

# Waterpower

## Tomorrow's power today



Peter Sutherland Generating Station Spillway  
Photo Credits: Coral Rapids Power and  
Ontario Power Generation



## 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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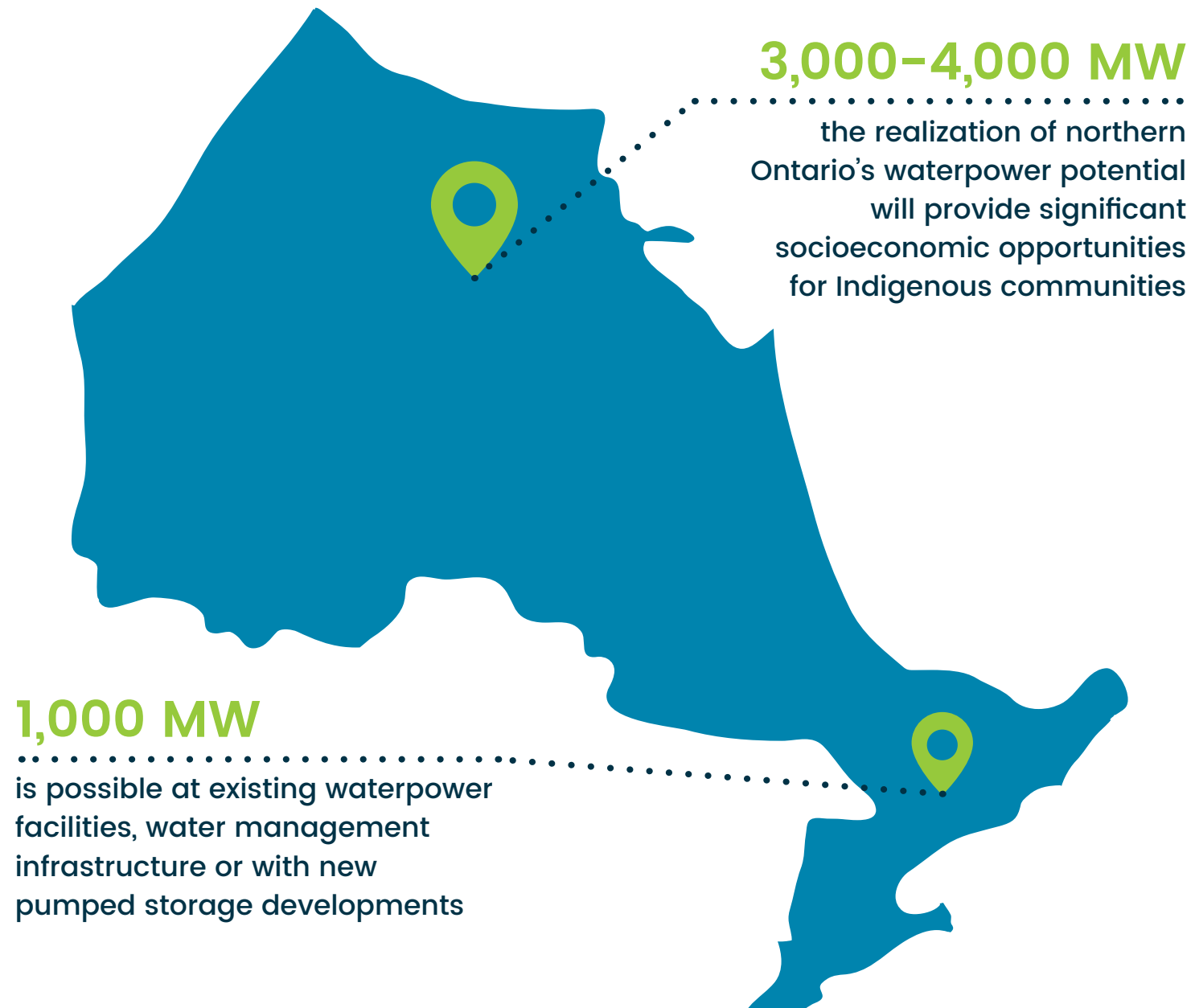
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# Ontario's untapped waterpower potential

