

Steve Roof's Population Based Formula for 60,000 Acres of New Ground-Mount Solar Statewide in Action

Municipality	Population	Percent of MA pop.	Land area (sq mi)	Square Miles of Ground Mount Solar	Acres of Ground Mount Solar	% of town land needed for Ground Mount Solar
Gosnold	70	0.00%	13.2	0.00	0.60	0.01%
Mount Washington	160	0.00%	22.2	0.00	1.36	0.01%
Monroe	118	0.00%	10.7	0.00	1.01	0.01%
Hawley	353	0.01%	30.9	0.00	3.01	0.02%
Washington	494	0.01%	38	0.01	4.21	0.02%
Tolland	471	0.01%	31.5	0.01	4.02	0.02%
Middlefield	385	0.01%	24.2	0.01	3.28	0.02%
Savoy	645	0.01%	35.8	0.01	5.50	0.02%
Rowe	424	0.01%	23.4	0.01	3.62	0.02%
New Ashford	250	0.00%	13.4	0.00	2.13	0.02%
Sandisfield	989	0.01%	51.8	0.01	8.44	0.03%
Warwick	780	0.01%	37.3	0.01	6.65	0.03%
Hancock	757	0.01%	35.7	0.01	6.46	0.03%
New Salem	983	0.01%	44.8	0.01	8.39	0.03%
Petersham	1,194	0.02%	54.2	0.02	10.19	0.03%
Tyringham	427	0.01%	18.6	0.01	3.64	0.03%
Blandford	1,215	0.02%	51.6	0.02	10.36	0.03%
Windsor	831	0.01%	35.0	0.01	7.09	0.03%
Florida	694	0.01%	24.4	0.01	5.92	0.04%
Wendell	924	0.01%	31.9	0.01	7.88	0.04%
Heath	723	0.01%	24.9	0.01	6.17	0.04%
Royalston	1,250	0.02%	41.9	0.02	10.66	0.04%
Plainfield	633	0.01%	21.1	0.01	5.40	0.04%
Peru	814	0.01%	25.9	0.01	6.94	0.04%
New Marlborough	1,528	0.02%	46.9	0.02	13.03	0.04%
Chester	1,228	0.02%	36.6	0.02	10.48	0.04%
Cummington	829	0.01%	22.9	0.01	7.07	0.05%
Granville	1,538	0.02%	42.2	0.02	13.12	0.05%
Colrain	1,606	0.02%	43.1	0.02	13.70	0.05%
Worthington	1,193	0.02%	31.9	0.02	10.18	0.05%
Chesterfield	1,186	0.02%	30.8	0.02	10.12	0.05%
Leyden	734	0.01%	17.9	0.01	6.26	0.05%
Monterey	1,095	0.02%	26.4	0.01	9.34	0.06%

Municipality	Population	Percent of MA pop.	Land area (sq mi)	Square Miles of Ground Mount Solar	Acres of Ground Mount Solar	% of town land needed for Ground Mount Solar
Becket	1,931	0.03%	46.1	0.03	16.47	0.06%
Alford	486	0.01%	11.5	0.01	4.15	0.06%
Ashfield	1,695	0.02%	40.0	0.02	14.46	0.06%
Charlemont	1,185	0.02%	25.9	0.02	10.11	0.06%
Otis	1,634	0.02%	35.6	0.02	13.94	0.06%
Conway	1,761	0.03%	37.7	0.02	15.02	0.06%
New Braintree	996	0.01%	20.7	0.01	8.50	0.06%
Pelham	1,280	0.02%	25.1	0.02	10.92	0.07%
Montgomery	819	0.01%	15.1	0.01	6.99	0.07%
Goshen	970	0.01%	17.4	0.01	8.27	0.07%
Westhampton	1,622	0.02%	27.2	0.02	13.84	0.08%
Chilmark	1,212	0.02%	19	0.02	10.34	0.09%
Shutesbury	1,717	0.02%	26.6	0.02	14.65	0.09%
Hardwick	2,667	0.04%	38.6	0.04	22.75	0.09%
Sheffield	3,327	0.05%	47.5	0.04	28.38	0.09%
Phillipston	1,726	0.02%	24.3	0.02	14.72	0.09%
