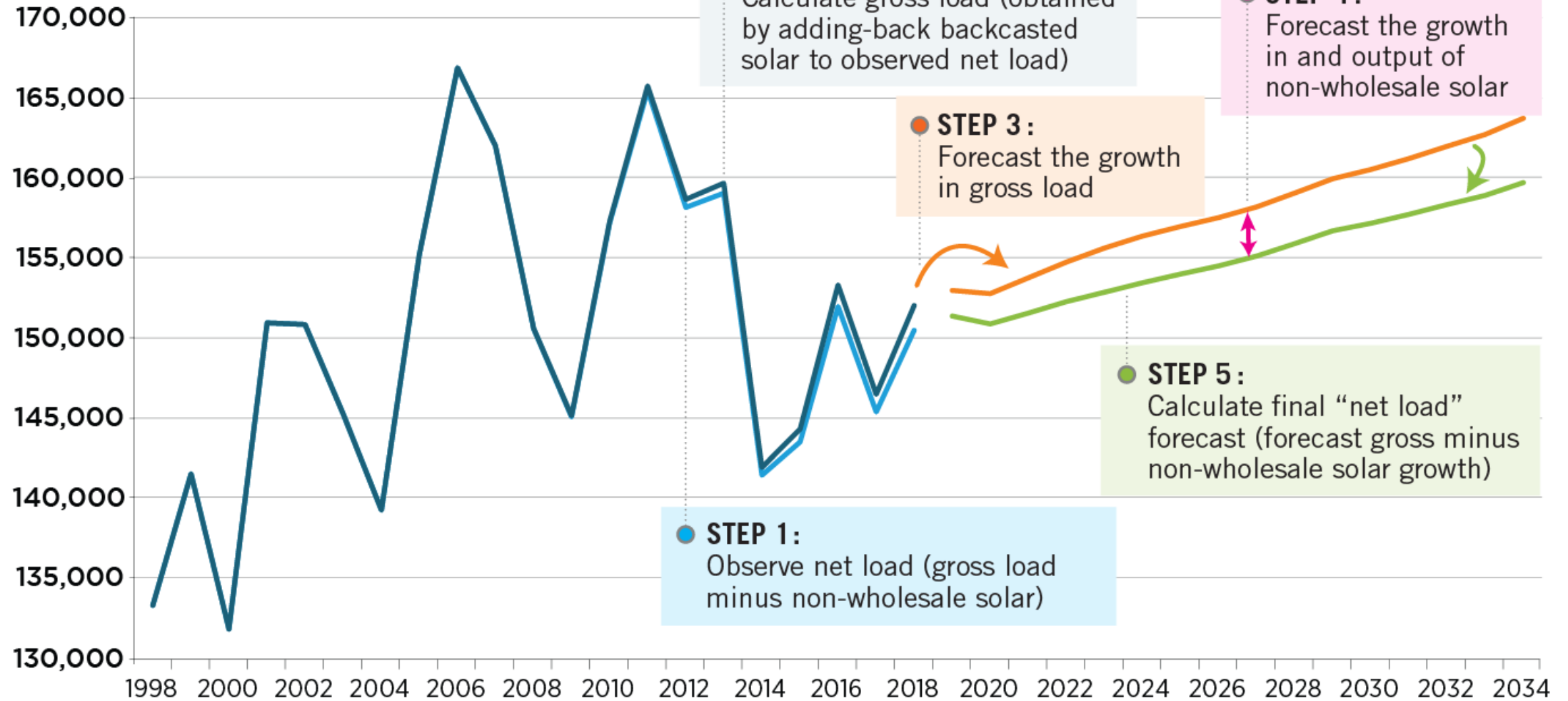


# Distributed Solar and Battery Generation Update

Load Analysis Subcommittee  
November 29, 2022

Molly Mooney  
Resource Adequacy Planning

Capacity (MW)



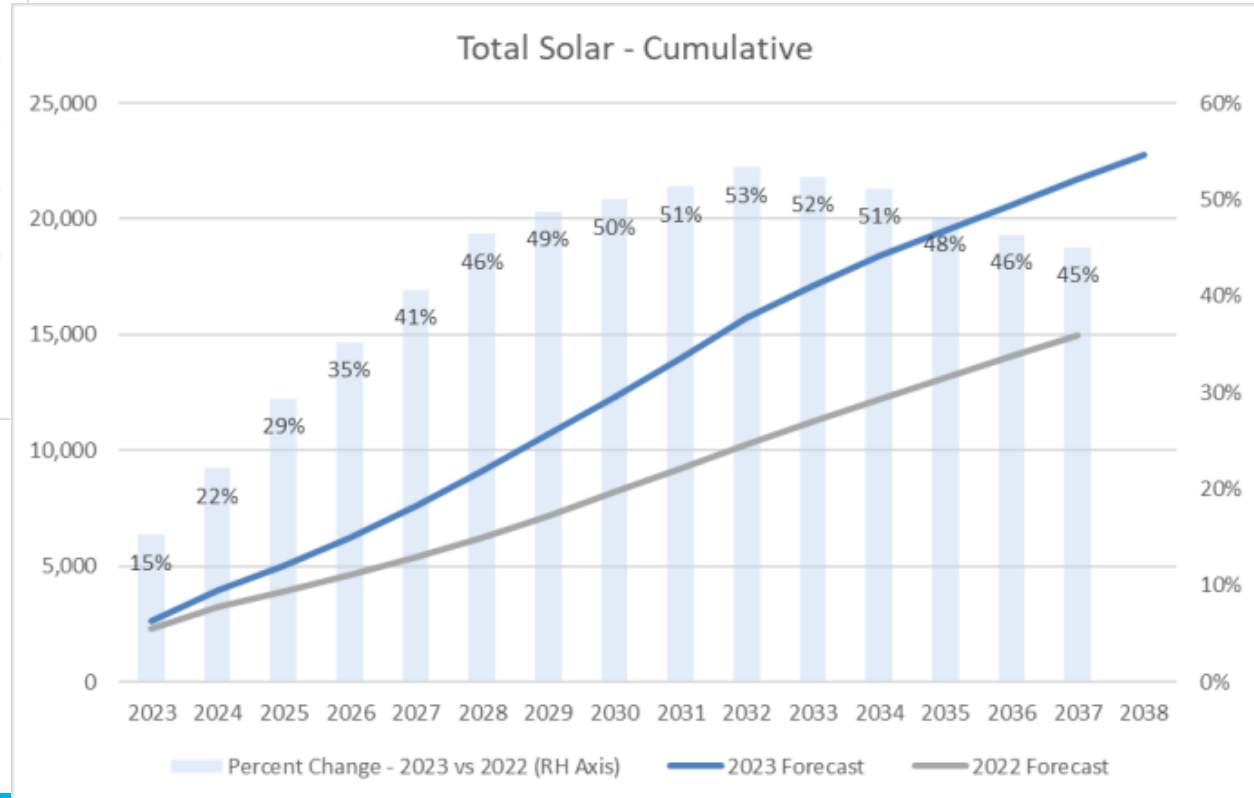
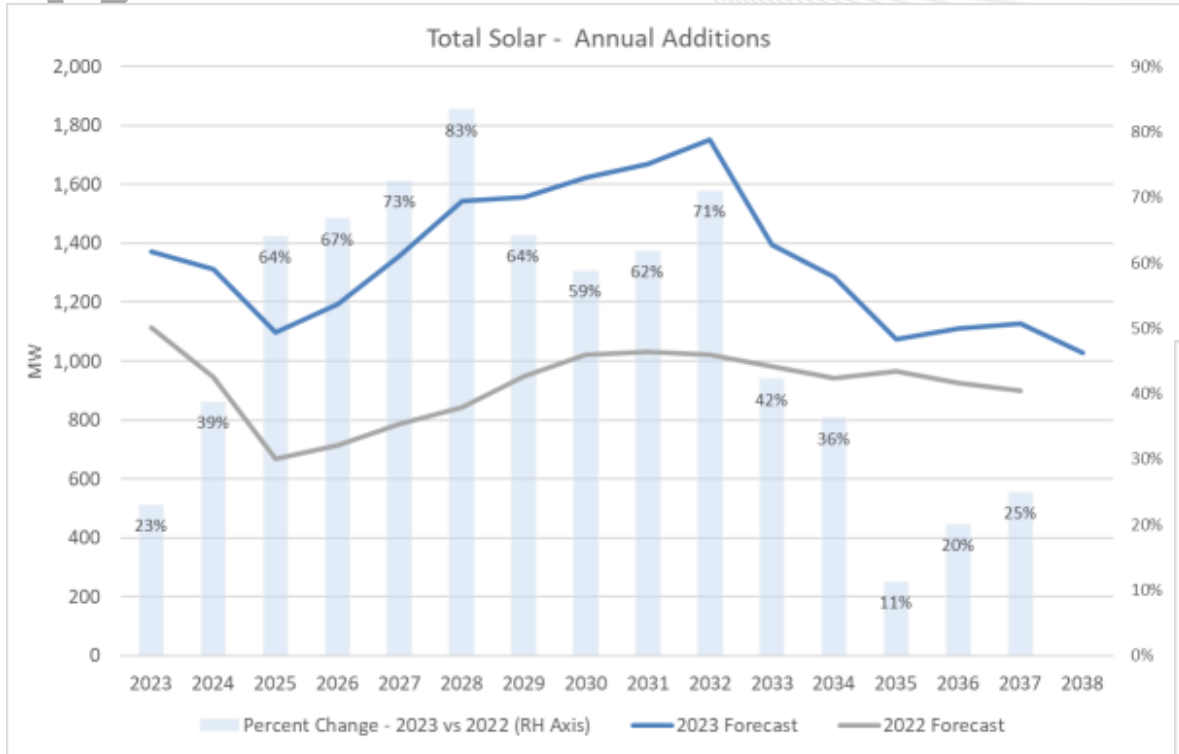


