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Appendix C: Further Detail Regarding State RPS Modeling by NEEM Region

This appendix contains a general summary regarding targets contained in state RPS policies in the Eastern Interconnect prepared by CRA at the request of the EIPC stakeholders. It is intended for informational purposes only to assist stakeholders in assessing how RPS policies can be ascribed to NEEM regions for general modeling purposes. It should not be interpreted to constitute an opinion by CRA regarding specific state RPS statutes or regulations.

For informational purposes only.

NEEM RPS	State RPS	Technologies allowed under the RPS					
		Wind	Solar Thermal	Solar PV	Hydroelectric	Geothermal	Biomass
PJM	PA	New and Existing	New and Existing	Counted toward solar RPS in NEEM	Low impact hydro projects are included	New and Existing	New and Existing
PJM	NJ*	New and existing plus carve out for at least 1100 MW of new offshore wind.	Counted towards solar RPS in NEEM	Counted towards solar RPS in NEEM	Facilities smaller than 30 MW	New and Existing	New and Existing
PJM	DE	New and Existing	Counted towards solar RPS in NEEM	Counted towards solar RPS in NEEM	Facilities smaller than 30 MW	New and Existing	New and Existing
PJM	MD	New and Existing	Counted towards solar RPS in NEEM	Counted towards solar RPS in NEEM	Facilities smaller than 30 MW and in service prior to January 1, 2004	New and Existing	New and Existing
PJM	DC	New and Existing	Counted towards solar RPS in NEEM	Counted towards solar RPS in NEEM	Not eligible	New and Existing	New and Existing
PJM Solar	PA Solar	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM	New and Existing	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM
PJM Solar	NJ Solar	Counted towards non-solar RPS in NEEM	New and Existing	New and Existing	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM
PJM Solar	DE Solar	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM	New and Existing	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM
PJM Solar	MD Solar	Counted towards non-solar RPS in NEEM	New and Existing	New and Existing	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM
PJM Solar	DC Solar	Counted towards non-solar RPS in NEEM	New and Existing	New and Existing	Not eligible.	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM
MRETS	WI**	New and Existing	New and Existing	New and Existing	Facilities smaller than 60 MW	New and Existing	New and Existing
MRETS	MN	New and Existing	New and Existing	New and Existing	Facilities smaller than 100 MW	New and Existing	New and Existing
MRETS	IL	New and Existing	Counted towards solar RPS in NEEM	Counted towards solar RPS in NEEM	Existing hydro and new hydro that does not require the construction of new dams	New and Existing	New and Existing
MRETS Solar	IL	Counted towards non-solar RPS in NEEM	New and Existing	New and Existing	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM
MI	MI	New and Existing	New and Existing	New and Existing	New hydroelectric facilities that require new dam construction are not eligible	New and Existing	New and Existing
Ohio	OH	New and Existing	Counted towards solar RPS in NEEM	Counted towards solar RPS in NEEM	Qualified hydro (no size limitation)	New and Existing	New and Existing
Ohio Solar	OH Solar	Counted towards non-solar RPS in NEEM	New and Existing	New and Existing	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM
KS	KS***	New and Existing	New and Existing	New and Existing	New hydroelectric facilities less than 10 MW and existing hydroelectric facilities	New and Existing	New and Existing
MO	MO	New and Existing	Counted towards solar RPS in NEEM	Counted towards solar RPS in NEEM	Facilities smaller than 10 MW.	New and Existing	New and Existing
MO Solar	MO Solar	Counted towards non-solar RPS in NEEM	New and Existing	New and Existing	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM
NY	NY	Facilities placed in service after January 1, 2003	Facilities placed in service after January 1, 2003	Facilities placed in service after January 1, 2003	Facilities placed in service after January 1, 2003	Facilities placed in service after January 1, 2003	Facilities placed in service after January 1, 2003
NEISO	MA	New and existing facilities placed in service after December 31, 1999	New and Existing	Counted towards solar RPS in NEEM	New hydro electric.	New and existing facilities placed in service after December 31, 1999	New and existing facilities placed in service after December 31, 1999
NEISO	CT	New and Existing	New and Existing	New and Existing	New hydro electric.	New and Existing	New and Existing
NEISO	ME	New and Existing	New and Existing	New and Existing	New and existing facilities smaller than 100 MW	New and Existing	New and Existing
NEISO	RI****	New and Existing	New and Existing	New and Existing	Facilities smaller than 30 MW.	New and Existing	New and Existing
NEISO	NH	Facilities built after January 1, 2006	Counted towards solar RPS in NEEM	Counted towards solar RPS in NEEM	Facilities built after January 1, 2006	Hydro electric built prior to January 1, 2006 with a nameplate capacity less than 5 MW	Biomass with nameplate capacity less than 25 MW placed in service prior to January 1, 2006 and and biomass built after January 1, 2006
MA Solar	MA Solar	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM	New and existing facilities smaller than 6 MW and placed in service after December 31, 2007	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM
NH Solar	NH Solar	Counted towards non-solar RPS in NEEM	Facilities built after January 1, 2006	Facilities built after January 1, 2006	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM
NC	NC	New and Existing	Counted towards solar RPS in NEEM	Counted towards solar RPS in NEEM	Facilities smaller than 10 MW	New and Existing	New and Existing
NC Solar	NC Solar	Counted towards non-solar RPS in NEEM	New and Existing	New and Existing	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM	Counted towards non-solar RPS in NEEM

