TC Energy is embarking on one of Canada's largest climate change initiatives.

We are building Ontario's biggest battery to bring clean carbon-free electricity to nearly a million homes.

The Pumped Storage Project proposed in Meaford is an environmental and economic solution to address deficiencies in Ontario's electricity system. The \$3.3 billion project enables electricity to be saved for a time when it is most needed.

zero



Climate change is at the forefront of all our minds.



490,000 tonnes per year reduction in greenhouse gas emissions



150,000 cars taken off of the road



Builds resilience into the current system by providing backup power



The project turns economic **losses into gains** for all of Ontario.



\$12 billion saved by Ontario ratepayers over 40 years or \$250 million savings/year.



65% of total capital costs captured locally, or close to \$2 billion



800 jobsduring development and construction

WHY?

1,000 MW

of clean energy

Ontario's electricity system produces too much power, resulting in wasted electricity and economic loss.

11 hours

run time

Surplus clean electricity is sold for less than the retail price of natural gas to residential and small commercial consumers. By exporting clean electricity at these low prices, Ontario consumers are effectively paying for electrical capacity that contributes to the clean-up of other jurisdictions' energy systems.

In 2016, Ontario exported 14.6 terawatt hours of clean energy at a loss.



14.6 terawatts of electricity



1.5 million homes



\$1.4 billion to produce



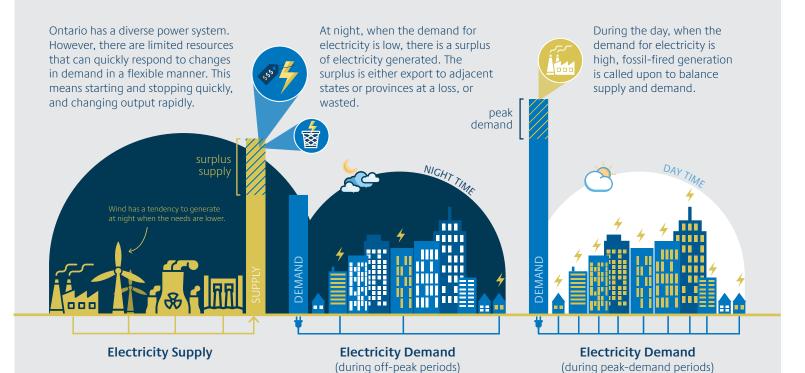
\$384+ million in financial loss



Source: Ontario Society of Professional Engineers



A CLOSER LOOK AT ONTARIO'S CURRENT ELECTRICITY SYSTEM



THE PROJECT ADDRESSES WEAKNESSES

