



Imperial's Sarnia Products Pipeline
Mississauga, Ontario

Credit River Valley Project



Preventative pipeline maintenance in Mississauga's Credit River Valley

Imperial's Sarnia Products Pipeline (SPPL) carries refined product including gasoline, diesel and jet fuel.

As part of our ongoing maintenance work to facilitate continued safe pipeline operation, Imperial plans to replace a short segment of the Sarnia Products Pipeline beneath the Credit River.

This roughly 575 metre segment replacement is a preventative measure to mitigate changing river flow and its impact on the line.



Project facts

Location: Credit River Valley just north of Highway 403 and east of Mississauga Road.

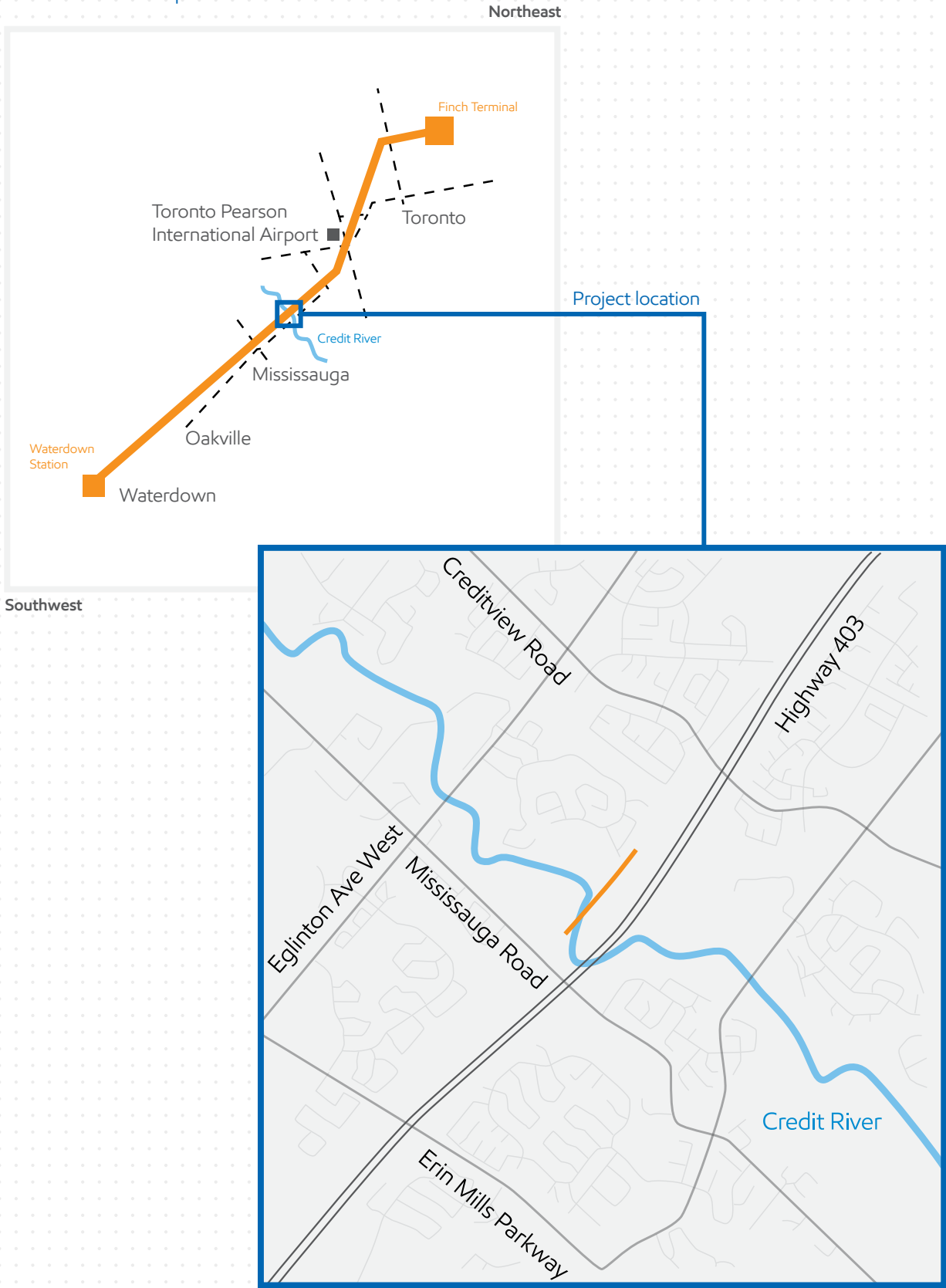
Timing: Work began in the spring of 2019; completion is anticipated in the fall of 2019.

