472	81.6	.9	12.3	3.6	1.7	2.2	30.4	67.4	1.4
Pittsfield township (pt.) -----	1 390	78.2	7.3	3.0	9.7	1.8	.4	16.9	82.7	3.0
Scio township (pt.) -----	3 912	80.9	5.1	3.3	8.8	1.9	1.9	21.5	76.6	.3
District 9 -----	213 583	84.2	3.1	6.6	4.2	1.9	10.6	32.7	56.7	4.7
<b>COUNTY</b>										
Genesee County (pt.) -----	82 546	86.0	1.6	8.5	2.5	1.4	17.0	38.2	44.8	7.6
Lapeer County (pt.) -----	13 966	54.9	17.2	7.7	14.6	5.6	5.2	27.0	67.8	4.0
Oakland County (pt.) -----	117 071	86.4	2.5	5.1	4.2	1.8	6.7	29.4	63.8	2.8
<b>PLACE AND COUNTY SUBDIVISION</b>										
Auburn Hills city -----	6 453	88.9	.9	6.4	2.7	1.1	4.0	33.7	62.3	2.2
Brandon township -----	3 987	51.6	17.4	6.6	20.6	3.8	1.8	21.5	76.7	2.2
Burton city -----	10 447	89.2	1.5	3.5	4.2	1.7	9.0	32.7	58.2	4.1
Davidson township -----	5 846	79.9	4.4	8.6	5.3	1.7	2.3	36.8	60.9	1.4
Flint city (pt.) -----	53 894	86.4	.6	10.1	1.8	1.1	23.0	40.6	36.4	10.3
Grand Blanc township (pt.) -----	4 922	91.8	.8	5.2	1.4	.8	2.3	32.1	65.6	1.4
Independence township -----	8 408	89.3	1.5	3.4	3.8	2.1	2.3	18.3	79.5	.4
Orion township -----	8 571	91.3	.9	2.8	3.4	1.5	2.6	23.5	73.8	1.2
Oxford township -----	4 233	78.5	8.6	4.1	6.2	2.6	5.7	24.1	70.2	2.5
Pontiac city -----	24 777	88.6	1.0	6.1	1.7	2.6	19.2	41.0	39.8	9.0
Rochester Hills city -----	22 353	94.5	.4	3.3	1.2	.6	3.5	25.2	71.3	.3
Waterford CDP (pt.) -----	25 476	90.0	.4	5.9	2.6	1.1	4.0	30.4	65.7	1.1
Waterford township (pt.) -----	25 476	90.0	.4	5.9	2.6	1.1	4.0	30.4	65.7	1.1
District 10 -----	214 518	85.0	3.2	5.4	4.3	2.0	6.0	31.5	62.5	2.0
<b>COUNTY</b>										
Macomb County (pt.) -----	161 636	89.7	1.6	5.1	2.5	1.1	5.4	31.3	63.3	1.2
St. Clair County -----	52 882	70.6	8.3	6.5	9.7	4.9	7.7	32.2	60.1	4.3
<b>PLACE AND COUNTY SUBDIVISION</b>										
Chesterfield township -----	8 916	83.0	2.0	11.1	2.5	1.4	2.7	25.6	71.6	2.0
Clinton CDP -----	32 459	92.4	.5	5.3	1.2	.6	4.7	33.0	62.3	1.3
Clinton township -----	32 459	92.4	.5	5.3	1.2	.6	4.7	33.0	62.3	1.3
East Detroit city (pt.) -----	11 319	96.2	.2	1.2	1.7	.6	7.1	33.7	59.1	.4
Fraser city -----	5 180	96.1	.4	2.9	.6	.1	5.4	34.9	59.7	.3
Harrison township -----	9 947	88.7	1.5	8.2	1.0	.6	4.5	35.2	60.2	1.2
Harrison CDP -----	9 947	88.7	1.5	8.2	1.0	.6	4.5	35.2	60.2	1.2
Macomb township -----	7 355	92.5	1.3	1.8	3.1	1.2	2.4	21.0	76.6	.1
Mount Clemens city -----	7 287	88.0	.7	7.9	1.1	2.3	15.0	42.5	42.5	5.2
Port Huron city -----	13 158	91.8	.6	4.5	1.9	1.1	16.5	42.3	41.2	8.6
Roseville city -----	19 537	91.7	.2	5.9	1.0	1.2	7.3	34.5	58.2	1.1

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—								No telephone in unit
		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 10 —Con.										