West Stockbridge	1,343	0.02%	18.5	0.02	11.46	0.10%
Egremont	1,372	0.02%	18.7	0.02	11.70	0.10%
Richmond	1,407	0.02%	18.7	0.02	12.00	0.10%
Whately	1,607	0.02%	20.2	0.02	13.71	0.11%
Huntington	2,094	0.03%	26.3	0.03	17.86	0.11%
Shelburne	1,884	0.03%	23.2	0.03	16.07	0.11%
Aquinnah	439	0.01%	5.4	0.01	3.74	0.11%
Leverett	1,865	0.03%	22.9	0.02	15.91	0.11%
Northfield	2,866	0.04%	34.3	0.04	24.45	0.11%
Oakham	1,851	0.03%	21.1	0.02	15.79	0.12%
Stockbridge	2,018	0.03%	22.7	0.03	17.21	0.12%
Bernardston	2,102	0.03%	23.4	0.03	17.93	0.12%
Buckland	1,816	0.03%	19.7	0.02	15.49	0.12%
Hinsdale	1,919	0.03%	20.7	0.03	16.37	0.12%
Russell	1,643	0.02%	17.3	0.02	14.02	0.13%
Williamsburg	2,504	0.04%	25.6	0.03	21.36	0.13%
Princeton	3,495	0.05%	35.4	0.05	29.81	0.13%
Lanesborough	3,038	0.04%	28.8	0.04	25.92	0.14%

Municipality	Population	Percent of MA pop.	Land area (sq mi)	Square Miles of Ground Mount Solar	Acres of Ground Mount Solar	% of town land needed for Ground Mount Solar
Hubbardston	4,328	0.06%	41.0	0.06	36.92	0.14%
Brimfield	3,694	0.05%	34.7	0.05	31.51	0.14%
Gill	1,551	0.02%	13.7	0.02	13.23	0.15%
Truro	2,454	0.03%	21.1	0.03	20.93	0.16%
Wales	1,832	0.03%	15.7	0.02	15.63	0.16%
Erving	1,665	0.02%	13.9	0.02	14.20	0.16%
Cheshire	3,258	0.05%	26.8	0.04	27.79	0.16%
Barre	5,530	0.08%	44.3	0.07	47.17	0.17%
Clarksburg	1,657	0.02%	12.8	0.02	14.14	0.17%
Ashby	3,193	0.05%	23.8	0.04	27.24	0.18%
West Tisbury	3,555	0.05%	25.0	0.05	30.33	0.19%
Deerfield	5,090	0.07%	32.4	0.07	43.42	0.21%
Great Barrington	7,172	0.10%	44.8	0.10	61.18	0.21%
Williamstown	7,513	0.11%	46.8	0.10	64.09	0.21%
Ashburnham	6,315	0.09%	38.7	0.08	53.87	0.22%
Rochester	5,717	0.08%	33.9	0.08	48.77	0.22%
Wellfleet	3,566	0.05%	19.8	0.05	30.42	0.24%
Warren	4,975	0.07%	27.5	0.07	42.44	0.24%
Monson	8,150	0.12%	44.1	0.11	69.52	0.25%
West Brookfield	3,833	0.05%	20.5	0.05	32.70	0.25%
Edgartown	5,168	0.07%	27	0.07	44.09	0.26%
Plympton	2,930	0.04%	14.8	0.04	24.99	0.26%
Dunstable	3,358	0.05%	16.6	0.04	28.65	0.27%
Hatfield	3,352	0.05%	15.9	0.04	28.59	0.28%
Holland	2,603	0.04%	12.3	0.03	22.21	0.28%
Orange	7,569	0.11%	35.1	0.10	64.57	0.29%
Granby	6,110	0.09%	27.8	0.08	52.12	0.29%
Southampton	6,224	0.09%	28.2	0.08	53.09	0.29%
Lee	5,788	0.08%	26.1	0.08	49.38	0.30%
Brookfield	3,439	0.05%	15.5	0.05	29.34	0.30%
North Brookfield	4,735	0.07%	21.1	0.06	40.39	0.30%
East Brookfield	2,224	0.03%	9.8	0.03	18.97	0.30%
Hadley	5,325	0.08%	23.1	0.07	45.43	0.31%
Westminster	8,213	0.12%	35.3	0.11	70.06	0.31%

