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Michigan

Legal Framework of RE Development and Incentive Structures

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MICHIGAN PUBLIC SERVICE COMMISSION



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Michigan Renewable Energy PA 295

- PA 295 was signed into law by Governor Granholm on October 6, 2008. ~Michigan's Clean, Renewable, and Efficient Energy Act
- Established a renewable portfolio standard for regulated utilities
- Meet some future energy needs through a combination of generation from renewable energy sources and energy efficiency efforts.





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Renewable Portfolio Standard

- 10 percent renewable energy standard (RPS) by 2015, with interim steps for 2012-13-14. Two big utilities can own only 50 percent of new renewables.
- Specific eligible technologies
- All utilities: 10 percent by 2015
Detroit Edison: 300 MW of new renewables by 2013 and 600 MW by 2015
Consumers Energy: 200 MW of new renewables by 2013 and 500 MW by 2015
- Credit Trading: MIRECS



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Wind Production Tax Credit (PTC)

- The PTC provides a price per kilowatt-hour tax credit for the energy produced over a decade for utility-scale wind producers.
- The PTC plays a critical role in the growth of clean, domestic wind power in Michigan and throughout the US.
- **Credit was set to expire at the end of 2012, but was extended through the end of 2013 for wind energy.**



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Proposal 3 2012 - Not Approved by Voters

- Increase RPS to 25 percent by 2025
- *Limit to not more than 1 percent per year electric utility rate increases charged to consumers only to achieve compliance*

Pro

- It's important for the environment.
- It will translate into \$10 million of new investments and at least 74,000 new jobs, while costing each household no more than \$1.25 each month

Con

- It's short-sighted and too expensive, costing Michiganders \$12 billion.
- No other state puts such a requirement in its constitution.



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Ensuring Michigan's Energy Future – Energy Campaign Governor Rick Synder

- Governor's initiative to gain public comment/information on views of renewable energy, energy efficiency and customer choice
- 40 renewable energy questions/427 Responses
- Michigan.gov/energy