Drilling technique: Imperial will install the pipeline segment beneath the Credit River using a horizontal directional drill (HDD), which is the most advanced and least intrusive technique available to install underground pipeline.

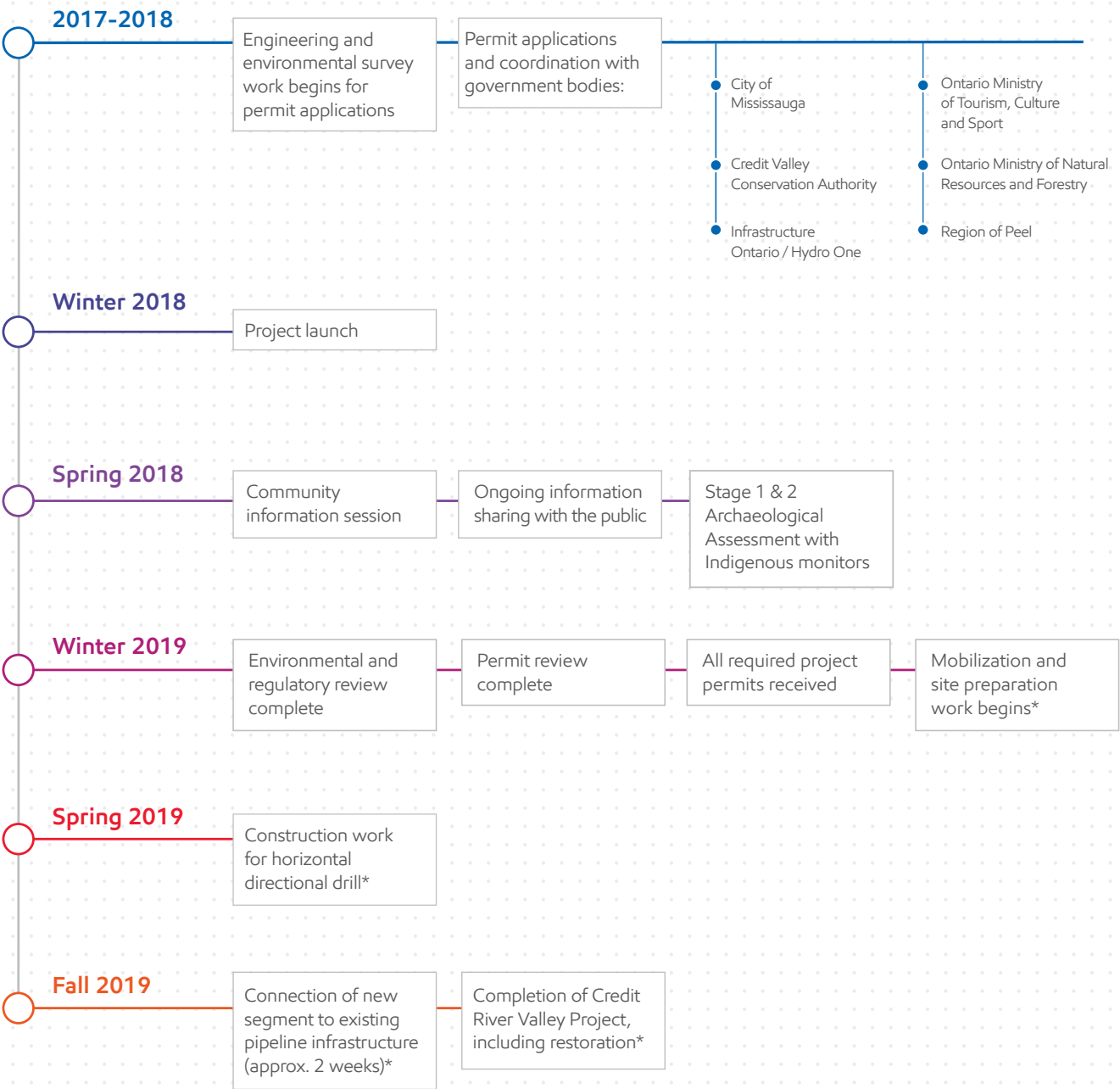
Permitting and community engagement: Before any work commences, Imperial will have all required permits and will complete a thorough assessment of this project's effects on the environment. Imperial is also committed to meaningful community and stakeholder engagement for this project.

