

House Heating Fuel for Iowa and its Counties: 1990

Area	Total units	House Heating Fuel in Occupied Housing Units																	
		Utility gas		Bottled tank or LP gas		Electricity		Fuel oil, kerosene, etc.		Coal or coke		Wood fuel		Solar energy		Other fuel		No fuel used	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
State of Iowa	1,064,325	698,557	65.6%	157,289	14.8%	111,249	10.5%	58,278	5.5%	372	0.0%	30,350	2.9%	234	0.0%	5,437	0.5%	2,559	0.2%
Adair	3,419	1,705	49.9%	973	28.5%	373	10.9%	236	6.9%	0	0.0%	114	3.3%	0	0.0%	10	0.3%	8	0.2%
Adams	2,005	879	43.8%	651	32.5%	139	6.9%	205	10.2%	0	0.0%	108	5.4%	0	0.0%	21	1.0%	2	0.1%
Allamakee	5,268	1,705	32.4%	1,291	24.5%	454	8.6%	942	17.9%	2	0.0%	866	16.4%	2	0.0%	6	0.1%	0	0.0%
Appanoose	5,609	2,703	48.2%	1,380	24.6%	911	16.2%	62	1.1%	13	0.2%	492	8.8%	2	0.0%	18	0.3%	28	0.5%
Audubon	2,936	1,669	56.8%	599	20.4%	207	7.1%	355	12.1%	0	0.0%	95	3.2%	3	0.1%	8	0.3%	0	0.0%
Benton	8,518	2,750	32.3%	1,986	23.3%	1,065	12.5%	2,119	24.9%	0	0.0%	588	6.9%	0	0.0%	5	0.1%	5	0.1%
Black Hawk	46,932	35,989	76.7%	2,674	5.7%	5,767	12.3%	1,566	3.3%	18	0.0%	601	1.3%	9	0.0%	215	0.5%	93	0.2%
Boone	9,827	6,680	68.0%	1,768	18.0%	785	8.0%	247	2.5%	13	0.1%	264	2.7%	13	0.1%	35	0.4%	22	0.2%
Bremer	8,394	5,013	59.7%	1,474	17.6%	560	6.7%	899	10.7%	0	0.0%	437	5.2%	0	0.0%	8	0.1%	3	0.0%
Buchanan	7,506	3,813	50.8%	2,009	26.8%	577	7.7%	595	7.9%	0	0.0%	503	6.7%	0	0.0%	9	0.1%	0	0.0%
Buena Vista	7,515	5,012	66.7%	1,176	15.6%	738	9.8%	440	5.9%	0	0.0%	117	1.6%	0	0.0%	16	0.2%	16	0.2%
Butler	6,036	3,231	53.5%	1,494	24.8%	499	8.3%	508	8.4%	0	0.0%	270	4.5%	14	0.2%	20	0.3%	0	0.0%
Calhoun	4,684	2,626	56.1%	1,180	25.2%	447	9.5%	309	6.6%	0	0.0%	116	2.5%	2	0.0%	4	0.1%	0	0.0%
Carroll	7,964	4,556	57.2%	1,450	18.2%	909	11.4%	900	11.3%	0	0.0%	102	1.3%	0	0.0%	19	0.2%	28	0.4%
Cass	6,177	3,936	63.7%	1,461	23.7%	465	7.5%	145	2.3%	0	0.0%	153	2.5%	0	0.0%	11	0.2%	6	0.1%
Cedar	6,684	3,025	45.3%	1,555	23.3%	616	9.2%	1,074	16.1%	8	0.1%	386	5.8%	1	0.0%	16	0.2%	3	0.0%
Cerro Gordo	19,061	15,156	79.5%	1,979	10.4%	1,519	8.0%	208	1.1%	0	0.0%	88	0.5%	0	0.0%	84	0.4%	27	0.1%
