

## PJM Interconnection Queue Summary Data Table by State for Clean Energy Projects (2016-2021)

Among clean energy projects active in the PJM Interconnection Queue waiting for an interconnection or construction service agreement, **758 have been in the Queue for more than 500 days, 497 for more than 2 years, 166 for more than 3 years, and 56 for more than 4 years.**

State	Project type	Projects active in Queue				Projects withdrawn from Queue			
		Project count	MW	Jobs potential	Homes powered potential	Project count	MW	Lost # jobs potential	Lost # homes powered potential
Delaware	Solar	15	567	1,871	107,730	16	423	1,396	80,370
	Wind	4	3,929	20,588	1,194,416	0	0	0	0
	Offshore wind	10	4,695	81,177	1,427,280	1	152	2,628	46,208
	Hybrid	1	120	396	22,800	0	0	0	0
	Storage	5	301	3,010	90,300	0	0	0	0
	<b>TOTAL</b>		35	9,612	107,042	2,842,526	17	575	4,024
Illinois	Solar	75	14,850	49,005	2,821,500	44	3,896	12,857	740,240
	Wind	45	10,917	57,205	3,318,768	17	3,106	16,275	944,224
	Offshore Wind	0	0	0	0	0	0	0	0
	Hybrid	13	3,340	11,022	634,600	5	630	2,079	119,700
	Storage	44	10,121	101,210	3,036,300	14	1,128	11,280	0
	<b>TOTAL</b>		177	39,228	218,442	9,811,168	80	8,760	42,491
Indiana	Solar	106	21,859	72,135	4,153,210	24	3,503	11,560	665,570
	Wind	12	2,432	12,744	739,328	14	3,677	19,267	1,117,808
	Offshore Wind	0	0	0	0	0	0	0	0
	Hybrid	21	3,624	11,959	688,560	5	2,752	9,082	522,880
	Storage	47	8,143	81,430	2,442,900	9	1,302	13,020	0
	<b>TOTAL</b>		186	36,058	178,268	8,023,998	52	11,234	52,929

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Kentucky	Solar	77	8,507	28,073	1,616,330	23	1,260	4,158	239,400
	Wind	0	0	0	0	0	0	0	0
	Offshore Wind	0	0	0	0	0	0	0	0
	Hybrid	28	2,893	9,547	549,670	8	1,004	3,313	190,760
	Storage	9	1,663	16,630	498,900	3	104	1,040	0
	<b>TOTAL</b>	114	13,063	54,250	2,664,900	34	2,368	8,511	430,160
Maryland	Solar	42	2,021	6,669	383,990	80	1,752	5,782	332,880
	Wind	0	0	0	0	0	0	0	0
	Offshore Wind	0	0	0	0	1	160	2,766	48,640
	Hybrid	7	1,736	5,729	329,840	3	155	512	29,450
	Storage	18	2,042	20,420	612,600	12	494	4,940	0
	<b>TOTAL</b>	67	5,799	32,818	1,326,430	96	2,561	14,000	410,970
Michigan	Solar	13	1,445	4,769	274,550	2	200	660	38,000
	Wind	0	0	0	0	0	0	0	0
	Offshore Wind	0	0	0	0	0	0	0	0
	Hybrid	2	500	1,650	95,000	2	349	1,152	66,310
	Storage	3	252	2,520	75,600	1	225	2,250	0
	<b>TOTAL</b>	18	2,197	8,939	445,150	5	774	4,062	104,310
North Carolina	Solar	46	7,122	23,503	1,353,180	44	3,150	10,395	598,500
	Wind	0	0	0	0	0	0	0	0
	Offshore Wind	0	0	0	0	0	0	0	0
	Hybrid	3	140	462	26,600	10	685	2,261	130,150
	Storage	12	2,525	25,250	757,500	5	229	2,290	0
	<b>TOTAL</b>	61	9,787	49,215	2,137,280	59	4,064	14,946	728,650