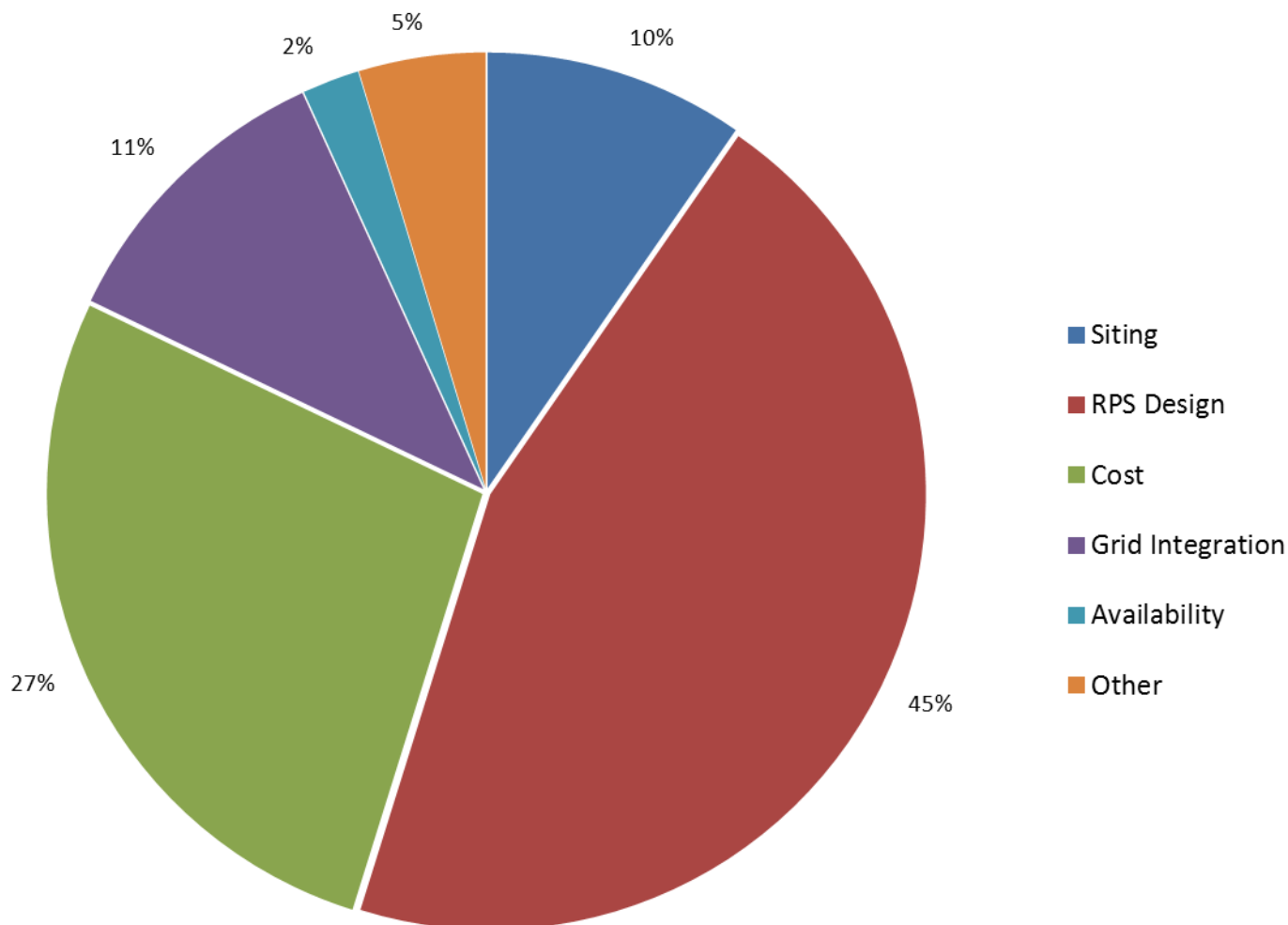


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Ensuring Michigan's Energy Future – Summary Responses