Cherokee	5,514	3,272	59.3%	1,141	20.7%	544	9.9%	371	6.7%	0	0.0%	160	2.9%	0	0.0%	16	0.3%	10	0.2%
Chickasaw	5,040	2,376	47.1%	1,330	26.4%	319	6.3%	747	14.8%	0	0.0%	240	4.8%	2	0.0%	24	0.5%	2	0.0%
Clarke	3,343	1,459	43.6%	888	26.6%	504	15.1%	241	7.2%	9	0.3%	226	6.8%	0	0.0%	16	0.5%	0	0.0%
Clay	7,074	4,123	58.3%	1,149	16.2%	1,314	18.6%	293	4.1%	0	0.0%	137	1.9%	0	0.0%	41	0.6%	17	0.2%
Clayton	7,218	2,511	34.8%	1,843	25.5%	584	8.1%	1,138	15.8%	6	0.1%	1,122	15.5%	2	0.0%	10	0.1%	2	0.0%
Clinton	19,757	12,653	64.0%	2,393	12.1%	1,689	8.5%	2,276	11.5%	6	0.0%	562	2.8%	0	0.0%	106	0.5%	72	0.4%
Crawford	6,397	2,172	34.0%	1,746	27.3%	1,264	19.8%	1,008	15.8%	6	0.1%	182	2.8%	1	0.0%	18	0.3%	0	0.0%
Dallas	11,204	6,456	57.6%	2,745	24.5%	1,300	11.6%	332	3.0%	6	0.1%	325	2.9%	0	0.0%	24	0.2%	16	0.1%
Davis	3,093	864	27.9%	1,077	34.8%	420	13.6%	74	2.4%	5	0.2%	629	20.3%	0	0.0%	0	0.0%	24	0.8%
Decatur	3,207	1,376	42.9%	932	29.1%	406	12.7%	148	4.6%	2	0.1%	316	9.9%	3	0.1%	15	0.5%	9	0.3%
Delaware	6,389	2,896	45.3%	2,047	32.0%	382	6.0%	688	10.8%	2	0.0%	326	5.1%	0	0.0%	28	0.4%	20	0.3%
Des Moines	16,874	13,205	78.3%	1,782	10.6%	1,221	7.2%	220	1.3%	0	0.0%	376	2.2%	0	0.0%	41	0.2%	29	0.2%
Dickinson	6,160	3,370	54.7%	1,418	23.0%	1,108	18.0%	145	2.4%	0	0.0%	115	1.9%	0	0.0%	0	0.0%	4	0.1%
Dubuque	30,799	20,481	66.5%	2,506	8.1%	2,804	9.1%	3,663	11.9%	0	0.0%	1,155	3.8%	14	0.0%	159	0.5%	17	0.1%
Emmet	4,461	2,762	61.9%	903	20.2%	325	7.3%	393	8.8%	0	0.0%	58	1.3%	0	0.0%	15	0.3%	5	0.1%
Fayette	8,490	4,328	51.0%	1,834	21.6%	589	6.9%	1,247	14.7%	6	0.1%	445	5.2%	0	0.0%	30	0.4%	11	0.1%
Floyd	6,721	4,315	64.2%	1,043	15.5%	503	7.5%	541	8.0%	14	0.2%	284	4.2%	0	0.0%	18	0.3%	3	0.0%
Franklin	4,579	2,094	45.7%	1,076	23.5%	382	8.3%	931	20.3%	0	0.0%	61	1.3%	11	0.2%	17	0.4%	7	0.2%
Fremont	3,217	1,368	42.5%	1,141	35.5%	194	6.0%	334	10.4%	0	0.0%	156	4.8%	0	0.0%	16	0.5%	8	0.2%
Greene	4,195	2,366	56.4%	1,082	25.8%	317	7.6%	240	5.7%	0	0.0%	167	4.0%	0	0.0%	21	0.5%	2	0.0%
Grundy	4,776	2,521	52.8%	1,112	23.3%	351	7.3%	692	14.5%	0	0.0%	78	1.6%	6	0.1%	8	0.2%	8	0.2%
Guthrie	4,407	1,902	43.2%	1,514	34.4%	411	9.3%	289	6.6%	8	0.2%	267	6.1%	5	0.1%	6	0.1%	5	0.1%

