

## Comparison of Renewable Portfolio Standards (RPS) Programs in PJM States

	NJ	MD	DC	PA	DE
Regulation or Legislation	N.J.A.C 14:4-8 - NJ Renewable Portfolio Standards Rules A.B. 3520 (7/1/2010) SB 1925 (7/23/2012) A.B. 3723 (May 2018)	HB 1308 / SB 869 (2004) HB 375 (2008), SB 277 (5/2010), SB791 (5/2012), HB226 (4/2013) HB 1106 (2/2017) SB516 (5/2019)	Bill 15-747 (4/12/2005) Bill 17-0492 (10/6/2008) Bill 19-0384 (8/1/2011) Bill 19-10 (8/9/2011) Act B21-0650 (10/2016) DC Law 22-257 (12/2018)	SB 1030/Act 213 (2004) HB 1203/Act 35 (2007) HB 2200/Act 129 (2008) HB118 / Act 40 (10/30/2017)	SB 74 (2005) SB 19 (2007), SB 328 (2008) SB 119 (7/2010), SB 124 (7/2011)
Geographic Eligibility	Energy shall be generated within or delivered into the PJM region. If the latter, the Energy must have been generated at a facility that commenced construction on or after January 1, 2003. Solar resources must be connected with distribution grid serving NJ.	Source must be (1) located in the PJM Region or (2) in a control area that is adjacent to the PJM Region, if the electricity is delivered into the PJM Region. Solar resources must be connected with distribution grid serving MD.	Source must be located within the PJM Interconnection region or within a state that is adjacent to the PJM Interconnection region. Effective 3/22/2019, new facilities must be located in PJM. Solar systems approved after 2/1/2011 must be connected to the DC distribution grid.	Sources located inside the geographical boundaries of this Commonwealth or within the PJM service territory. Beginning October 30, 2017 solar PV systems located out of state will not be eligible to meet solar PV requirement.	“Eligible Energy Resources” include energy resources located within or imported into the PJM region. Customer-sited resources must be located in DE.
Reporting Period	June 1st to May 31 <sup>st</sup> . Compliance reports due 10/1.	January 1 <sup>st</sup> to December 31 <sup>st</sup> . Compliance reports due 4/1.	January 1 <sup>st</sup> to December 31 <sup>st</sup> . Compliance reports due 4/1.	June 1 <sup>st</sup> to May 31 <sup>st</sup> . Compliance reports due 9/1.	June 1st to May 31 <sup>st</sup> . Compliance reports due 10/1.
Banking	Class I RECs and SRECs can be banked for compliance in either of the following two energy years (per A.B. 3520). S.B. 1925 extended the lifetime for SRECs an additional two years. Class II RECs cannot be banked.	A Renewable Energy Credit shall exist for 3 years from the date created.	A Renewable Energy Credit shall exist for 3 years from the date created. Effective April 2019, Solar RECs have a lifespan of 5 years.	Alternative Energy credits can be banked for compliance in either or both of the two subsequent reporting years (as of the effective date of this Act)	An unused renewable energy credit shall exist for 3 years from the date created.
Credit Multipliers	No	No (they expired)	No (they expired)	No	a). 300% credit for (1) in-state solar electric or (2) renewable fuel cells installed on or before 12/31/2014. b). 150% credit for wind energy installations sited in Delaware on or before 12/31/2012. c). 350% credit for DPL wind energy installations sited off the DE coast on or before 5/31/2017. d). 110% credit for solar or wind installations sited in Delaware for which at least 50% of the equipment or components are manufactured in Delaware or installed with a minimum 75% state workforce.

