

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	
<b>The State</b> -----	<b>1 064 325</b>	<b>65.6</b>	<b>14.8</b>	<b>10.5</b>	<b>5.5</b>	<b>3.7</b>	<b>7.1</b>	<b>31.2</b>	<b>61.7</b>	<b>3.4</b>
District 1 -----	211 466	76.0	8.9	8.8	3.5	2.9	7.4	31.6	61.0	3.1
<b>COUNTY</b>										
Cedar County -----	6 684	45.3	23.3	9.2	16.1	6.2	5.8	25.0	69.2	2.8
Clinton County -----	19 757	64.0	12.1	8.5	11.5	3.8	8.2	33.1	58.7	4.4
Johnson County -----	36 067	73.5	8.3	13.3	1.8	3.1	7.6	36.6	55.8	2.3
Jones County -----	6 917	42.3	32.5	7.1	10.9	7.2	5.2	28.7	66.1	3.3
Linn County -----	65 501	80.3	6.4	7.6	2.6	3.1	7.2	29.9	62.9	2.1
Louisa County -----	4 296	48.1	31.4	11.2	3.6	5.7	5.4	24.4	70.2	7.4
Muscatine County -----	14 806	74.8	11.9	9.6	1.3	2.5	7.7	29.5	62.8	5.3
Scott County -----	57 438	86.8	3.9	7.2	.9	1.2	7.9	32.0	60.1	3.3
<b>PLACE AND COUNTY SUBDIVISION</b>										
Bettendorf city -----	10 656	91.8	.7	6.8	.3	.3	3.6	29.8	66.6	.9
Cedar Rapids city -----	43 674	90.2	.8	6.8	.2	2.0	9.0	32.7	58.2	2.3
Clinton city -----	11 667	83.9	2.0	6.2	6.1	1.8	10.9	38.0	51.1	5.5
Coralville city -----	4 605	81.8	.3	14.8	—	3.1	6.5	41.1	52.4	1.9
Davenport city -----	37 205	90.6	.8	7.4	—	1.0	10.4	35.3	54.3	4.3
Iowa City city -----	21 951	81.4	1.2	15.2	.4	1.8	9.4	42.1	48.5	2.1
Marion city -----	7 772	89.4	.3	7.9	—	2.2	4.8	29.6	65.7	1.6
Muscatine city -----	8 756	88.0	.7	10.0	—	1.2	10.8	31.2	57.9	5.9
District 2 -----	209 760	59.3	16.4	9.1	10.0	5.2	7.1	30.6	62.3	3.2
<b>COUNTY</b>										
Allamakee County -----	5 268	32.4	24.5	8.6	17.9	16.6	8.3	30.1	61.6	4.0
Benton County -----	8 518	32.3	23.3	12.5	24.9	7.0	5.9	26.0	68.1	3.5
Black Hawk County -----	46 932	76.7	5.7	12.3	3.3	2.0	7.9	32.6	59.5	2.9
Bremer County -----	8 394	59.7	17.6	6.7	10.7	5.3	5.3	28.8	65.9	1.7
Buchanan County -----	7 506	50.8	26.8	7.7	7.9	6.8	7.0	29.8	63.1	6.2
Butler County -----	6 036	53.5	24.8	8.3	8.4	5.0	5.0	26.7	68.3	3.6
Cerro Gordo County -----	19 061	79.5	10.4	8.0	1.1	1.0	7.0	34.7	58.2	3.6
Chickasaw County -----	5 040	47.1	26.4	6.3	14.8	5.3	5.6	27.2	67.3	3.4
Clayton County -----	7 218	34.8	25.5	8.1	15.8	15.8	6.8	30.0	63.2	3.5
Delaware County -----	6 389	45.3	32.0	6.0	10.8	5.9	4.8	25.5	69.7	3.5
Dubuque County -----	30 799	66.5	8.1	9.1	11.9	4.4	8.7	32.4	58.9	2.1
Fayette County -----	8 490	51.0	21.6	6.9	14.7	5.8	7.4	30.2	62.4	3.7
Floyd County -----	6 721	64.2	15.5	7.5	8.0	4.7	6.2	28.8	65.0	4.7
Grundy County -----	4 776	52.8	23.3	7.3	14.5	2.1	5.1	28.9	66.0	1.6