*CRA plans to model this requirement as a 1100 MW of new offshore wind to be built in 2021.

**Only electricity generated from renewables placed in service after January 1, 2004 generate tradeable RECs; facilities placed in service prior to that date generate non-tradeable RECs. CRA models all RECs as tradeable within MRETS.

***Capacity built on or after January 1, 2000 receives a 10% bonus credit towards compliance.

****Facilities placed in service prior to December 31, 1997 may only meet 2% of the RPS requirement for any year.

VACAR Non-Solar RPS

RPS as Percent of Calendar Year Retail State Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
NC	0.00%	2.93%	2.93%	2.93%	5.86%	5.86%	5.86%	9.80%	9.80%	9.80%	12.30%	12.30%	12.30%	12.30%	12.30%	12.30%	12.30%	12.30%	12.30%	12.30%

RPS as Percent of Calendar Year VACAR NEEM Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
VACAR	0.00%	1.64%	1.64%	1.64%	3.27%	3.27%	3.27%	5.47%	5.48%	5.47%	6.82%	6.83%	6.83%	6.84%	6.82%	6.82%	6.83%	6.83%	6.82%	6.83%

Sources:

EIA 906

RPS policies: <http://www.dsire.org>

VACAR Solar RPS

RPS as Percent of Calendar Year Retail State Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
NC	0.02%	0.07%	0.07%	0.07%	0.14%	0.14%	0.14%	0.20%	0.20%	0.20%	0.20%	0.20%	0.20%	0.20%	0.20%	0.20%	0.20%	0.20%	0.20%	0.20%

RPS as Percent of Calendar Year VACAR NEEM Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
VACAR	0.01%	0.04%	0.04%	0.04%	0.08%	0.08%	0.08%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%

Sources:
EIA 906
RPS policies: <http://www.dsire.org>

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NH Solar RPS

RPS as Percent of Calendar Year Retail State Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
NH	0.08%	0.15%	0.20%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%

RPS as Percent of Calendar Year NEISO NEEM Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
NEISO	0.01%	0.01%	0.02%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%

Sources:

EIA 906

RPS policies: <http://www.dsire.org>

MA Solar RPS

RPS as Percent of Calendar Year Retail State Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
MA	0.16%	0.27%	0.42%	0.61%	0.87%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%

RPS as Percent of Calendar Year NEISO NEEM Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
NEISO	0.07%	0.12%	0.19%	0.27%	0.38%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%