Municipality	Population	Percent of MA pop.	Land area (sq mi)	Square Miles of Ground Mount Solar	Acres of Ground Mount Solar	% of town land needed for Ground Mount Solar
Winchendon	10,364	0.15%	43.3	0.14	88.41	0.32%
Lenox	5,095	0.07%	21.2	0.07	43.46	0.32%
Berlin	3,158	0.04%	12.9	0.04	26.94	0.33%
Douglas	8,983	0.13%	36.4	0.12	76.63	0.33%
Freetown	9,206	0.13%	36.6	0.12	78.53	0.34%
Hampden	4,966	0.07%	19.6	0.07	42.36	0.34%
Templeton	8,149	0.12%	32.0	0.11	69.52	0.34%
Rutland	9,049	0.13%	35.3	0.12	77.19	0.34%
Sunderland	3,663	0.05%	14.2	0.05	31.25	0.34%
Harvard	6,851	0.10%	26.4	0.09	58.44	0.35%
Sterling	7,985	0.11%	30.5	0.11	68.12	0.35%
Essex	3,675	0.05%	14	0.05	31.35	0.35%
Sturbridge	9,867	0.14%	37.4	0.13	84.17	0.35%
Rehoboth	12,502	0.18%	46.5	0.17	106.65	0.36%
Sherborn	4,401	0.06%	16.0	0.06	37.54	0.37%
Townsend	9,127	0.13%	32.9	0.12	77.86	0.37%
Montague	8,580	0.12%	30.2	0.11	73.19	0.38%
Bolton	5,665	0.08%	19.9	0.08	48.33	0.38%
Newbury	6,716	0.10%	23.4	0.09	57.29	0.38%
Sutton	9,357	0.13%	32.4	0.12	79.82	0.38%
Dalton	6,330	0.09%	21.8	0.08	54.00	0.39%
Belchertown	15,350	0.22%	52.7	0.20	130.95	0.39%
Ware	10,066	0.14%	34.4	0.13	85.87	0.39%
Nantucket	14,255	0.20%	47.8	0.19	121.60	0.40%
Southwick	9,232	0.13%	30.8	0.12	78.75	0.40%
Boylston	4,849	0.07%	16.0	0.06	41.37	0.40%
Lancaster	8,441	0.12%	27.7	0.11	72.01	0.41%
Carver	11,645	0.17%	37.4	0.16	99.34	0.42%
Charlton	13,315	0.19%	42.5	0.18	113.59	0.42%
Westport	16,339	0.23%	50.1	0.22	139.38	0.43%
West Newbury	4,500	0.06%	13.4	0.06	38.39	0.45%
Rowley	6,161	0.09%	18.2	0.08	52.56	0.45%
Carlisle	5,237	0.07%	15.4	0.07	44.67	0.45%
Paxton	5,004	0.07%	14.7	0.07	42.69	0.45%

Municipality	Population	Percent of MA pop.	Land area (sq mi)	Square Miles of Ground Mount Solar	Acres of Ground Mount Solar	% of town land needed for Ground Mount Solar
Mendon	6,228	0.09%	18.1	0.08	53.13	0.46%
Groton	11,315	0.16%	32.8	0.15	96.52	0.46%
Boxford	8,203	0.12%	23.6	0.11	69.98	0.46%
Middleborough	24,245	0.34%	69.1	0.32	206.83	0.47%
Adams	8,166	0.12%	22.9	0.11	69.66	0.48%
Spencer	11,992	0.17%	32.9	0.16	102.30	0.49%
Athol	11,945	0.17%	32.6	0.16	101.90	0.49%
Dighton	8,101	0.12%	22.0	0.11	69.11	0.49%
Upton	8,000	0.11%	21.5	0.11	68.25	0.50%
Mattapoisett	6,508	0.09%	17.4	0.09	55.52	0.50%
Provincetown	3,664	0.05%	9.7	0.05	31.26	0.50%
Dover	5,923	0.08%	15.3	0.08	50.53	0.52%
Lakeville	11,523	0.16%	29.6	0.15	98.30	0.52%
Palmer	12,448	0.18%	31.6	0.17	106.19	0.53%
Chatham	6,594	0.09%	16.3	0.09	56.25	0.54%
Stow	7,174	0.10%	17.6	0.10	61.20	0.54%
Berkley	6,764	0.10%	16.5	0.09	57.70	0.55%
