

The Next Wave of Innovation in Canadian Infrastructure

Mark Romoff
President and CEO

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Global Infrastructure Hub

\$94 trillion

Needed Infrastructure Investment

\$15 trillion

Expected Shortfall

Source: Global Infrastructure Hub and Oxford Economics. "Global Infrastructure Outlook." July 2017.

Infrastructure Investment

- Drives Jobs
- Drives Productivity
- Drives Growth + Prosperity
- Drives Global Competitiveness

But some realities....



Infrastructure Challenge

Infrastructure Deficit

+

Fiscal Reality

+

Faster, Cheaper, Better

=

Innovative Approaches

PPP Facts To Remember

- It's Simply a Procurement Method
- It's Not Privatization
- It's Not a Panacea



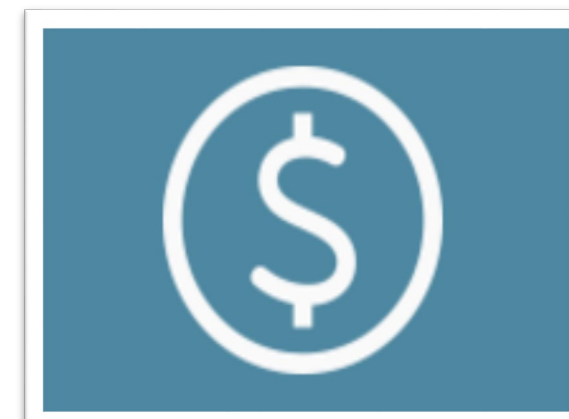
Canadian P3 Overview



25-Year
History



279
Projects



\$135+
Billion

Source: P3 SPECTRUM



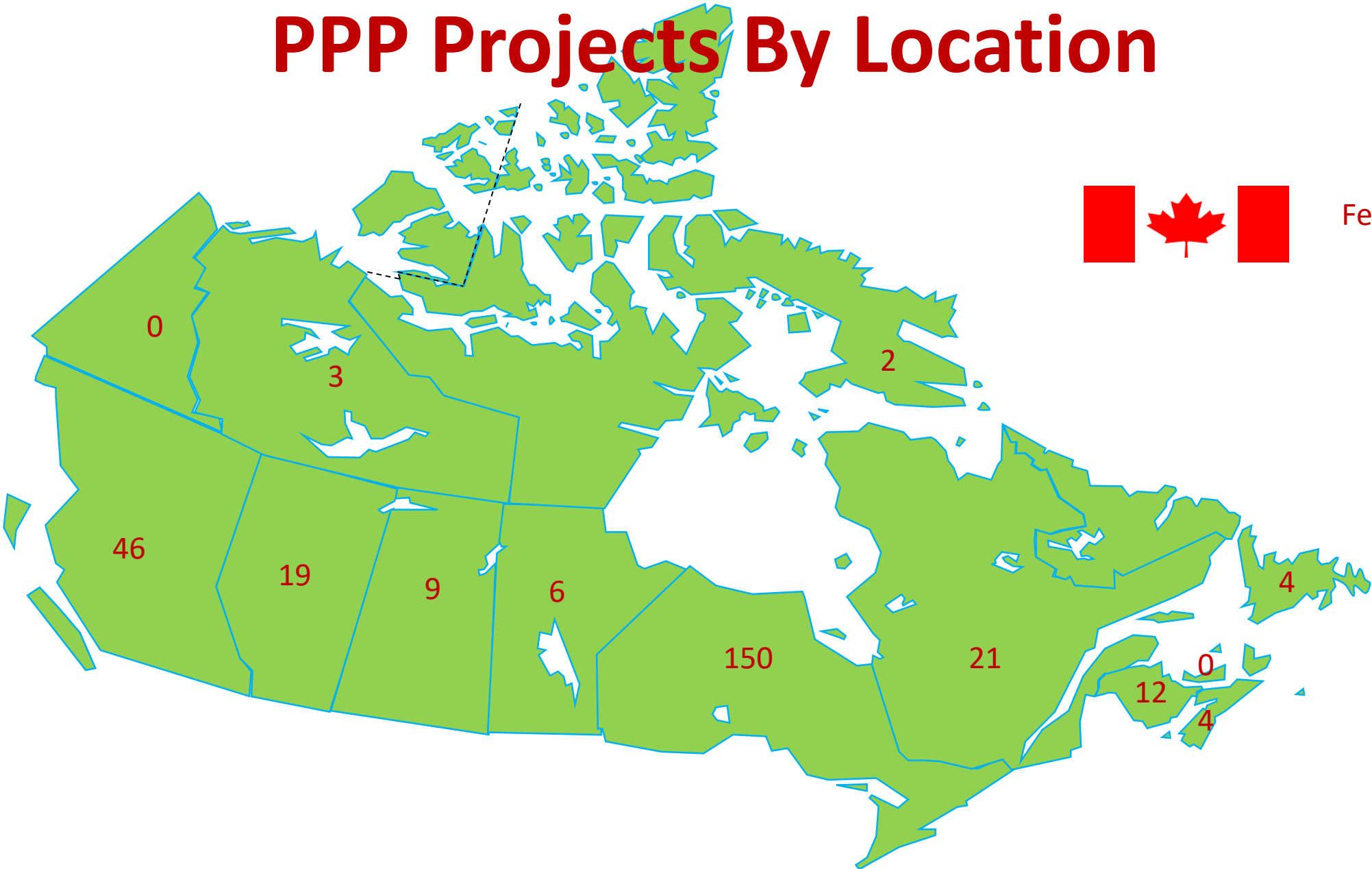
PPP Projects by Sector

Sector	Number	Value (\$B) *
Transportation	80	64.3
Health	97	29
Energy	11	26.1
Justice	23	5.6
Education	14	3.1
Accommodations	10	2.6
Water & Wastewater	20	2.0
Recreation & Culture	15	1.3
Government Services	4	1.0
Information Technology	5	0.8
Total	279	135.8+

* Includes only actual cost figures released after financial close (234 projects).

Source: P3 SPECTRUM

PPP Projects By Location



Canadian P3 Results

- On Time (**13% Faster**)
- On Budget (Up to **\$27B in savings**)
- PPPs deliver projects **1-Year** on average **quicker**, which adds an **additional \$11B in value**

Every year on average, Canada's **PPP portfolio supports:**

- \$14B in Economic Activity
- 115,000 job years
- \$5B of additional wages
- \$4B of combined federal/provincial tax revenue



Canada Infrastructure Bank

- \$35B to invest into **new, transformative** projects in the **public interest**
- Projects **must** transfer significant **revenue** or **demand risk**
