

Annual General Meeting (AGM)

Halton Hills Community Energy Corporation
Fiscal Year 2022 Annual Report

June 19th, 2023



Halton Hills Community Energy Corporation



Regulated electricity distributor
No lost time injuries in 2022



Underground civil construction
Electrical Services
Streetlighting



Forestry
Powerline clearing trained
Vegetation management
No lost time injuries in 2022

Shareholder Returns

Total Distributions Paid Since 2001:

\$48,748,178

HHCEC Financial Statements Highlights

	2022	2021	Y/Y Change
Total revenue	82,332,811	81,330,487	1%
Net income (loss) for the year	11,346,030	6,617,313	71%



Halton Hills Hydro

Halton Hills Hydro by the Numbers

- **Customers Served:** 20,787 Residential, 2,121 Commercial, 5,300 Other
- **Area Serviced:** 281 sq. km. – split 9.3% urban and 90.7% rural
- **Number of Poles:** 9,485
- **Number of Transformers:** 4,076
- **Power Delivered (2022):** 500,875,607 kWhs
- **Number of Employees:** 48 FTEs
- **2023 Residential Increase:** 1.8%
- **HHH Portion of a Residential Bill:** ~29%

As per most recent scorecards made available by the OEB (2021) on Efficiency Benchmark:

- **HHH Ranked – 6** out of 59 in the province
- Determined based on demographic, rural or urban, cost/customer, cost per km, etc.

As per customer survey in 2022, we received a ranking of **“A”** in customer satisfaction.

Halton Hills Hydro 2022 by the Numbers

96.29%

*Calls answered
within 30 seconds*

99.26%

Appointments Met

18,726

Calls Answered

99.96%

*First Contact
Resolution*

99.6%

*IT Systems Up
Time*

165

*New Services
Connected*

73 [57]

*Transformers
Installed*

153 [60]

Poles Changed

5,375 [4,909]

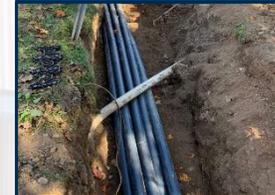
*Cable locates
performed*

[] Denotes 2021

HHH Assets



924 Km
Overhead Lines



777 Km
Underground Cable



4076
Transformers



9485
Poles

May 21, 2022 Wind Storm

- A strong Derecho with sustained wind speeds of 120 km/h moved through Southern Ontario in the early afternoon of May 21, 2022;
- Most severe storm Halton Hills has experienced since the ice storm of December 2013;
- First long weekend of summer, many staff returned early from vacation to provide assistance;
- At the peak of the storm, 10,627 customers were without power;
- In 24 hours, power to 83% of customers had been restored.



Halton Hills Hydro Electrification Strategy

- Most recently, and in conjunction with our GridSmart City partners, HHH has created an electrification strategy;
- The adoption of EVs and the use of electricity for space heating is expected to create greater demand and changing Halton Hills to a winter peaking area;
- Available on the Halton Hills Hydro's website.