Eastham	5,752	0.08%	14.0	0.08	49.07	0.55%
Ipswich	13,785	0.20%	32.1	0.18	117.59	0.57%
Marion	5,347	0.08%	12.1	0.07	45.61	0.59%
Lunenburg	11,782	0.17%	26.4	0.16	100.51	0.59%
Orleans	6,307	0.09%	14.1	0.08	53.80	0.60%
Brewster	10,318	0.15%	22.9	0.14	88.02	0.60%
Shirley	7,431	0.11%	15.8	0.10	63.39	0.63%
Leicester	11,087	0.16%	23.4	0.15	94.58	0.63%
Sandwich	20,259	0.29%	42.7	0.27	172.82	0.63%
Halifax	7,749	0.11%	16.2	0.10	66.10	0.64%
Uxbridge	14,162	0.20%	29.5	0.19	120.81	0.64%
Lincoln	7,014	0.10%	14.4	0.09	59.83	0.65%
Oxford	13,347	0.19%	26.6	0.18	113.86	0.67%
Bourne	20,452	0.29%	40.7	0.27	174.47	0.67%
West Bridgewater	7,707	0.11%	15.3	0.10	65.75	0.67%
Pepperell	11,604	0.16%	22.6	0.15	98.99	0.68%
Boxborough	5,506	0.08%	10.4	0.07	46.97	0.71%

Municipality	Population	Percent of MA pop.	Land area (sq mi)	Square Miles of Ground Mount Solar	Acres of Ground Mount Solar	% of town land needed for Ground Mount Solar
Hamilton	7,561	0.11%	14.2	0.10	64.50	0.71%
Norwell	11,351	0.16%	20.9	0.15	96.83	0.72%
Wrentham	12,178	0.17%	22.2	0.16	103.89	0.73%
Topsfield	6,569	0.09%	11.9	0.09	56.04	0.74%
Dartmouth	33,783	0.48%	60.9	0.45	288.19	0.74%
Dudley	11,921	0.17%	21.1	0.16	101.69	0.75%
Holden	19,905	0.28%	35.0	0.27	169.80	0.76%
Acushnet	10,559	0.15%	18.4	0.14	90.08	0.76%
Manchester-by-the-Sea	5,395	0.08%	9.2	0.07	46.02	0.78%
Salisbury	9,236	0.13%	15.4	0.12	78.79	0.80%
West Boylston	7,877	0.11%	12.9	0.10	67.20	0.81%
Littleton	10,141	0.14%	16.6	0.14	86.51	0.81%
Plymouth	61,217	0.87%	96.5	0.82	522.22	0.85%
North Adams	12,961	0.18%	20.4	0.17	110.57	0.85%
Harwich	13,440	0.19%	20.9	0.18	114.65	0.86%
Mashpee	15,060	0.21%	23.4	0.20	128.47	0.86%
Millville	3,174	0.05%	4.9	0.04	27.08	0.86%
Wareham	23,303	0.33%	35.8	0.31	198.79	0.87%
Wenham	4,979	0.07%	7.6	0.07	42.47	0.87%
Georgetown	8,470	0.12%	12.9	0.11	72.25	0.88%
Wilbraham	14,613	0.21%	22.2	0.19	124.66	0.88%
Norton	19,202	0.27%	28.7	0.26	163.81	0.89%
Duxbury	16,090	0.23%	23.8	0.21	137.26	0.90%
Millis	8,460	0.12%	12.2	0.11	72.17	0.92%
Weston	11,851	0.17%	17.0	0.16	101.10	0.93%
Middleton	9,779	0.14%	14.0	0.13	83.42	0.93%
Hopkinton	18,758	0.27%	26.6	0.25	160.02	0.94%
Hanson	10,639	0.15%	15.0	0.14	90.76	0.95%
Dennis	14,674	0.21%	20.5	0.20	125.18	0.95%
Oak Bluffs	5,341	0.08%	7.4	0.07	45.56	0.96%
Tyngsborough	12,380	0.18%	16.9	0.17	105.61	0.98%
Southborough	10,450	0.15%	14.2	0.14	89.15	0.98%
Kingston	13,708	0.19%	18.6	0.18	116.94	0.98%

Municipality	Population	Percent of MA pop.	Land area (sq mi)	Square Miles of Ground Mount Solar	Acres of Ground Mount Solar	% of town land needed for Ground Mount Solar
