
Unlocking the Electricity Potential in your Community



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Powering Tomorrow.



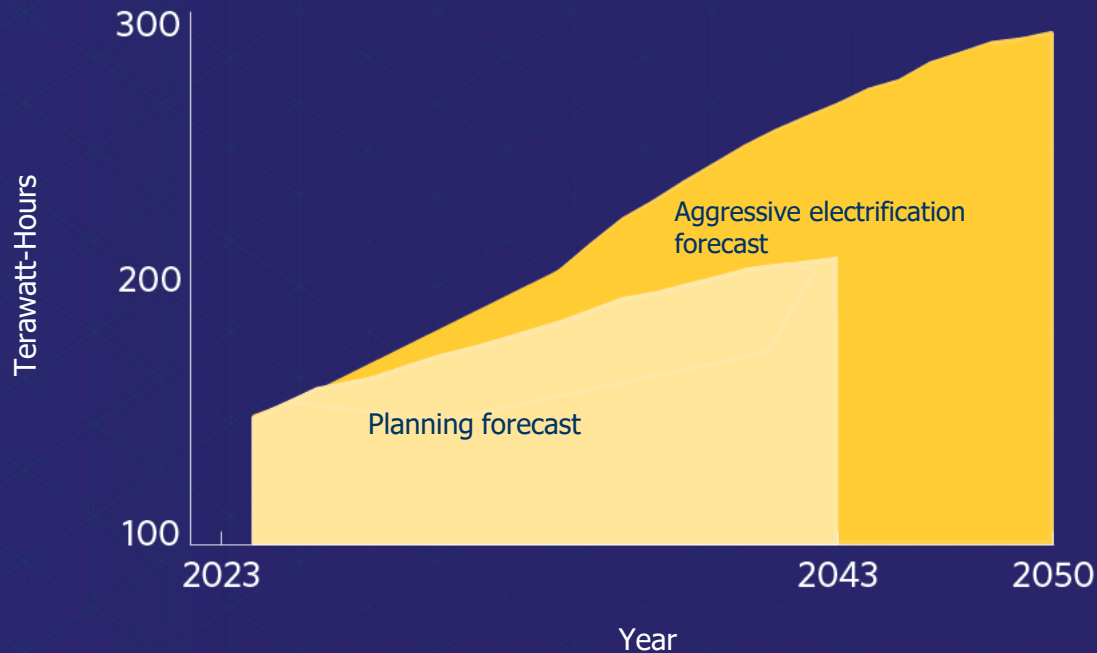
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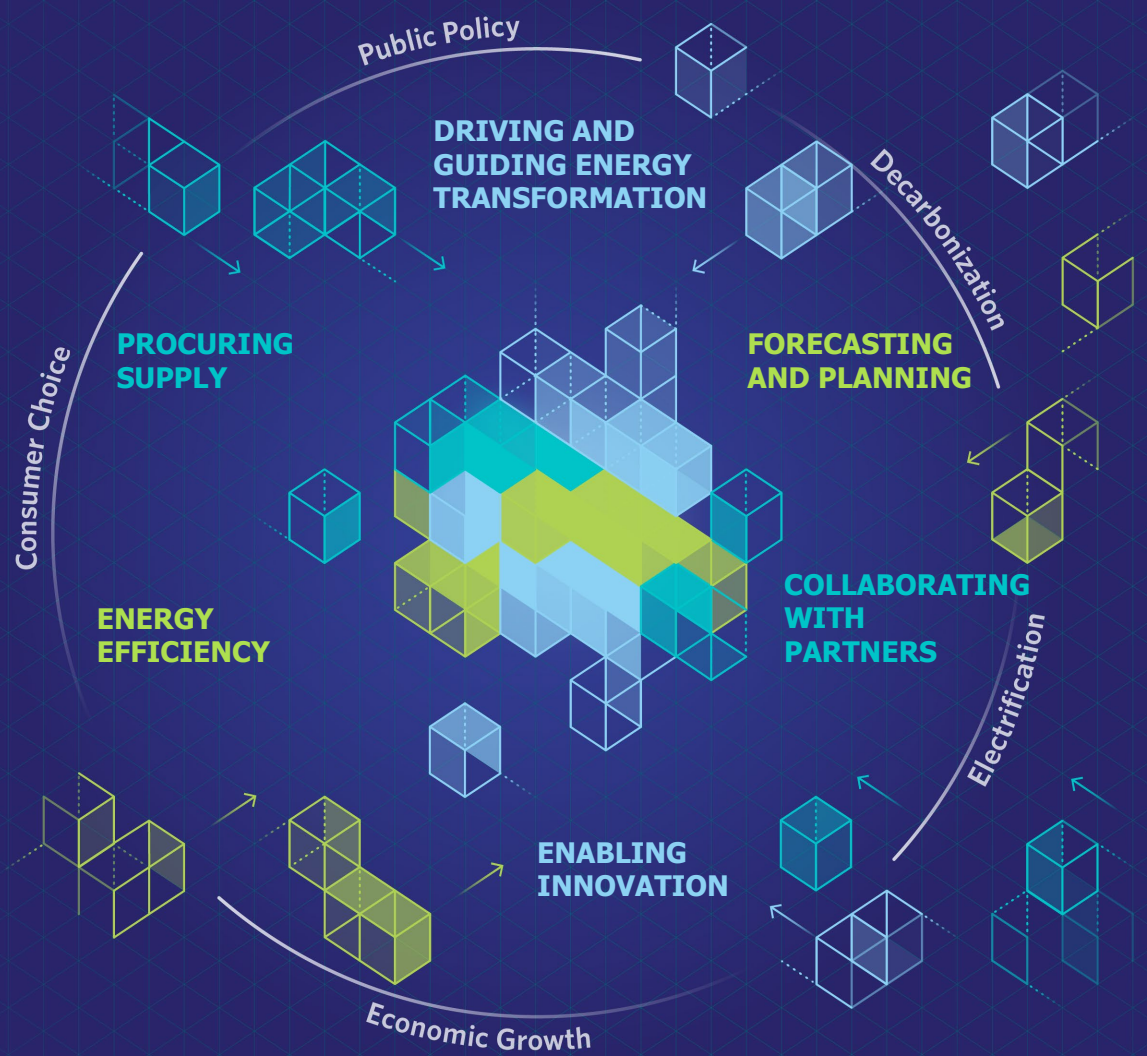
FORECASTING ELECTRICITY DEMAND IN ONTARIO