Supplying Mississauga and the GTA: The pipeline is critical infrastructure supplying refined fuel products to people, businesses and community organizations in the Mississauga and the Greater Toronto Area, including a significant portion of the product used at Toronto Pearson International Airport.

Segment of the Sarnia Products Pipeline



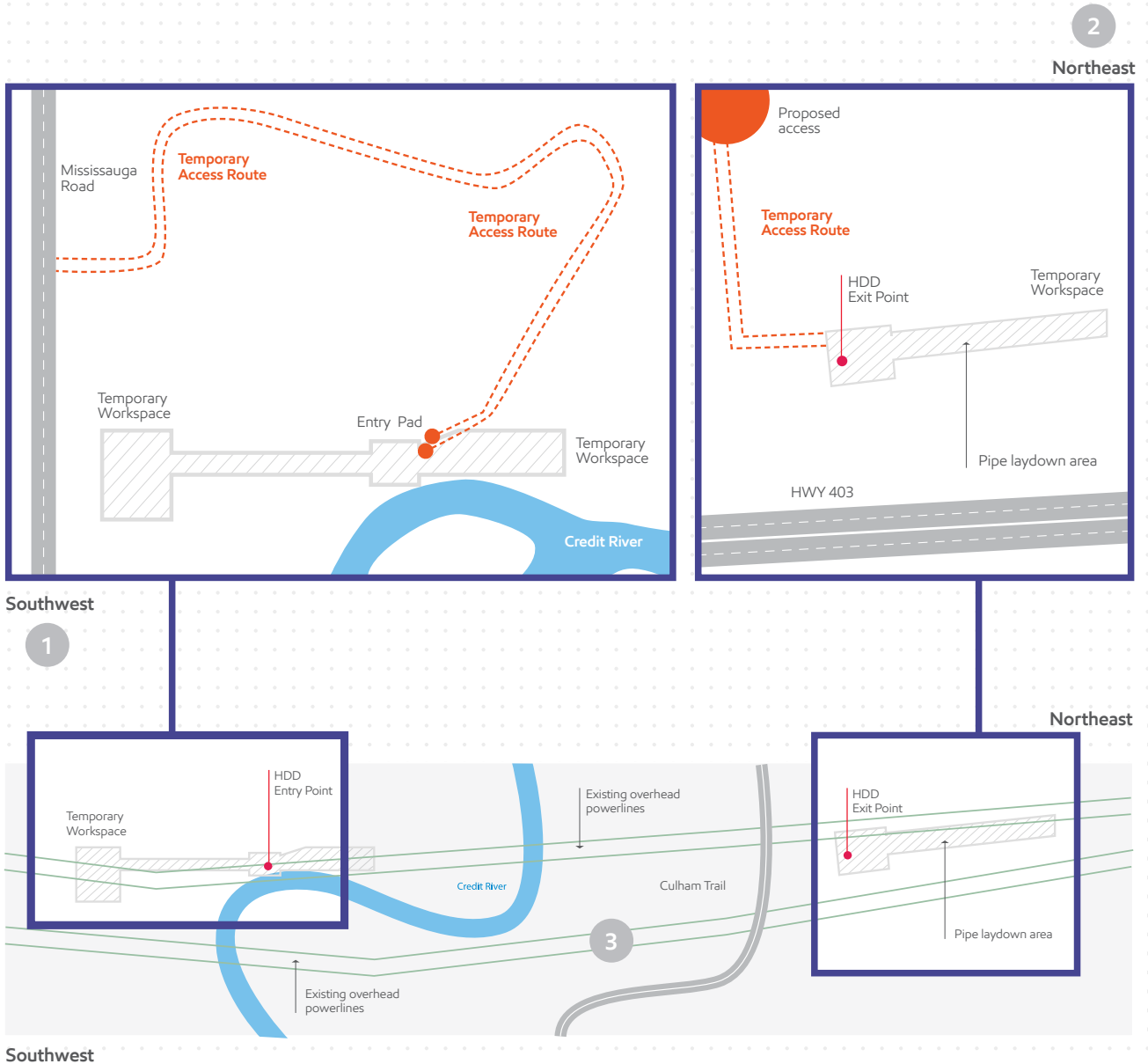
Project timeline*



*Timeline is subject to regulatory and permitting approvals.

Work area*

Imperial will follow all City of Mississauga, provincial and national bylaws and safety standards—and will work with neighbours to minimize the impact of traffic and noise from construction.