Falmouth	32,517	0.46%	44.1	0.43	277.39	0.98%
Raynham	15,142	0.22%	20.5	0.20	129.17	0.98%
Tisbury	4,815	0.07%	6.5	0.06	41.08	0.99%
Swansea	17,144	0.24%	23.1	0.23	146.25	0.99%
Concord	18,491	0.26%	24.9	0.25	157.74	0.99%
Groveland	6,752	0.10%	9.0	0.09	57.60	1.00%
Ludlow	21,002	0.30%	27.2	0.28	179.16	1.03%
Sudbury	18,934	0.27%	24.4	0.25	161.52	1.03%
Norfolk	11,662	0.17%	14.8	0.16	99.48	1.05%
Merrimac	6,723	0.10%	8.5	0.09	57.35	1.05%
Sharon	18,575	0.26%	23.3	0.25	158.46	1.06%
Holliston	14,996	0.21%	18.7	0.20	127.93	1.07%
Westford	24,643	0.35%	30.6	0.33	210.22	1.07%
Barnstable	48,916	0.70%	59.3	0.65	417.28	1.10%
Greenfield	17,768	0.25%	21.4	0.24	151.57	1.11%
East Bridgewater	14,440	0.21%	17.2	0.19	123.18	1.12%
Pembroke	18,361	0.26%	21.8	0.24	156.63	1.12%
Blackstone	9,208	0.13%	10.9	0.12	78.55	1.13%
Northborough	15,741	0.22%	18.5	0.21	134.28	1.13%
Seekonk	15,531	0.22%	18.2	0.21	132.49	1.14%
Cohasset	8,381	0.12%	9.8	0.11	71.50	1.14%
Northampton	29,571	0.42%	34.2	0.39	252.26	1.15%
Grafton	19,664	0.28%	22.7	0.26	167.75	1.15%
Southbridge	17,740	0.25%	20.2	0.24	151.33	1.17%
Millbury	13,831	0.20%	15.7	0.18	117.99	1.17%
Westfield	40,834	0.58%	46.3	0.54	348.34	1.18%
Easton	25,058	0.36%	28.4	0.33	213.76	1.18%
Medfield	12,799	0.18%	14.5	0.17	109.18	1.18%
Plainville	9,945	0.14%	11.0	0.13	84.84	1.21%
Marshfield	25,825	0.37%	28.5	0.34	220.30	1.21%
Bellingham	16,945	0.24%	18.5	0.23	144.55	1.22%
Wayland	13,943	0.20%	15.2	0.19	118.94	1.22%
Foxborough	18,618	0.26%	20.1	0.25	158.82	1.23%
Ayer	8,479	0.12%	9.0	0.11	72.33	1.26%

Municipality	Population	Percent of MA pop.	Land area (sq mi)	Square Miles of Ground Mount Solar	Acres of Ground Mount Solar	% of town land needed for Ground Mount Solar
Northbridge	16,335	0.23%	17.2	0.22	139.35	1.27%
Hanover	14,833	0.21%	15.6	0.20	126.54	1.27%
Gardner	21,287	0.30%	22.1	0.28	181.59	1.28%
Rockport	6,992	0.10%	7.0	0.09	59.65	1.33%
South Hadley	18,150	0.26%	17.7	0.24	154.83	1.37%
Yarmouth	25,023	0.36%	24.1	0.33	213.46	1.38%
Bridgewater	28,633	0.41%	27.5	0.38	244.26	1.39%
Bedford	14,383	0.20%	13.7	0.19	122.70	1.40%
Westborough	21,567	0.31%	20.5	0.29	183.98	1.40%
Scituate	19,063	0.27%	17.6	0.25	162.62	1.44%
Pittsfield	43,927	0.62%	40.5	0.59	374.73	1.45%
Avon	4,777	0.07%	4.4	0.06	40.75	1.45%
Hingham	24,284	0.35%	22.2	0.32	207.16	1.46%
Auburn	16,889	0.24%	15.4	0.23	144.07	1.46%
Gloucester	29,729	0.42%	26.2	0.40	253.61	1.51%
Medway	13,115	0.19%	11.5	0.17	111.88	1.52%