Electricity demand is expected to grow by at least 40% over the next 20 years

Forecast Annual Energy Demand



A RELIABLE, AFFORDABLE, SUSTAINABLE ELECTRICITY SYSTEM



NOVEMBER 2, 2023

Future Clean Electricity Fund (FCEF)

Brennan Louw, Senior Manager, System & Sector Development

Background

- The Minister of Energy provided the IESO with a [letter on July 10th, 2023](#) following the publication of the Province's [Powering Ontario's Growth report](#) asking for advice and recommendations for a Future Clean Electricity Fund (FCEF) to support the implementation of the plan.
- The report is to include advice on:
 - Implementation options for the fund
 - Allocation of funds to potential priority areas and possible projects
 - How funds can be best used to offset costs for ratepayers
 - Potential opportunities for participation of Indigenous communities

Fund Budget Development & Potential Project Streams

- The FCEF is expected to be funded through the sale of clean energy credits (CECs) by IESO and Ontario Power Generation (OPG) and proceeds from Ontario's Emission Performance Standard carbon pricing system
- IESO is working with Ministry staff to develop funding forecasts
- Several potential project streams have been identified
- Project streams are high level to start; specific details and mechanics will be worked out in a later detailed design phase

Potential Project Streams

Funding Stream	Description
1. Large, priority projects	Funding to cover a portion of the development costs (siting, engineering design, municipal & Indigenous engagement, etc.) of large, priority clean energy projects with long lead times identified by the Government
2. Customer-sited energy	Funding to cover permitting costs of customer-sited clean energy projects (residential, commercial, industrial, institutional)
3. Competitive transmission procurement support	When IESO is holding a competitive transmission procurement, qualified proponents could receive funding to cover application/development costs, increasing competition and participation
4. Indigenous energy projects	Funds to support Indigenous clean energy projects. The FCEF could fund the existing IESO Indigenous Energy Support Program instead of funding through Global Adjustment to reduce impact on ratepayers. The size of the program could be expanded.