Sources:
EIA 906
RPS policies: <http://www.dsire.org>

NEISO RPS

RPS as Percent of Calendar Year Retail State Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
CT	11.00%	12.00%	13.00%	14.00%	15.50%	17.00%	18.50%	20.00%	22.50%	23.00%	23.00%	23.00%	23.00%	23.00%	23.00%	23.00%	23.00%	23.00%	23.00%	23.00%
MA	9.44%	10.33%	11.18%	11.99%	12.73%	13.69%	14.69%	15.69%	16.69%	17.69%	18.69%	19.69%	20.69%	21.69%	22.69%	23.69%	24.69%	25.69%	26.69%	27.69%
ME	34.00%	35.00%	36.00%	37.00%	38.00%	39.00%	40.00%	40.00%	40.00%	40.00%	40.00%	40.00%	40.00%	40.00%	40.00%	40.00%	40.00%	40.00%	40.00%	40.00%
NH	9.50%	10.50%	11.50%	12.50%	13.50%	14.50%	15.50%	16.50%	17.50%	18.50%	19.50%	20.50%	21.50%	22.50%	23.50%	23.50%	23.50%	23.50%	23.50%	23.50%
RI	5.50%	6.50%	7.50%	8.50%	10.00%	11.50%	13.00%	14.50%	16.00%	16.00%	16.00%	16.00%	16.00%	16.00%	16.00%	16.00%	16.00%	16.00%	16.00%	16.00%

RPS as Percent of Calendar Year NEISO NEEM Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
CT	2.63%	2.90%	3.14%	3.39%	3.75%	4.11%	4.47%	4.84%	5.44%	5.56%	5.54%	5.55%	5.55%	5.56%	5.55%	5.56%	5.57%	5.57%	5.56%	5.56%
MA	4.14%	4.57%	4.95%	5.30%	5.63%	6.06%	6.50%	6.94%	7.39%	7.83%	8.24%	8.69%	9.13%	9.59%	10.02%	10.49%	10.94%	11.39%	11.80%	12.25%
ME	3.09%	3.21%	3.31%	3.40%	3.49%	3.58%	3.67%	3.67%	3.67%	3.67%	3.66%	3.66%	3.66%	3.67%	3.67%	3.67%	3.68%	3.68%	3.67%	3.67%
NH	0.82%	0.91%	1.00%	1.09%	1.18%	1.26%	1.35%	1.44%	1.52%	1.61%	1.69%	1.78%	1.87%	1.96%	2.04%	2.05%	2.05%	2.05%	2.04%	2.05%
RI	0.34%	0.40%	0.46%	0.53%	0.62%	0.71%	0.81%	0.90%	0.99%	0.99%	0.99%	0.99%	0.99%	0.99%	0.99%	0.99%	0.99%	0.99%	0.99%	0.99%
NEISO	11.02%	12.00%	12.86%	13.70%	14.67%	15.73%	16.80%	17.79%	19.01%	19.67%	20.13%	20.67%	21.19%	21.76%	22.27%	22.76%	23.22%	23.68%	24.06%	24.52%

Sources:

EIA 906

RPS policies: <http://www.dsire.org>

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NY RPS

RPS as Percent of Calendar Year Retail State Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
NY	23.20%	24.56%	25.82%	27.29%	28.79%	28.79%	28.79%	28.79%	28.79%	28.79%	28.79%	28.79%	28.79%	28.79%	28.79%	28.79%	28.79%	28.79%	28.79%	28.79%

RPS as Percent of Calendar Year NYISO NEEM Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
NYISO	21.59%	23.01%	24.31%	25.53%	26.91%	26.95%	26.94%	27.03%	27.10%	27.11%	27.03%	26.96%	26.97%	27.01%	26.97%	27.00%	27.00%	27.02%	26.95%	26.98%

Sources:

EIA 906

RPS policies: <http://www.dsire.org>

MO Non-Solar RPS

RPS as Percent of Calendar Year Retail State Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
MO	1.96%	1.96%	1.96%	4.90%	4.90%	4.90%	4.90%	9.80%	9.80%	9.80%	14.70%	14.70%	14.70%	14.70%	14.70%	14.70%	14.70%	14.70%	14.70%	14.70%