Hopedale	6,017	0.09%	5.2	0.08	51.33	1.54%
Mansfield	23,860	0.34%	20.5	0.32	203.54	1.55%
North Reading	15,554	0.22%	13.3	0.21	132.69	1.56%
North Andover	30,915	0.44%	26.3	0.41	263.72	1.57%
Andover	36,569	0.52%	31.0	0.49	311.96	1.57%
Acton	24,021	0.34%	20.0	0.32	204.91	1.60%
Franklin	32,261	0.46%	26.6	0.43	275.21	1.62%
Easthampton	16,211	0.23%	13.3	0.22	138.29	1.62%
Agawam	28,692	0.41%	23.3	0.38	244.76	1.64%
East Longmeadow	16,430	0.23%	13.0	0.22	140.16	1.68%
Taunton	59,408	0.84%	46.7	0.79	506.79	1.70%
Fairhaven	15,924	0.23%	12.4	0.21	135.84	1.71%
Walpole	26,383	0.38%	20.5	0.35	225.06	1.72%
Canton	24,370	0.35%	18.9	0.32	207.89	1.72%
Lynnfield	13,000	0.18%	9.9	0.17	110.90	1.75%
Wilmington	23,349	0.33%	17.1	0.31	199.18	1.82%
Amesbury	17,366	0.25%	12.3	0.23	148.14	1.88%
Webster	17,776	0.25%	12.5	0.24	151.64	1.90%

Municipality	Population	Percent of MA pop.	Land area (sq mi)	Square Miles of Ground Mount Solar	Acres of Ground Mount Solar	% of town land needed for Ground Mount Solar
Amherst	39,263	0.56%	27.6	0.52	334.94	1.90%
Westwood	16,266	0.23%	11.0	0.22	138.76	1.97%
Fitchburg	41,946	0.60%	27.8	0.56	357.83	2.01%
Tewksbury	31,342	0.45%	20.7	0.42	267.37	2.02%
Leominster	43,782	0.62%	28.9	0.58	373.49	2.02%
Ashland	18,832	0.27%	12.4	0.25	160.65	2.02%
Holbrook	11,405	0.16%	7.4	0.15	97.29	2.05%
Dracut	32,617	0.46%	20.9	0.43	278.24	2.08%
Chelmsford	36,392	0.52%	22.7	0.49	310.45	2.14%
Billerica	42,119	0.60%	25.9	0.56	359.30	2.17%
North Attleborough	30,834	0.44%	18.6	0.41	263.03	2.21%
West Springfield	28,835	0.41%	16.7	0.38	245.98	2.30%
Attleboro	46,461	0.66%	26.8	0.62	396.34	2.31%
Longmeadow	15,853	0.23%	9.1	0.21	135.24	2.32%
Hudson	20,092	0.29%	11.5	0.27	171.40	2.33%
Abington	17,062	0.24%	9.7	0.23	145.55	2.34%
Rockland	17,803	0.25%	10.0	0.24	151.87	2.37%
Holyoke	38,238	0.54%	21.2	0.51	326.19	2.40%
Stoughton	29,281	0.42%	16.0	0.39	249.79	2.44%
Shrewsbury	38,325	0.54%	20.7	0.51	326.94	2.47%
Marlborough	41,793	0.59%	20.9	0.56	356.52	2.67%
Haverhill	67,787	0.96%	33.0	0.90	578.27	2.74%
Maynard	10,746	0.15%	5.2	0.14	91.67	2.75%
Milford	30,379	0.43%	14.6	0.40	259.15	2.77%
Lexington	34,454	0.49%	16.4	0.46	293.91	2.80%
Danvers	28,087	0.40%	13.3	0.37	239.60	2.81%
Whitman	15,121	0.21%	7.0	0.20	128.99	2.88%
Milton	28,630	0.41%	13.0	0.38	244.23	2.94%
Newburyport	18,289	0.26%	8.3	0.24	156.02	2.94%
Burlington	26,377	0.38%	11.8	0.35	225.01	2.98%
Somerset	18,303	0.26%	8.1	0.24	156.14	3.01%
Methuen	53,039	0.75%	22.2	0.71	452.46	3.18%
Dedham	25,364	0.36%	10.5	0.34	216.37	3.22%