Potential Project Streams (continued)

Funding Stream	Description
5. Site screening stream	Third-party assessments of best sites for future clean electricity generation in the province, considering resource and transmission availability, local needs, etc.
6. Competitive procurement cost offsets	A portion of funds could go to pay for clean energy procured through competitive IESO procurements, reducing ratepayer costs
7. Municipal and LDC Capacity Building	Funding to build capability/expertise within communities to review/streamline project site approvals and to determine which types of projects/proponents make sense for a community to support Funding to LDCs to streamline connection permitting and approvals processes (reduce review and approval timelines and bottlenecks)

Feedback and Next Steps

- IESO is asking for feedback from Municipalities:
 - What barriers exist to implementing clean electricity projects? What tools would be helpful to overcome the barriers?
 - Any additional streams that should be considered?
- Please submit your written comments by email to engagement@ieso.ca
- Next steps:
 - IESO to submit finished report by December 31, 2023
 - Expect Ministry direction to move forward in 2024, at which point detailed design work will begin

Thank You

ieso.ca

1.888.448.7777

customer.relations@ieso.ca

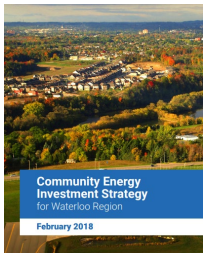
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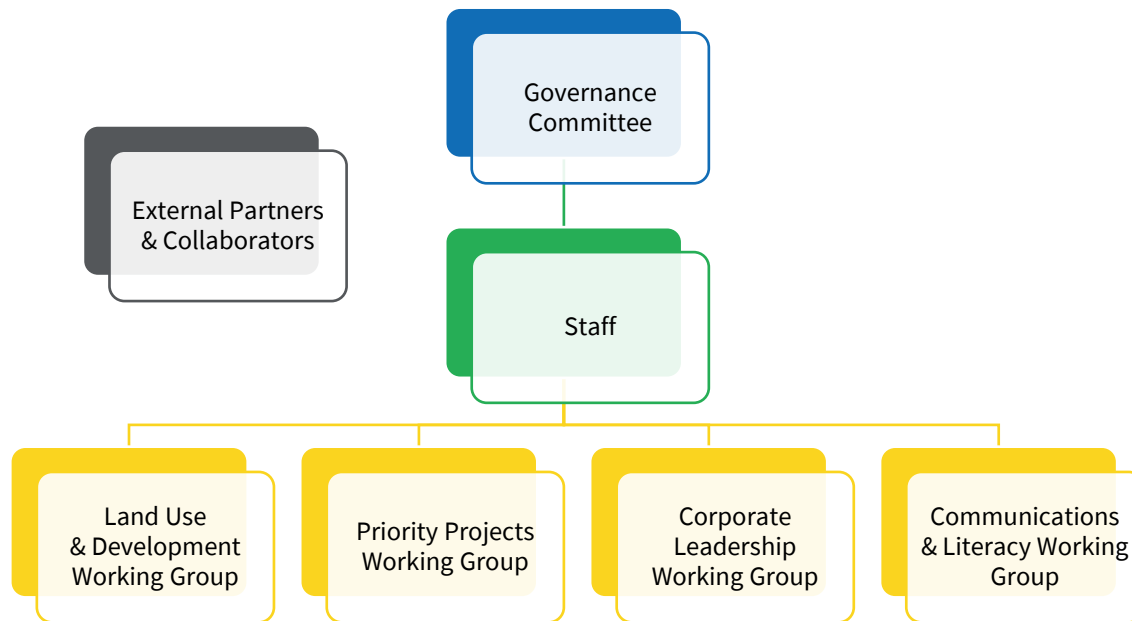
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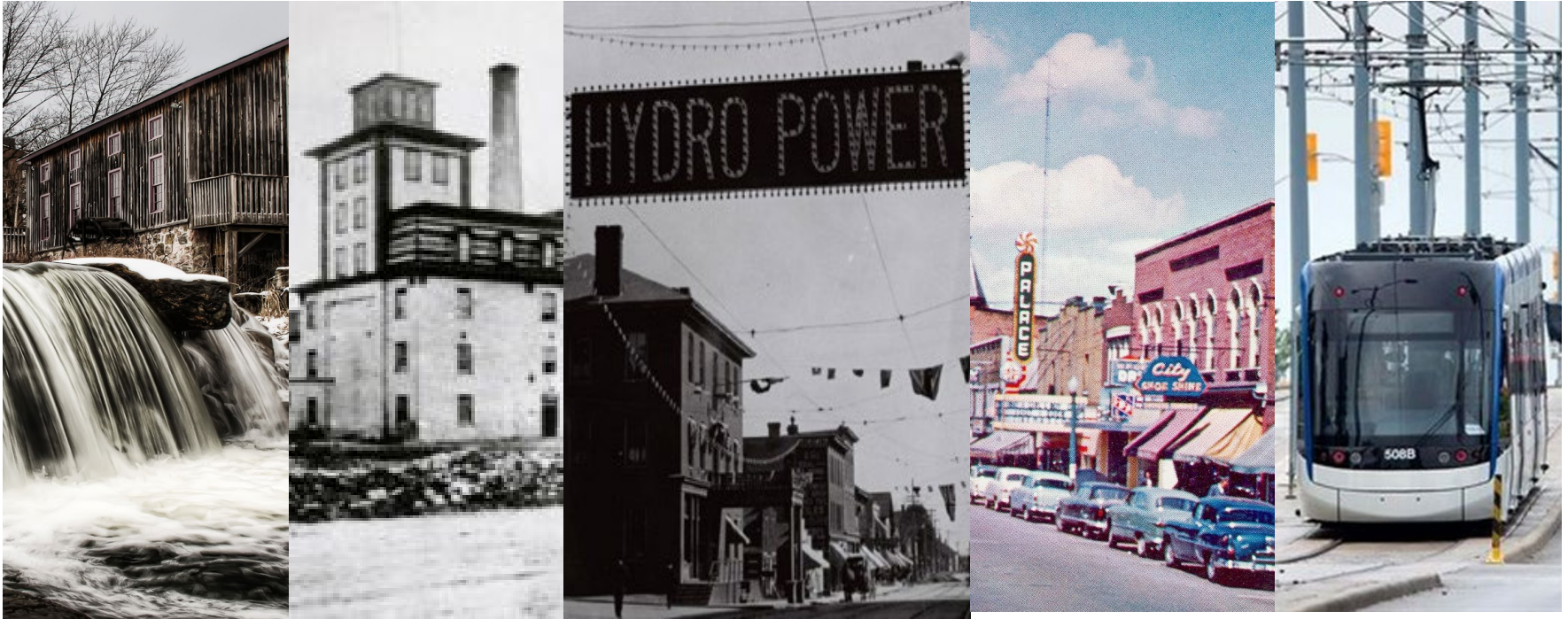
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WR Community Energy