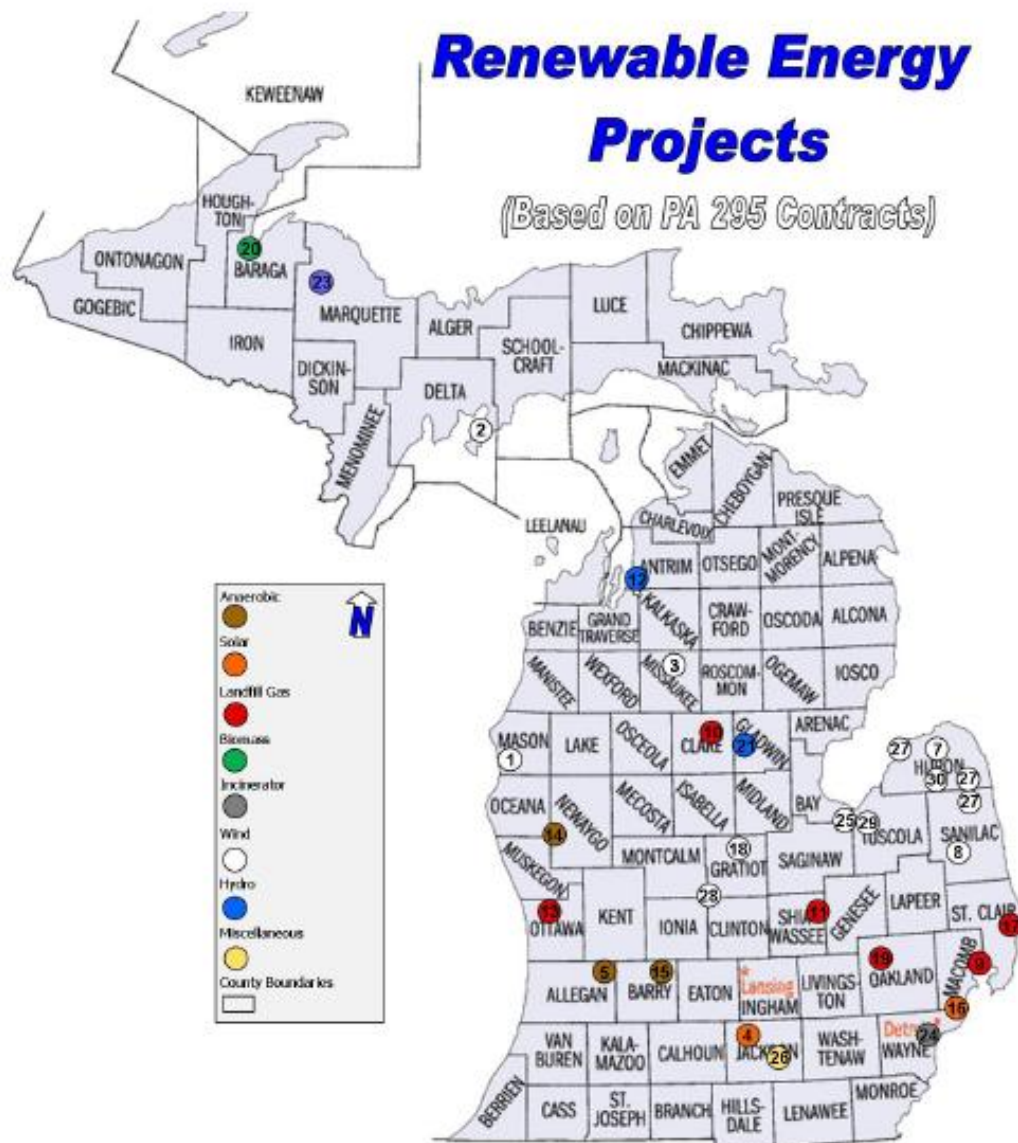


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Utility Scale Renewable Energy Projects





Number of Net Metering Customers

Number of Net Metering Customers	Color
0 Customers	White
Up to 10 Customers	Light Gray
11-50 Customers	Medium Green
51-100 Customers	Dark Green
100-150 Customers	Black
150+ Customers	Dark Gray

The map shows the following distribution of net metering customers by county:

- 0 Customers:** Lapeer, St. Clair, St. Ignace, St. Joseph, Hillsdale, Lenawee, Monroe, Wayne, Washtenaw, Jackson, Calhoun, Kalamazoo, Van Buren, Allegan, Barry, Eaton, Ingham, Livingston, Oakland, Macomb, and Monroe.
- Up to 10 Customers:** Leelanau, Benzie, Grand Traverse, Kalkaska, Crawford, Oscoda, Alcona, Wexford, Missaukee, Ogemaw, Arenac, Gladwin, Isabella, Midland, Bay, Saginaw, Gratiot, Montcalm, Ionia, Clinton, Shiawassee, Van Buren, Cass, St. Joseph, Branch, Hillsdale, Lenawee, Monroe, Wayne, Washtenaw, Jackson, Calhoun, Kalamazoo, Van Buren, Allegan, Barry, Eaton, Ingham, Livingston, Oakland, Macomb, and Monroe.
- 11-50 Customers:** Leelanau, Benzie, Grand Traverse, Kalkaska, Crawford, Oscoda, Alcona, Wexford, Missaukee, Ogemaw, Arenac, Gladwin, Isabella, Midland, Bay, Saginaw, Gratiot, Montcalm, Ionia, Clinton, Shiawassee, Van Buren, Cass, St. Joseph, Branch, Hillsdale, Lenawee, Monroe, Wayne, Washtenaw, Jackson, Calhoun, Kalamazoo, Van Buren, Allegan, Barry, Eaton, Ingham, Livingston, Oakland, Macomb, and Monroe.
- 51-100 Customers:** Leelanau, Benzie, Grand Traverse, Kalkaska, Crawford, Oscoda, Alcona, Wexford, Missaukee, Ogemaw, Arenac, Gladwin, Isabella, Midland, Bay, Saginaw, Gratiot, Montcalm, Ionia, Clinton, Shiawassee, Van Buren, Cass, St. Joseph, Branch, Hillsdale, Lenawee, Monroe, Wayne, Washtenaw, Jackson, Calhoun, Kalamazoo, Van Buren, Allegan, Barry, Eaton, Ingham, Livingston, Oakland, Macomb, and Monroe.
- 100-150 Customers:** Leelanau, Benzie, Grand Traverse, Kalkaska, Crawford, Oscoda, Alcona, Wexford, Missaukee, Ogemaw, Arenac, Gladwin, Isabella, Midland, Bay, Saginaw, Gratiot, Montcalm, Ionia, Clinton, Shiawassee, Van Buren, Cass, St. Joseph, Branch, Hillsdale, Lenawee, Monroe, Wayne, Washtenaw, Jackson, Calhoun, Kalamazoo, Van Buren, Allegan, Barry, Eaton, Ingham, Livingston, Oakland, Macomb, and Monroe.
- 150+ Customers:** Leelanau, Benzie, Grand Traverse, Kalkaska, Crawford, Oscoda, Alcona, Wexford, Missaukee, Ogemaw, Arenac, Gladwin, Isabella, Midland, Bay, Saginaw, Gratiot, Montcalm, Ionia, Clinton, Shiawassee, Van Buren, Cass, St. Joseph, Branch, Hillsdale, Lenawee, Monroe, Wayne, Washtenaw, Jackson, Calhoun, Kalamazoo, Van Buren, Allegan, Barry, Eaton, Ingham, Livingston, Oakland, Macomb, and Monroe.