<b>PLACE AND COUNTY SUBDIVISION—</b>										
Con.										
St. Clair Shores city .....	27 218	94.2	.4	3.4	1.4	.5	6.0	34.9	59.1	.3
Shelby CDP .....	16 836	92.2	.7	3.1	3.0	.9	2.4	21.4	76.2	.6
Shelby township .....	16 836	92.2	.7	3.1	3.0	.9	2.4	21.4	76.2	.6
Washington township .....	4 467	81.7	4.3	6.1	5.7	2.2	2.8	24.0	73.2	1.5
District 11 .....	220 622	91.6	1.2	4.1	2.6	.6	3.8	27.3	68.9	.7
<b>COUNTY</b>										
Oakland County (pt.) .....	171 552	90.4	1.4	4.8	2.8	.6	3.5	27.5	69.0	.7
Wayne County (pt.) .....	49 070	95.6	.2	1.8	1.8	.5	4.9	26.5	68.6	.6
<b>PLACE AND COUNTY SUBDIVISION</b>										
Beverly Hills village .....	4 075	94.1	.1	1.5	4.0	.1	2.6	21.6	75.8	—
Birmingham city .....	9 120	90.0	.7	5.8	3.4	.2	4.3	35.8	60.0	.3
Bloomfield township .....	15 717	94.5	.3	2.9	2.2	.1	.9	19.9	79.2	.2
Bloomfield Township CDP .....	15 618	94.5	.3	2.9	2.1	.1	.9	19.9	79.3	.2
Commerce township .....	9 358	93.2	.8	2.7	2.4	.9	1.7	20.0	78.3	1.3
Farmington city .....	4 673	92.1	.1	5.3	1.7	.7	7.9	36.9	55.1	.9
Farmington Hills city .....	29 234	93.0	.6	4.9	1.1	.4	3.5	28.0	68.5	.5
Highland township .....	5 933	79.9	6.1	4.5	8.4	1.1	2.7	23.8	73.5	1.6
Livonia city (pt.) .....	28 947	95.1	.3	2.2	1.8	.5	4.4	23.7	72.0	.5
Milford township .....	4 181	75.1	9.1	2.8	9.9	3.2	5.4	21.4	73.3	1.8
Novi city .....	12 699	93.0	1.1	3.0	2.6	.3	2.2	29.3	68.5	.6
Redford CDP .....	20 123	96.2	.1	1.3	1.9	.5	5.6	30.7	63.7	.7
Redford township .....	20 123	96.2	.1	1.3	1.9	.5	5.6	30.7	63.7	.7
Southfield city (pt.) .....	28 433	86.5	1.7	9.3	2.1	.4	7.1	35.7	57.2	.7
Southfield township .....	5 465	92.4	.3	1.7	5.5	.1	2.1	19.2	78.7	—
West Bloomfield township (pt.) .....	19 238	94.7	.5	3.2	1.3	.3	2.0	18.1	79.9	.3
West Bloomfield Township CDP (pt.) .....	19 337	94.7	.5	3.2	1.3	.3	2.0	18.1	79.9	.3
White Lake township .....	7 776	86.2	3.6	2.9	4.9	2.4	1.9	23.6	74.5	1.6
District 12 .....	220 480	93.2	.5	4.2	1.3	.8	6.5	32.6	60.9	1.4
<b>COUNTY</b>										
Macomb County (pt.) .....	103 355	94.9	.5	3.2	.6	.8	5.9	31.3	62.8	1.5
Oakland County (pt.) .....	117 125	91.6	.5	5.1	1.9	.8	7.0	33.8	59.2	1.2
<b>PLACE AND COUNTY SUBDIVISION</b>										
Berkley city .....	6 611	95.1	.2	2.2	2.2	.2	6.1	32.7	61.2	.2
Clawson city .....	5 544	91.0	.6	5.8	2.0	.6	6.3	33.1	60.6	1.2
East Detroit city (pt.) .....	2 124	92.8	1.1	4.7	.6	.8	12.2	35.3	52.5	2.4
Ferndale city .....	9 858	93.1	.2	2.9	2.8	1.0	11.3	34.9	53.8	3.5