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Technology - Specific Requirements (set asides)	Solar Offshore wind	Solar PV, and Solar water heat commissioned after 6/1/11 Offshore wind - up to 2.5% beginning in 2017, and an additional 1200 MWs by 2030	Solar, including solar thermal	Solar	Solar Qualified fuel cells can count for up to 30% of the SREC requirement
Class I or Tier I Renewable Energy Sources	<p>Class I renewable sources:</p> <ul style="list-style-type: none"> <li>• solar technologies</li> <li>• photovoltaic technologies</li> <li>• wind Energy</li> <li>• fuel cells powered by renewable fuels</li> <li>• geothermal technologies</li> <li>• wave or tidal action</li> <li>• methane gas from landfills or a biomass facility, provided that the biomass is cultivated and harvested in a sustainable manner.</li> <li>• In-state hydroelectric facilities &lt;3 MW placed in service after 7/23/2012</li> </ul>	<p>Tier 1 Renewable sources:</p> <ol style="list-style-type: none"> <li>(1) solar and solar water heat;</li> <li>(2) wind;</li> <li>(3) qualifying biomass;</li> <li>(4) methane from a landfill or wastewater treatment plant;</li> <li>(5) geothermal;</li> <li>(6) ocean;</li> <li>(7) a fuel cell powered by methane or biomass;</li> <li>(8) a small hydroelectric plant (less than 30 MW);</li> <li>(9) poultry litter incineration facilities in Maryland.</li> <li>(10) waste-to-Energy facilities in Maryland</li> <li>(11) certain geothermal heating and cooling systems and biomass systems that generate thermal energy</li> </ol>	<p>Tier 1 Renewable sources:</p> <ol style="list-style-type: none"> <li>(1) solar (including solar thermal);</li> <li>(2) wind;</li> <li>(3) qualifying biomass (&gt;65% efficiency);</li> <li>(4) methane from a landfill or wastewater treatment plant;</li> <li>(5) geothermal;</li> <li>(6) ocean, including Energy from waves, tides, currents, and thermal differences; and</li> <li>(7) a fuel cell that produces electricity from a tier 1 renewable source under item (3) or (4) of this subsection.</li> </ol>	<p>Tier I alternative Energy sources:</p> <ol style="list-style-type: none"> <li>(1) Solar photovoltaic and solar thermal energy.</li> <li>(2) Wind power.</li> <li>(3) Low-impact hydropower.</li> <li>(4) Geothermal Energy.</li> <li>(5) Biologically derived methane gas.</li> <li>(6) Fuel cells.</li> <li>(7) Biomass Energy.</li> <li>(8) Coal mine methane.</li> </ol>	<p>Electricity derived from:</p> <ol style="list-style-type: none"> <li>a. solar;</li> <li>b. wind;</li> <li>c. ocean;</li> <li>d. geothermal;</li> <li>e. fuel cell capable of being powered by Renewable Fuels;</li> <li>f. combustion of gas from the anaerobic digestion of organic material;</li> <li>g. small hydroelectric facility (30 megawatts or less);</li> <li>h. sustainable biomass, excluding waste to energy;</li> <li>i. landfill methane gas;</li> </ol>
Class II or Tier II Sources	<p>Class II renewable sources:</p> <ul style="list-style-type: none"> <li>• resource recovery facility (subject to qualifications)</li> <li>• small hydro power facility (less than 30 MW)</li> </ul>	<p>Tier 2 Renewable sources:</p> <ol style="list-style-type: none"> <li>(1) hydroelectric power other than pump storage generation</li> </ol>	<p>Tier 2 Renewable sources:</p> <ol style="list-style-type: none"> <li>(1) hydroelectric power other than pump storage generation</li> </ol> <p>For Tier 2 sources, the facility must have existed and been operational as of January 1, 2004.</p>	<p>Tier II alternative Energy sources:</p> <ol style="list-style-type: none"> <li>(1) Waste coal.</li> <li>(2) Distributed generation systems.</li> <li>(3) Demand-side management.</li> <li>(4) Large-scale hydropower (including pumped storage).</li> <li>(5) Municipal solid waste.</li> <li>(6) Generation of electricity utilizing by-products of the pulping process and wood manufacturing process (in-state resources are now Tier 1).</li> <li>(7) Integrated combined coal gasification technology.</li> </ol>	<p>“New Renewable Generation Resources” are those in commercial operation after 12/31/1997. No more than 1% of each year’s sales may come from resources that aren’t New.</p>