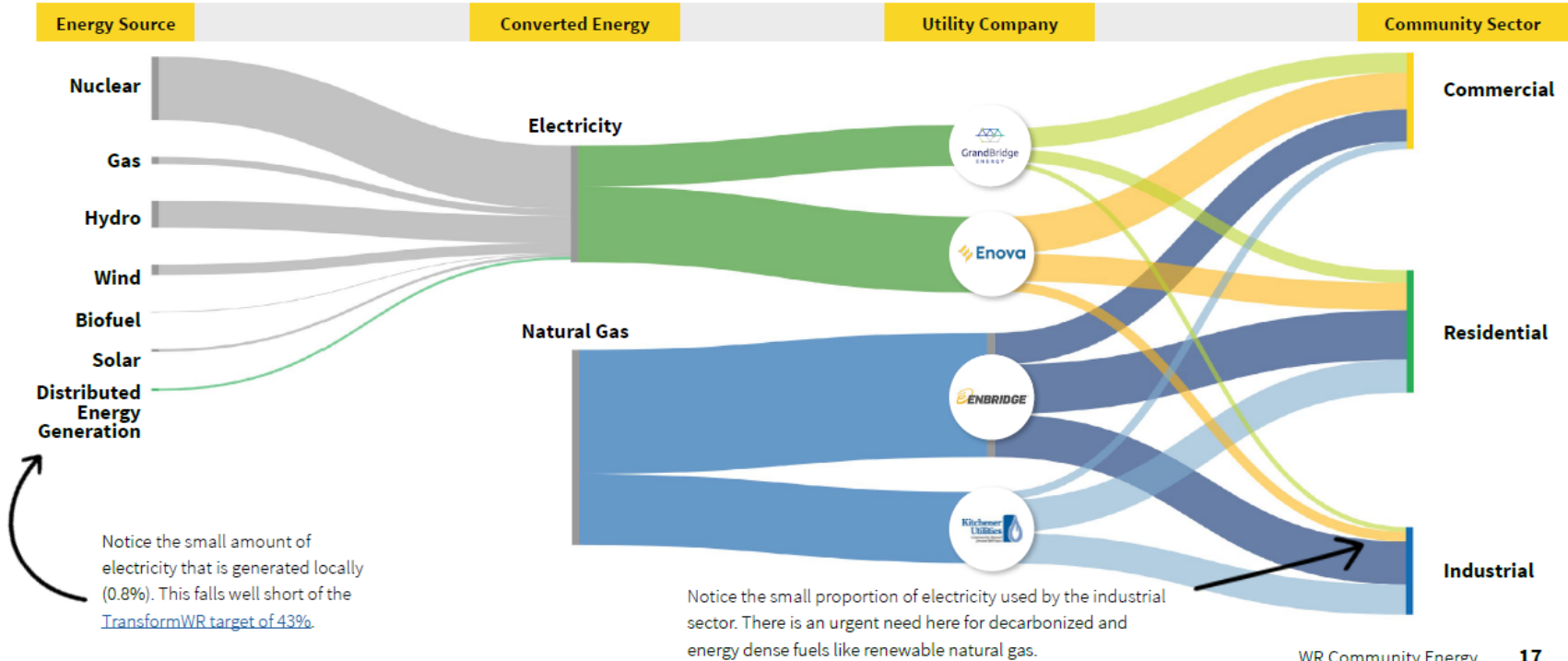


ENERGY TRANSITION IN WATERLOO REGION

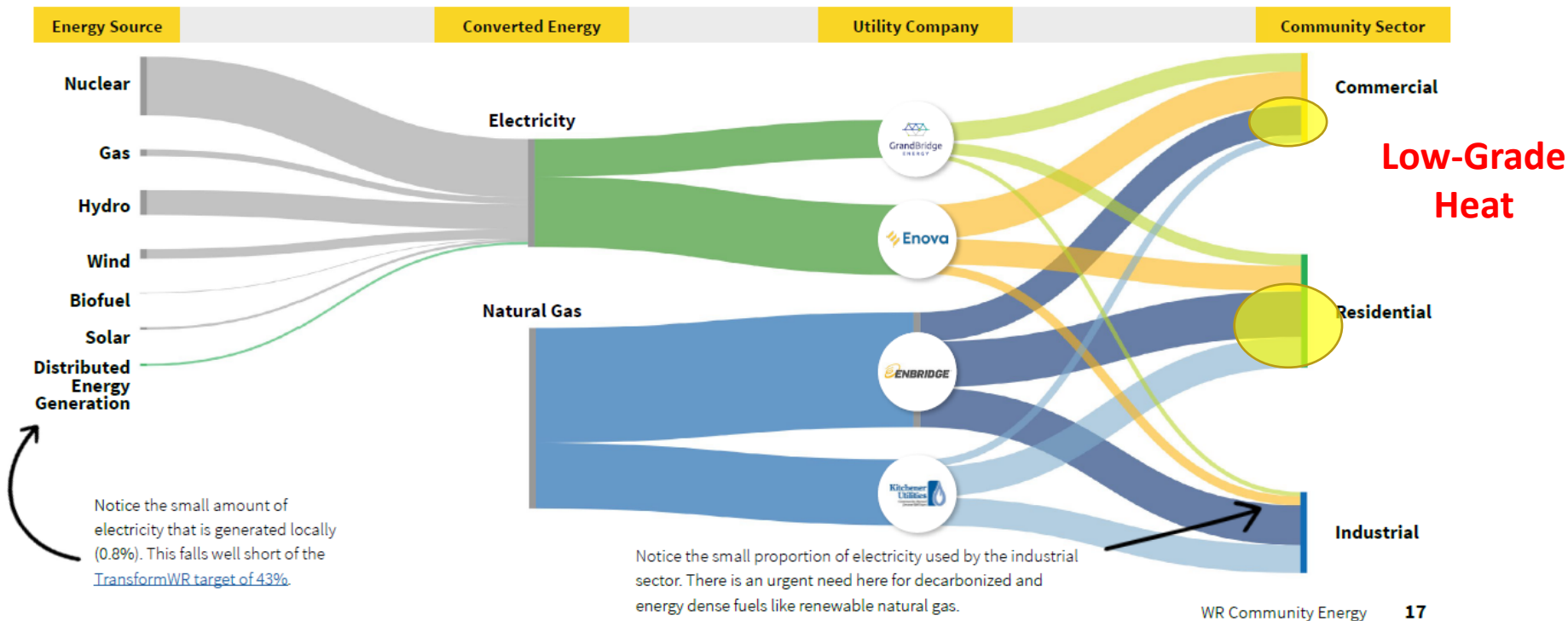


