

Demand for Utility-Scale Solar Fields

Revised (run #4.1)

	A	A.1	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Jurisdiction	USS_21	USS_CB_25	USS_25	MW(USS)_2025	MW(TOT)_2025	% USS_MW	% ChesBay	Acres/MW	MW_2030	MW_2035	MW_2040	SOL_25	RSOL30	RSOL35	RSOL40	Total
DE	215	437	437	95	352	27%	100%	6.14	648	449	651	222	1,078	747	1,082	3,130
DC	0	31	31	15	350	4%	100%	2.75	298	291	422	31	36	35	50	152
MD	2,685	4,894	4,894	903	3,200	28%	100%	5.42	2,600	2,604	3,774	2,209	3,976	3,983	5,771	15,940
NY	1,884	4,488	12,705	2,702	8,200	33%	38%	6.30	12,400	9,250	13,404	2,604	9,659	7,206	10,441	29,910
PA	884	3,168	3,827	999	3,200	31%	68%	5.14	5,100	3,727	5,401	2,284	5,555	4,059	5,882	17,780
VA	5,864	14,189	21,868	4,699	7,800	60%	68%	6.24	9,100	7,589	10,996	8,326	23,228	19,370	28,068	78,992
WV	-	351	423	253	383	66%	61%	2.24	1,517	853	1,236	351	1,367	769	1,114	3,601
Source:	2021/22 High-res LULC	USGS-LBL & MDA database		USGS-LBL & MDA database	SEIA	C/D		B/C	SEIA	$((D+H)*(1.077)^5) - (D+H)$	$((D+H)*(1.077)^{10}) - (D+H+I)$	A.1-A	(E*F*G*H)	(E*F*G*I)	(E*F*G*J)	K+L+M+N

A. Values include both solar impervious and pervious surfaces.

A.1. Values exclude counties outside the watershed region.

F. Value accounts for missing data point outside the watershed region.

K. All “burn in” acres decreased except in DC.

Original (run #4)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Jurisdiction	USS_21	USS_25	MW(USS)_2025	MW(TOT)_2025	% USS_MW	% ChesBay	Acres/MW	MW_2030	MW_2035	MW_2040	SOL_25	RSOL30	RSOL35	RSOL40	Total
DE	142	437	95	352	27%	100%	6.14	648	449	651	295	1,078	747	1,082	3,203
DC	0	31	15	350	4%	100%	2.75	298	291	422	31	36	35	50	152
MD	1,557	4,759	871	3,200	27%	100%	5.47	2,600	2,604	3,774	3,202	3,867	3,874	5,613	16,556
NY	1,307	12,705	2,702	8,200	33%	38%	6.30	12,400	9,250	13,404	11,398	9,659	7,206	10,441	38,704
PA	619	3,827	999	3,200	31%	68%	5.14	5,100	3,727	5,401	3,208	5,555	4,059	5,882	18,704
VA	4,993	21,868	4,699	7,800	60%	68%	6.24	9,100	7,589	10,996	16,875	23,228	19,370	28,068	87,542
WV	-	423	140	383	37%	87%	4.03	1,517	853	1,236	423	1,961	1,103	1,598	5,084
Source:	2021/22 High-res LULC	USGS-LBL & MDA database	USGS-LBL & MDA database	SEIA	C/D		B/C	SEIA	$((D+H)*(1.077)^5) - (D+H)$	$((D+H)*(1.077)^{10}) - (D+H+I)$	B-A	(E*F*G*H)	(E*F*G*I)	(E*F*G*J)	K+L+M+N