# Historical GATS Installations

## Historical Nameplate Capacity of Distributed Solar Generation (MW - AC)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
AE						0.1	0.4	1.6	4.3	5.6	11.8	24.7	45.1	96.7	129.3	154.4	186.3	220.3	287.5	335.8	403.8	455.3	510.0	558.1	574.2
AEP					0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	13.5	17.3	23.1	29.1	35.6	39.3	44.7	45.8	67.8	74.9	82.2	143.9	187.1
APS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.0	5.1	11.4	16.5	20.6	30.3	55.6	97.6	128.0	128.0	138.6	150.2	185.5	200.2
ATSI					0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.5	5.3	19.1	36.5	44.3	47.9	53.2	59.6	89.2	93.8	101.4	112.0	126.9	130.6
BGE						0.0	0.0	0.0	0.0	0.1	1.6	3.5	8.9	23.0	40.0	53.8	78.7	162.1	259.2	296.3	325.7	377.8	429.1	474.6	484.7
COMED	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.9	1.3	24.0	25.0	25.9	28.3	33.2	43.8	50.4	101.3	263.3	519.3	607.4
DAYTON										0.0	0.0	0.1	0.5	2.2	8.9	11.1	12.6	17.0	17.5	17.5	23.9	39.1	39.1	39.3	38.3
DPL		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	2.2	4.8	8.0	33.4	61.7	83.3	98.3	128.7	159.6	182.6	213.5	239.8	273.9	283.9	296.0
DQE							0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	3.6	4.1	4.3	4.8	6.6	16.1	19.3	21.0	22.8	32.1	35.6
DUKE		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.6	1.7	6.1	11.4	11.9	13.3	15.3	15.8	15.9	24.4	24.9	24.1	24.7	22.6
EKPC										0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.5	0.6	11.1	11.0	11.0	11.0	10.9	10.8
JCPL			0.0	0.0	0.1	0.9	1.8	5.4	11.4	15.4	24.1	37.2	66.4	161.9	236.2	298.7	355.3	408.3	486.3	519.1	594.7	695.9	772.4	823.4	862.2
METED			0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	1.5	13.2	32.7	35.2	35.9	36.9	38.4	42.8	51.2	54.6	65.2	74.2	95.8	105.1
PECO	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.5	0.6	0.9	3.5	15.5	33.5	44.0	48.7	49.5	51.3	64.7	77.2	83.6	92.2	108.3	122.9	126.7
PENLC			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.3	4.0	4.5	5.0	5.5	5.7	6.8	7.1	7.6	8.8	11.0	15.1	17.9
PEPCO						0.0	0.0	0.0	0.1	0.2	0.5	3.4	6.5	13.6	27.9	41.2	60.6	116.3	209.4	260.6	303.5	346.2	434.5	497.5	530.8
PL								0.0	0.0	0.1	0.2	2.5	29.0	67.3	77.1	80.2	82.4	93.7	107.5	120.1	134.5	147.7	170.7	200.5	217.5
PS			0.0	0.3	0.5	0.6	1.1	4.7	14.4	21.4	32.4	65.4	115.7	264.0	414.8	507.7	547.5	598.2	692.8	756.6	895.6	989.7	1,119.1	1,294.3	1,376.5
RECO			0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.9	1.0	1.6	2.1	5.0	11.0	12.2	12.5	12.9	13.8	14.8	16.1	18.4	26.5	29.2	30.0
UGI											0.0	0.1	0.2	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.4	0.5	0.5	0.6	0.6
VEPCO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.6	2.9	4.5	11.3	25.5	109.7	269.1	543.1	566.5	708.7	805.3	992.3	1,147.8	1,192.5
<b>PJM RTO</b>	<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>0.5</b>	<b>0.9</b>	<b>2.1</b>	<b>3.9</b>	<b>12.7</b>	<b>31.7</b>	<b>45.8</b>	<b>76.4</b>	<b>152.1</b>	<b>342.5</b>	<b>798.3</b>	<b>1217.7</b>	<b>1493.4</b>	<b>1793.8</b>	<b>2319.3</b>	<b>3149.5</b>	<b>3555.6</b>	<b>4161.0</b>	<b>4755.0</b>	<b>5627.1</b>	<b>6626.5</b>	<b>7047.2</b>

Note: All years except for 2022 are based on calendar year, 2022 is through 8/31/2022