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



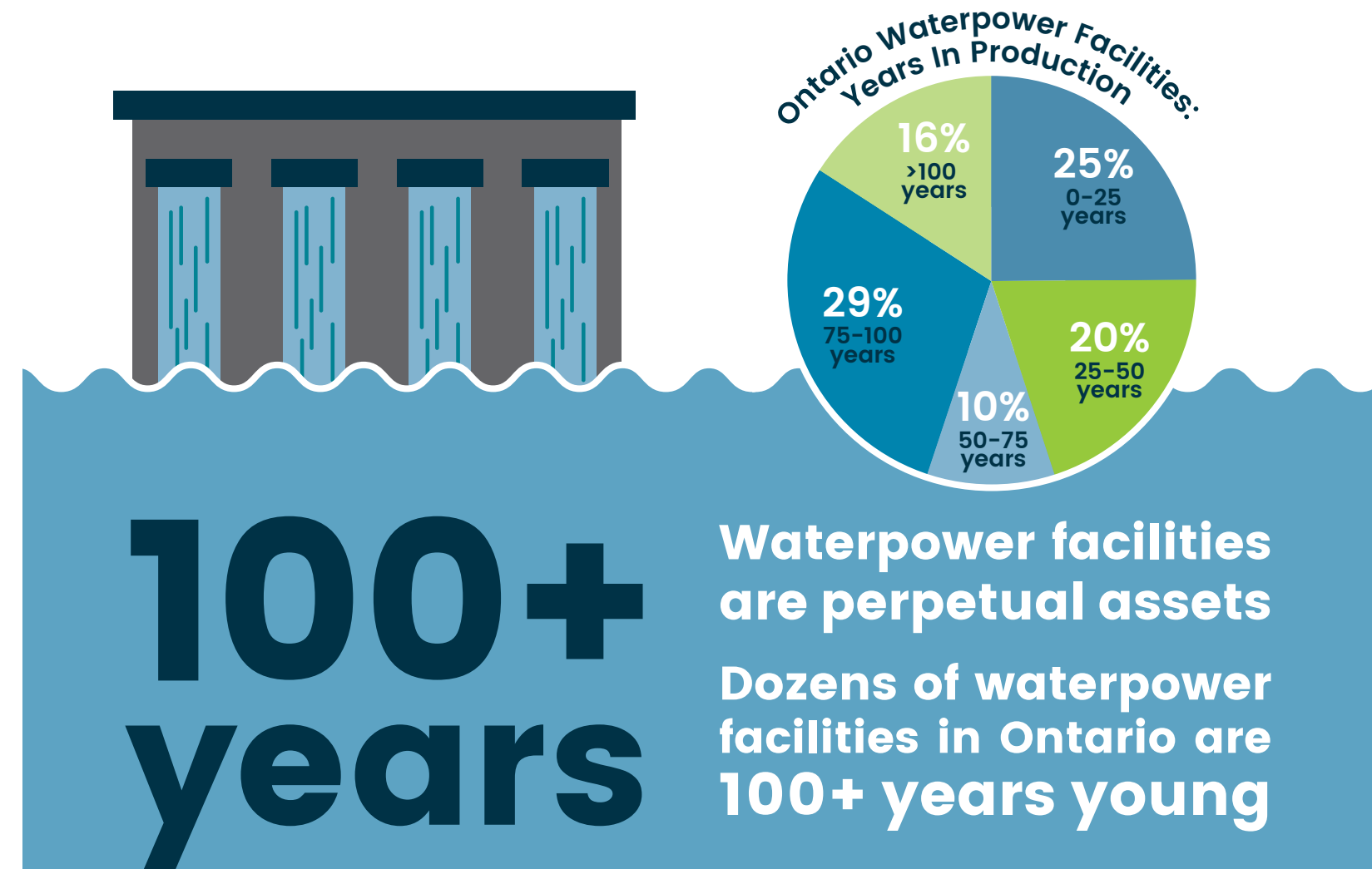
Recent public opinion polling shows that:



of Ontarians support working with Indigenous communities to develop new waterpower projects in Ontario



of Ontarians support the use of waterpower in Ontario



waterpower projects have lasting economic and social benefits for Indigenous communities and municipalities and enable other significant regional economic benefits

