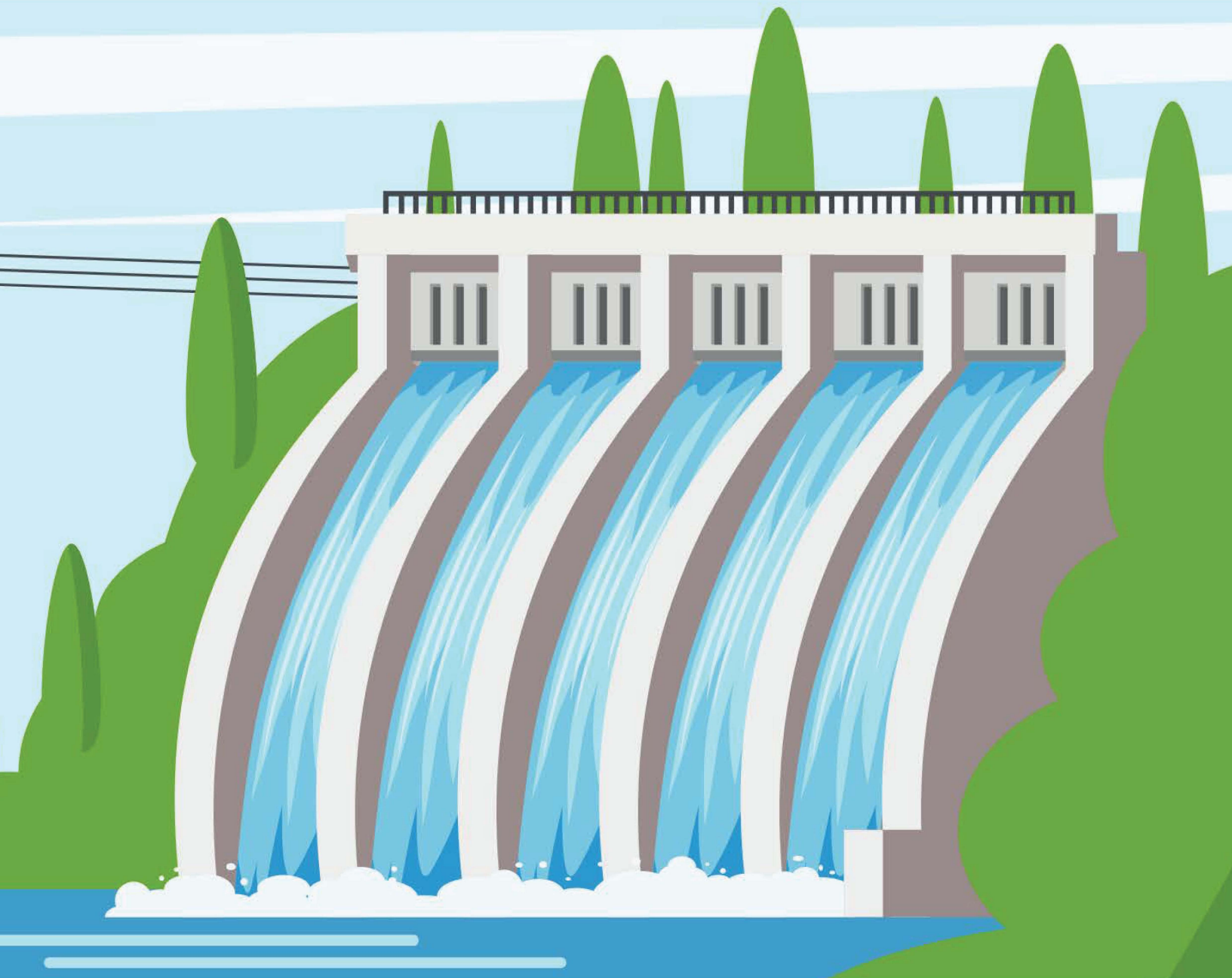


the value of

Made-in-Ontario Waterpower





Up until the early 1950s, all of Ontario's energy needs were met by waterpower generation

Today, waterpower is one of Ontario's most reliable, affordable and flexible energy source providing the province with 9,000 MW of installed capacity that accounts for

25% of Ontario's total energy supply and

76% of Ontario's renewable energy supply

Why Waterpower?

Affordable:

Waterpower stabilizes energy costs with assets that last for decades. The average waterpower facility lasts 3 times longer than a gas plant, 4 times longer than a wind farm and 5 times longer than solar panels. Since waterpower lasts significantly longer than other energy sources, it moderates costs over time.

