

Appendix D-1

Occupied Housing Units by Type of Space Heating Fuel by County in New York State, 2017–2021, Five-Year Estimates

Table D-1. (In Housing Units)

County	Total Occupied Units	Utility Gas	Bottled Tank or LP Gas	Electricity	Fuel Oil or Kerosene	Coal or Coke	Wood	Solar Energy	Other	No Fuel Used
New York State	7,530,150	4,489,695	334,341	972,142	1,405,933	16,442	113,064	7,517	89,119	101,897
New York City	3,250,657	2,122,672	79,661	436,454	474,300	1,821	1,505	2,881	50,337	81,026
Bronx	521,340	254,943	12,721	66,518	158,535	567	64	312	7,374	20,306
Kings	985,108	746,435	26,693	99,012	77,401	402	309	864	12,535	21,457
New York	767,213	366,073	15,658	198,791	136,893	551	567	797	21,883	26,000
Queens	807,468	608,592	21,266	62,850	93,783	301	398	595	7,708	11,975
Richmond	169,528	146,629	3,323	9,283	7,688	0	167	313	837	1,288
Rest of State	4,225,533	2,322,850	243,811	514,891	951,442	15,702	117,102	4,744	36,734	18,257
Albany	130,754	85,984	4,332	26,746	9,740	230	1,874	137	899	812
Allegany	16,671	8,817	2,112	1,912	1,087	363	2,149	6	212	13
Broome	81,031	48,937	5,949	13,528	8,498	469	2,275	46	648	681
Cattaraugus	31,333	16,506	4,455	4,741	1,751	404	2,870	13	505	88
Cayuga	30,604	14,848	4,361	3,934	4,281	358	1,936	16	773	97
Chautauqua	53,050	34,736	4,692	8,289	1,389	78	2,493	44	935	394
Chemung	34,223	23,440	2,339	4,807	2,006	282	1,029	16	190	114
Chenango	19,753	3,155	3,046	3,291	6,651	600	2,484	0	452	74
Clinton	32,379	3,913	2,331	10,347	13,026	85	2,166	11	338	162
Columbia	25,167	3,138	3,820	3,828	12,136	50	1,580	123	336	156
Cortland	18,260	8,760	2,110	2,323	2,777	455	1,484	33	247	71
Delaware	18,487	2,299	2,529	2,207	7,920	251	2,880	10	352	39
Dutchess	111,735	31,108	6,473	16,973	53,101	105	2,126	153	961	735
Erie	403,064	354,384	7,650	30,803	4,319	171	2,346	119	2,046	1,226
Essex	15,714	814	2,324	2,666	7,748	29	1,924	28	136	45
Franklin	18,561	1,263	2,340	2,425	9,314	97	2,430	3	602	87
Fulton	21,712	8,369	2,632	2,264	5,941	132	1,733	25	463	153
Genesee	24,461	14,690	2,897	2,911	2,415	187	761	40	507	53
Greene	17,451	1,738	2,625	2,413	8,969	13	1,170	13	448	62
Hamilton	1,457	36	341	101	653	0	295	3	27	1
Herkimer	24,441	10,326	2,020	3,354	5,683	282	2,122	69	525	60
Jefferson	45,517	18,493	6,822	9,702	6,721	59	2,627	17	742	334
Lewis	10,453	1,655	1,972	780	3,308	42	2,447	3	218	28
Livingston	24,012	12,050	3,487	3,652	2,449	256	1,596	18	428	76
Madison	24,779	10,148	3,527	3,280	5,342	528	1,560	2	323	69
Monroe	311,955	240,320	7,031	53,777	5,479	108	1,449	77	1,931	1,783
Montgomery	18,907	8,793	1,367	2,054	4,747	204	1,092	16	446	188
Nassau	453,576	274,191	9,110	27,275	137,971	137	517	668	2,171	1,536
Niagara	90,030	69,649	4,831	9,172	4,120	82	1,173	49	486	468
Oneida	90,866	53,248	5,926	12,935	13,532	363	3,017	18	1,284	543
Onondaga	190,353	134,047	6,234	36,514	7,164	874	1,953	97	2,025	1,445
Ontario	46,547	27,250	6,126	7,207	3,250	326	1,485	49	745	109
Orange	132,880	64,264	8,561	16,908	39,263	214	2,169	132	910	459
Orleans	16,203	6,625	3,684	2,027	2,509	63	1,020	23	203	49
Oswego	46,749	19,036	9,469	6,679	5,326	562	4,464	52	976	185
Ostego	22,448	4,057	3,693	2,800	7,946	219	3,220	46	333	134
Putnam	34,651	3,439	2,047	7,372	20,613	30	741	29	252	128
Rensselaer	66,341	32,475	5,737	9,416	14,369	98	3,155	106	760	225
Rockland	102,161	85,745	1,584	10,116	3,185	68	276	193	367	627
St. Lawrence	41,224	14,428	4,939	5,037	10,562	187	5,147	21	527	376
Saratoga	97,829	56,486	10,755	13,060	13,510	326	2,463	38	817	374
Schenectady	61,038	43,320	2,572	9,338	4,158	50	629	143	443	385
Schoharie	12,110	790	1,989	1,989	5,223	117	1,778	17	190	33
Schuyler	7,542	1,300	2,034	1,262	1,528	386	810	7	187	28
Seneca	13,603	5,740	2,601	2,161	1,613	366	745	5	283	89
Steuben	38,650	20,673	4,562	5,370	2,428	1,231	3,570	6	727	83
Suffolk	505,564	202,523	16,482	39,826	238,190	339	2,985	1,001	2,409	1,809
Sullivan	28,816	1,262	4,240	5,134	15,145	184	2,205	40	531	75
Tioga	20,316	6,199	2,968	2,428	5,830	844	1,722	65	217	43
Tompkins	42,889	20,394	4,934	10,138	3,267	631	2,239	142	726	418
Ulster	71,194	15,168	8,946	9,188	32,676	122	3,837	227	841	189
Warren	29,261	12,932	3,771	4,070	6,534	120	1,352	111	277	94
Washington	24,073	5,428	3,211	2,756	9,743	201	2,408	34	217	75
Wayne	37,771	20,169	4,928	5,796	3,933	217	2,020	0	428	280
Westchester	364,413	187,951	8,771	41,770	118,239	71	1,074	255	3,400	2,882
Wyoming	15,870	7,018	2,411	3,004	1,444	132	1,541	15	276	29
Yates	8,594	2,496	1,996	1,832	911	223	946	6	84	100

