

Renewable Energy Portfolio Composition

Revised: 3/10/2025

The Zeeland Board of Public Works (BPW) continues to bolster its position with respect to renewable energy and environmental sustainability, while delivering reliable service and maximum value to its customers. Since the adoption of Michigan Public Act 295 in 2008, the BPW has met or exceeded the renewable portfolio standard requirements through a combination of renewable energy credit (REC) market purchases and power purchase agreements. In recent years, the BPW has significantly increased its renewable energy portfolio by entering into long-term power purchase agreements with wind and solar developers through the Michigan Public Power Agency (MPPA) as more developers entered the region.

The BPW's renewable energy portfolio includes the resources below under contract, several of which are presently under construction:

Wind	Beebe Wind	2.3 MW	Commercial Operation Date: 12/2012
	Pegasus Wind	12.2 MW	Commercial Operation Date: 12/2019
Solar	Assembly Phase 1	6.4 MW	Commercial Operation Date: 12/2020
	Assembly Phase 2	7.8 MW	Commercial Operation Date: 12/2021
	Invenenergy Phase 1	8.0 MW	Commercial Operation Date: 4/2023
	Brandt Woods Solar	2.9 MW	Planned Commercial Operation Date: 6/2025
	WhiteTail Solar	2.8 MW	Planned Commercial Operation Date: 9/2025
	Hart Solar	5.6 MW	Planned Commercial Operation Date: 12/2026

Note: The capacity values above represent the BPW's allocation of installed nameplate generation capacity

Based on our most recent forecast models, the energy received from these renewable resources as a percentage of our retail energy sales is provided below for 2025-2029, along with actual data for 2023-2025. Projections will be adjusted as generation and sales forecasts are regularly updated.

Forecasted Renewable Energy Portfolio			
Year	Total Portfolio Renewables (%)	Composition	
		Wind (%)	Solar (%)
2023	17.2%	8.6%	8.6%
2024	18.2%	8.5%	9.8%
2025	18.4%	8.1%	10.3%
2026	20.2%	8.5%	11.7%
2027	21.8%	8.4%	13.4%
2028	21.5%	8.3%	13.2%
2029	21.1%	8.2%	13.0%

Although the annual renewable energy received from these sources may exceed the State's RPS requirement during this period, the BPW has and will continue to retire Renewable Energy Credits in accordance with the compliance requirement, carrying forward surplus RECs for future compliance as part of our Renewable Energy Compliance Plan. Voluntary green pricing programs are available for customers who wish to participate at a greater level.