Howard County -----	3 856	35.6	39.6	5.8	14.2	4.8	6.8	30.4	62.8	3.6
Iowa County -----	5 713	49.9	18.9	8.9	17.2	5.2	6.0	26.9	67.1	1.7
Jackson County -----	7 527	46.0	16.6	7.7	18.0	11.7	8.0	28.9	63.1	4.4
Mitchell County -----	4 253	41.0	32.2	6.4	15.5	4.8	5.7	31.0	63.3	5.0
Tama County -----	6 768	46.6	24.5	7.5	14.3	7.1	6.0	29.0	64.9	4.0
Winneshiek County -----	7 256	40.2	27.5	11.2	10.8	10.4	6.1	29.6	64.3	2.1
Worth County -----	3 239	57.4	30.8	5.0	3.7	3.1	6.0	28.8	65.2	3.4
<b>PLACE AND COUNTY SUBDIVISION</b>										
Cedar Falls city -----	11 689	74.9	4.6	16.5	2.4	1.6	4.0	33.8	62.2	1.3
Dubuque city -----	21 437	79.0	1.3	9.0	8.7	1.9	11.3	36.3	52.3	2.4
Mason City city -----	12 027	89.5	1.1	8.3	—	1.0	8.9	36.0	55.0	4.4
Waterloo city -----	27 037	84.3	1.4	10.9	2.1	1.4	10.8	34.9	54.3	4.0
District 3 -----	212 356	59.9	19.2	11.8	4.0	5.1	6.9	30.9	62.2	4.2
<b>COUNTY</b>										
Adams County -----	2 005	43.8	32.5	6.9	10.2	6.5	5.4	25.2	69.4	3.2
Appanoose County -----	5 609	48.2	24.6	16.2	1.1	9.9	8.9	32.9	58.2	7.6
Clarke County -----	3 343	43.6	26.6	15.1	7.2	7.5	6.4	28.7	64.9	6.8
Davis County -----	3 093	27.9	34.8	13.6	2.4	21.3	8.3	29.4	62.3	6.9
Decatur County -----	3 207	42.9	29.1	12.7	4.6	10.8	10.7	32.4	56.9	4.9
Des Moines County -----	16 874	78.3	10.6	7.2	1.3	2.6	8.0	33.1	58.9	4.0
Henry County -----	7 089	54.9	24.0	12.5	2.7	5.9	6.4	30.1	63.5	3.6
Jasper County -----	13 632	57.9	21.3	10.9	6.5	3.4	5.4	26.5	68.0	2.7
Jefferson County -----	6 309	56.6	14.0	3.1	6.0	6.0	7.0	33.2	59.8	4.8
Keokuk County -----	4 573	33.1	34.0	13.6	12.7	6.5	5.6	26.8	67.6	5.1
Lee County -----	14 936	59.2	10.6	22.4	1.8	6.0	8.2	32.5	59.2	6.2
Lucas County -----	3 766	43.6	27.5	13.6	6.1	9.2	9.3	28.7	62.1	6.1
Mahaska County -----	8 306	59.2	21.4	11.5	3.9	4.1	7.8	31.3	60.9	5.4
Marion County -----	10 815	68.2	16.6	7.6	2.7	4.8	6.3	28.2	65.5	4.5
Marshall County -----	14 890	64.7	17.1	8.9	7.1	2.1	5.9	31.1	63.0	2.8
Monroe County -----	3 196	49.4	27.1	10.2	1.4	11.9	9.4	29.3	61.3	6.5
Page County -----	6 687	61.7	18.8	10.1	5.5	3.9	9.0	28.9	62.0	4.8
Poweshiek County -----	7 158	49.1	20.4	15.5	11.8	3.2	5.5	31.5	63.0	2.7
Ringgold County -----	2 218	27.1	38.0	13.8	13.9	7.3	4.5	28.2	67.4	3.4
Story County -----	25 941	75.2	10.6	10.3	2.1	1.7	5.5	35.5	59.0	2.0
Taylor County -----	2 859	35.3	31.8	14.6	10.0	8.3	5.7	31.9	62.4	4.8
Union County -----	5 173	65.6	16.1	10.7	2.0	5.7	10.1	29.7	60.3	5.3
Van Buren County -----	3 056	17.1	41.7	15.2	8.7	17.2	7.6	27.0	65.4	5.9