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Alternative Compliance Payment (ACP)	Class I & II (ACP) - \$50/MWh Solar (SACP) – For EY2018 it is \$308/MWh. EY 2019 is \$268/MWh, declining by \$10 each year thereafter.				Tier 1 - \$40 / MWh thru 2016, \$37.5/MWh in 2017 and 2018, declining to \$22.35 in 2030 Tier 2 - \$15 / MWh Solar - \$400 / MWh in 2009 thru 2014, declining to \$40 / MWh in 2024 (see below)				Tier 1 - \$50/MWh Tier 2 - \$10/MWh Solar - \$500/MWh in 2011 thru 2023, \$400 in 2024 thru 2028, \$300 in 2029 thru 2041, and \$100 in 2042 and thereafter				Tier I (except solar) and Tier II - \$45 / MWh Solar – 200% of the average market value for solar RECs sold in the RTO.				\$25 for 1 <sup>st</sup> deficient year. \$50 for 2 <sup>nd</sup> deficient year. \$80 for subsequent years. Solar ACP is \$400, \$450, and \$500, respectively.		
Beneficiary of ACP	ACP’s fund renewable energy projects through the Clean Energy Program. SACP’s will be refunded to ratepayers as a result of A.B. 3520.				MD Strategic Energy Investment Fund, to be used to support the creation of Tier 1 and solar sources in the state.				DC Renewable Energy Development Fund, to be used to support the creation of new solar sources in the District.				PA’s Sustainable Energy Funds, to fund projects that increase electric Energy generated from alternative Energy resources.				Delaware Green Energy Fund		
Solar Requirements	Yes, see below. Solar ACP Schedule: 2009: \$711 2016: \$323 2023: \$228 2010: \$693 2017: \$315 2024: \$218 2011: \$675 2018: \$308 2025: \$208 2012: \$658 2019: \$268 2026: \$198 2013: \$641 2020: \$258 2027: \$188 2014: \$339 2021: \$248 ... .. 2015: \$331 2022: \$238 2033: \$128				Yes, see below. Solar ACP Schedule: 2009 thru 2014: \$400 2015: \$350 2016: \$350 2017: \$195 2018: \$175 2019: \$100 2020: \$100 2021: \$80 2022: \$60 2023: \$45 2024: \$40, declining to \$22.35 in 2030 and thereafter				Yes, see below.				Yes, see below.				Yes, see below.		
RPS Percentages	Solar	Class I	Class II	Total	Solar	Tier I (incl solar)	Tier 2	Total	Solar	Tier I (incl solar)	Tier 2	Total	Solar	Tier I (incl solar)	Tier II	Total	n/a	Solar	Total (incl solar)
2004, or 04/05	0.010	0.740	2.5	3.25															
2005, or 05/06	0.017	0.983	2.5	3.5															
2006, or 06/07	0.0393	2.037	2.5	4.5763	0.00	1.0	2.5	3.5					.0013	1.5	4.2	5.7			
2007, or 07/08	0.0817	2.924	2.5	5.5057	0.00	1.0	2.5	3.5	0.005	1.5	2.5	4.0	.0030	1.5	4.2	5.7			2.0
2008, or 08/09	0.160	3.840	2.5	6.5	0.005	2.005	2.5	4.505	0.011	2.0	2.5	4.5	.0063	2.0	4.2	6.2		0.011	3.0
2009, or 09/10	0.221	4.685	2.5	7.406	0.010	2.01	2.5	4.51	0.019	2.5	2.5	5.0	.0120	2.5	4.2	6.7		0.014	4.0
2010, or 10/11	306 GWh	5.492	2.5	8.297	0.025	3.025	2.5	5.525	0.028	3.0	2.5	5.5	.0203	3.0	6.2	9.2		0.018	5.0
2011, or 11/12	442 GWh	6.320	2.5	9.214	0.05	5.0	2.5	7.5	0.400	4.0	2.5	6.5	.0325	3.5	6.2	9.7		0.20	7.0
2012, or 12/13	596 GWh	7.143	2.5	10.388	0.10	6.5	2.5	9.0	0.500	5.0	2.5	7.5	.0510	4.0	6.2	10.2		0.40	8.5
2013, or 13/14	2.05	7.977	2.5	12.527	0.25	8.2	2.5	10.7	0.500	6.5	2.5	9.0	.0840	4.5	6.2	10.7		0.60	10.0
2014, or 14/15	2.45	8.807	2.5	13.757	0.35	10.3	2.5	12.8	0.600	8.0	2.5	10.5	.1440	5.0	6.2	11.2		0.80	11.5
2015, or 15/16	2.75	9.649	2.5	14.899	0.50	10.5	2.5	13.0	0.700	9.5	2.5	12.0	.2500	5.5	8.2	13.7		1.00	13.0
2016, or 16/17	3.00	10.485	2.5	15.985	0.70	12.7	2.5	15.2	0.825	11.5	2.0	13.5	.2933	6.0	8.2	14.2		1.25	14.5
2017, or 17/18	3.20	12.325	2.5	18.025	1.15	13.1	2.5	15.6	0.98	13.5	1.5	15.0	.3400	6.5	8.2	14.7		1.50	16.0
2018, or 18/19	4.30	14.175	2.5		1.50	15.8	2.5	18.3	1.15	15.5	1.0	16.5	.3900	7.0	8.2	15.2		1.75	17.5
2019, or 19/20	4.90	16.029	2.5		5.50	20.7	2.5	23.2	1.50	17.5	0.5	18.0	.4433	7.5	8.2	15.7		2.00	19.0
2020, or 20/21	5.10	21.00	2.5		6.0	28.0	2.5	30.5	1.70	20.0	0.0	21.7	.5000	8.0	10.0	18.0		2.25	20.0
2021, or 21/22	5.10	--	2.5		7.5	30.8		30.8	1.85	26.25	0.0	28.1						2.50	21.0