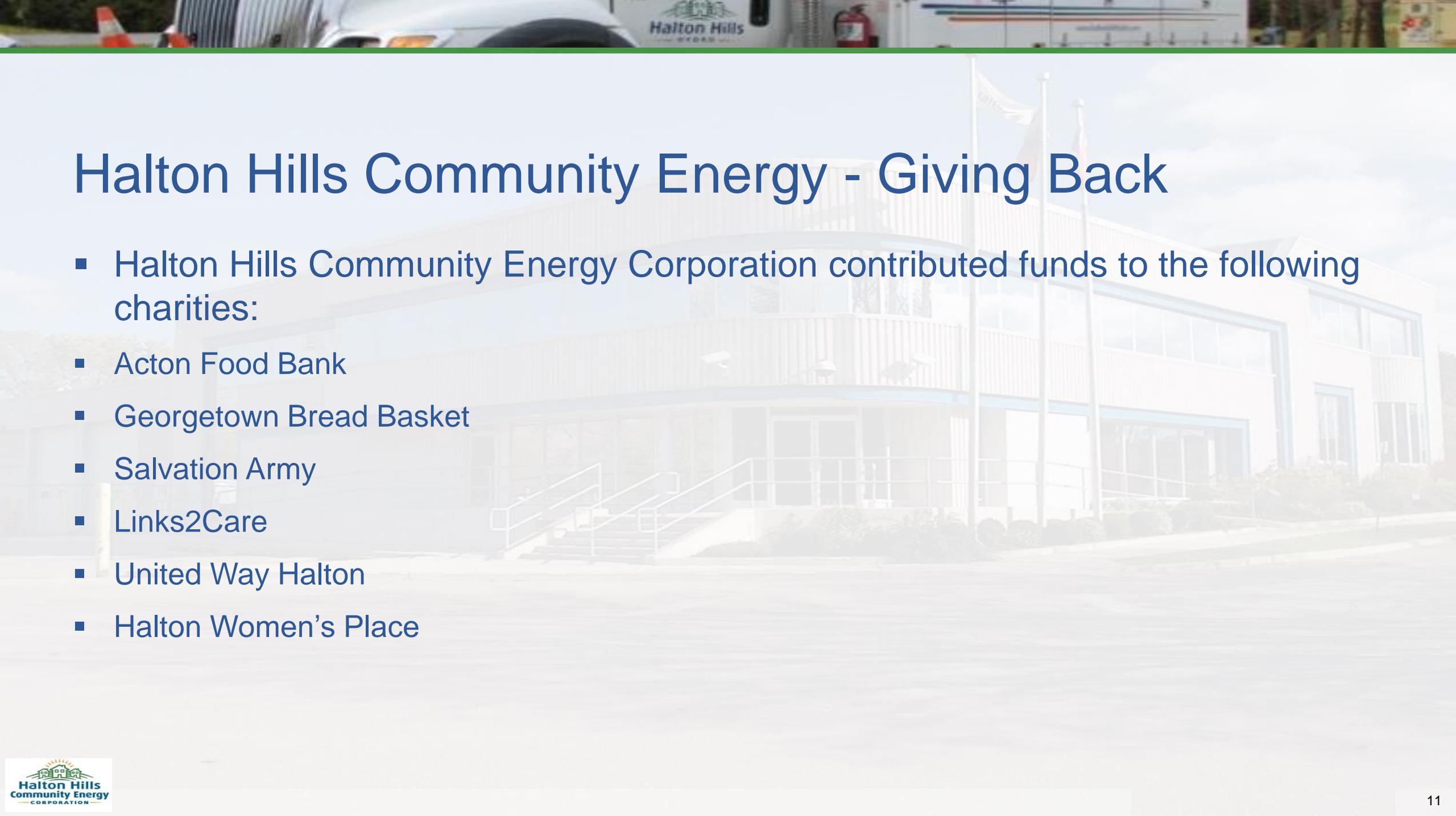


Research Partners



**Toronto
Metropolitan
University**

- ICE Harvest Project:
 - Funded research through GridSmart City
 - Research looks at ways to capture waste heat
- Research on the Impact of Decarbonization of Heating on the Electrical Grid:
 - Supporting their Natural Sciences and Engineering Research Council of Canada (NSERC) funding application
- 5 year research into energy storage solutions for zero carbon 2050 electric distribution systems
 - Supported their successful Natural Sciences and Engineering Research Council of Canada (NSERC) + Mitacs Alliance grant funding;



Halton Hills Community Energy - Giving Back

- Halton Hills Community Energy Corporation contributed funds to the following charities:
- Acton Food Bank
- Georgetown Bread Basket
- Salvation Army
- Links2Care
- United Way Halton
- Halton Women's Place

Distribution System Automation

A Journey to Distribution Excellence



Throughout 2022, and ongoing, HHH has worked to elevate the level of automation of its grid.

- Grid automation allows Halton Hills Hydro's system to self report its health through alerts or interrogation and be remotely monitored and controlled;
- Automated switches can be opened or closed remotely to redirect power and can report on their health;
- Smart Fault Circuit Indicators (FCIs) report on the grid's current health to effectively pinpoint problems to facilitate repairs and reduce truck patrols;
- An ongoing focus on automation can assist with greater customer adoption of electrification and a future self-healing grid.



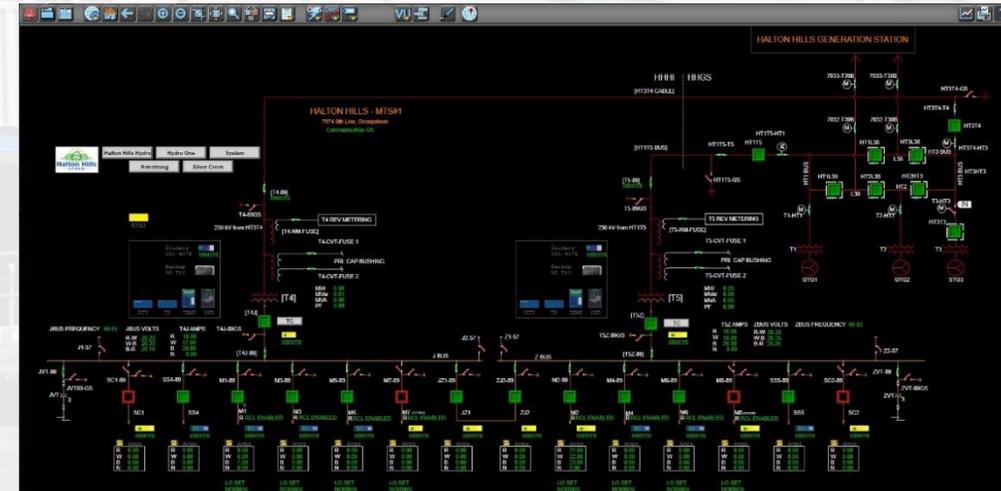


Customer and System Benefits

- Positions HHH for greater electrification of our community;
- Improves reliability with faster restoration times;
- Faster fault detection and sectionalizing of feeders to isolate faults and restore customers in non-faulted feeder segments;
- Load balancing during peak periods to prevent overloads on feeders;
- Enhance remote restoration operating sequences for critical loads (i.e. hospital);
- Positions HHH for a future self-healing grid capability.