Wapello County -----	14 555	69.9	15.4	8.4	1.5	4.8	9.2	33.4	57.4	6.4
Warren County -----	12 659	59.5	22.1	12.1	1.7	4.6	3.7	25.6	70.7	1.7
Washington County -----	7 454	57.1	21.6	11.7	3.6	6.0	6.2	29.7	64.1	4.6
Wayne County -----	2 953	40.9	32.6	16.3	3.3	6.9	8.5	30.3	61.3	5.8
<b>PLACE AND COUNTY SUBDIVISION</b>										
Ames city -----	15 608	87.4	.7	10.5	.3	1.2	6.3	40.7	53.0	1.5
Burlington city -----	10 986	93.2	.5	4.6	.4	1.3	10.6	36.2	53.1	4.4
Fort Madison city -----	4 580	80.1	.8	15.3	1.0	2.8	11.3	36.6	52.1	6.9
Indianola city -----	4 146	83.6	1.4	13.3	.1	1.6	6.4	34.9	58.7	2.4
Keokuk city -----	5 064	72.9	2.0	21.3	1.0	2.7	11.4	39.8	48.8	8.5
Marshalltown city -----	9 974	88.2	.7	8.9	.8	1.4	7.5	35.6	57.0	3.2

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 3 —Con.										
<b>PLACE AND COUNTY SUBDIVISION—</b>										
Con.										
Newton city -----	6 226	86.3	1.1	10.2	.9	1.5	7.5	33.2	59.3	2.6
Oskaloosa city -----	4 337	84.6	1.8	11.8	.1	1.6	12.2	38.7	49.0	6.5
Ottumwa city -----	10 280	91.0	.8	6.3	.1	1.9	11.4	37.1	51.5	7.1
District 4 -----	216 874	72.6	10.2	12.2	2.2	2.7	7.2	31.7	61.1	3.2
<b>COUNTY</b>										
Adair County -----	3 419	49.9	28.5	10.9	6.9	3.9	6.2	26.1	67.7	2.8
Audubon County -----	2 936	56.8	20.4	7.1	12.1	3.6	6.2	27.5	66.3	3.0
Cass County -----	6 177	63.7	23.7	7.5	2.3	2.8	7.1	31.8	61.0	3.8
Dallas County -----	11 204	57.6	24.5	11.6	3.0	3.3	4.7	26.9	68.4	3.3
Fremont County -----	3 217	42.5	35.5	6.0	10.4	5.6	6.5	25.5	68.0	5.8
Guthrie County -----	4 407	43.2	34.4	9.3	6.6	6.6	5.6	28.0	66.4	4.4
Harrison County -----	5 656	40.7	28.6	10.6	11.8	8.3	7.8	26.8	65.4	5.6
Madison County -----	4 715	46.1	30.8	10.3	4.0	8.8	5.9	25.5	68.5	3.9
Mills County -----	4 665	53.5	23.8	11.3	5.8	5.6	5.8	26.1	68.1	3.7
Montgomery County -----	4 955	63.6	21.5	10.0	2.5	2.5	6.3	33.0	60.8	4.2
Polk County -----	129 237	79.6	3.5	14.3	.6	1.9	7.6	33.6	58.8	2.8
Pottawattamie County -----	31 262	79.5	9.7	6.8	1.6	2.3	7.9	30.6	61.5	3.7
Shelby County -----	5 024	50.7	17.3	16.2	11.8	4.1	4.8	28.3	66.9	2.3
<b>PLACE AND COUNTY SUBDIVISION</b>										
Ankeny city -----	6 754	71.4	.7	26.0	.2	1.6	1.6	26.6	71.9	.9
Council Bluffs city -----	21 131	92.6	1.1	5.2	.2	1.0	10.2	35.4	54.4	4.6
Des Moines city -----	78 453	84.6	1.3	11.6	.4	2.1	10.8	37.7	51.5	4.1
Urbandale city -----	9 013	80.1	.6	17.6	.2	1.5	1.2	28.1	70.7	.2
West Des Moines city -----	12 972	75.2	1.2	22.4	.2	1.0	4.1	32.4	63.5	6.0