Chicopee	55,560	0.79%	22.9	0.74	473.96	3.23%

Municipality	Population	Percent of MA pop.	Land area (sq mi)	Square Miles of Ground Mount Solar	Acres of Ground Mount Solar	% of town land needed for Ground Mount Solar
Natick	37,006	0.53%	15.1	0.49	315.68	3.27%
Needham	32,091	0.46%	12.6	0.43	273.76	3.39%
Reading	25,518	0.36%	9.9	0.34	217.68	3.44%
Saugus	28,619	0.41%	10.8	0.38	244.14	3.53%
Clinton	15,428	0.22%	5.7	0.21	131.61	3.61%
Beverly	42,670	0.61%	15.1	0.57	364.00	3.77%
Braintree	39,143	0.56%	13.8	0.52	333.91	3.78%
Fall River	94,000	1.34%	33.1	1.25	801.88	3.79%
Framingham	72,362	1.03%	25.0	0.96	617.29	3.86%
Wellesley	29,550	0.42%	10.2	0.39	252.08	3.86%
Norwood	31,611	0.45%	10.5	0.42	269.66	4.01%
Woburn	40,876	0.58%	12.7	0.54	348.70	4.29%
Nahant	3,334	0.05%	1.0	0.04	28.44	4.44%
Peabody	54,481	0.77%	16.2	0.73	464.76	4.48%
Weymouth	57,437	0.82%	16.8	0.77	489.97	4.56%
Randolph	34,984	0.50%	10.1	0.47	298.44	4.62%
Hull	10,072	0.14%	2.8	0.13	85.92	4.79%
Wakefield	27,090	0.39%	7.5	0.36	231.10	4.81%
Stoneham	23,244	0.33%	6.2	0.31	198.29	5.00%
Winchester	22,970	0.33%	6.0	0.31	195.95	5.10%
Marblehead	20,441	0.29%	4.4	0.27	174.37	6.19%
Swampscott	15,111	0.21%	3.1	0.20	128.91	6.50%
Springfield	155,929	2.22%	31.9	2.08	1330.17	6.52%
Brockton	105,643	1.50%	21.3	1.41	901.20	6.61%
Newton	88,923	1.26%	17.8	1.19	758.57	6.66%
New Bedford	101,079	1.44%	20.0	1.35	862.27	6.74%
Waltham	65,218	0.93%	12.7	0.87	556.35	6.84%
Salem	44,480	0.63%	8.3	0.59	379.44	7.14%
Worcester	206,518	2.94%	37.4	2.75	1761.73	7.36%
Belmont	27,295	0.39%	4.7	0.36	232.84	7.74%
Quincy	101,636	1.45%	16.6	1.35	867.02	8.16%
Melrose	29,817	0.42%	4.7	0.40	254.36	8.46%
Medford	59,659	0.85%	8.1	0.80	508.93	9.82%
Lowell	115,554	1.64%	13.6	1.54	985.75	11.33%

Municipality	Population	Percent of MA pop.	Land area (sq mi)	Square Miles of Ground Mount Solar	Acres of Ground Mount Solar	% of town land needed for Ground Mount Solar
Watertown	35,329	0.50%	4.0	0.47	301.38	11.77%
Arlington	46,308	0.66%	5.0	0.62	395.04	12.34%
Brookline	63,191	0.90%	6.8	0.84	539.06	12.39%
Lynn	101,253	1.44%	10.7	1.35	863.75	12.61%
Winthrop	19,316	0.27%	2.0	0.26	164.78	12.87%
Revere	62,186	0.88%	5.7	0.83	530.49	14.54%
Lawrence	89,143	1.27%	6.9	1.19	760.45	17.22%
Malden	66,263	0.94%	5.0	0.88	565.27	17.66%
Boston	675,647	9.61%	48.3	9.01	5763.70	18.65%
Everett	49,075	0.70%	3.4	0.65	418.64	19.24%
Cambridge	118,403	1.68%	6.4	1.58	1010.05	24.66%
Chelsea	40,787	0.58%	2.2	0.54	347.94	24.71%
Somerville	81,045	1.15%	4.1	1.08	691.37	26.35%