Appendix D-2

Occupied Housing Units by Type of Space Heating Fuel by County in New York State, 2021, One-Year Estimates¹

Table D-2. (In Housing Units)

County	Total Occupied Units	Utility Gas	Bottled Tank or LP Gas	Electricity	Fuel Oil or Kerosene	Coal or Coke	All Other Fuels	No Fuel Used
New York State	7,652,666	4,489,009	388,311	1,118,015	1,293,770	14,596	98,952	132,953
New York City	3,263,895	2,075,360	94,203	523,102	405,229	1,554	53,248	106,179
Bronx	533,004	265,326	14,328	83,526	128,487	498	7,141	33,086
Kings	1,001,868	719,493	32,096	130,764	75,530	194	13,580	28,691
New York	737,575	359,467	14,951	208,219	104,192	495	22,710	26,547
Queens	820,686	587,597	27,264	90,813	89,152	367	8,869	15,543
Richmond	170,762	143,477	5,564	9,780	7,868	0	948	2,312
Rest of State	3,834,788	2,250,657	198,412	455,603	799,626	9,787	30,864	16,553
Albany	132,171	84,903	4,561	30,195	9,266	538	705	346
Broome	84,452	51,609	5,399	14,461	8,169	519	429	709
Cattaraugus	32,562	17,158	4,780	4,960	1,706	514	749	50
Cayuga	32,392	15,737	4,657	4,529	4,451	365	688	44
Chautauqua	53,309	35,075	4,462	8,175	1,439	142	964	380
Chemung	35,407	22,792	2,671	6,531	1,611	321	309	251
Clinton	33,860	4,731	3,335	9,748	13,619	0	567	200
Dutchess	118,175	33,910	8,121	18,531	53,259	0	976	660
Erie	412,870	359,838	8,135	34,747	4,353	205	1,462	2,040
Jefferson	48,628	19,120	8,557	10,139	5,731	84	1,134	396
Madison	25,294	10,784	4,406	3,608	4,411	353	323	162
Monroe	318,883	239,157	7,954	59,670	5,162	144	2,000	2,956
Nassau	459,452	286,310	11,082	29,433	127,706	190	1,755	1,386
Niagara	90,975	67,330	4,876	11,249	4,817	12	515	996
Oneida	93,373	54,994	6,858	14,751	12,743	314	1,258	225
Onondaga	198,132	137,920	7,454	40,285	5,693	792	2,641	1,410
Ontario	47,607	28,967	6,711	7,200	2,711	221	923	33
Orange	137,561	69,000	9,375	16,556	39,032	163	510	805
Oswego	46,924	15,936	10,382	7,424	6,348	286	1,458	276
Putnam	35,166	3,516	2,170	7,486	20,177	0	579	41
Rensselaer	66,431	34,489	5,651	9,848	12,912	176	808	170
Rockland	102,609	85,840	1,788	10,566	2,542	0	266	1,186
St. Lawrence	42,298	13,984	5,939	5,109	11,201	162	896	281
Saratoga	100,226	56,732	12,898	14,753	12,130	359	433	686
Schenectady	66,910	45,743	2,929	11,671	4,543	71	386	475
Steuben	39,500	20,246	5,952	5,156	2,268	1,131	1,560	389
Suffolk	511,951	211,357	23,637	41,108	225,682	46	3,145	2,741
Sullivan	32,529	1,035	4,231	7,901	16,049	211	750	0
Tompkins	44,469	19,588	4,306	14,550	2,621	113	657	495
Ulster	75,053	18,305	10,566	8,900	32,921	136	1,047	28
Warren	29,729	13,406	3,867	4,228	5,857	159	627	107
Wayne	38,634	20,998	5,335	5,763	3,636	79	652	214
Westchester	371,736	187,311	12,839	51,885	107,550	96	6,089	4,940