District 5 -----	213 869	60.2	19.3	10.3	7.8	2.4	6.7	31.2	62.1	3.4
<b>COUNTY</b>										
Boone County -----	9 827	68.0	18.0	8.0	2.5	3.5	6.1	29.3	64.6	3.8
Buena Vista County -----	7 515	66.7	15.6	9.8	5.9	2.0	6.4	31.4	62.2	3.2
Calhoun County -----	4 684	56.1	25.2	9.5	6.6	2.6	5.6	34.3	60.2	2.5
Carroll County -----	7 964	57.2	18.2	11.4	11.3	1.9	7.3	28.8	63.9	1.8
Cherokee County -----	5 514	59.3	20.7	9.9	6.7	3.4	6.6	30.0	63.4	2.3
Clay County -----	7 074	58.3	16.2	18.6	4.1	2.8	7.3	33.3	59.4	3.8
Crawford County -----	6 397	34.0	27.3	19.8	15.8	3.2	7.0	29.2	63.8	2.4
Dickinson County -----	6 160	54.7	23.0	18.0	2.4	1.9	3.3	32.8	63.9	3.6
Emmet County -----	4 461	61.9	20.2	7.3	8.8	1.7	4.9	31.7	63.4	4.9
Franklin County -----	4 579	45.7	23.5	8.3	20.3	2.1	6.0	30.6	63.3	3.7
Greene County -----	4 195	56.4	25.8	7.6	5.7	4.5	7.4	29.2	63.5	2.4
Hamilton County -----	6 358	61.3	28.6	5.3	3.5	1.3	6.2	29.3	64.5	4.5
Hancock County -----	4 867	56.9	24.3	8.2	7.5	3.1	4.7	27.7	67.6	4.6
Hardin County -----	7 611	60.7	19.2	9.5	8.1	2.5	6.7	32.7	60.6	2.9
Humboldt County -----	4 339	50.2	28.9	11.4	7.5	2.0	3.8	32.0	64.2	1.9
Ida County -----	3 222	52.5	17.7	14.2	12.6	3.1	5.4	28.5	66.2	2.2
Kossuth County -----	7 194	43.5	28.0	7.3	18.9	2.4	4.8	30.8	64.4	3.0
Lyon County -----	4 289	42.8	27.4	7.2	20.0	2.5	5.4	26.3	68.4	2.6
Monona County -----	4 098	42.4	21.4	9.2	19.0	8.0	7.5	30.5	62.1	4.4
O'Brien County -----	5 980	65.4	16.1	13.5	4.0	1.1	5.4	30.8	63.8	2.6
Osceola County -----	2 817	39.7	28.7	11.5	17.4	2.7	5.1	30.2	64.7	2.8
Palo Alto County -----	4 183	55.1	23.0	10.7	8.5	2.8	6.2	32.0	61.8	3.5
Plymouth County -----	8 417	52.6	26.2	12.4	7.0	1.7	5.1	27.5	67.3	1.6
Pocahontas County -----	3 820	44.0	27.5	9.4	17.1	2.0	5.5	30.8	63.7	3.0
Sac County -----	4 914	35.4	31.2	11.8	20.0	1.5	6.5	29.5	64.0	2.8
Sioux County -----	9 925	55.1	17.6	16.3	8.9	2.1	4.8	27.7	67.5	1.8
Webster County -----	15 963	79.7	13.2	4.3	.8	2.1	8.7	32.6	58.7	3.7
Winneshago County -----	4 704	46.5	28.2	8.5	14.2	2.6	6.1	32.0	61.8	2.1
Woodbury County -----	36 899	77.8	7.8	9.2	2.8	2.3	9.6	34.8	56.6	5.3
Wright County -----	5 899	61.3	20.4	10.0	6.8	1.4	6.4	30.8	62.8	4.1
<b>PLACE AND COUNTY SUBDIVISION</b>										
Boone city -----	5 086	88.4	1.1	8.8	.3	1.5	6.9	37.0	56.1	4.6
Fort Dodge city -----	10 502	92.9	.9	4.4	.1	1.7	11.5	36.5	52.0	4.1
Sioux City city -----	30 488	87.4	1.6	8.9	.4	1.8	10.7	36.8	52.5	5.8
Spencer city -----	4 597	73.8	1.6	23.0	-	1.6	9.4	38.8	51.8	5.0