## Distributed Solar Generation Forecast by State IHS Scenario 2 PJM Region Only Annual Additions of Nameplate Capacity

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
AE	31.6	37.2	46.0	47.3	50.9	55.2	52.7	55.7	59.4	62.1	51.6	43.3	37.3	35.8	35.0	32.2
AEP	140.7	92.9	44.8	51.5	54.3	59.9	65.0	69.7	58.2	58.1	45.7	49.0	51.4	53.1	56.4	57.6
APS	51.3	45.0	36.2	43.6	53.9	61.2	60.9	61.5	67.3	71.0	52.0	55.2	49.9	54.1	53.6	51.3
ATSI	124.3	70.1	23.6	26.6	27.3	29.8	31.0	32.0	28.9	27.6	21.9	22.8	25.1	25.7	27.2	25.9
BGE	79.7	85.8	83.5	102.6	120.3	142.9	134.0	127.7	149.5	163.2	125.8	128.8	111.3	126.8	125.2	108.3
COMED	254.7	279.0	203.1	214.9	256.5	319.7	331.1	341.7	344.0	344.0	272.9	231.5	175.6	169.4	177.3	158.7
DAYTON	33.1	18.4	5.9	6.6	6.6	7.2	7.5	7.7	6.8	6.4	5.2	5.4	6.1	6.2	6.7	6.4
DPL	42.8	72.3	72.2	72.3	84.2	93.5	96.6	100.1	134.4	156.9	150.9	121.6	60.0	63.8	63.3	60.4
DQE	16.4	11.1	6.8	7.7	10.5	11.2	11.7	12.3	13.2	13.6	9.3	10.1	9.4	10.0	9.9	9.2
DUKE	44.9	25.6	8.5	9.8	9.9	11.1	11.8	12.7	10.9	10.5	8.3	9.0	10.2	10.5	11.6	11.1
EKPC	1.6	1.9	1.4	2.2	2.5	3.5	4.2	5.7	4.4	4.7	3.0	4.1	4.8	5.1	6.3	6.1
JCPL	72.4	85.5	106.1	109.6	118.1	128.0	122.3	129.4	138.1	144.5	120.2	101.0	87.2	83.7	82.0	75.5
METED	19.1	12.9	7.9	8.9	12.1	13.0	13.6	14.3	15.3	15.8	10.8	11.8	11.0	11.7	11.6	10.8
PECO	48.8	32.9	20.0	22.6	30.5	32.7	34.1	35.8	38.3	39.3	26.9	29.3	27.3	28.9	28.8	26.7
PENLC	20.8	14.0	8.5	9.6	13.0	13.9	14.5	15.2	16.3	16.8	11.4	12.5	11.6	12.3	12.2	11.3
PEPCO	81.0	88.6	85.0	88.7	94.9	110.8	111.4	110.4	124.3	136.9	92.4	89.9	83.3	95.7	95.0	76.2
PL	49.1	33.2	20.3	23.0	31.1	33.4	35.0	36.8	39.4	40.6	27.8	30.4	28.3	30.0	29.9	27.8
PS	141.8	167.9	209.1	216.3	233.4	253.1	241.8	255.7	272.9	285.4	237.2	199.4	171.9	164.9	161.4	148.7
RECO	4.7	5.5	6.8	7.0	7.5	8.1	7.7	8.1	8.7	9.0	7.5	6.3	5.4	5.2	5.0	4.6
UGI	1.3	0.9	0.5	0.6	0.8	0.8	0.9	0.9	1.0	1.0	0.7	0.7	0.7	0.7	0.7	0.7
VEPCO	111.7	132.0	100.3	122.9	139.6	156.1	169.6	188.9	136.6	143.1	114.6	123.8	106.5	117.4	126.9	118.9
<b>PJM RTO</b>	<b>1,371.7</b>	<b>1,312.5</b>	<b>1,096.7</b>	<b>1,194.4</b>	<b>1,357.8</b>	<b>1,545.0</b>	<b>1,557.4</b>	<b>1,622.4</b>	<b>1,667.7</b>	<b>1,750.3</b>	<b>1,395.9</b>	<b>1,285.8</b>	<b>1,074.2</b>	<b>1,110.9</b>	<b>1,126.1</b>	<b>1,028.1</b>

## Distributed Solar Generation Forecast of Additions by State Comparison of 2023 and 2022 Forecast

	2023 Forecast (Scenario 2)				2022 Forecast (Scenario 2)				Percent Change			
	2023	2024	2025	2026	2023	2024	2025	2026	2023	2024	2025	2026
DC	31.5	35.5	33.5	25.8	30.2	30.7	24.4	13.2	4%	16%	37%	95%
DE	28.3	56.7	57.2	54.1	12.9	14.8	11.1	11.8	120%	284%	415%	359%
IL	254.7	279.0	203.1	214.9	223.8	201.0	151.1	121.4	14%	39%	34%	77%
IN	4.3	4.6	5.5	6.8	6.5	5.0	4.2	3.8	-34%	-9%	32%	80%
KY	2.8	3.5	2.6	4.0	2.1	2.0	1.4	2.8	35%	76%	80%	42%
MD	162.6	174.8	170.1	208.5	150.7	124.6	78.9	69.2	8%	40%	116%	201%
MI	1.4	1.5	2.2	1.3	1.3	1.2	1.0	0.7	7%	23%	119%	81%
NC	8.1	6.8	5.1	4.7	6.9	5.1	3.0	1.4	17%	33%	70%	233%
NJ	250.5	296.1	368.0	380.2	263.3	252.8	217.6	178.7	-5%	17%	69%	113%
OH	312.1	174.4	56.0	63.0	159.9	111.3	44.7	41.8	95%	57%	25%	51%
PA	188.1	127.1	77.7	87.7	92.8	80.9	61.4	55.8	103%	57%	27%	57%
TN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
VA	125.4	150.4	113.3	139.5	152.7	104.6	57.9	130.5	-18%	44%	96%	7%
WV	1.8	2.3	2.4	3.7	12.1	11.8	11.7	84.8	-85%	-80%	-79%	-96%
<b>Total</b>	<b>1,371.7</b>	<b>1,312.5</b>	<b>1,096.7</b>	<b>1,194.4</b>	<b>1,115.1</b>	<b>945.8</b>	<b>668.4</b>	<b>715.9</b>	<b>23%</b>	<b>39%</b>	<b>64%</b>	<b>67%</b>



