Table F27: Solar energy consumption estimates, 2023

State	Residential [a]	Commercial [b]	Industrial [b]	Electric power	Total	Residential [c]	Commercial [d]	Industrial [d]	Electric power	Total
	Million kilowatthours					Trillion Btu				
Alabama	5	14	3	1,201	1,223	0.1	(s)	(s)	4.1	4.2
Alaska	12	6	(s)	(s)	18	(s)	(s)	(s)	(s)	0.1
Arizona	3,756	1,121	47	7,385	12,309	16.2	3.8	0.2	25.2	45.4
Arkansas	208	167	43	776	1,194	0.8	0.6	0.1	2.6	4.1
California	19,142	5,988	3,257	40,591	68,978	83.6	20.4	11.1	138.5	253.7
Colorado	1,296	381	40	3,601	5,319	4.7	1.3	0.1	12.3	18.4
Connecticut	793	396	58	412	1,659	3.7	1.3	0.2	1.4	6.6
Delaware	141	38	13	153	344	0.5	0.1	(s)	0.5	1.2
Dist. of Col.	132	75	0	25	231	0.5	0.3	0.0	0.1	0.8
Florida	3,401	286	67	14,050	17,804	39.1	1.0	0.2	47.9	88.2
Georgia	183	78	260	7,548	8,069	1.0	0.3	0.9	25.8	27.9
Hawaii	888	501	4	647	2,040	5.1	1.7	(s)	2.2	9.0
Idaho	195	14	31	851	1,092	0.7	(s)	0.1	2.9	3.7
Illinois	708	824	5	1,909	3,447	3.7	2.8	(s)	6.5	13.0
Indiana	144	193	14	1,852	2,203	0.6	0.7	(s)	6.3	7.7
Iowa	175	200	15	521	911	0.6	0.7	0.1	1.8	3.1
Kansas	88	40	1	81	210	0.3	0.1	(s)	0.3	0.7
Kentucky	96	34	2	154	286	0.4	0.1	(s)	0.5	1.0
Louisiana	275	24	(s)	292	592	1.0	0.1	(s)	1.0	2.1
Maine	109	520	(s)	523	1,152	0.5	1.8	(s)	1.8	4.1
Maryland	1,055	317	31	922	2,325	3.7	1.1	0.1	3.1	8.0
Massachusetts	1,501	2,078	143	2,002	5,724	5.4	7.1	0.5	6.8	19.8
Michigan	187	105	5	1,269	1,566	1.1	0.4	(s)	4.3	5.9
Minnesota	211	88	23	2,094	2,417	0.9	0.3	0.1	7.1	8.5
Mississippi	13	9	1	633	656	0.1	(s)	(s)	2.2	2.3
Missouri	459	218	15	174	867	1.6	0.7	0.1	0.6	3.0
Montana	60	16	0	240	316	0.2	0.1	0.0	0.8	1.1
Nebraska	35	11	4	79	129	0.1	(s)	(s)	0.3	0.5
Nevada	1,489	173	82	9,637	11,381	6.1	0.6	0.3	32.9	39.9
New Hampshire	182	105	12	3	302	0.7	0.4	(s)	(s)	1.1
New Jersey	1,635	1,466	201	1,409	4,710	7.4	5.0	0.7	4.8	17.9
New Mexico	557	143	1	2,613	3,314	2.1	0.5	(s)	8.9	11.5
New York	1,781	2,178	27	2,218	6,205	7.4	7.4	0.1	7.6	22.5
North Carolina	559	287	17	11,353	12,216	2.2	1.0	0.1	38.7	42.0
North Dakota	1	1	0	0	2	(s)	(s)	0.0	0.0	(s)
Ohio	187	191	44	1,377	1,800	0.9	0.7	0.2	4.7	6.4
Oklahoma	132	28	3	79	242	0.5	0.1	(s)	0.3	0.9
Oregon	361	133	21	1,901	2,416	2.6	0.5	0.1	6.5	9.6
Pennsylvania	678	269	96	347	1,389	3.1	0.9	0.3	1.2	5.5
Rhode Island	183	413	7	423	1,027	0.7	1.4	(s)	1.4	3.5
South Carolina	435	113	46	2,757	3,351	1.5	0.4	0.2	9.4	11.5
South Dakota	3	1	0	47	50	(s)	(s)	0.0	0.2	0.2
Tennessee	24	52	6	953	1,034	0.1	0.2	(s)	3.3	3.6
Texas	3,709	470	8	28,138	32,325	13.3	1.6	(s)	96.0	110.9
Utah	753	140	13	3,929	4,835	2.6	0.5	(s)	13.4	16.6
Vermont	142	95	2	192	430	0.6	0.3	(s)	0.7	1.6
Virginia	539	164	6	5,420	6,129	2.4	0.6	(s)	18.5	21.5
Washington	448	69	1	364	883	1.7	0.2	(s)	1.2	3.1
West Virginia	35	11	2	0	47	0.2	(s)	(s)	0.0	0.2
Wisconsin	145	118	27	1,274	1,564	0.7	0.4	0.1	4.3	5.6
Wyoming	25	3	1	174	202	0.1	(s)	(s)	0.6	0.7
United States	49,273	20,366	4,708	164,590	238,937	233.2	69.5	16.1	561.6	880.3

[a] Includes small-scale solar photovoltaic (PV) only. Excludes any small amount of small-scale solar thermal electricity generation.
[b] Includes PV and solar thermal electricity net generation at utility-scale and small-scale facilities.
[c] Includes all solar thermal energy consumed as heat by any sector.
[d] Excludes any small-scale solar thermal energy consumed as heat, which is allocated to the residential sector.
Where shown, (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: • There are no direct fuel costs for PV and solar thermal energy. • Totals may not equal sum of components due to independent rounding. See Section 5 of the technical notes for explanation of estimation methodology.

Data source: U.S. Energy Information Administration, State Energy Data System. See technical notes. http://www.eia.gov/state/seds/