RPS as Percent of Calendar Year MISO_MO_IL & ENT NEEM Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
EMO & ENT	0.62%	0.62%	0.61%	1.54%	1.54%	1.54%	1.53%	3.07%	3.07%	3.07%	4.59%	4.59%	4.59%	4.59%	4.58%	4.58%	4.59%	4.59%	4.58%	4.59%

Sources:
EIA 906
RPS policies: <http://www.dsire.org>

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MO Solar RPS

RPS as Percent of Calendar Year Retail State Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
MO	0.04%	0.04%	0.04%	0.10%	0.10%	0.10%	0.10%	0.20%	0.20%	0.20%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%

RPS as Percent of Calendar Year MISO_MO_IL & ENT NEEM Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
EMO & ENT	0.01%	0.01%	0.01%	0.03%	0.03%	0.03%	0.03%	0.06%	0.06%	0.06%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%

Sources:

EIA 906

RPS policies: <http://www.dsire.org>

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KS RPS

RPS as Percent of Calendar Year Retail State Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
KS	10.00%	10.00%	10.00%	10.00%	10.00%	15.00%	15.00%	15.00%	15.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%

RPS as Percent of Calendar Year SPP_N NEEM Peak Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
SPP_N	5.11%	5.11%	5.11%	5.11%	5.11%	7.67%	7.67%	7.67%	7.67%	10.23%	10.23%	10.23%	10.23%	10.23%	10.23%	10.23%	10.23%	10.23%	10.23%	10.23%

Sources:

EIA 906

RPS policies: <http://www.dsire.org>

Ohio Non-Solar RPS

RPS as Percent of Calendar Year Retail State Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Ohio	0.97%	1.44%	1.91%	2.38%	3.35%	4.32%	5.28%	6.24%	7.20%	8.16%	9.12%	10.08%	11.04%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%

RPS as Percent of Calendar Year PJM_ROR NEEM Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Midwest	0.28%	0.42%	0.55%	0.68%	0.95%	1.23%	1.49%	1.76%	2.03%	2.20%	2.56%	2.83%	3.10%	3.37%	3.37%	3.37%	3.37%	3.37%	3.36%	3.37%

Sources:

EIA 906

RPS policies: <http://www.dsire.org>

Ohio Solar RPS

RPS as Percent of Calendar Year Retail State Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Ohio	0.03%	0.06%	0.09%	0.12%	0.15%	0.18%	0.22%	0.26%	0.30%	0.34%	0.38%	0.42%	0.46%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%

RPS as Percent of Calendar Year PJM_ROR NEEM Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Midwest	0.01%	0.02%	0.03%	0.03%	0.04%	0.05%	0.06%	0.07%	0.08%	0.09%	0.11%	0.12%	0.13%	0.14%	0.14%	0.14%	0.14%	0.14%	0.14%	0.14%

Sources:

EIA 906

RPS policies: <http://www.dsire.org>

MI RPS

RPS as Percent of Calendar Year Retail State Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
MI	0.00%	4.80%	5.65%	6.75%	10.00%	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015

RPS as Percent of Calendar Year MISO_MI NEEM Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
MISO_MI	0.00%	5.13%	5.96%	7.03%	10.00%	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015	Same energy as in 2015

Sources:

EIA 906

RPS policies: <http://www.dsire.org>

MRETS RPS

RPS as Percent of Calendar Year Retail State Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
WI	6.13%	6.13%	6.13%	6.13%	10.13%	10.13%	10.13%	10.13%	10.13%	10.13%	10.13%	10.13%	10.13%	10.13%	10.13%	10.13%	10.13%	10.13%	10.13%	10.13%
MN (Xcel)	15.00%	18.00%	18.00%	18.00%	18.00%	25.00%	25.00%	25.00%	25.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%
MN (Non-Xcel)	0.00%	12.00%	12.00%	12.00%	12.00%	17.00%	17.00%	17.00%	17.00%	20.00%	20.00%	20.00%	20.00%	20.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%
IL	5.50%	6.48%	7.46%	8.37%	9.20%	10.11%	11.52%	12.93%	14.34%	15.75%	17.16%	18.57%	19.98%	21.39%	22.80%	23.50%	23.50%	23.50%	23.50%	23.50%