If water is life, then energy is quality of life

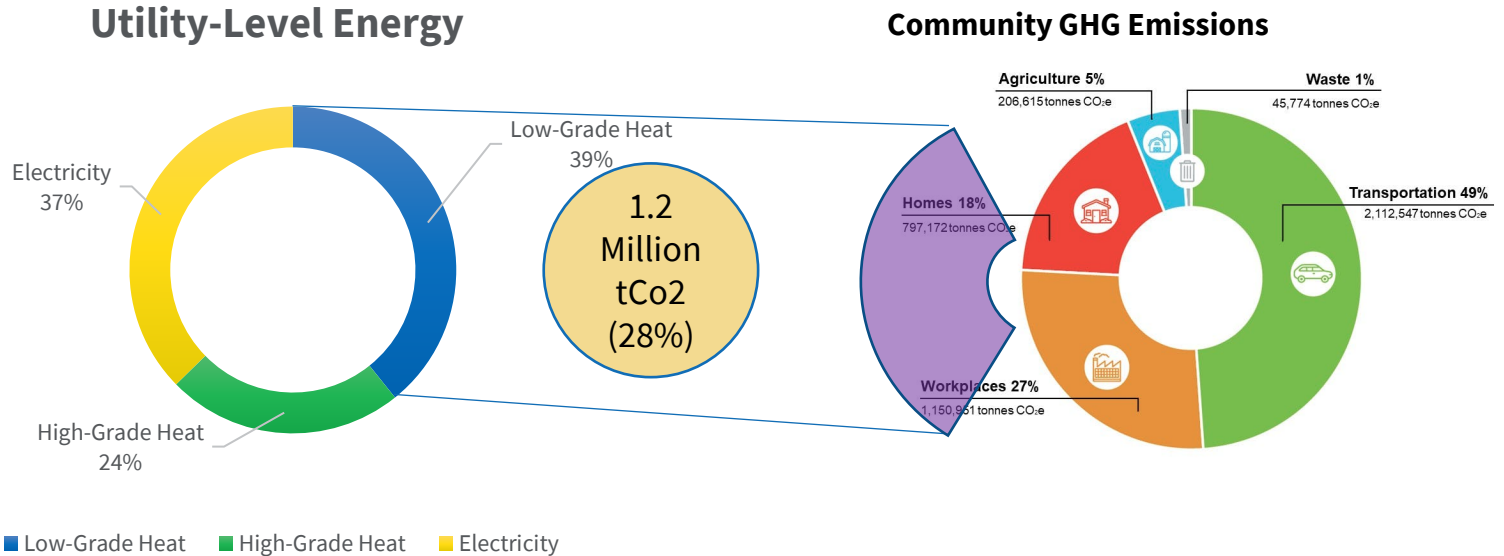
Energy Distribution in Waterloo Region (Joules)