*Subject to change

Protecting the local environment

Imperial is committed to the highest standards of water and environmental protection during the installation work –and for the ongoing safe operation of the pipeline.

Water protection: Imperial has developed contingency plans in case of flooding, or other scenarios, to mitigate any risks to the work area and surrounding environment.

Safe decommissioning: The segment replacement will require decommissioning the current pipeline, which will cause the least disturbance to the local environment. As part of the decommissioning process, trained workers will clean and inject the segment with cement/grout to ensure the ground surface will not sink or settle.

Imperial also recognizes the importance of collaboration with local Indigenous groups when conducting activities on their traditional territories.

Project approvals and/or permits:

- City of Mississauga
- Credit Valley Conservation Authority
- Infrastructure Ontario / Hydro One
- Ontario Ministry of the Environment and Climate Change
- Ontario Ministry of Natural Resources and Forestry
- Region of Peel

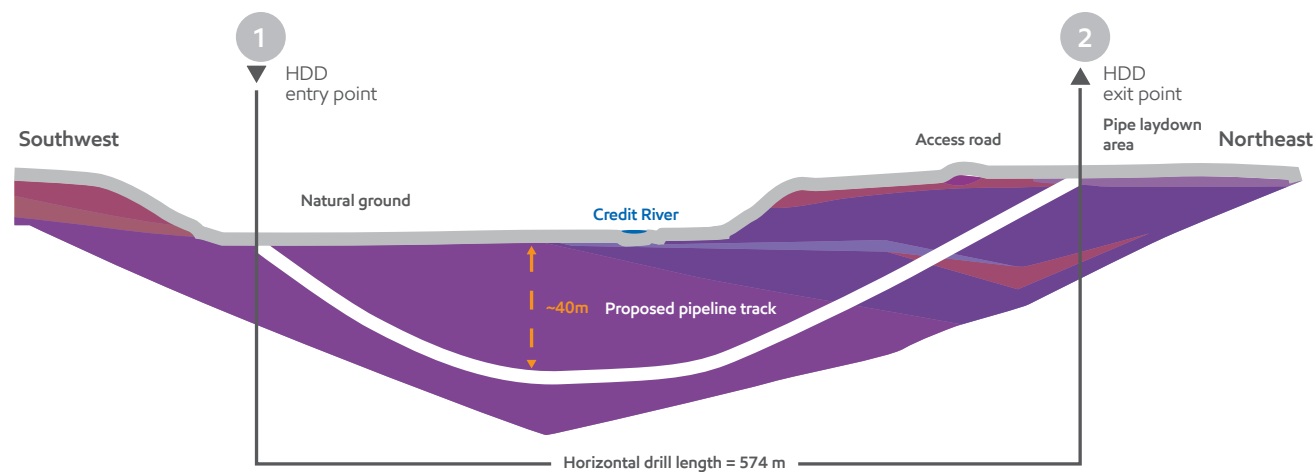


Horizontal directional drill (HDD)

We know the Credit River is important to the community and that is why we are using the most advanced and least intrusive technique for installing underground pipeline: horizontal directional drill.

HDD is a trenchless method of installing underground pipe using a drilling rig at the surface level with minimal impact on the surrounding environment.

Schematic of the HDD



- 1

Proposed HDD entry side is located west of the Credit River
- Stage 1: Drill a small diameter pilot hole along a designed directional path
- Stage 2: Enlarge the pilot hole to a diameter suitable for installation of the pipeline
- Stage 3: Pull the pipeline back into the enlarged hole
- 2

Proposed exit side is east of the Credit River where there is sufficient space for the work



Our commitment to community engagement and supporting economic growth

Community and stakeholder input helps inform our solutions. We look forward to a dialogue with community members, Indigenous groups, governments, and other stakeholders regarding our company's practices and construction projects, such as this pipeline segment replacement.

We are committed to sharing what we know and responding to your questions. This includes a neighbourhood information session in the spring of 2018, direct engagement and ongoing updates through our project webpage: imperialoil.ca/creditriver



Imperial

As an integrated energy company, we explore for, produce, refine and market products essential to society.

Founded in Ontario: As Canada's largest refiner of petroleum products, we have more than 130 years of providing Canadians with reliable energy, while supporting our economy and protecting the environment.