Hazel Park city .....	7 284	92.9	.5	4.3	1.7	.6	10.7	38.0	51.3	4.5
Madison Heights city .....	12 850	92.2	.6	4.6	1.6	1.0	8.1	37.4	54.4	1.5
Oak Park city .....	10 885	91.8	.7	3.8	3.5	.2	8.2	35.5	56.3	.5
Royal Oak city .....	28 344	91.2	.5	5.2	1.7	1.3	5.8	38.0	56.2	1.0
Southfield city (pt.) .....	3 679	76.8	.1	21.4	.9	.8	6.9	47.9	45.2	4.4
Sterling Heights city .....	40 835	94.5	.4	4.0	.4	.7	4.4	26.5	69.1	.5
Troy city .....	26 167	93.0	.5	4.9	.9	.7	3.2	23.9	72.9	.3
Warren city .....	54 602	95.6	.5	2.2	.8	.9	6.1	33.7	60.2	2.2
District 13 .....	215 464	88.6	1.4	6.7	1.9	1.3	7.1	34.0	58.9	2.1
<b>COUNTY</b>										
Washtenaw County (pt.) .....	81 028	84.5	1.9	9.2	2.8	1.5	8.6	39.0	52.4	2.1
Wayne County (pt.) .....	134 436	91.1	1.2	5.2	1.4	1.2	6.2	31.0	62.8	2.1
<b>PLACE AND COUNTY SUBDIVISION</b>										
Ann Arbor city .....	41 657	85.7	1.1	9.8	1.9	1.4	9.1	42.9	48.0	1.1
Canton CDP .....	19 544	94.1	.7	3.5	1.2	.5	3.0	26.4	70.5	1.2
Canton township .....	19 544	94.1	.7	3.5	1.2	.5	3.0	26.4	70.5	1.2
Dearborn Heights city (pt.) .....	320	100.0	—	—	—	—	6.9	35.6	57.5	6.9
Garden City city .....	11 213	96.8	.3	1.6	.9	.5	4.5	25.4	70.1	.9
Huron township .....	3 512	87.2	5.2	1.9	3.3	2.3	2.6	22.7	74.7	1.3
Inkster city .....	11 201	91.6	.8	5.6	.8	1.2	17.7	38.6	43.6	5.9
Livonia city (pt.) .....	6 969	96.9	.5	1.5	.6	.5	1.9	22.0	76.1	.3
Northville township .....	6 133	94.5	.7	3.5	1.4	—	2.0	28.6	69.4	.1
Pittsfield township (pt.) .....	5 630	85.9	.9	12.1	1.0	.1	6.8	39.1	54.1	2.2
Plymouth township .....	8 823	93.5	.5	4.0	1.0	1.0	3.1	24.1	72.7	.2
Plymouth Township CDP .....	8 813	93.5	.5	4.0	1.0	1.0	3.1	24.1	72.8	.2
Romulus city .....	7 829	90.7	1.4	3.7	2.4	1.8	7.8	34.9	57.3	4.4
Scio township (pt.) .....	201	92.5	—	5.5	2.0	—	23.9	29.4	46.8	—
Sumpter township .....	3 689	74.5	12.4	3.4	6.2	3.6	3.1	25.7	71.2	5.1
Van Buren township .....	7 886	80.4	1.0	14.4	2.4	1.8	2.6	33.2	64.2	2.1
Wayne city .....	7 138	91.7	.6	4.8	1.1	1.8	9.6	34.1	56.3	3.0
Westland city .....	33 110	89.6	.7	7.1	.9	1.6	7.1	34.7	58.2	2.1
Ypsilanti city .....	8 551	82.3	1.6	13.0	.9	2.2	16.2	38.8	45.0	4.9
Ypsilanti township .....	17 637	88.5	1.0	7.5	1.6	1.5	5.8	37.1	57.1	3.3
District 14 .....	206 550	93.7	.9	3.6	1.0	.8	22.0	40.4	37.5	4.5
<b>COUNTY</b>										
Wayne County (pt.) .....	206 550	93.7	.9	3.6	1.0	.8	22.0	40.4	37.5	4.5

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—								No telephone in unit