¹ Counties with populations of less than 65,000 were not part of the American Community Survey One-Year Estimates.

Appendix D-3

New York State Population Estimates by County, 2010–2020

Table D-3.

County	July 2010	July 2011	July 2012	July 2013	July 2014	July 2015	July 2016	July 2017	July 2018	July 2019	July 2020
New York State	19,399,878	19,499,241	19,572,932	19,624,447	19,651,049	19,654,666	19,633,428	19,589,572	19,530,351	19,453,561	20,201,249
Albany	304,086	304,596	305,723	306,589	307,151	307,433	307,597	307,717	306,585	305,506	314,848
Allegghany	48,971	48,800	48,210	47,900	47,652	47,334	47,044	46,639	46,332	46,091	46,456
Bronx	1,387,298	1,397,335	1,411,496	1,421,928	1,430,942	1,440,005	1,444,417	1,440,625	1,432,087	1,418,207	1,472,654
Broome	200,481	199,363	198,667	197,914	197,251	195,928	194,498	193,100	191,925	190,488	198,683
Cattaraugus	80,218	79,815	79,348	78,996	78,677	77,926	77,658	77,176	76,726	76,117	77,042
Cayuga	79,895	79,693	79,505	79,088	78,762	78,298	77,674	77,457	77,121	76,576	76,248
Chautauqua	134,725	134,209	133,304	132,852	131,751	130,529	129,206	128,372	127,472	126,903	127,657
Chemung	88,895	88,899	89,137	88,199	87,177	86,705	85,644	84,736	83,935	83,456	84,148
Chenango	50,399	50,182	49,883	49,477	49,319	48,772	48,315	47,805	47,445	47,207	47,220
Clinton	82,096	81,728	81,714	81,523	81,463	80,718	80,500	80,531	80,679	80,485	79,843
Columbia	63,036	62,528	62,449	62,170	61,942	61,434	60,835	60,338	59,785	59,461	61,570
Cortland	49,279	49,380	49,023	48,905	48,740	48,290	47,915	47,815	47,722	47,581	46,809
Delaware	47,888	47,584	47,215	46,803	46,562	45,891	45,393	45,028	44,526	44,135	44,308
Dutchess	297,728	298,133	297,023	296,268	295,127	294,039	293,029	293,545	293,939	294,218	295,911
Erie	919,152	919,843	919,906	920,869	921,755	920,644	918,678	919,034	919,717	918,702	954,236
Essex	39,360	39,271	38,875	38,601	38,323	37,965	37,671	37,487	37,288	36,885	37,381
Franklin	51,645	51,545	51,791	51,212	51,096	50,540	51,081	50,465	50,279	50,022	47,555
Fulton	55,455	55,112	54,845	54,345	53,932	53,801	53,610	53,802	53,633	53,383	53,324
Genesee	59,928	59,880	59,672	59,112	58,725	58,462	58,013	57,798	57,487	57,280	58,388
Greene	49,139	48,857	48,587	48,308	47,964	47,616	47,494	47,442	47,381	47,188	47,931
Hamilton	4,851	4,826	4,803	4,766	4,700	4,699	4,556	4,471	4,432	4,416	5,107
Herkimer	64,470	64,386	64,227	63,883	63,384	62,652	62,436	62,163	61,713	61,319	60,139
Jefferson	116,592	117,752	120,235	118,490	117,971	116,371	112,980	113,157	111,866	109,834	116,721
Kings	2,509,828	2,540,817	2,568,450	2,587,684	2,601,513	2,608,794	2,608,423	2,594,676	2,578,074	2,559,903	2,736,074
Lewis	27,077	27,027	27,196	27,098	27,089	26,827	26,647	26,605	26,486	26,296	26,582
Livingston	65,240	64,849	64,796	64,627	64,585	64,344	64,000	63,483	63,213	62,914	61,834
Madison	73,440	72,887	72,414	72,457	72,210	71,636	71,387	70,942	71,117	70,941	68,016
Monroe	744,580	746,751	747,344	748,290	747,364	745,577	743,770	742,724	742,864	741,770	759,443
Montgomery	50,307	49,911	49,829	49,743	49,679	49,564	49,169	49,163	49,394	49,221	49,532
