

Dear Neighbor,

As your local public power utility, Holland BPW is dedicated to providing efficient, affordable, and reliable essential services. With the help of our Energy Waste Reduction (EWR) program, our community **improves energy efficiency and curtails carbon emissions** to protect the environment and quality of life in Holland. Our EWR program also offers rebates that help electric customers save money and reduce their bills.

Holland BPW has committed to doubling the savings goal of our EWR program even after State mandates for municipal utility programs recently expired. **In the following report, you'll find our program goals, kWh saved, program highlights from calendar year 2022, and information on our renewable energy power purchases.**

In addition to our EWR program, in fall of 2022 our team launched a **Beneficial Electrification (BE) rebate program**. When our customers choose to use electric instead of gas-powered tools and appliances, it's beneficial for customers, our utility, and the environment. To incentivize these positive choices, we began offering rebates for appliances such as heat pumps for HVAC and water heating as well as electric lawn tools. Look for more details on the early successes of the BE program in next year's report.

As always, thank you for your partnership as we work together to make energy efficient decisions that generate social, environmental, and economic value for our customers and the greater Holland community.

Thank you,



David G. Koster
General Manager



Save Energy and Money!

Scan the QR code or visit hollandbpw.com/rebates to view all EWR programs and apply for rebates today!



EWR Program Goals & Reporting (Percent of Total Electric Sales Saved by Waste Reduction Measures)

- 2009-2021: 1.0%
- 2022: 1.5%
- 2023: 1.75%
- 2024: 2.0%



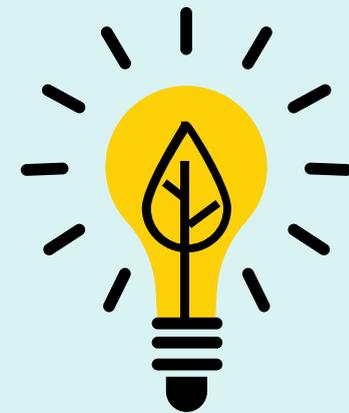
Holland Board of Public Works

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Holland, MI 49423

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Annual Summary Report 2022



Energy Waste Reduction & Renewable Energy Plan

Over 19 million kWh Saved Through Efficiency Programs

That's more electricity than 2,500 homes use per year!



Energy Waste Reduction

2022 Program Highlights:

We are proud to report that we **exceeded our goal** of saving 1.5% of total electric sales through waste reduction measures with an **actual percentage saved of 1.8%**! Thank you for your participation in these programs!

● **805** residential customers received rebates totaling over **\$80,000** for:

- Purchasing **1,231 ENERGY STAR** and other high-efficiency electric products.
- Recycling **327** freon-containing appliances.

● **1,810** customers received **over 60,000 FREE LED lightbulbs** through our free light bulb program, saving over **1.9 million kWh**.

● 53 commercial and industrial customers received **incentives totaling \$987,457**, saving **13 million kWh** in first-year savings alone.

● 73 small businesses received **\$249,257 in rebates** and saved **2 million kWh**.

● 4,302 A-line LED bulbs, 2,820 LED nightlights, 1,256 indoor/outdoor LED floodlights, and 1,200 strings of LED holiday lights for a total of **9,853 LEDs distributed** at community events.

● **148 customers received new beneficial electrification rebates** for electric mowers, string trimmers, leaf blowers, snow blowers, heat pumps and heat pump water heaters.

● **36 households participated** in our new free Home Energy 101 program. Residents received **1,325 air-sealing and other efficiency measures** to help save money on utility bills.

EWR Kilowatt Hour Savings

	2022 kWh Goal	2022 kWh Actual Saved
Residential	2,741,106	3,536,001
Business	13,338,958	15,511,555
Total	16,080,064	19,047,556

EWR Expenditures

	2022 Budget	2022 Expense
Residential	\$571,875	\$459,971
Business	\$1,631,508	\$1,175,905
Admin	\$50,325	\$9,191
Total	\$2,253,708	\$1,645,067

Renewable Energy Plan (REP) 2022 Program Highlights

● Holland BPW acquired Renewable Energy (RE) credits through power purchase agreements with:

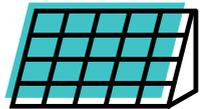
- Wildcat Wind Farm I
- Beebe 1B Wind Farm
- Pegasus Wind Farm
- Assembly I Solar
- Assembly II Solar
- North American Natural Resources (landfill gas)
- Energy Developments (landfill gas)



● Holland BPW also acquired **182,377 megawatt hours (MWh)** of renewable energy:

- 58,649 MWh of electricity from landfill gas
- 109,996 MWh from wind
- 13,732 MWh from solar

● 16.36% of Holland BPW's total sales were supplied by renewable energy sources.



Michigan Renewable Portfolio Standards (RPS)

Year	Required % Renewables	Yearly RE Supply	Banked RE Credit Progress
2018	10%	12.32%	10.39%
2019	12.5%	11.79%	5.39%
2020	12.5%	14.90%	3.06%
2021	15%	15.69%	4.41%
2022	None	16.36%	4.93%