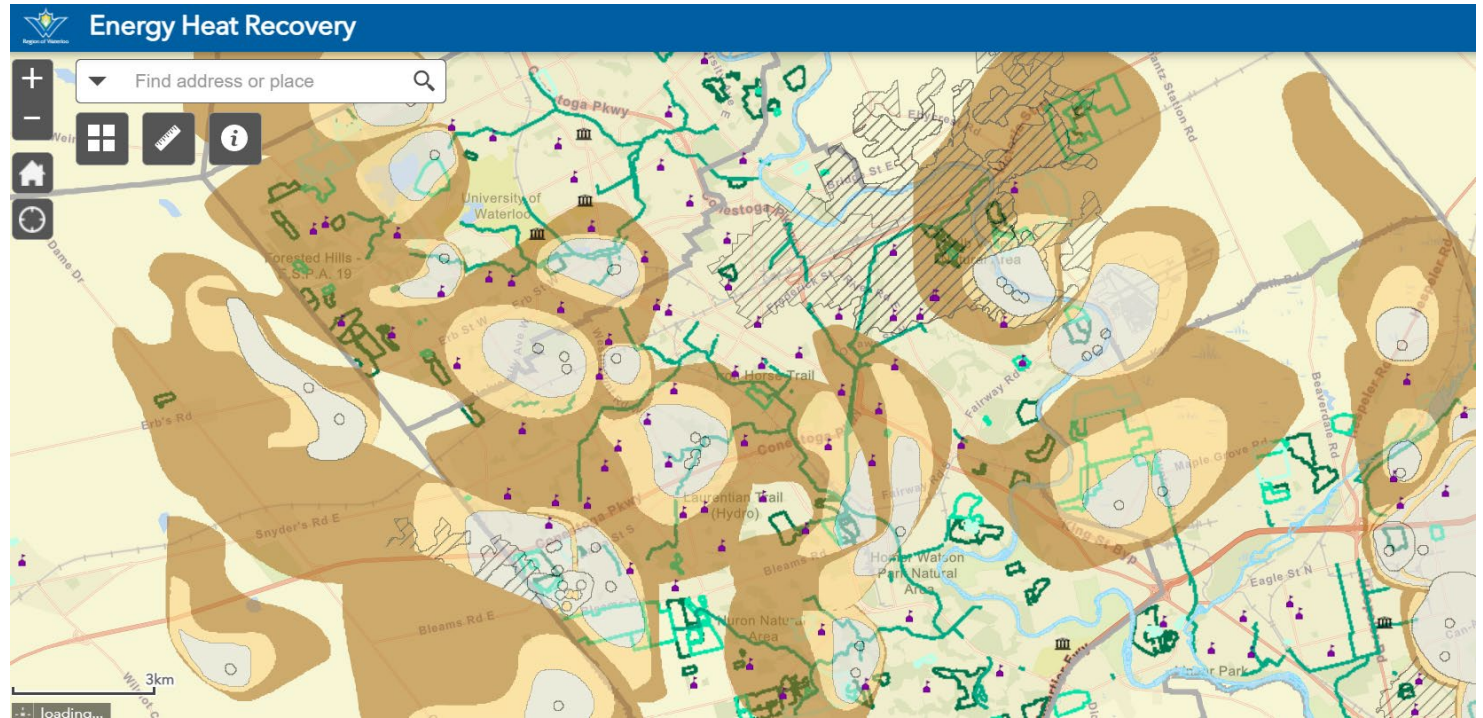
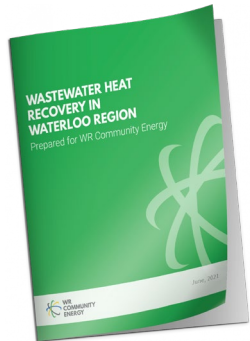
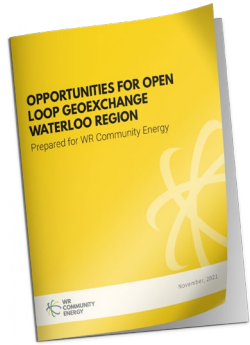
Energy Distribution in Waterloo Region (Joules)



Low-Grade Heat and GHG Emissions



Thermal Recovery Map





HOW TO GET INVOLVED

- ✔ [IESO.ca/subscribe](https://ieso.ca/subscribe)
- ✔ communityengagement@ieso.ca