Nassau	1,341,669	1,346,223	1,349,616	1,352,193	1,354,705	1,354,840	1,355,952	1,357,293	1,357,534	1,356,924	1,395,774
New York	1,588,767	1,608,293	1,623,911	1,627,491	1,630,678	1,636,063	1,635,443	1,630,698	1,629,055	1,628,706	1,694,251
Niagara	216,475	215,719	214,713	214,105	213,305	212,358	211,554	210,848	210,060	209,281	212,666
Oneida	234,756	234,218	233,765	233,347	232,598	231,264	230,375	230,011	229,474	228,671	232,125
Onondaga	467,533	467,614	467,030	468,146	467,285	466,277	464,109	461,795	461,649	460,528	476,516
Ontario	108,176	108,599	108,611	109,044	109,334	109,271	109,229	109,538	109,738	109,777	112,458
Orange	373,445	374,097	373,699	374,320	374,845	375,803	377,799	379,758	382,126	384,940	401,310
Orleans	42,851	42,648	42,391	42,229	41,861	41,481	41,247	40,786	40,655	40,352	40,343
Oswego	122,137	121,981	121,458	121,170	120,590	119,735	118,895	118,427	117,515	117,124	117,525
Osteo	62,259	61,971	61,747	61,614	60,950	60,504	60,132	59,920	59,810	59,493	58,524
Putnam	99,667	99,827	99,625	99,572	99,438	99,185	98,761	98,856	98,814	98,320	97,668
Queens	2,234,701	2,255,482	2,272,222	2,287,185	2,298,736	2,305,838	2,306,830	2,295,808	2,274,605	2,253,858	2,405,464
Rensselaer	159,340	159,589	159,437	159,545	159,666	159,436	159,294	159,200	159,283	158,714	161,130
Richmond	469,615	471,021	470,614	471,803	471,937	472,349	474,040	475,671	476,260	476,143	495,747
Rockland	312,499	315,452	317,196	319,284	321,119	322,919	323,258	324,622	325,522	325,789	338,329
St. Lawrence	111,812	112,277	112,355	111,931	111,437	110,348	109,449	108,699	108,327	107,740	108,505
Saratoga	220,109	221,111	222,483	224,087	224,513	226,078	227,122	229,276	230,170	229,863	235,509
Schenectady	154,861	154,864	155,016	154,944	155,016	154,733	154,475	154,710	155,079	155,299	158,061
Schoharie	32,686	32,618	32,039	31,900	31,767	31,405	31,304	31,255	31,146	30,999	29,714
Schuyler	18,334	18,413	18,498	18,382	18,176	18,027	17,967	17,913	17,884	17,807	17,898
Seneca	35,266	35,380	35,388	35,250	34,879	34,801	34,710	34,246	34,179	34,016	33,814
Steuben	99,005	99,148	98,925	98,843	98,165	97,551	96,958	96,360	95,860	95,379	93,584
Suffolk	1,494,339	1,498,892	1,496,982	1,497,346	1,495,525	1,491,967	1,486,406	1,483,358	1,480,830	1,476,601	1,525,920
Sullivan	77,476	77,053	76,931	76,945	75,634	74,832	74,922	74,994	75,399	75,432	78,624
Tioga	51,008	50,875	50,278	50,103	49,824	49,355	48,824	48,609	48,441	48,203	48,455
Tompkins	101,740	101,821	102,726	103,553	103,391	103,006	102,942	102,664	102,419	102,180	105,740
Ulster	182,418	182,448	181,538	180,698	180,400	179,658	179,042	178,635	178,418	177,573	181,851
Warren	65,665	65,736	65,417	65,083	64,866	64,420	64,438	64,365	64,215	63,944	65,737
Washington	63,356	63,091	63,003	62,765	62,475	62,246	61,795	61,559	61,274	61,204	61,302
Wayne	93,751	93,256	93,029	92,339	91,801	91,291	90,758	90,429	90,200	89,918	91,283
Westchester	950,601	956,262	959,585	964,567	967,044	968,773	970,267	969,689	968,213	967,506	1,004,457
Wyoming	42,126	41,849	41,700	41,359	41,134	40,930	40,432	40,282	40,023	39,859	40,531
Yates	25,376	25,454	25,337	25,207	25,149	25,128	25,059	25,002	24,951	24,913	24,774