Reliable:

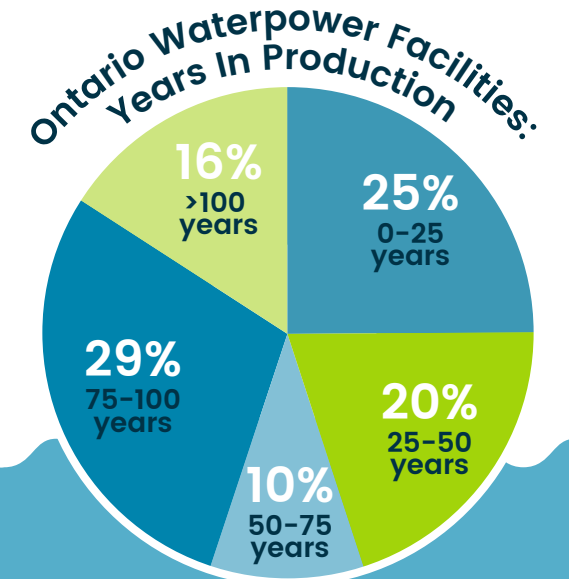
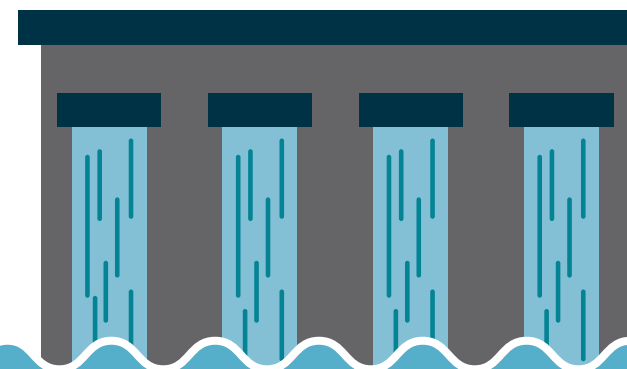
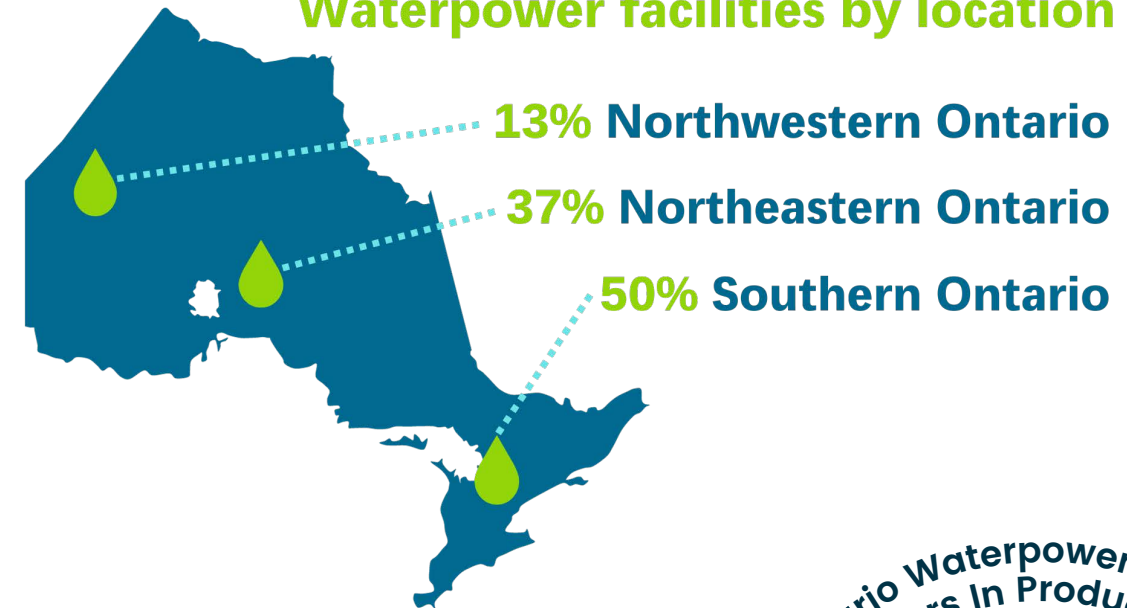
Many waterpower facilities operate 24/7 365 days of the year and have the unique ability to store energy and can ramp generation up quickly to match what is being used. During emergencies, or at peak demand Ontarians rely on waterpower to respond quickly and ensure the supply of electricity.