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State of Iowa	1,064,325	698,557	65.6%	157,289	14.8%	111,249	10.5%	58,278	5.5%	372	0.0%	30,350	2.9%	234	0.0%	5,437	0.5%	2,559	0.2%
Hamilton	6,358	3,895	61.3%	1,818	28.6%	337	5.3%	223	3.5%	0	0.0%	81	1.3%	0	0.0%	4	0.1%	0	0.0%
Hancock	4,867	2,768	56.9%	1,184	24.3%	398	8.2%	364	7.5%	0	0.0%	117	2.4%	0	0.0%	27	0.6%	9	0.2%
Hardin	7,611	4,620	60.7%	1,459	19.2%	723	9.5%	620	8.1%	0	0.0%	159	2.1%	0	0.0%	13	0.2%	17	0.2%
Harrison	5,656	2,303	40.7%	1,616	28.6%	600	10.6%	666	11.8%	0	0.0%	408	7.2%	0	0.0%	33	0.6%	30	0.5%
Henry	7,089	3,891	54.9%	1,704	24.0%	888	12.5%	191	2.7%	6	0.1%	376	5.3%	0	0.0%	21	0.3%	12	0.2%
Howard	3,856	1,373	35.6%	1,527	39.6%	222	5.8%	547	14.2%	0	0.0%	180	4.7%	0	0.0%	7	0.2%	0	0.0%
Humboldt	4,339	2,177	50.2%	1,253	28.9%	496	11.4%	327	7.5%	0	0.0%	65	1.5%	0	0.0%	17	0.4%	4	0.1%
Ida	3,222	1,690	52.5%	571	17.7%	456	14.2%	406	12.6%	0	0.0%	92	2.9%	0	0.0%	4	0.1%	3	0.1%
Iowa	5,713	2,848	49.9%	1,077	18.9%	506	8.9%	983	17.2%	7	0.1%	281	4.9%	0	0.0%	11	0.2%	0	0.0%
Jackson	7,527	3,460	46.0%	1,252	16.6%	579	7.7%	1,353	18.0%	0	0.0%	880	11.7%	0	0.0%	3	0.0%	0	0.0%
Jasper	13,632	7,887	57.9%	2,900	21.3%	1,491	10.9%	888	6.5%	2	0.0%	369	2.7%	0	0.0%	61	0.4%	34	0.2%
Jefferson	6,309	3,573	56.6%	1,273	20.2%	885	14.0%	198	3.1%	0	0.0%	357	5.7%	0	0.0%	14	0.2%	9	0.1%
Johnson	36,067	26,515	73.5%	2,977	8.3%	4,795	13.3%	659	1.8%	22	0.1%	514	1.4%	14	0.0%	365	1.0%	206	0.6%
Jones	6,917	2,924	42.3%	2,249	32.5%	494	7.1%	751	10.9%	0	0.0%	493	7.1%	0	0.0%	0	0.0%	6	0.1%
Keokuk	4,573	1,513	33.1%	1,556	34.0%	622	13.6%	583	12.7%	2	0.0%	297	6.5%	0	0.0%	0	0.0%	0	0.0%
Kossuth	7,194	3,128	43.5%	2,012	28.0%	527	7.3%	1,357	18.9%	0	0.0%	157	2.2%	0	0.0%	9	0.1%	4	0.1%
Lee	14,936	8,835	59.2%	1,586	10.6%	3,347	22.4%	265	1.8%	5	0.0%	791	5.3%	13	0.1%	51	0.3%	43	0.3%
Linn	65,501	52,615	80.3%	4,184	6.4%	4,951	7.6%	1,708	2.6%	0	0.0%	925	1.4%	14	0.0%	854	1.3%	250	0.4%
Louisa	4,296	2,067	48.1%	1,347	31.4%	480	11.2%	156	3.6%	0	0.0%	231	5.4%	2	0.0%	10	0.2%	3	0.1%
Lucas	3,766	1,642	43.6%	1,034	27.5%	514	13.6%	230	6.1%	36	1.0%	288	7.6%	0	0.0%	7	0.2%	15	0.4%