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2022, or 22/23	5.10	--	2.5		8.5	33.1		33.1	2.175	32.5	0.0	34.675					2.75	22.0
2023, or 23/24	4.90	--	2.5		9.5	35.4		35.4	2.50	38.75	0.0	41.25					3.00	23.0
2024, or 24/25	4.80	35.00	2.5		10.5	37.7		37.7	2.60	45	0.0	47.60					3.25	24.0
2025, or 25/26	4.50	--	2.5		11.5	40.0		40.0	2.85	51.25	0.0	54.10					3.50	25.0
2026, or 26/27	4.35	--	2.5		12.5	42.5		42.5	3.15	57.5	0.0	60.65						
2027, or 27/28	3.74	--	2.5		13.5	45.5		45.5	3.45	63.75	0.0	67.20						
2028, or 28/29	3.07	--	2.5		14.5	47.5		47.5	3.75	70	0.0	73.50						
2029, or 29/30	2.21	50.00	2.5		14.5	49.5		49.5	4.10	76.25	0.0	80.35						
2030, or 30/31	1.58				14.5	50.0		50.0	4.50	82.5	0.0	87.00						
2031, or 31/32	1.40								4.75	88.75	0.0	93.50						
2032, or 32/33	1.10								5.00	95	0.0	100.00						

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	IL	OH	NC	MI	VA
Regulation or Legislation	Public Act 095-0481 (August 2007) PA 096-159 (Aug 2009) SB1652 (10/26/2011) HB 2427 (6/28/2014) SB2814 (12/2016)	SB 221 (May 2008) SB 315 (9/10/2012) SB 310 (May 2014) HB 6 (Oct 2019)	SB 3 (August 2007) SB 75 (April 2011)	Public Act 295, (October 6, 2008) Public Act 342 / SB 438 (Dec 2016)	SB 1416 (2007) HB 1994 (2009) HB 1022 (7/2010) HB 232 and HB 1102 (7/2012) HB 2261 (2/2013)
Geographic Eligibility	Resources must be procured from facilities located in Illinois or states that adjoin Illinois.	The renewable energy requirement must be met by in-state facilities and resources that can be shown to be deliverable into the state.	Utilities may use unbundled RECs from out-of-state renewable energy facilities to meet up to 25% of the portfolio standard. Qualifying out-of-state facilities are (1) hydroelectric power facilities with a generation capacity up to 10 MW, or (2) renewable energy facilities placed into service on or after January 1, 2007.	Renewable energy credits used to satisfy the renewable energy standards shall be either 1) located anywhere in this state or 2) located outside of this state in the retail electric customer service territory of a utility recognized by the Michigan PSC.	Electricity must be generated or purchased in Virginia or in the interconnection region of the regional transmission entity.
Reporting Period	June 1 <sup>st</sup> to May 31 <sup>st</sup> . Compliance reports due 9/1.	January 1 <sup>st</sup> to December 31 <sup>st</sup> . Compliance reports due 4/15.	January 1 <sup>st</sup> to December 31 <sup>st</sup> .	January 1 <sup>st</sup> to December 31 <sup>st</sup> .	January 1 <sup>st</sup> to December 31 <sup>st</sup> . Reports due annually on November 1 <sup>st</sup> .
Banking		RECs have a lifetime of five years following their purchase or acquisition	On or after January 1, 2008 an Energy supplier can receive and accumulate RECs. Excess REC's can be applied to the next year's compliance target.		RECs acquired after January 1, 2014 will expire after five years.
Credit Multipliers	No	No	Triple credit for every one REC generated by the first 20 MW of a biomass facility located at a "cleanfields renewable energy demonstration park."	<ul style="list-style-type: none"> <li>• Solar receives an additional 2 credits per MWh</li> <li>• Lesser bonuses awarded for on-peak production, storage, and using in-state labor or equipment</li> </ul>	<ul style="list-style-type: none"> <li>• Wind and solar power receive a double credit toward RPS goals.</li> <li>• Offshore wind: triple credit</li> </ul>
Technology - Specific Requirements (set asides)	75% from Wind and Solar PV	<ul style="list-style-type: none"> <li>• 0.5% from solar energy resources by 12/31/2026.</li> </ul>	<ul style="list-style-type: none"> <li>• 0.2% solar by 2018</li> <li>• 0.2% energy recovery from swine waste by 2018</li> <li>• 900,000 MWh of electricity derived from poultry waste by 2015.</li> </ul>	None.	None.