Sustainable:

Waterpower is a renewable, non-GHG-emitting, energy source. In addition to producing clean energy, many waterpower facilities are managed to provide a number of important ancillary benefits, including flood mitigation, water level stability for recreation, flow maintenance for dilution or habitat protection, and erosion control.

224 waterpower facilities are embedded in communities throughout the province. By supporting waterpower in your community you can become active in creating a sustainable low-carbon future

Waterpower facilities by location



100+ years

Waterpower facilities are perpetual assets

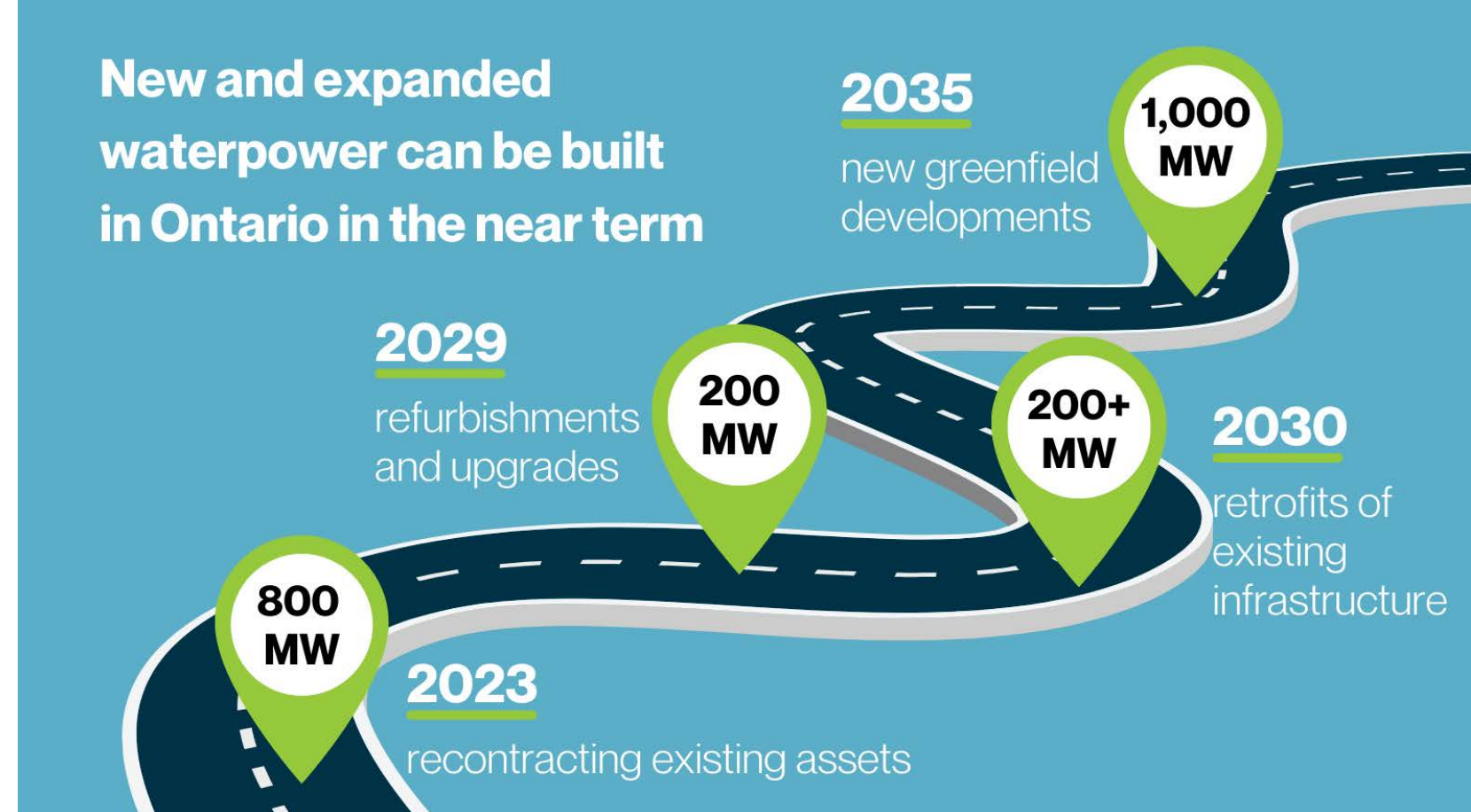
Dozens of waterpower facilities in Ontario are 100+ years young

