

RENEWABLE ENERGY PLAN (REP)

During 2021, HBPW took the following actions to meet REP standards:

- Renewable energy (RE) credits were acquired 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) and Energy Developments (landfill gas).
- HBPW acquired 61,350 megawatt hours (MWh) of electricity from landfill gas, 99,673 MWh from wind, and 9,030 MWh from solar for a total of 170,053 MWh of renewable energy during the 2021 calendar year. This resulted in 15.69% of HBPW's total sales being supplied by renewable energy.
- Through the Michigan Public Power Agency (MPPA), HBPW authorized 17.7 megawatts (MW) of installed capacity from two solar projects in Michigan. Both projects are expected to be commercially operational in early 2024. These additions are expected to increase HBPW's total installed solar capacity to nearly 30 MW.

MICHIGAN RENEWABLE PORTFOLIO STANDARD (RPS)

STATE RE SUPPLY REQUIREMENTS:

2016	10%
2017	10%
2018	10%
2019	12.5%
2020	12.5%
2021	15%

HBPW's YEARLY RE SUPPLY:

2016	12.43%
2017	14.16%
2018	12.32%
2019	11.79%
2020	14.90%
2021	15.69%

HBPW's BANKED RE CREDIT PROGRESS*:

2016	12.24%
2017	13.80%
2018	10.39%
2019	5.39%
2020	3.06%
2021	4.41%



* RE credits in excess of the annual PA295 (amended by PA 341 & 342) RPS compliance requirements are banked for potential usage in meeting compliance requirements of future years.

ELECTIVE RENEWABLE ENERGY RATE

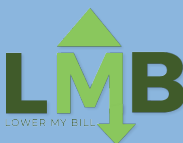
If you would like to power your home or business with 100% renewable electricity, HBPW offers this option at the low cost of \$0.01/kWh (added to your normal monthly bill). Find out more on our website.



Holland Energy Fund

Holland Energy Fund is a 501(c)3 nonprofit corporation that finances the Home Energy Retrofit and On-Bill Loan Programs for city residents.

Learn more at HollandEnergyFund.com.



Lower My Bill is a FREE home energy checkup. Schedule one today and learn how to save on your utility bills.

Call 616.393.5610

Find us on social media!



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Holland Board of Public Works

Energy Waste Reduction & Renewable Energy Plan

2021 ANNUAL SUMMARY REPORT

Dear Holland BPW Electric Customer,

As your local public power utility, Holland BPW is dedicated to providing efficient, affordable, and reliable essential services. With the help of our Energy Smart energy waste reduction (EWR) program, our community improves energy efficiency and curtails carbon emissions to protect the environment and quality of life in Holland. EWR programs also contribute to the reliability of Holland BPW's electric system and lower bills for our customers.

Recent changes in legislation gave us an opportunity to design our EWR program without oversight from Michigan Public Service Commission. As a strategically driven organization, we evaluated the effectiveness of our program with the help of a consultant. The results of the consultant's work show that our programs help customers take actions to lower their bills and reduce carbon emissions. It also showed that we have room to grow our EWR energy saving goals past what the former law allowed.

EWR Program Goals

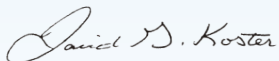
- 2009-2021: 1.0% of total sales saved
- 2022: 1.5% of total sales saved
- 2023: 1.75% of total sales
- 2024: 2.0% of total sales saved



Our new, more aggressive EWR goals will help us maintain low rates into the future; as our community grows, overall energy demand increases. Energy-smart behaviors delay the need for Holland BPW to make capital investments in new power generation resources, so we can continue to offer some of the lowest electric rates in Michigan.

Holland BPW's EWR program generates social, environmental, and economic value for its customers and the greater Holland community. Helping customers to be efficient in energy use drives our mission to be socially and environmentally responsible. EWR is proven to be cost effective for customers and the utility. Efficient use of our resources is a win-win that helps the community of Holland to flourish!

Thank you,


David G. Koster,
General Manager

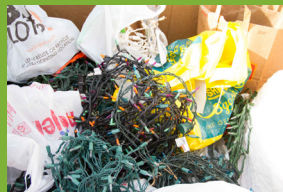
MORE THAN 16 MILLION KWH SAVED THROUGH EFFICIENCY PROGRAMS... the equivalent usage by more than 2,100 homes per year!

Pursuant to 2008 Public Act 295 (amended by PAs 341 and 342) Holland Board of Public Works (HBPW) is providing this annual summary of the Energy Waste Reduction (EWR) and Renewable Energy Plan (REP) results for the calendar year 2020.

ENERGY WASTE REDUCTION

Highlights of actions taken to meet State EWR standards:

- In 2021, **1,608 HBPW residential customers** (1,457 in 2020) received rebates for purchasing **3,441 ENERGY STAR** and other high-efficiency electric products for their homes, including appliances, air conditioners, electronically commutated motors (ECM) on furnaces, LED light bulbs, and more. Customers received rebates totaling more than **\$190,000**, saving more than **1.8 million** kilowatt hours of electricity.
- Promoting the dramatic energy-saving benefits of ENERGY STAR light-emitting diode (LED) technology, HBPW distributed 30,869 free A-line bulbs, 11,453 indoor/outdoor floodlights, and 473 programmable thermostats at community events and through the Free Light Bulb home delivery program.
- In 2021, **49 commercial and industrial customers** received incentives totaling **\$617,116** for upgrading lighting to LED and installing high-efficiency equipment. The first year energy savings from these projects totaled **10 million kWh!**
- The NEW Small Business program helped **118 companies** receive **\$494,945** in rebates and saved **4 million kWh** (**4 times more than 2020 in both rebates and kWh!**)
- Holland BPW provided **2,250 60W A19 light bulbs** at no cost to Community Action House for Food Club members that can be purchased through the the food point system.



At the Holiday Light Exchange, we gave out 1,200 strands of new, LED string lights and recycled 1,259 pounds of old, incandescent holiday lights! These were properly recycled at PADNOS.

The table below shows the number of kilowatt hours (kWh) saved in 2021 compared to state requirements and how much was spent compared to what the state allowed. Also shown are the goals and budgets for 2022 which reflect an increased kWh savings goal of 1.5% of total electric sales (up from 1.0%).

EWR KWH SAVINGS

2021 kWh Goal	2021 kWh Saved	2022 kWh Goal
213,533	119,513	274,111
1,681,823	2,000,996	2,466,995
5,595,645	14,011,384	13,338,958

TOTALS

7,491,001	16,131,894	16,080,064
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EWR EXPENDITURES

2021 Allowance	2021 Spent	2022 Allowance
\$96,066	\$22,021	\$50,000
\$514,002	\$281,233	\$575,000
\$1,230,700	\$1,247,014	\$1,774,308
\$94,364	\$3,996	\$15,000
\$37,854	\$33,054	\$40,000

TOTALS

\$1,973,256	\$1,587,319	\$2,454,308
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- LOW INCOME
- RESIDENTIAL
- BUSINESS
- ADMINISTRATION
- EVALUATION*

*HBPW contracted an independent auditor to verify the incremental gross energy savings for each EWR program for 2021. DNV GL Inc. reported that HBPW has met the energy savings requirement of PA 295.