New and expanded waterpower can be built in Ontario in the near term

2035

new greenfield developments

1,000 MW

2030

retrofits of existing infrastructure

200+ MW

2029

refurbishments and upgrades

200 MW

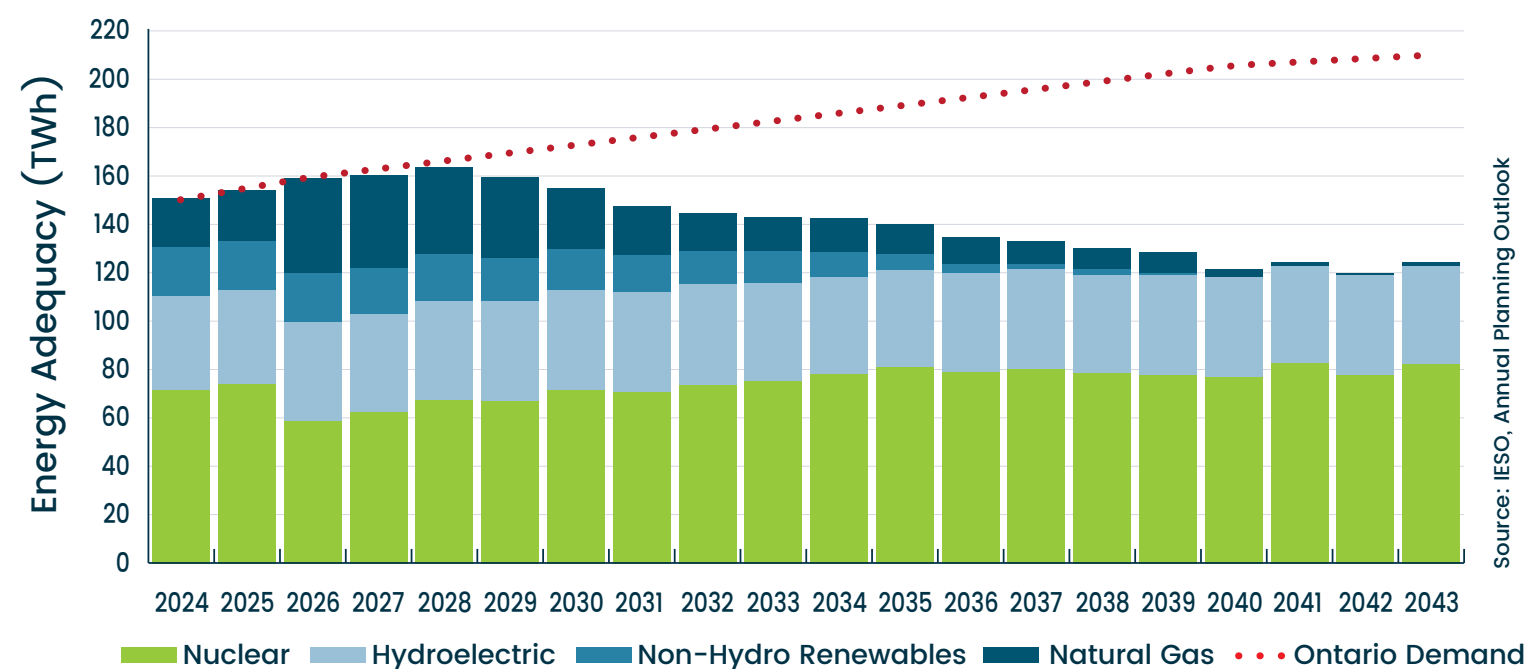
2023

recontracting existing assets

800 MW

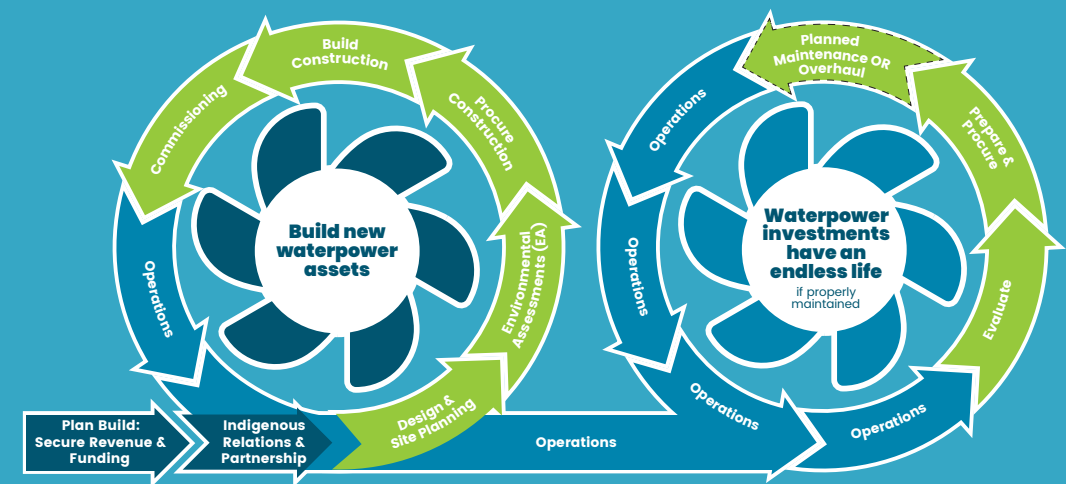


As early as 2029, Ontario will be facing a capacity and energy shortage  
waterpower can help fill this gap



Waterpower facilities are perpetual assets, compared to other technologies which can have a life-span as short as 20 years

Source: OPG's Made-in-Ontario Northern Hydroelectric Opportunities Report



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

to Ontario's Consolidated Revenue Fund



\$2.7B

total contribution to Ontario GDP