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New Jersey	Solar	57	1,195	3,944	227,050	108	891	2,940	169,290
	Wind	2	4,842	25,372	1,471,968	1	800	4,192	243,200
	Offshore Wind	11	8,595	148,608	2,612,880	1	445	7,694	135,280
	Hybrid	9	393	1,297	74,670	12	44	145	8,360
	Storage	52	3,556	35,560	1,066,800	25	582	5,820	0
	<b>TOTAL</b>		131	18,581	214,780	5,453,368	147	2,762	20,792
Ohio	Solar	233	29,707	98,033	5,644,330	96	8,012	26,440	1,522,280
	Wind	5	1,508	7,902	458,432	9	2,268	11,884	689,472
	Offshore Wind	0	0	0	0	0	0	0	0
	Hybrid	39	5,716	18,863	1,086,040	1	90	297	17,100
	Storage	54	12,253	122,530	3,675,900	12	2,192	21,920	0
	<b>TOTAL</b>		331	49,184	247,328	10,864,702	118	12,562	60,541
Pennsylvania	Solar	360	13,617	44,936	2,587,230	139	5,353	17,665	1,017,070
	Wind	5	590	3,092	179,360	10	1,162	6,089	353,248
	Offshore Wind	0	0	0	0	0	0	0	0
	Hybrid	53	3,135	10,346	595,650	11	900	2,970	171,000
	Storage	54	8,535	85,350	2,560,500	23	1,874	18,740	0
	<b>TOTAL</b>		472	25,877	143,723	5,922,740	183	9,289	45,464
Tennessee	Solar	0	0	0	0	0	0	0	0
	Wind	0	0	0	0	0	0	0	0
	Offshore Wind	0	0	0	0	0	0	0	0
	Hybrid	2	156	515	29,640	0	0	0	0
	Storage	0	0	0	0	0	0	0	0
	<b>TOTAL</b>		2	156	515	29,640	0	0	0

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Virginia	Solar	332	32,043	105,742	6,088,170	183	11,810	38,973	2,243,900
	Wind	3	349	1,829	106,096	4	554	2,903	168,416
	Offshore Wind	6	5,040	87,142	1,532,160	4	2,416	41,773	734,464
	Hybrid	82	8,435	27,836	1,602,650	13	1,355	4,472	257,450
	Storage	203	22,436	224,360	6,730,800	24	2,164	21,640	0
	<b>TOTAL</b>		626	68,303	446,908	16,059,876	228	18,299	109,760
West Virginia	Solar	34	3,143	10,372	597,170	4	110	363	20,900
	Wind	3	769	4,030	233,776	2	180	943	54,720
	Offshore Wind	0	0	0	0	0	0	0	0
	Hybrid	18	3,959	13,065	752,210	0	0	0	0
	Storage	9	2,321	23,210	696,300	3	365	3,650	0
	<b>TOTAL</b>		64	10,192	50,676	2,279,456	9	655	4,956
N/A	Solar	8	217	716	41,230	17	1,282	4,231	243,580
	Wind	0	0	0	0	3	2,056	10,773	625,024
	Offshore Wind	0	0	0	0	0	0	0	0
	Hybrid	1	5	17	950	0	0	0	0
	Storage	3	350	3,500	105,000	5	204	2,040	0
	<b>TOTAL</b>		12	572	4,233	147,180	25	3,542	17,044
PJM total	Solar	1,398	136,293	449,767	25,895,670	780	41,642	137,419	7,911,980
	Wind	79	25,336	132,761	7,702,144	60	13,803	72,328	4,196,112
	Offshore Wind	27	18,330	316,926	5,572,320	7	3,173	54,861	964,592
	Hybrid	279	34,152	112,702	6,488,880	70	7,964	26,281	4,993,428
	Storage	513	74,498	744,980	22,349,400	136	10,863	108,630	0
	<b>TOTAL</b>		2,296	288,609	1,757,135	68,008,414	1,053	77,445	399,519

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**Notes on data, jobs and homes multipliers, and sources**

PJM Interconnection Queue source data as of Nov. 10, 2021: <https://www.pjm.com/planning/services-requests/interconnection-queues.aspx>

Counts of active and withdrawn projects include projects from all phases

Project megawatts are "Maximum Facility Output" via the PJM Queue data

Hybrid projects are solar plus storage resources; jobs and homes per MW estimates for hybrid use the utility scale solar multipliers noted below

Utility-scale solar job creation = ave. 3.3 direct jobs per MW, via the Solar Foundation: <https://resources.solarbusinesshub.com/images/reports/206.pdf>

Wind project job creation = ave. 5.24 (onshore) and 17.29 (offshore) direct & indirect FTE job years over 25 years

via Global Wind Energy Council: <https://gwec.net/wp-content/uploads/2021/04/Jobs-Note-April-2021-2.pdf>

Battery storage project job creation = ave. 10 jobs direct and indirect jobs/MW, via CESA: <https://bit.ly/3Defg2P>

Homes powered by utility-scale solar = 190 homes/MW via SEIA: <https://www.seia.org/initiatives/whats-megawatt>

Homes powered by wind = 304 homes/MW, via American Clean Power Association: <https://cleanpower.org/news/awea-wind-energy-now-top-source-of-renewable-electricity/>

Homes powered by battery storage = 300 homes/MW via EESI: <https://www.eesi.org/papers/view/energy-storage-2019>

Average days in queue for completed projects calculated from date projects enter Queue until 'actual service date.' Empty cells = insufficient data to calculate an average.