

**Table 17. Solar Pumps and Other Pumps Without Direct Energy Expense: 2023**

[Excludes institutional, research, and experimental farms. For meaning of abbreviations and symbols see introductory text.]

Geographic area	Farms	Pumps powered	Total acres irrigated <sup>1</sup>	Pumped well water only			Pumped surface water only		
				Farms <sup>2</sup>	Pumps powered	Acres irrigated	Farms <sup>2</sup>	Pumps powered	Acres irrigated
United States .....	3,278	6,386	302,238	2,337	3,951	141,654	758	1,166	54,015
<b>Water Resource Regions</b>									
Region 01 New England .....	110	132	246	103	125	(D)	7	7	(D)
Region 02 Mid-Atlantic .....	100	173	751	80	153	731	20	20	20
Region 03 South Atlantic-Gulf .....	164	860	4,966	103	590	2,794	31	240	2,052
Region 04 Great Lakes .....	132	219	3,774	132	219	3,774	-	-	-
Region 05 Ohio .....	113	113	280	39	39	43	74	74	237
Region 06 Tennessee .....	79	96	83	62	62	(D)	-	-	-
Region 07 Upper Mississippi .....	105	147	205	71	89	155	26	26	(D)
Region 08 Lower Mississippi .....	11	11	25	11	11	25	-	-	-
Region 09 Souris-Red-Rainy .....	-	-	-	-	-	-	-	-	-
Region 10 Missouri .....	89	89	466	26	26	20	63	63	446
Region 11 Arkansas-White-Red ....	129	259	4,834	90	211	4,766	37	44	58
Region 12 Texas-Gulf .....	67	98	2,082	64	95	2,079	3	3	3
Region 13 Rio Grande .....	128	163	1,924	34	38	123	94	125	1,801
Region 14 Upper Colorado .....	55	55	318	21	21	21	34	34	297
Region 15 Lower Colorado .....	241	322	2,482	220	301	2,461	21	21	21
Region 16 Great Basin .....	19	37	30,628	12	30	20,015	7	7	10,613
Region 17 Pacific Northwest .....	204	274	4,427	36	46	986	166	226	3,431
Region 18 California .....	1,446	3,247	244,569	1,174	1,836	103,294	148	244	34,897
Region 19 Alaska .....	25	29	8	21	21	3	4	8	4
Region 20 Hawaii .....	61	62	169	38	38	115	23	24	54

<sup>1</sup> Total may include areas irrigated by both surface and ground water, which can result in double counting.

<sup>2</sup> Farm counts exclude farms with both well water and surface water used. The sum of the individuals may not equal the total as a result.