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Renewable Energy Sources	Renewable energy resources: <ul style="list-style-type: none"> <li>• wind,</li> <li>• solar thermal energy, photovoltaic cells and panels,</li> <li>• biodiesel,</li> <li>• crops and untreated and unadulterated organic waste biomass,</li> <li>• tree waste,</li> <li>• anaerobic digestion,</li> <li>• in-state landfill gas,</li> <li>• hydropower that does not involve new construction or significant expansion of hydropower dams, and</li> <li>• “other alternative sources of environmentally preferable energy.”</li> </ul>	Renewable Energy sources: <ul style="list-style-type: none"> <li>• solar photovoltaics (PV),</li> <li>• solar thermal,</li> <li>• wind,</li> <li>• geothermal,</li> <li>• biomass,</li> <li>• biologically derived methane gas,</li> <li>• landfill gas,</li> <li>• certain non-treated waste biomass products,</li> <li>• fuel cells that generate electricity and</li> <li>• qualified hydroelectric facilities.</li> <li>• certain cogeneration and waste heat recovery system technologies</li> <li>• run-of-the-river hydroelectric systems on the Ohio River exceeding 40 MW capacity</li> <li>• biological methane gas not converted into electricity.</li> </ul>	Renewable sources: <ul style="list-style-type: none"> <li>• solar-electric photovoltaics,</li> <li>• solar thermal,</li> <li>• wind,</li> <li>• hydropower up to 10 MW,</li> <li>• ocean or wave energy,</li> <li>• biomass,</li> <li>• landfill gas,</li> <li>• waste heat from renewables, and</li> <li>• hydrogen derived from renewables.</li> <li>• energy efficiency technologies (up to 25% of requirement), including CHP systems powered by non-renewable fuels.</li> <li>• electricity demand reduction (up to 100%)</li> </ul>	Eligible Renewables include: <ul style="list-style-type: none"> <li>• biomass,</li> <li>• solar and solar thermal,</li> <li>• wind,</li> <li>• landfill gas,</li> <li>• water released through a dam,</li> <li>• waves, tides, or currents,</li> <li>• geothermal,</li> <li>• municipal solid waste</li> </ul> <p>Credits from Energy Optimization and Advanced Cleaner Energy Systems (defined below) can be used to satisfy up to 10% of the renewable energy requirement</p>	Eligible energy resources: <ul style="list-style-type: none"> <li>• solar,</li> <li>• wind,</li> <li>• geothermal,</li> <li>• hydropower,</li> <li>• wave,</li> <li>• tidal,</li> <li>• biomass energy,</li> <li>• landfill gas,</li> </ul> Research and development expenses related to renewable energy can meet up to 20% of the RPS goal.
Alternative Energy Sources	Distributed generation: <ul style="list-style-type: none"> <li>• must be 2 MW or less and powered by wind, solar thermal, PV, biodiesel, biomass, tree waste, or hydropower.</li> <li>• must be interconnected on the customer side of the electric meter at the distribution system level.</li> <li>• distributed generation may also count toward the wind and solar requirements.</li> </ul>	n/a	n/a	Energy Optimization may include: energy efficiency, load management, or energy conservation. <p>Advanced Cleaner Energy System is any of the following:</p> <ul style="list-style-type: none"> <li>• Gasification,</li> <li>• industrial cogeneration, and</li> <li>• coal-fired facilities that capture and sequester (CCS) 85% of carbon dioxide emissions</li> </ul>	n/a