		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 14 —Con. <b>PLACE AND COUNTY SUBDIVISION</b>										
Dearborn Heights city (pt.) -----	3 366	96.0	.8	2.8	.3	.1	6.1	39.4	54.5	.4
Detroit city (pt.) -----	181 012	93.6	.9	3.7	1.1	.8	22.3	41.5	36.1	4.6
Grosse Pointe Woods city -----	6 560	98.7	.5	.4	.5	—	3.2	25.7	71.1	.3
Harper Woods city -----	6 572	95.8	.3	2.8	.5	.6	8.1	39.5	52.4	.2
Highland Park city -----	8 033	89.1	1.4	6.6	.7	2.2	50.3	32.7	17.0	11.6
District 15 -----	220 868	90.3	1.4	5.6	1.1	1.6	39.3	36.8	23.9	11.0
<b>COUNTY</b>										
Wayne County (pt.) -----	220 868	90.3	1.4	5.6	1.1	1.6	39.3	36.8	23.9	11.0
<b>PLACE AND COUNTY SUBDIVISION</b>										
Detroit city (pt.) -----	193 045	89.5	1.5	6.2	1.1	1.7	42.2	36.8	21.0	11.7
Ecorse city -----	4 570	95.4	1.0	2.7	.7	.1	23.2	38.7	38.1	11.2
Grosse Pointe Farms city -----	3 837	98.3	.3	.9	.5	—	2.5	27.6	69.9	—
Grosse Pointe Park city -----	4 853	96.4	.5	.4	2.4	.3	4.1	30.1	65.8	.8
Hamtramck city -----	7 908	96.0	1.1	1.6	.7	.6	33.2	42.2	24.5	10.2
River Rouge city -----	4 268	95.4	.5	2.0	1.2	.9	28.1	40.4	31.5	11.1
District 16 -----	216 119	90.1	2.6	3.5	2.4	1.3	7.3	33.2	59.6	2.0
<b>COUNTY</b>										
Monroe County -----	46 508	70.7	10.8	5.9	9.4	3.2	5.7	27.8	66.6	3.2
Wayne County (pt.) -----	169 611	95.5	.4	2.8	.5	.8	7.7	34.7	57.6	1.6
<b>PLACE AND COUNTY SUBDIVISION</b>										
Allen Park city -----	12 030	96.8	.2	2.2	.6	.2	6.6	33.4	60.0	.8
Bedford township -----	8 058	86.3	2.8	2.9	6.2	1.8	2.3	23.9	73.8	1.4
Brownstown township -----	6 424	96.4	1.0	1.2	.9	.5	4.5	31.2	64.4	2.5
Dearborn city -----	35 442	96.5	.7	1.6	.4	.8	10.4	37.5	52.1	1.2
Dearborn Heights city (pt.) -----	19 746	96.8	.2	2.0	.6	.5	5.2	32.4	62.5	1.1
Frenchtown township -----	6 539	78.7	4.4	6.8	7.4	2.6	5.2	33.6	61.2	2.6
Lincoln Park city -----	16 257	97.1	.1	1.8	.4	.5	9.3	37.2	53.5	1.9
Melvindale city -----	4 670	93.1	.6	5.2	.4	.6	11.5	43.7	44.8	4.1
Monroe city -----	8 430	88.2	.7	8.2	1.6	1.3	12.3	36.8	50.9	4.1
Monroe township -----	4 439	89.0	1.7	4.1	4.3	.8	8.9	33.5	57.7	4.9
Riverview city -----	5 066	92.8	.5	3.3	—	3.4	6.6	33.0	60.4	1.1
Southgate city -----	12 128	92.5	.3	6.7	.1	.4	6.8	33.0	60.2	.8
Taylor city -----	24 861	94.4	.4	3.4	.6	1.3	6.9	33.8	59.3	2.6
Trenton city -----	7 855	95.2	.2	3.2	.4	.9	4.7	34.5	60.8	.8
Woodhaven city -----	3 963	89.7	.7	7.4	.3	1.9	2.1	28.7	69.2	1.3
Wyandotte city -----	12 319	96.2	.4	2.0	.4	1.0	11.9	39.2	48.9	2.4