## Distributed Solar Generation Forecast by Zone Cumulative Additions of Nameplate Capacity

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
AE	31.6	68.8	114.8	162.2	213.1	268.3	321.0	376.7	436.1	498.2	549.8	593.1	630.4	666.2	701.3	733.4
AEP	140.7	233.7	278.5	330.0	384.3	444.1	509.1	578.8	637.0	695.1	740.7	789.7	841.1	894.2	950.7	1,008.3
APS	51.3	96.3	132.5	176.1	230.0	291.2	352.1	413.6	480.9	551.9	603.9	659.1	709.0	763.1	816.7	868.0
ATSI	124.3	194.4	218.0	244.6	271.8	301.6	332.6	364.6	393.5	421.0	442.9	465.7	490.8	516.5	543.7	569.6
BGE	79.7	165.5	249.0	351.7	471.9	614.8	748.7	876.5	1,026.0	1,189.1	1,315.0	1,443.8	1,555.1	1,681.9	1,807.1	1,915.4
COMED	254.7	533.6	736.7	951.7	1,208.2	1,527.9	1,859.0	2,200.7	2,544.7	2,888.6	3,161.5	3,393.0	3,568.6	3,737.9	3,915.2	4,074.0
DAYTON	33.1	51.5	57.4	64.0	70.6	77.8	85.2	92.9	99.7	106.0	111.2	116.6	122.7	128.9	135.6	141.9
DPL	42.8	115.1	187.2	259.6	343.8	437.3	533.9	634.0	768.4	925.4	1,076.3	1,197.9	1,257.9	1,321.7	1,385.0	1,445.4
DQE	16.4	27.5	34.3	42.0	52.5	63.7	75.4	87.8	100.9	114.5	123.7	133.9	143.3	153.2	163.1	172.3
DUKE	44.9	70.5	79.0	88.9	98.7	109.8	121.6	134.3	145.3	155.8	164.1	173.1	183.3	193.8	205.4	216.6
EKPC	1.6	3.5	4.9	7.1	9.6	13.0	17.3	23.0	27.4	32.1	35.2	39.3	44.1	49.1	55.5	61.6
JCPL	72.4	157.9	264.0	373.6	491.7	619.7	742.0	871.4	1,009.5	1,154.0	1,274.1	1,375.2	1,462.3	1,546.0	1,628.0	1,703.5
METED	19.1	32.0	39.9	48.8	60.9	73.9	87.5	101.7	117.0	132.8	143.6	155.4	166.4	178.0	189.6	200.4
PECO	48.8	81.6	101.7	124.2	154.7	187.4	221.5	257.2	295.5	334.9	361.7	391.1	418.4	447.3	476.0	502.7
PENLC	20.8	34.8	43.3	52.9	65.9	79.9	94.4	109.6	125.9	142.7	154.1	166.6	178.2	190.5	202.6	213.9
PEPCO	81.0	169.5	254.6	343.3	438.2	549.0	660.4	770.8	895.1	1,032.0	1,124.4	1,214.3	1,297.6	1,393.3	1,488.3	1,564.5
PL	49.1	82.3	102.6	125.6	156.7	190.1	225.0	261.8	301.2	341.8	369.6	399.9	428.2	458.2	488.1	515.8
PS	141.8	309.7	518.8	735.1	968.5	1,221.6	1,463.3	1,719.1	1,991.9	2,277.3	2,514.6	2,714.0	2,885.9	3,050.8	3,212.2	3,360.9
RECO	4.7	10.2	17.0	24.0	31.5	39.6	47.3	55.4	64.1	73.1	80.6	86.9	92.3	97.5	102.5	107.2
UGI	1.3	2.1	2.6	3.2	4.0	4.8	5.7	6.6	7.6	8.6	9.3	10.0	10.7	11.4	12.2	12.8
VEPCO	111.7	243.8	344.0	466.9	606.5	762.6	932.2	1,121.1	1,257.7	1,400.8	1,515.4	1,639.2	1,745.6	1,863.0	1,989.9	2,108.8
<b>PJM RTO</b>	<b>1,371.7</b>	<b>2,684.2</b>	<b>3,780.9</b>	<b>4,975.3</b>	<b>6,333.0</b>	<b>7,878.1</b>	<b>9,435.5</b>	<b>11,057.9</b>	<b>12,725.5</b>	<b>14,475.9</b>	<b>15,871.8</b>	<b>17,157.6</b>	<b>18,231.8</b>	<b>19,342.8</b>	<b>20,468.9</b>	<b>21,497.0</b>



# Historical and IHS Nameplate Capacity

## Distributed Solar Generation Forecast by Zone Cumulative Nameplate Capacity

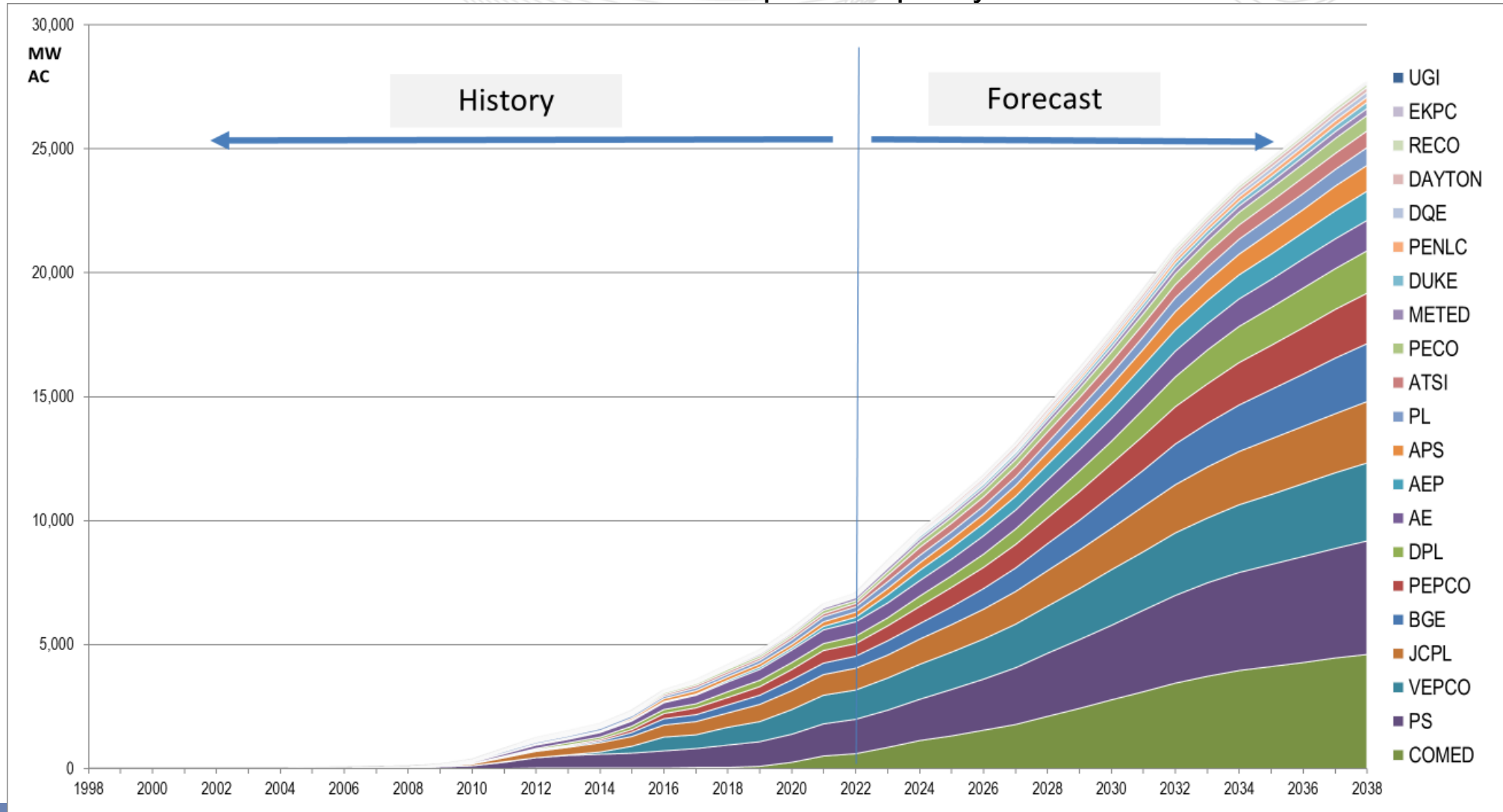
Includes Historical Degraded Values and IHS Forecast