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Alternative Compliance Payment (ACP)	For compliance year June 2016 to May 2017, the ACP is \$1.7351/MWh of sales for ARES operating in Ameren territory and \$1.2815/MWh of sales for ARES operating in ComEd territory.				REC - \$45/MWh Solar -\$300 for 2014, 2015, and 2016; \$250 for 2017 and 2018; and \$200 for 2019.			None. Recoverable costs are capped.				Not applicable for the Renewable Energy Requirement.			None. It is a voluntary goal.		
Beneficiary of ACP	Renewable Energy Resources Fund.				Ohio Advanced Energy Fund, which provides financial support to renewable energy and energy efficiency projects within the state.			n/a				n/a			n/a		
Solar Requirements	Yes, see below.				Yes, through 2019 (see below).			Yes, see below.				n/a			n/a		
RPS Percentages	For Electric Utilities:					Solar	Total	Solar	Swine Waste	Poultry Litter (GWh)	Total			Total			Total (% of 2007 sales)
	Wind	Solar	Dist. Gen.	Total													
2008, or 08/09	1.5			2.0%													
2009, or 09/10	3.0			4.0%		0.004%	0.25%										
2010, or 10/11	3.75			5.0%		0.010%	0.50%	0.02%									4.0%
2011, or 11/12	4.50			6.0%		0.030%	1.0%	0.02%									4.0%
2012, or 12/13	5.25	0.0035		7.0%		0.060%	1.5%	0.07%	0	0	3.0%			2%			4.0%
2013, or 13/14	6.00	0.12	0.040	8.0%		0.090%	2.0%	0.07%	0.07%	170	3.0%			3.33%			4.0%
2014, or 14/15	6.75	0.27	.0675	9.0%		0.12%	2.5%	0.07%	0.07%	700	3.0%			5%			4.0%
2015, or 15/16	7.50	0.60	0.100	10.0%		0.12%	2.5%	0.14%	0.14%	900	6.0%			10%			4.0%
2016, or 16/17	8.625	0.69	0.115	11.5%		0.12%	2.5%	0.14%	0.14%	900	6.0%			10%			7.0%
2017, or 17/18				13.0%		0.15%	3.5%	0.14%	0.14%	900	6.0%			10%			7.0%
2018, or 18/19				14.5%		0.18%	4.5%	0.20%	0.20%	900	10.0%			10%			7.0%
2019, or 19/20				16.0%		0.22%	5.5%	0.20%	0.20%	900	10.0%			12.5%			7.0%
2020, or 20/21				17.5%		0%	5.5%	0.20%	0.20%	900	10.0%			12.5%			7.0%
2021, or 21/22				19.0%		0%	6.0%	0.20%	0.20%	900	12.5%			15%			7.0%
2022, or 22/23				20.5%		0%	6.5%										12.0%
2023, or 23/24				22.0%		0%	7.0%										12.0%
2024, or 24/25				23.5%		0%	7.5%										12.0%
2025, or 25/26				25.0%		0%	8.0%										15.0%
2026, or 26/27						0%	8.5%										

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	IN	WV	KY	TN	
Regulation or Legislation	SB 251 (May 2011)	None. HB2010 (January 2015) repealed the Alternative and Renewable Energy Portfolio standard	None.	None.	
Geographic Eligibility	Clean energy must be generated by a facility located in a control area that is part of a regional transmission organization of which an electricity supplier is a member. At least 50% must originate in Indiana.				
Reporting Period	January 1 <sup>st</sup> to December 31 <sup>st</sup> . Reports due annually on March 1 beginning in 2014				
Banking					
Credit Multipliers	None.				
Technology - Specific Requirements (set asides)	None.				
Renewable Energy Sources	Clean energy resources: wind; solar energy; photovoltaic cells and panels; dedicated crops grown for energy production; organic waste biomass; hydropower; fuel cells; hydrogen; energy from waste to energy facilities; energy storage systems or technologies; geothermal energy; coal bed methane; industrial byproduct technologies that use fuel or energy that is a byproduct of an industrial process; waste heat recovery; demand side management or energy				



### Comparison of Renewable Portfolio Standards (RPS) Programs in PJM States

			IN	WV			KY			TN					
	efficiency initiatives; nuclear energy; combined heat and power systems; natural gas that displaces electricity from coal; clean coal technology; and net metered distributed generation facilities														
Alternative Energy Sources	See above.														
Alternative Compliance Payment (ACP)	None. It is a voluntary goal.														
Beneficiary of ACP	n/a														
Solar Requirements	n/a														
RPS Percentages			Total (% of 2010 sales)												
2010, or 10/11															
2011, or 11/12															
2012, or 12/13															
2013, or 13/14			4.0%												
2014, or 14/15			4.0%												
2015, or 15/16			4.0%												
2016, or 16/17			4.0%												
2017, or 17/18			4.0%												
2018, or 18/19			4.0%												
2019, or 19/20			7.0%												
2020, or 20/21			7.0%												
2021, or 21/22			7.0%												
2022, or 22/23			7.0%												
2023, or 23/24			7.0%												
2024, or 24/25			7.0%												
2025, or 25/26			10.0%												