RPS as Percent of Calendar Year MAPP_US, WUMS, MISO_MO_IL, PJM_ROR & MISO_W NEEM Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
WI	0.48%	0.48%	0.47%	0.46%	0.76%	0.76%	0.76%	0.76%	0.76%	0.76%	0.78%	0.78%	0.78%	0.79%	0.79%	0.79%	0.79%	0.79%	0.80%	0.80%
MN (Xcel)	1.16%	1.37%	1.33%	1.33%	1.33%	1.83%	1.87%	1.86%	1.84%	2.21%	2.28%	2.29%	2.30%	2.31%	2.32%	2.33%	2.34%	2.35%	2.37%	2.38%
MN (Non-Xcel)	0.00%	0.92%	0.88%	0.89%	0.88%	1.25%	1.27%	1.27%	1.25%	1.48%	1.52%	1.52%	1.53%	1.54%	1.93%	1.94%	1.95%	1.96%	1.97%	1.98%
IL	0.91%	1.09%	1.24%	1.38%	1.53%	1.68%	1.91%	2.14%	2.38%	2.51%	2.80%	3.03%	3.26%	3.48%	3.71%	3.82%	3.81%	3.81%	3.80%	3.80%
MRETS	2.56%	3.86%	3.92%	4.06%	4.50%	5.53%	5.80%	6.04%	6.23%	6.96%	7.38%	7.62%	7.87%	8.12%	8.75%	8.88%	8.90%	8.92%	8.94%	8.96%

Sources:

EIA 906

RPS policies: <http://www.dsire.org>

MRETS Solar RPS

RPS as Percent of Calendar Year Retail State Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
WI	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MN (Xcel)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MN (Non-Xcel)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
IL	0.00%	0.02%	0.04%	0.14%	0.30%	0.65%	0.74%	0.83%	0.92%	1.01%	1.10%	1.19%	1.28%	1.37%	1.46%	1.50%	1.50%	1.50%	1.50%	1.50%

RPS as Percent of Calendar Year MAPP_US, WUMS, MISO_MO_IL, PJM_ROR & MISO_W NEEM Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
WI	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MN (Xcel)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MN (Non-Xcel)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
IL	0.00%	0.00%	0.01%	0.02%	0.05%	0.11%	0.12%	0.14%	0.15%	0.16%	0.18%	0.19%	0.21%	0.22%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
MRETS	0.00%	0.00%	0.01%	0.02%	0.05%	0.11%	0.12%	0.14%	0.15%	0.16%	0.18%	0.19%	0.21%	0.22%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%

Sources:

EIA 906

RPS policies: <http://www.dsire.org>

PJM Non-Solar RPS

RPS as Percent of Calendar Year Retail State Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
DC	3.96%	4.93%	6.40%	7.87%	9.33%	11.29%	13.25%	15.20%	17.15%	19.60%	19.60%	19.60%	19.60%	19.60%	19.60%	19.60%	19.60%	19.60%	19.60%	19.60%
DE	4.98%	6.80%	8.10%	9.40%	10.70%	12.00%	13.25%	14.50%	15.75%	17.00%	17.75%	18.50%	19.25%	20.00%	20.75%	21.50%	22.50%	22.50%	22.50%	22.50%
MD	4.95%	6.40%	8.00%	10.00%	10.10%	12.20%	12.55%	14.90%	16.20%	16.50%	16.85%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%
NJ	7.99%	8.82%	9.64%	10.48%	11.31%	12.15%	12.99%	14.83%	16.68%	18.53%	20.38%	20.38%	20.38%	20.38%	20.38%	20.38%	20.38%	20.38%	20.38%	20.38%
PA	3.00%	3.49%	3.97%	4.44%	4.88%	5.27%	5.73%	6.18%	6.63%	7.08%	7.52%	7.52%	7.52%	7.52%	7.52%	7.52%	7.52%	7.52%	7.52%	7.52%