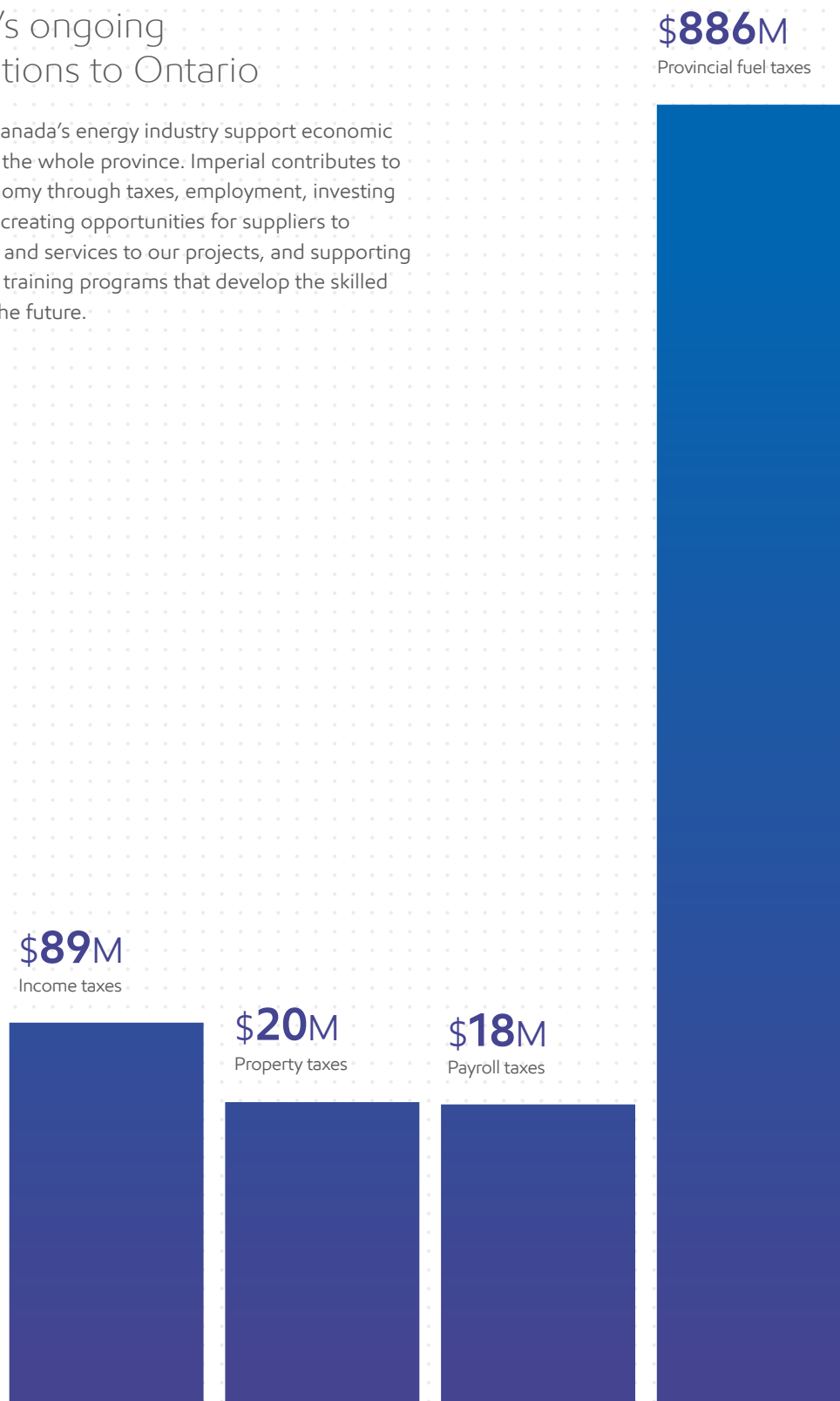
Supporting Ontario households: Imperial employs approximately 1,200 employees and up to 3,500 contractors a day in Ontario.

Major capital projects: Imperial continues to invest in the province of Ontario with more than \$750 million at our two refineries in Sarnia and Nanticoke. Investments include environmental improvements, energy conservation projects, clean fuel facilities and infrastructure improvements.

R&D in Ontario: Over the past decade, Imperial has invested more than \$300 million in research and development in the province.

Imperial's ongoing contributions to Ontario

Imperial and Canada's energy industry support economic growth across the whole province. Imperial contributes to Ontario's economy through taxes, employment, investing in technology, creating opportunities for suppliers to provide goods and services to our projects, and supporting education and training programs that develop the skilled workforce of the future.



Based on 2016 contributions

Source: Business Council of Canada 2016 Total Tax Contribution Survey.

We want to hear from you

imperialoil.ca/creditriver

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