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
AE	601.2	633.8	675.3	718.2	764.7	815.5	863.8	915.2	970.3	1,028.0	1,075.4	1,114.5	1,147.7	1,179.3	1,210.2	1,238.3
AEP	326.3	417.8	461.1	511.1	564.0	622.4	686.0	754.3	811.0	867.7	912.0	959.6	1,009.6	1,061.4	1,116.5	1,172.8
APS	249.9	293.3	327.9	369.9	422.3	482.0	541.4	601.3	667.2	736.7	787.2	840.9	889.4	942.0	994.2	1,044.0
ATSI	253.8	322.9	345.5	371.0	397.3	426.0	456.0	487.0	514.9	541.5	562.4	584.3	608.4	633.2	659.4	684.4
BGE	560.6	642.5	722.2	821.1	937.6	1,076.7	1,207.0	1,331.1	1,476.9	1,636.5	1,758.7	1,884.0	1,991.8	2,115.1	2,236.8	2,341.7
COMED	857.2	1,131.3	1,329.7	1,539.8	1,791.7	2,106.7	2,433.2	2,770.3	3,109.7	3,449.1	3,717.5	3,944.6	4,115.7	4,280.7	4,453.7	4,608.1
DAYTON	71.1	89.2	94.8	101.1	107.4	114.3	121.4	128.8	135.3	141.4	146.3	151.4	157.2	163.2	169.5	175.6
DPL	336.4	406.3	476.1	546.2	628.1	719.3	813.7	911.5	1,043.7	1,198.5	1,347.2	1,466.6	1,524.5	1,586.2	1,647.4	1,705.6
DQE	51.7	62.5	69.1	76.5	86.7	97.7	109.1	121.2	134.1	147.4	156.4	166.2	175.4	185.1	194.7	203.7
DUKE	67.3	92.7	101.1	110.7	120.4	131.3	143.0	155.5	166.3	176.6	184.8	193.6	203.6	214.0	225.5	236.4
EKPC	12.3	14.1	15.4	17.5	20.0	23.4	27.5	33.1	37.5	42.1	45.1	49.1	53.8	58.8	65.1	71.1
JCPL	927.7	1,006.3	1,105.6	1,208.5	1,319.9	1,441.3	1,557.0	1,679.9	1,811.5	1,949.6	2,063.4	2,158.1	2,239.0	2,316.5	2,392.3	2,461.7
METED	123.3	135.4	142.5	150.6	161.8	174.0	186.8	200.3	214.8	229.8	239.8	250.8	261.0	271.9	282.8	292.8
PECO	174.4	206.3	225.3	246.9	276.4	308.1	341.2	376.0	413.3	451.7	477.7	506.1	532.5	560.5	588.3	614.1
PENLC	38.6	52.4	60.8	70.3	83.1	96.9	111.3	126.4	142.6	159.2	170.5	182.9	194.3	206.5	218.5	229.7
PEPCO	607.5	691.8	772.7	857.3	948.1	1,054.8	1,162.2	1,268.6	1,388.9	1,521.9	1,610.3	1,696.3	1,775.7	1,867.6	1,958.9	2,031.3
PL	264.9	296.4	315.0	336.2	365.6	397.4	430.7	465.8	503.5	542.5	568.7	597.5	624.2	652.6	680.9	707.1
PS	1,507.2	1,664.3	1,862.5	2,068.1	2,290.8	2,533.3	2,764.5	3,009.9	3,272.4	3,547.6	3,774.7	3,964.0	4,125.9	4,280.9	4,432.5	4,571.4
RECO	34.4	39.7	46.2	53.0	60.3	68.1	75.6	83.5	92.0	100.8	108.1	114.1	119.3	124.3	129.1	133.5
UGI	1.9	2.7	3.3	3.8	4.6	5.4	6.3	7.2	8.2	9.2	9.9	10.6	11.3	12.0	12.7	13.4
VEPCO	1,294.7	1,417.3	1,508.2	1,621.7	1,752.1	1,899.0	2,059.6	2,239.4	2,367.1	2,501.3	2,607.1	2,722.1	2,819.9	2,928.7	3,047.1	3,157.6
<b>PJM RTO</b>	<b>8,362.5</b>	<b>9,619.1</b>	<b>10,660.3</b>	<b>11,799.6</b>	<b>13,102.8</b>	<b>14,593.7</b>	<b>16,097.3</b>	<b>17,666.4</b>	<b>19,281.2</b>	<b>20,979.1</b>	<b>22,323.0</b>	<b>23,557.2</b>	<b>24,580.3</b>	<b>25,640.4</b>	<b>26,716.2</b>	<b>27,694.3</b>