RPS as Percent of Calendar Year PJM_E & PJM_ROM NEEM Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
DC	0.17%	0.21%	0.27%	0.33%	0.39%	0.48%	0.56%	0.64%	0.72%	0.83%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%
DE	0.20%	0.27%	0.32%	0.37%	0.42%	0.47%	0.51%	0.56%	0.61%	0.66%	0.69%	0.71%	0.74%	0.77%	0.80%	0.83%	0.87%	0.87%	0.86%	0.87%
MD	1.08%	1.40%	1.73%	2.16%	2.17%	2.63%	2.69%	3.20%	3.48%	3.56%	3.62%	3.86%	3.87%	3.87%	3.87%	3.87%	3.88%	3.88%	3.87%	3.88%
NJ	2.12%	2.36%	2.54%	2.76%	2.97%	3.20%	3.39%	3.88%	4.35%	4.85%	5.30%	5.29%	5.29%	5.29%	5.28%	5.29%	5.28%	5.28%	5.27%	5.27%
PA	1.51%	1.76%	1.98%	2.21%	2.42%	2.62%	2.83%	3.06%	3.27%	3.51%	3.71%	3.71%	3.71%	3.71%	3.71%	3.71%	3.71%	3.71%	3.71%	3.70%
PJM Classic	5.07%	6.00%	6.84%	7.83%	8.37%	9.39%	9.97%	11.34%	12.43%	13.41%	14.14%	14.39%	14.42%	14.47%	14.48%	14.51%	14.55%	14.56%	14.53%	14.55%

Sources:

EIA 906

RPS policies: <http://www.dsire.org>

PJM Solar RPS

RPS as Percent of Calendar Year Retail State Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
DC	0.04%	0.07%	0.10%	0.13%	0.17%	0.21%	0.25%	0.30%	0.35%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%
DE	0.02%	0.20%	0.40%	0.60%	0.80%	1.00%	1.25%	1.50%	1.75%	2.00%	2.25%	2.50%	2.75%	3.00%	3.25%	3.50%	3.50%	3.50%	3.50%	3.50%
MD	0.05%	0.10%	0.20%	0.30%	0.40%	0.50%	0.55%	0.90%	1.20%	1.50%	1.85%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
NJ	0.35%	0.45%	0.56%	0.69%	0.85%	1.02%	1.23%	1.45%	1.70%	1.98%	2.12%	2.12%	2.12%	2.12%	2.12%	2.12%	2.12%	2.12%	2.12%	2.12%
PA	0.02%	0.03%	0.05%	0.08%	0.14%	0.25%	0.29%	0.34%	0.39%	0.44%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%

RPS as Percent of Calendar Year PJM_E & PJM_ROM NEEM Load																				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
DC	0.00%	0.00%	0.00%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%
DE	0.00%	0.01%	0.02%	0.02%	0.03%	0.04%	0.05%	0.06%	0.07%	0.08%	0.09%	0.10%	0.11%	0.12%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%
MD	0.01%	0.02%	0.04%	0.06%	0.09%	0.11%	0.12%	0.19%	0.26%	0.32%	0.40%	0.43%	0.43%	0.43%	0.43%	0.43%	0.43%	0.43%	0.43%	0.43%
NJ	0.09%	0.12%	0.15%	0.18%	0.22%	0.27%	0.32%	0.38%	0.44%	0.52%	0.55%	0.55%	0.55%	0.55%	0.55%	0.55%	0.55%	0.55%	0.55%	0.55%
PA	0.01%	0.02%	0.03%	0.04%	0.07%	0.12%	0.14%	0.17%	0.19%	0.22%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
PJM Classic	0.12%	0.17%	0.24%	0.32%	0.42%	0.55%	0.64%	0.81%	0.98%	1.16%	1.30%	1.34%	1.35%	1.36%	1.37%	1.38%	1.38%	1.38%	1.38%	1.38%

Sources:

EIA 906

RPS policies: <http://www.dsire.org>