Lyon	4,289	1,837	42.8%	1,176	27.4%	308	7.2%	859	20.0%	0	0.0%	89	2.1%	0	0.0%	14	0.3%	6	0.1%
Madison	4,715	2,174	46.1%	1,451	30.8%	486	10.3%	190	4.0%	0	0.0%	360	7.6%	0	0.0%	48	1.0%	6	0.1%
Mahaska	8,306	4,917	59.2%	1,779	21.4%	953	11.5%	320	3.9%	8	0.1%	294	3.5%	5	0.1%	24	0.3%	6	0.1%
Marion	10,815	7,374	68.2%	1,799	16.6%	827	7.6%	291	2.7%	5	0.0%	458	4.2%	0	0.0%	52	0.5%	9	0.1%
Marshall	14,890	9,637	64.7%	2,552	17.1%	1,319	8.9%	1,063	7.1%	2	0.0%	218	1.5%	3	0.0%	53	0.4%	43	0.3%
Mills	4,665	2,495	53.5%	1,108	23.8%	529	11.3%	272	5.8%	2	0.0%	214	4.6%	0	0.0%	45	1.0%	0	0.0%
Mitchell	4,253	1,743	41.0%	1,371	32.2%	274	6.4%	661	15.5%	0	0.0%	204	4.8%	0	0.0%	0	0.0%	0	0.0%
Monona	4,098	1,739	42.4%	878	21.4%	375	9.2%	778	19.0%	0	0.0%	292	7.1%	8	0.2%	28	0.7%	0	0.0%
Monroe	3,196	1,579	49.4%	867	27.1%	325	10.2%	46	1.4%	26	0.8%	333	10.4%	0	0.0%	20	0.6%	0	0.0%
Montgomery	4,955	3,149	63.6%	1,064	21.5%	497	10.0%	122	2.5%	0	0.0%	64	1.3%	0	0.0%	53	1.1%	6	0.1%
Muscatine	14,806	11,071	74.8%	1,755	11.9%	1,426	9.6%	191	1.3%	0	0.0%	301	2.0%	0	0.0%	6	0.0%	56	0.4%
O'Brien	5,980	3,909	65.4%	961	16.1%	807	13.5%	240	4.0%	2	0.0%	54	0.9%	2	0.0%	5	0.1%	0	0.0%
Osceola	2,817	1,117	39.7%	809	28.7%	325	11.5%	490	17.4%	9	0.3%	65	2.3%	0	0.0%	2	0.1%	0	0.0%
Page	6,687	4,123	61.7%	1,254	18.8%	678	10.1%	371	5.5%	0	0.0%	231	3.5%	0	0.0%	14	0.2%	16	0.2%
Palo Alto	4,183	2,303	55.1%	960	23.0%	448	10.7%	356	8.5%	0	0.0%	95	2.3%	5	0.1%	10	0.2%	6	0.1%
Plymouth	8,417	4,430	52.6%	2,203	26.2%	1,047	12.4%	592	7.0%	0	0.0%	104	1.2%	1	0.0%	35	0.4%	5	0.1%
Pocahontas	3,820	1,679	44.0%	1,049	27.5%	360	9.4%	654	17.1%	0	0.0%	69	1.8%	0	0.0%	4	0.1%	5	0.1%
Polk	129,237	102,908	79.6%	4,552	3.5%	18,504	14.3%	764	0.6%	33	0.0%	660	0.5%	6	0.0%	1,113	0.9%	697	0.5%
Pottawattamie	31,262	24,848	79.5%	3,046	9.7%	2,125	6.8%	513	1.6%	0	0.0%	583	1.9%	23	0.1%	57	0.2%	67	0.2%

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State of Iowa	1,064,325	698,557	65.6%	157,289	14.8%	111,249	10.5%	58,278	5.5%	372	0.0%	30,350	2.9%	234	0.0%	5,437	0.5%	2,559	0.2%
Poweshiek	7,158	3,514	49.1%	1,462	20.4%	1,108	15.5%	847	11.8%	13	0.2%	145	2.0%	5	0.1%	24	0.3%	40	0.6%