# Distributed Solar Generation 2023 Forecast by Zone

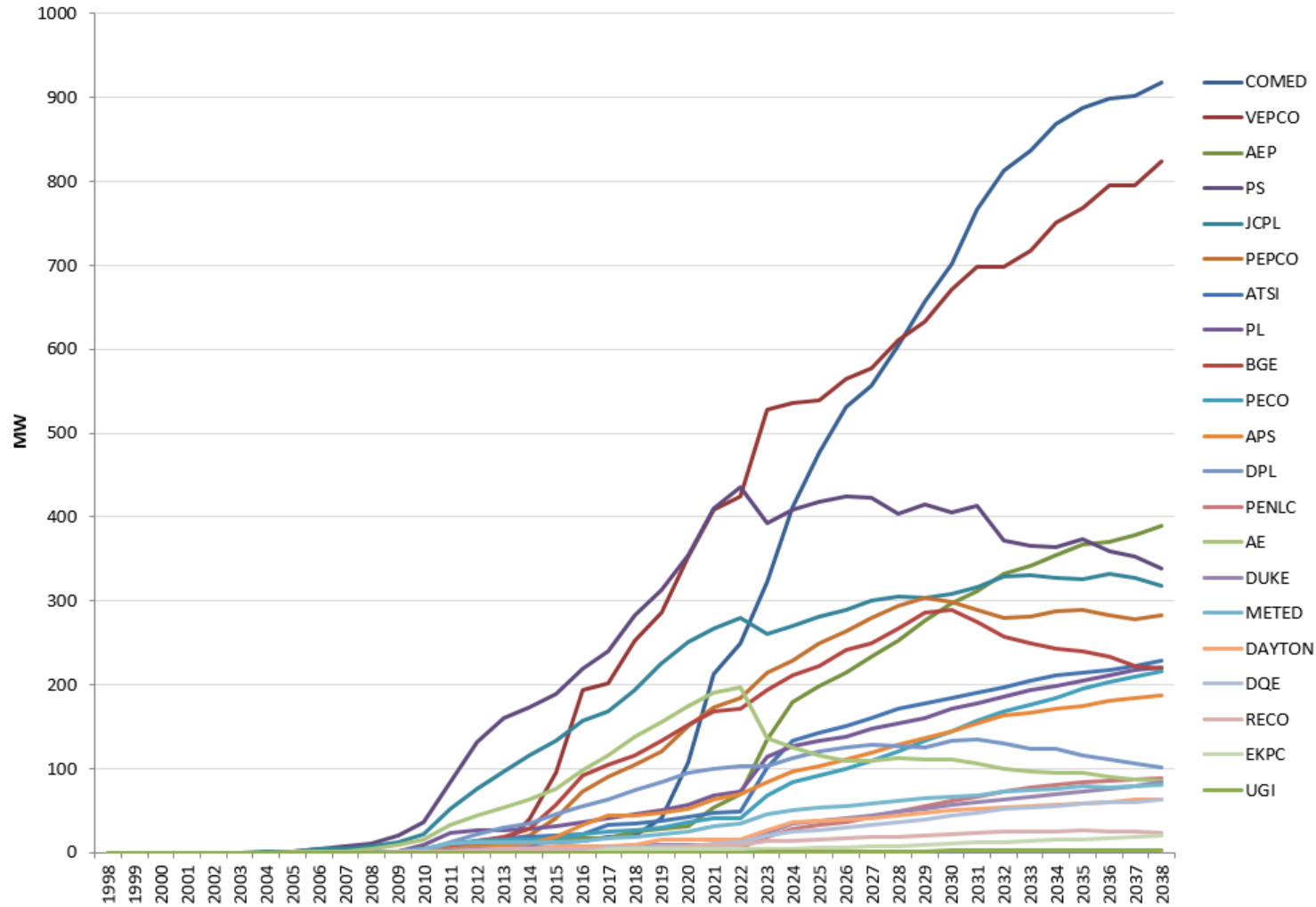
## Cumulative Nameplate Capacity

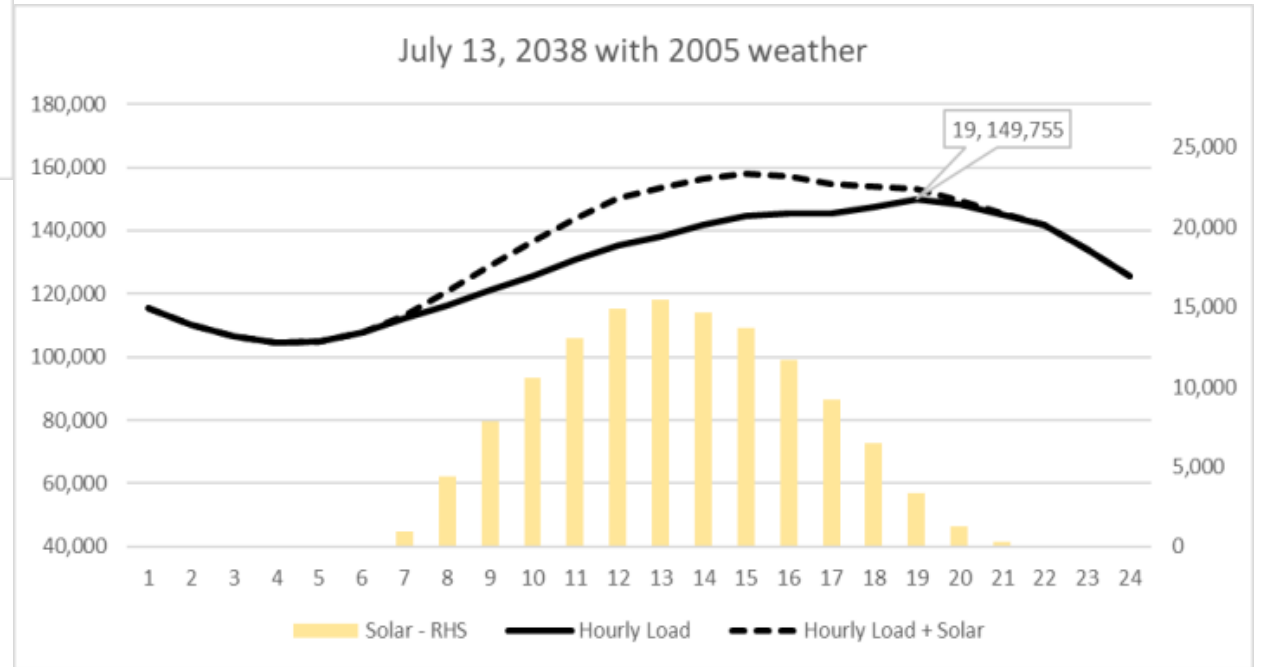
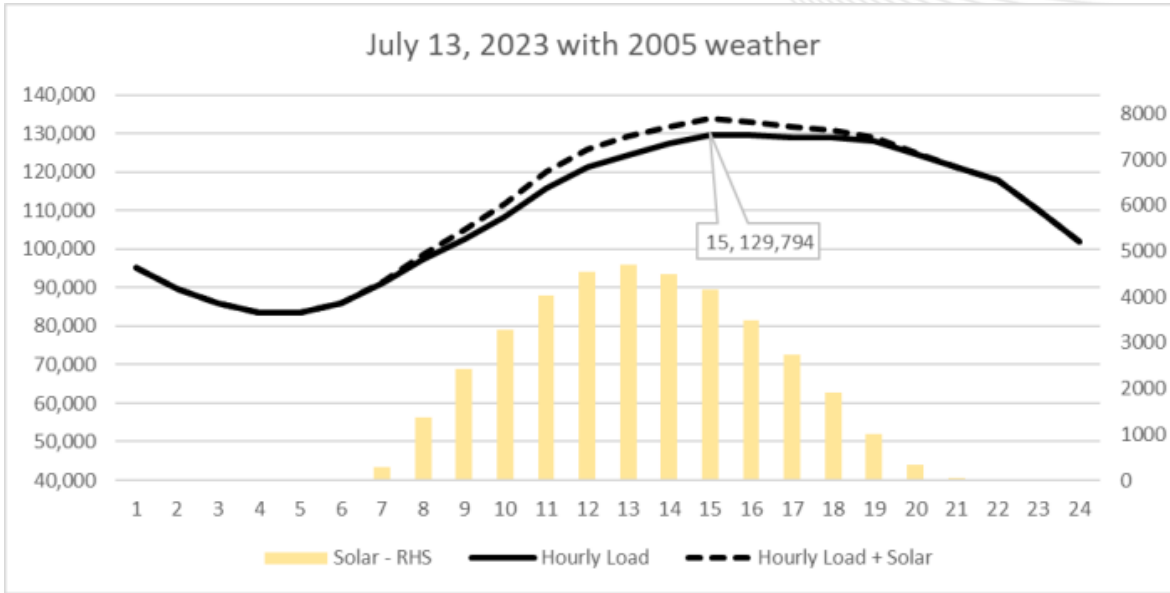




