

Leading the way in safe and responsible energy.

LEADING IN RENEWABLES

A joint venture with Berwick and Antigonish, the 10-turbine AREA wind farm in Ellershouse supplies much of our power needs. In 2020 the Town's supply exceeds 60% renewable and with the planned community solar garden we're hoping to add an additional 12-18%.

REDUCING GREENHOUSE GAS EMISSIONS

The Town is planning for the future, not just ensuring a reliable supply of clean energy, but also helping residents to make smart decisions on how they use it. Heat pumps, electric vehicles, every choice makes a difference.

OUR CREW

Mahone Bay owns its own lines and has a dedicated crew on call to keep the lights on. We work closely with the Riverport Electric Commission and other municipal utilities. Residents are kept informed about outages using the Town's CodeRED alert system.

Mahone Bay can set a powerful example.

Our electrical utility proudly serves over 750 customers in Mahone Bay and area and has done so since 1919. Over the past 100 years we've worked together to build a modern system that's efficient, affordable and resilient. We are leading the way to a green future with renewable energy and new programs to help residents cut carbon emissions and reduce their energy bills.

Electrical Assets



ELECTRICAL ASSETS AT A GLANCE

Mahone Bay's electrical system includes:

- 471 Utility Poles (\$1,825,125)
- 308 Street Lights (\$4,358,600)
- 124 Transformers (\$3,720,000)

Values are estimated replacement value

KEY 2020-21 CAPITAL PROJECTS:

- \$5,205,684 for community Solar Garden (on receipt of 73% external funding)
- \$60,000 for installation of six new electric vehicle (EV) charging stations (with \$30,000 in NRCan funding)

ASSET MANAGEMENT GOALS

- Provide lowest possible energy costs while reinvesting in the system
- Extend services to support new development
- Increase renewable / own-source energy generation
- Support electrification (home heating, transportation)

RISKS:

- Import rates / transmission tariffs

UTILITY SERVICE

The Town of Mahone Bay supplies electricity to approximately 725 customers located within the Town, as well as 26 customers near the Town limit in Mader's Cove.

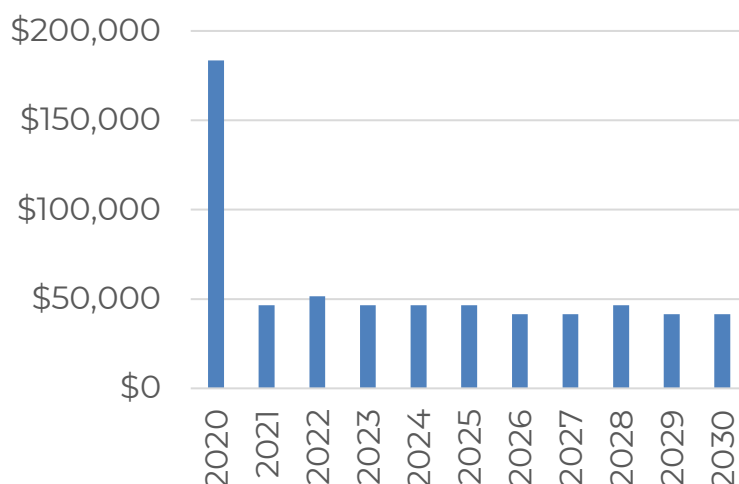
The Town also partners with the Riverport Electrical Commission, sharing staff and equipment.

RENEWABLE ENERGY

The Town is part owner of the Alternative Resource Energy Authority (AREA) which has operated the Ellershouse Windfarm since December 2015, supplying over 40% of our electrical load (exceeding Provincial targets). Plans for a community solar garden are also in the works.

Electricity not generated by own-sources is purchased on the open market to obtain the best value for customers. For 2020 we are purchasing from NB Power, bringing our balance of supply to over 60% renewable sources.

10-year Capital Investment Plan



Average bi-monthly bills for residential electrical customers in Mahone Bay:

2017	2018	2019	2020
\$250.17	\$266.64	\$271.45	\$277.62

Rates pay for electric utility operating costs and important capital projects. Your bill is a function of the utility's rates and your household's power consumption.

Did you know? The Town's electrical grid is divided into three circuits; Kedy's landing is served separately from NSPI's Oakland grid.