Ringgold	2,218	600	27.1%	842	38.0%	306	13.8%	308	13.9%	0	0.0%	162	7.3%	0	0.0%	0	0.0%	0	0.0%
Sac	4,914	1,741	35.4%	1,532	31.2%	582	11.8%	983	20.0%	0	0.0%	66	1.3%	0	0.0%	2	0.0%	8	0.2%
Scott	57,438	49,847	86.8%	2,267	3.9%	4,143	7.2%	506	0.9%	0	0.0%	406	0.7%	7	0.0%	202	0.4%	60	0.1%
Shelby	5,024	2,545	50.7%	868	17.3%	813	16.2%	594	11.8%	0	0.0%	149	3.0%	2	0.0%	35	0.7%	18	0.4%
Sioux	9,925	5,469	55.1%	1,750	17.6%	1,622	16.3%	879	8.9%	0	0.0%	177	1.8%	0	0.0%	11	0.1%	17	0.2%
Story	25,941	19,511	75.2%	2,762	10.6%	2,677	10.3%	539	2.1%	10	0.0%	185	0.7%	13	0.1%	204	0.8%	40	0.2%
Tama	6,768	3,152	46.6%	1,657	24.5%	509	7.5%	970	14.3%	3	0.0%	459	6.8%	0	0.0%	18	0.3%	0	0.0%
Taylor	2,859	1,009	35.3%	910	31.8%	417	14.6%	286	10.0%	0	0.0%	237	8.3%	0	0.0%	0	0.0%	0	0.0%
Union	5,173	3,392	65.6%	834	16.1%	552	10.7%	102	2.0%	0	0.0%	246	4.8%	0	0.0%	47	0.9%	0	0.0%
Van Buren	3,056	524	17.1%	1,275	41.7%	465	15.2%	265	8.7%	0	0.0%	513	16.8%	6	0.2%	6	0.2%	2	0.1%
Wapello	14,555	10,179	69.9%	2,245	15.4%	1,220	8.4%	217	1.5%	0	0.0%	573	3.9%	0	0.0%	72	0.5%	49	0.3%
Warren	12,659	7,527	59.5%	2,800	22.1%	1,536	12.1%	213	1.7%	0	0.0%	495	3.9%	0	0.0%	49	0.4%	39	0.3%
Washington	7,454	4,254	57.1%	1,608	21.6%	874	11.7%	269	3.6%	28	0.4%	401	5.4%	2	0.0%	7	0.1%	11	0.1%
Wayne	2,953	1,209	40.9%	963	32.6%	480	16.3%	98	3.3%	9	0.3%	188	6.4%	0	0.0%	4	0.1%	2	0.1%
Webster	15,963	12,716	79.7%	2,104	13.2%	684	4.3%	124	0.8%	0	0.0%	167	1.0%	0	0.0%	122	0.8%	46	0.3%
Winnebago	4,704	2,188	46.5%	1,326	28.2%	402	8.5%	668	14.2%	2	0.0%	83	1.8%	0	0.0%	23	0.5%	12	0.3%
Winneshiek	7,256	2,914	40.2%	1,994	27.5%	810	11.2%	782	10.8%	0	0.0%	705	9.7%	6	0.1%	34	0.5%	11	0.2%
Woodbury	36,899	28,714	77.8%	2,876	7.8%	3,408	9.2%	1,038	2.8%	16	0.0%	398	1.1%	0	0.0%	338	0.9%	111	0.3%
Worth	3,239	1,860	57.4%	997	30.8%	163	5.0%	119	3.7%	0	0.0%	83	2.6%	7	0.2%	9	0.3%	1	0.0%
Wright	5,899	3,618	61.3%	1,202	20.4%	592	10.0%	402	6.8%	0	0.0%	76	1.3%	0	0.0%	2	0.0%	7	0.1%

Source: U.S. Bureau of the Census, Decennial Censuses

1990 Census: STF3, Table H030

Prepared By: State Library of Iowa, State Data Center Program, 800-248-4483, http://www.silo.lib.ia.us/specialized_services/datacenter/index.html