# Distributed Solar Peak 2023 Forecast by Zone

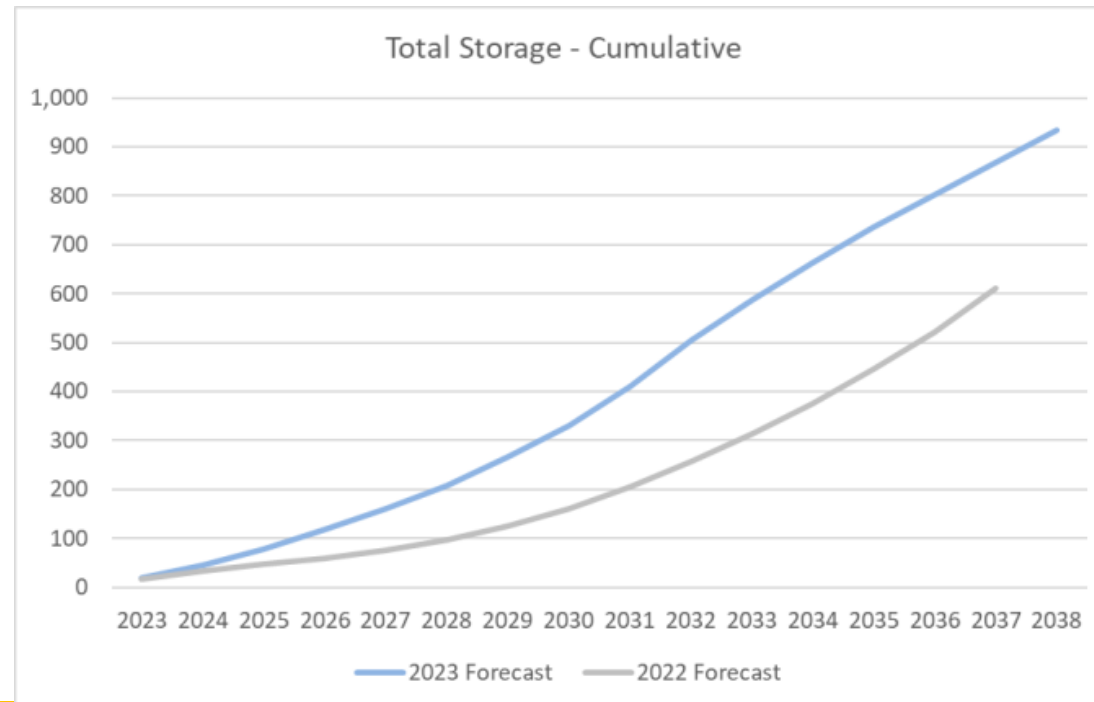
## Average Solar Value from Summer Peak Distribution





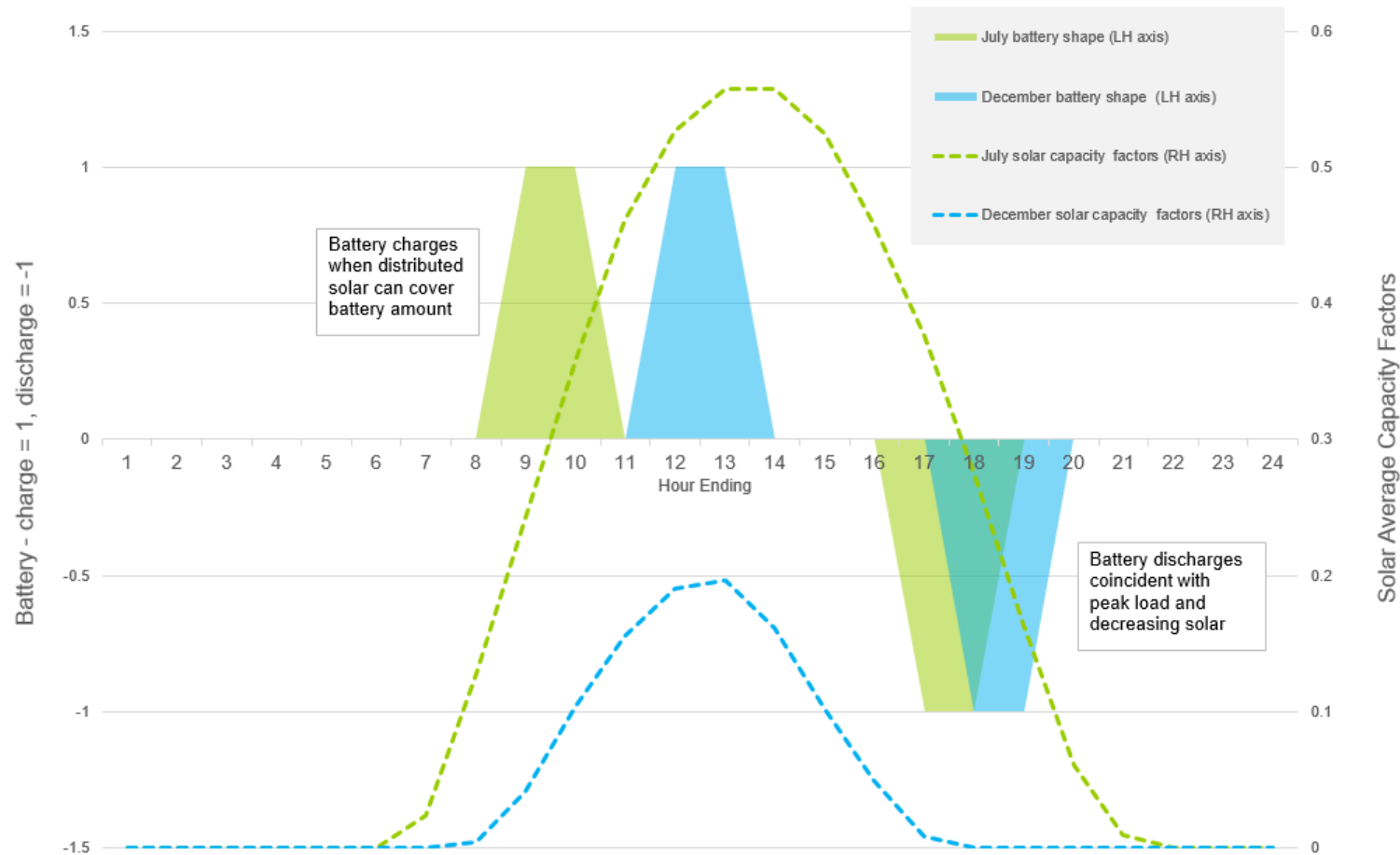
# Behind the Meter Battery Storage

- Starting last year, PJM will use a battery forecast for use in conjunction with the distributed solar forecast.
- The full amount of battery forecast will be used when incorporating into the forecast – the assumption being the battery will be fully charged so it is available at peak.