Specific examples of benefits derived from grid automation

- **Acton:** During a contingency event involving loss of supply to the main Acton feeder an operator may restore the Town by isolating the main feeder supply point and feeding the Town by the backup feeder supply point, all remotely.
- **Georgetown:** Developing contingency event planning procedures is underway to handle loss of supply or fault on the feeder south of the hospital. In the future, a remote operator may effect restoration by isolating the main feeder supply point and back-feeding from an alternate feeder using the automated switches.



Other ways the group of companies support our community

- Fire truck vehicle servicing;
- Water billing on behalf of the Region;
- Participation in community events, e.g. *Race to Net Zero* event;
- Sponsorship of installation of Osprey Tower at Fairy Lake;
- SouthWestern Energy donates its time to install and remove *Light Up the Hills* lighting.



Initiatives to be launched in 2023



- Green Button is a standardized data format that gives residential and business energy customers an option to easily access and securely transfer their energy usage data;
- This is in addition to our Account Online service.
- An additional rate option will be introduced later this year;
- Targeted at EV owners but may also be attractive to solar and energy storage residential generators.

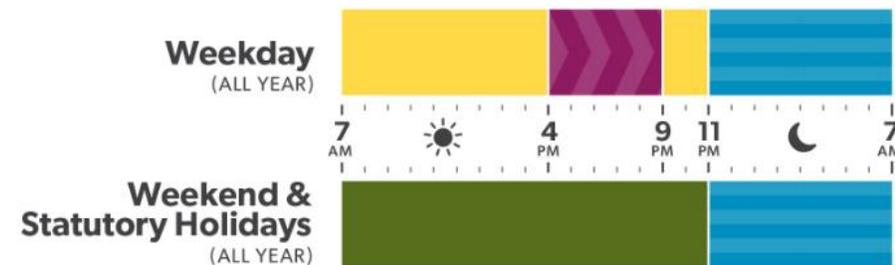
Ultra-Low Overnight (ULO) Rate

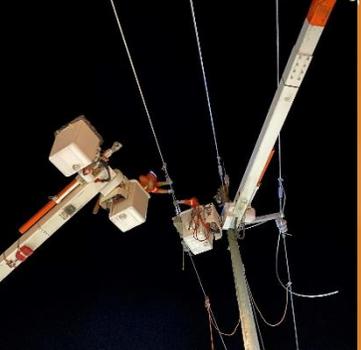
ULO On-Peak
XX.X ¢/kWh

ULO Mid-Peak
XX.X ¢/kWh

ULO Weekend Off-Peak
XX.X ¢/kWh

ULO Ultra-Low Overnight
XX.X ¢/kWh





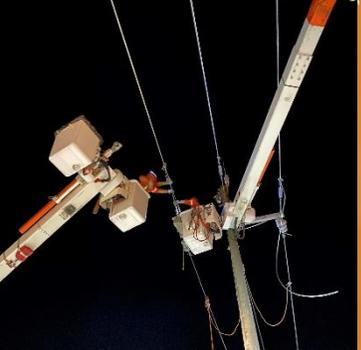
Quality Tree Service

Quality Tree Service

- The company is the preeminent utility forestry company with employees highly trained and proficient at working safely around energized powerlines;
- Knowledgeable and experienced team of Arborists, Apprentices and Groundspeople;
- Offers a full range of arborist services to maintain and improve the health of customers trees, including:
 - Tree, hedge and shrub shaping and pruning
 - Cabling and bracing to help support and prolong the life of damaged trees
 - Deep root fertilizing
 - Advice and care tips
- Customers include:
 - Utilities;
 - Municipalities;
 - Businesses;
 - and Residential.



Quality Tree Service contributes woodchips for use in Halton Hills trails, parks and around trees.



SouthWestern Energy

SouthWestern Energy

- SouthWestern Energy (SWE) is the best in class choice for utility service construction, high voltage construction and maintenance and outdoor lighting;
- Revenue is based on civil construction and maintenance projects; electrical and streetlighting services and utility billing services;
- Customer segments include municipalities, utilities and developer markets;
- SWE places safety as a priority and is a member of the IHSA's COR program;
- SouthWestern Energy donates its time to install and remove *Light Up the Hills* lighting.





Thank you!