Waterpower facilities can be found throughout the province ranging in size from <500 kW to >200 MW
Waterpower remains the most popular form of energy generation with 90% of Ontarians saying they support it

As early as 2029, Ontario will be facing a capacity and energy shortage waterpower can help fill this gap

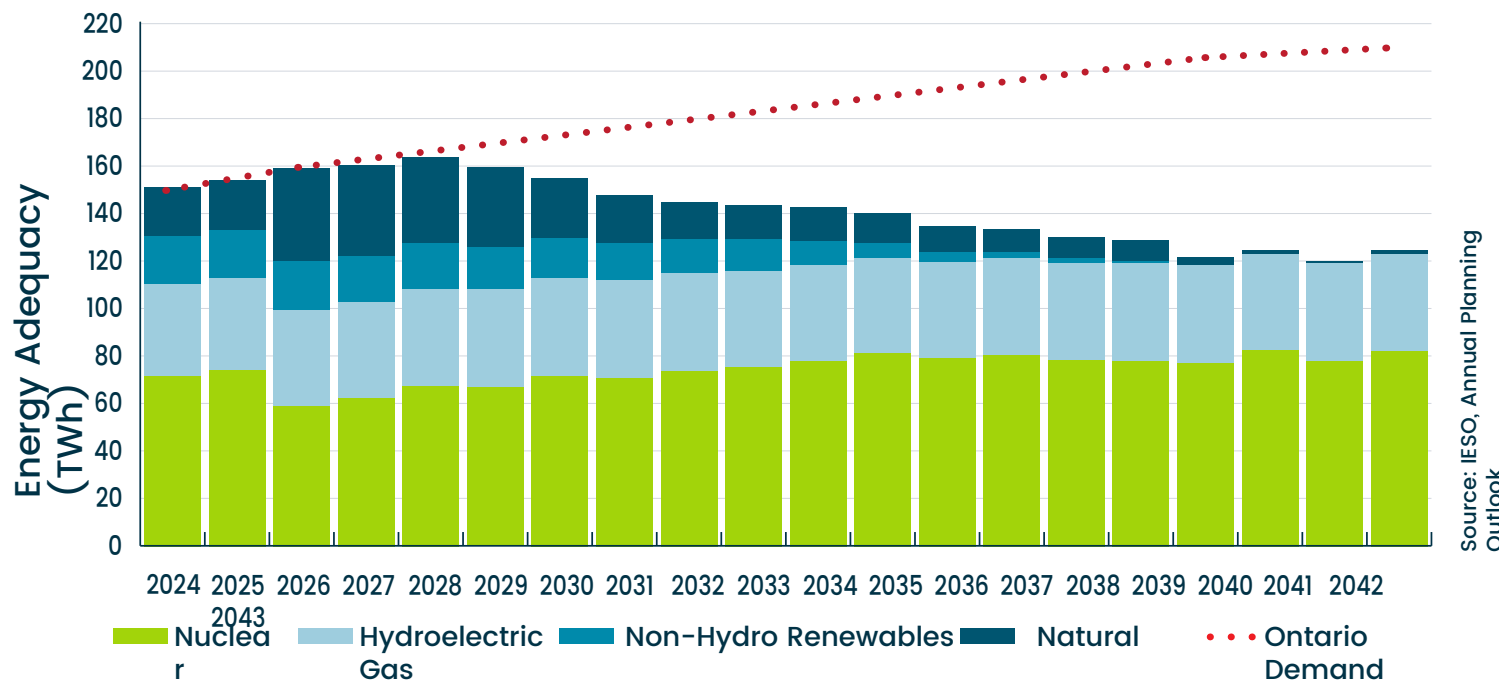
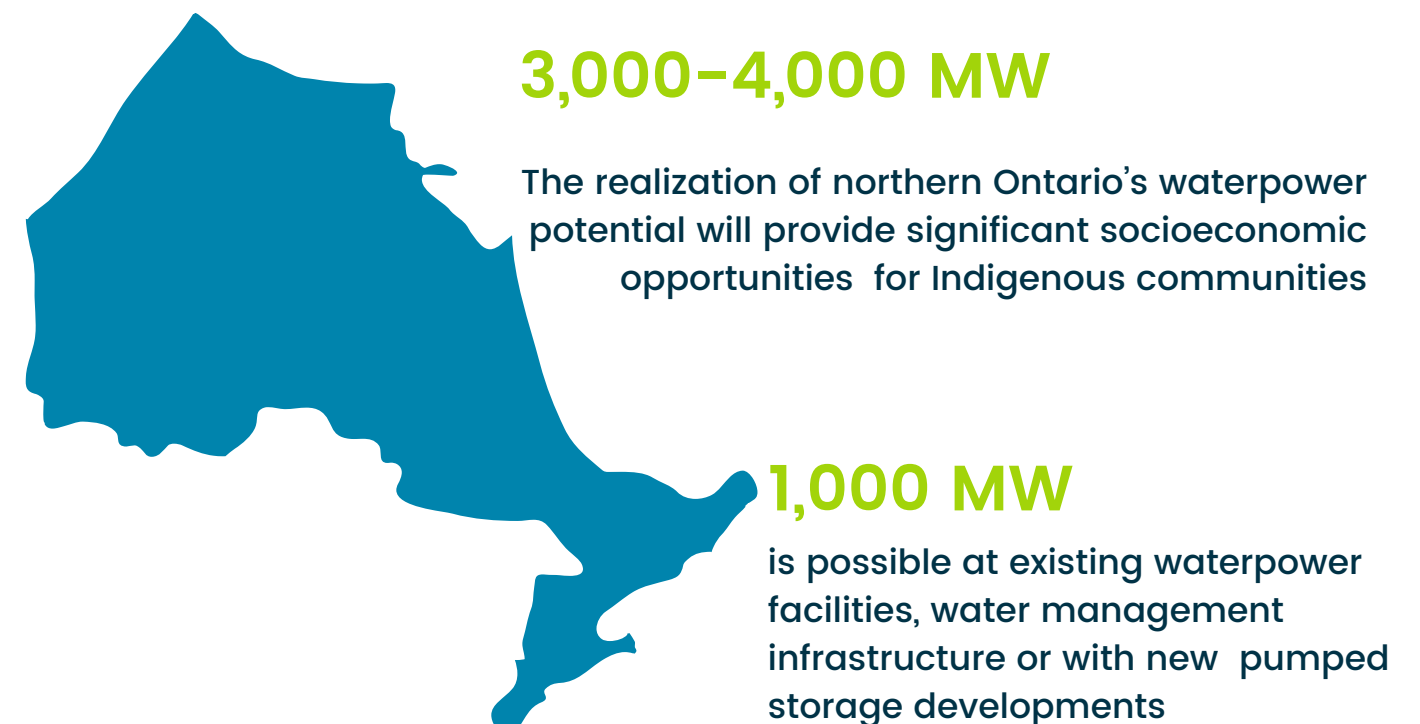
Your Community's Role in Shaping Ontario's Clean Energy Future