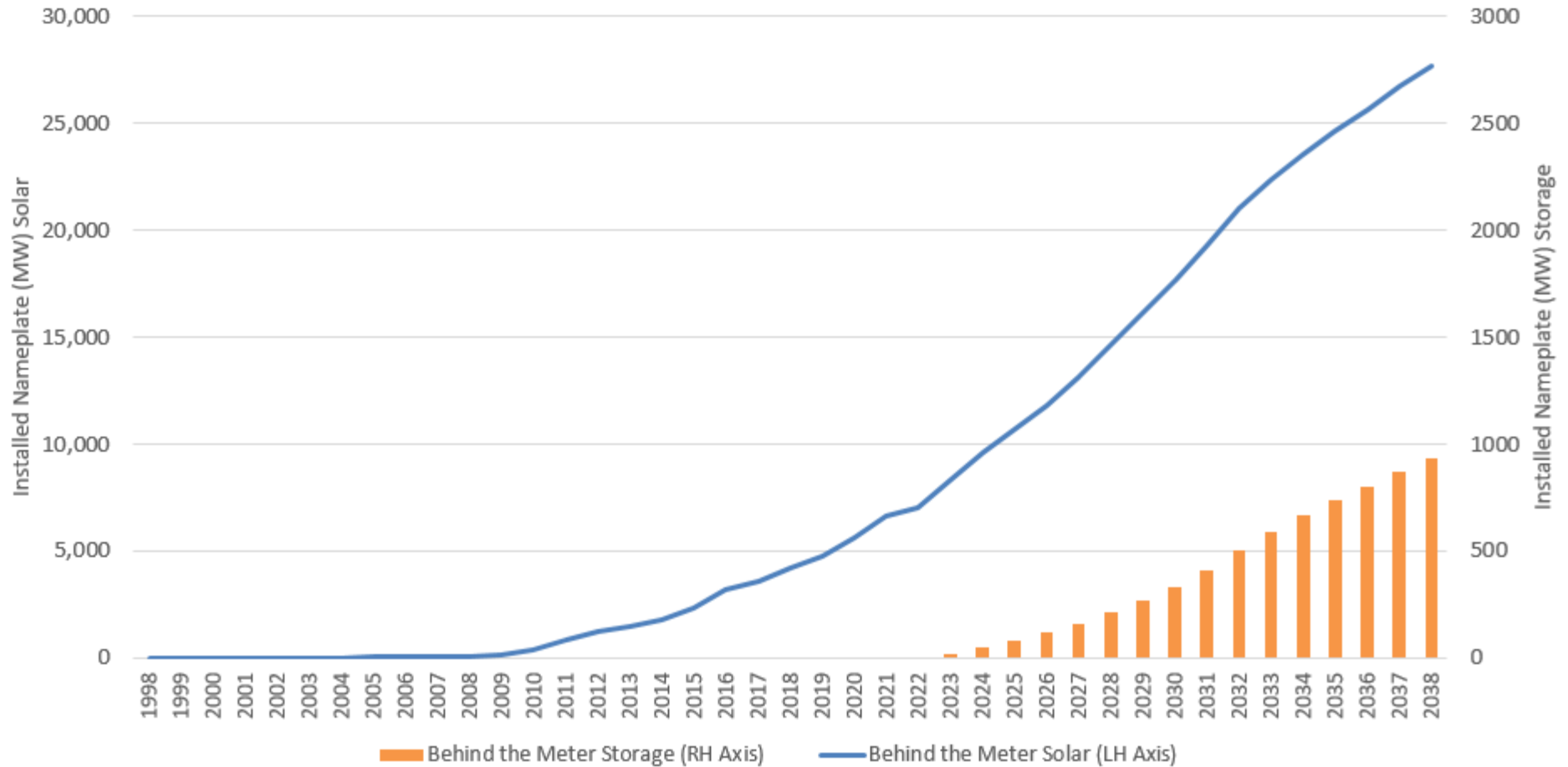


- Starting last year, PJM used a battery forecast for use in conjunction with the distributed solar forecast.



## Behind the Meter Battery Forecast by Zone Annual Additions of Nameplate Capacity

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
AE	0.6	0.7	0.8	1.7	1.8	1.8	2.0	1.8	1.8	1.6	1.2	1.0	1.0	1.3	1.4	1.6
AEP	1.7	2.1	2.5	2.6	2.8	3.2	3.9	4.5	4.5	5.1	4.7	4.5	4.3	4.2	4.3	4.3
APS	0.8	1.0	1.4	1.3	1.4	1.7	2.3	2.8	4.6	5.6	5.8	5.8	5.5	4.7	4.6	4.6
ATSI	1.1	1.5	1.6	1.7	1.7	1.9	2.1	2.3	2.1	2.3	1.9	1.7	1.7	1.7	1.6	1.6
BGE	1.4	1.8	2.7	2.6	2.8	3.3	4.8	5.9	13.2	15.8	16.3	16.4	16.2	14.0	14.1	14.1
COMED	3.0	4.1	5.5	7.2	7.5	7.8	8.2	9.2	10.5	12.2	8.7	6.5	7.1	7.4	7.5	7.7
DAYTON	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.5	0.6	0.5	0.4	0.4	0.4	0.4	0.4
DPL	0.6	0.7	0.8	0.8	0.9	1.1	1.5	1.8	3.5	3.9	3.8	3.6	3.5	3.1	3.1	3.1
DQE	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.7	0.7	0.6	0.5	0.3	0.2	0.2
DUKE	0.4	0.5	0.6	0.6	0.6	0.7	0.8	0.9	0.8	0.9	0.7	0.7	0.7	0.7	0.7	0.7
EKPC	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2
JCPL	1.4	1.6	1.9	3.9	4.1	4.3	4.7	4.1	4.1	3.8	2.8	2.3	2.4	3.0	3.3	3.7
METED	0.2	0.3	0.4	0.3	0.4	0.4	0.5	0.6	0.6	0.8	0.8	0.7	0.6	0.4	0.2	0.3
PECO	0.6	0.7	0.9	0.9	0.9	1.0	1.3	1.5	1.5	2.0	1.9	1.9	1.4	0.9	0.6	0.6
PENLC	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.9	0.8	0.8	0.6	0.4	0.3	0.3
PEPCO	1.4	1.7	2.4	2.3	2.5	2.8	3.9	4.6	8.7	10.3	10.5	10.1	9.9	8.5	8.7	8.7
PL	0.6	0.7	0.9	0.9	0.9	1.0	1.3	1.5	1.6	2.1	2.0	1.9	1.4	0.9	0.6	0.7
PS	2.7	3.1	3.7	7.6	8.1	8.4	9.3	8.1	8.1	7.5	5.4	4.5	4.8	5.9	6.6	7.3
RECO	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.2
UGI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
VEPCO	2.5	3.1	5.0	4.7	5.5	6.6	9.4	11.7	13.8	15.8	14.2	12.5	9.1	7.9	7.5	7.3
<b>PJM RTO</b>	<b>20.1</b>	<b>24.9</b>	<b>32.3</b>	<b>40.4</b>	<b>43.4</b>	<b>47.6</b>	<b>57.8</b>	<b>63.3</b>	<b>81.6</b>	<b>92.6</b>	<b>82.8</b>	<b>76.4</b>	<b>71.6</b>	<b>66.1</b>	<b>66.4</b>	<b>67.8</b>



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## Distributed Solar and Battery Update



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