



Ohio Senate Bill 221

Alternative Energy Portfolio Standard

Alternative Energy Technologies	2025 R.P.S. Benchmarks	In-State Requirements	Renewable Energy Credits	Enforcement/ Compliance Payments																																																			
<p>Renewable ORC 4928.01(A)(35)</p> <ul style="list-style-type: none"> Solar – Photovoltaic Solar – Thermal Wind Hydropower Certain Solid Waste Biomass Bio-Methane Gas Fuel Cells Wind Turbines – Lake Erie Off Peak Storage Facilities Utilizing Renewables Distributed Generation Facilities Utilizing Renewables 	<p>Renewable and Solar Benchmarks: 12.5% + ORC 4928.64(B)(2)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Y</th> <th>R</th> <th>S</th> </tr> </thead> <tbody> <tr><td>2009:</td><td>.25%</td><td>.004%</td></tr> <tr><td>2010:</td><td>.50%</td><td>.010%</td></tr> <tr><td>2011:</td><td>1.0%</td><td>.030%</td></tr> <tr><td>2012:</td><td>1.5%</td><td>.060%</td></tr> <tr><td>2013:</td><td>2.0%</td><td>.090%</td></tr> <tr><td>2014:</td><td>2.5%</td><td>.120%</td></tr> <tr><td>2015:</td><td>3.5%</td><td>.150%</td></tr> <tr><td>2016:</td><td>4.5%</td><td>.180%</td></tr> <tr><td>2017:</td><td>5.5%</td><td>.220%</td></tr> <tr><td>2018:</td><td>6.5%</td><td>.260%</td></tr> <tr><td>2019:</td><td>7.5%</td><td>.300%</td></tr> <tr><td>2020:</td><td>8.5%</td><td>.340%</td></tr> <tr><td>2021:</td><td>9.5%</td><td>.380%</td></tr> <tr><td>2022:</td><td>10.5%</td><td>.420%</td></tr> <tr><td>2023:</td><td>11.5%</td><td>.460%</td></tr> <tr><td>2024:</td><td>12.5%</td><td>.500%</td></tr> </tbody> </table>	Y	R	S	2009:	.25%	.004%	2010:	.50%	.010%	2011:	1.0%	.030%	2012:	1.5%	.060%	2013:	2.0%	.090%	2014:	2.5%	.120%	2015:	3.5%	.150%	2016:	4.5%	.180%	2017:	5.5%	.220%	2018:	6.5%	.260%	2019:	7.5%	.300%	2020:	8.5%	.340%	2021:	9.5%	.380%	2022:	10.5%	.420%	2023:	11.5%	.460%	2024:	12.5%	.500%	<p>At least 1/2 of renewable energy resources to be implemented by the utilities shall be met through facilities located in Ohio.</p> <p>The remainder shall be met with resources that can be shown to have been delivered into this state. ORC 4928.64(B)(3)</p>	<p>Utilities may use R.E.C.s in any of the 5 calendar years following acquisition to comply with both the renewable and solar energy resource requirements.</p> <p>1 R.E.C. shall equal 1 Mw Hour of electricity from renewable resources. ORC 4928.65</p>	<p>1) Annual PUCO Review ORC 4928.64(C)(1)</p> <p>2) If Not in Compliance: ORC 4928.64(C)(2)</p> <p>A) Solar Benchmark \$ per Mw hour :</p> <p>2009: \$450 2010: \$400 2012: \$350 2014: \$300 2016: \$250 2018: \$200 2020: \$150 2022: \$100 2024: \$50</p> <p>B) Renewable Benchmark 2009: \$45 Adjusted annually per CPI</p>
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<p>Advanced ORC 4928.01(A)(34)</p> <ul style="list-style-type: none"> Clean Coal Advanced Nuclear Energy Efficiency Fuel Cells Co-gen Certain Solid Waste <p>Mercantile Sited ORC 4928.01 (A)(1)</p> <ul style="list-style-type: none"> Real/Reactive Power Waste Heat Efficiency Demand/Load storage Advanced/Renewable 	<p>Advanced Energy Requirement: 12.5% ORC 4928.64(B)(1)</p>
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Key A.E.P.S. Cost Containment Mechanisms

3% Cost Cap	Force Majeure Provision
<p>Utilities not required to comply with benchmark to the extent compliance will result in 3+% increase in electricity production or acquisition costs. ORC 4928.64(C)(3)</p>	<p>Utility may request PUCO to determine whether renewable resources are sufficiently available to enforce R.P.S. benchmark requirement. If utility shows good faith effort to comply with renewable benchmarks but cannot, PUCO may reduce obligation. Modification does not automatically reduce future benchmarks. ORC 4928.64(C)(4)</p>

For more information contact:

Terrence O'Donnell	614.227.2345	todonnell@bricker.com
Kurt Tunnell	614.227.8837	ktunnell@bricker.com
Brett Breitschwerdt	614.227.2301	bbreitschwerdt@bricker.com