According to the Independent Electricity System Operator's "Pathways To Decarbonization Report", in less than 30 years **Ontario could need to more than double its electricity generating capacity**, from 42,000 MW today to 88,000 MW in 2050 to meet both grid decarbonization and economy wide electrification. Importantly, the **province is requiring local community support as a prerequisite to the development of new electricity** sources of any kind. This means that **municipalities have a key role in shaping Ontario's energy future.**



Ontario's untapped waterpower potential

The Made-in-Ontario Northern Hydroelectric Opportunities Report reaffirms 4,000-5,000 MW of new waterpower potential much of which (3,000-4,000 MW) is in northern Ontario



Waterpower projects have lasting social benefits for communities and enable significant regional economic benefits

Investment in existing waterpower could create up to

5,000
JOBS ANNUALLY

A recent survey of waterpower owners indicates that:

investment in existing waterpower facilities in the near-term could top

\$2.4B



Investments in waterpower developments would see at least:



of capital expenditures



of lifetime operational expenditures

spent in Ontario, directly benefitting the economy

Impacts of these investments in existing waterpower



\$1.5B

total contribution to Ontario labour income



\$600M

dollars to Ontario's Consolidated Revenue Fund



\$2.7B

total contribution to Ontario GDP

about us



our organization

The Ontario Waterpower Association (OWA) is a not-for-profit, member-based organization promoting the sustainable development of waterpower resources in Ontario.

Since 2001 the OWA has been representing the common and collective interests of the waterpower industry.



our goals

To sustain and enhance the significant contributions of Ontario's existing waterpower assets.

To provide new opportunities for waterpower development and industry growth across the province.



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