- Three Priority areas: **Public Transit, Green Infrastructure, Trade and Transport**
- Goal is to **fill viability gaps** that may prevent a project from going to market
- **Crowd in** more private capital

Smart Cities Challenge

- Federal Government launched a Smart Cities Challenge
- One prize at \$50M, two prizes at \$10M, and one prize at \$5M
- Open to municipalities, local or regional governments, and Indigenous governments
- Goal is to achieve meaningful outcomes for residents through the use of data and connected technology
- 130 applications, 20 finalists

First Nations Major Projects Coalition

- **48** signatory First Nations
- Creating a **toolbox** for First Nations that are undertaking and/or participating in **major infrastructure projects**
- Coalition provides **advice**, but does not impose
- Currently working on Kenney Dam hydroelectric project in northern BC (\$300M+) as well as discussion around energy transmission and a First Nations Loan Guarantee Fund
- Ultimate goal is to provide **capacity support** so First Nations can become **owners** and **active participants** in major projects across the country

First Nations Infrastructure Institute

FNII would:

- Be **optional** for First Nations
- Provide First Nations **control** over First Nations infrastructure
- Deliver **shorter review** times on projects
- Make **procurement** more **efficient**
- Focus more attention to **lifecycle** asset management
- Incentivize **innovation**
- Provide **access to capital**



Stanton Territorial Hospital Renewal

- Location: Yellowknife, NWT
- Model: DBFM
- Government Level: Provincial/Territorial
- Status: Under Construction
- Project Cost: \$433.8M
- Cost Savings: \$174.5M

The renewal and expansion of the hospital will double its size and will have more beds to service the needs of the community.



Mackenzie Valley Fibre Link

- Location: NWT
- Model: DBFOM
- Government Level: Provincial/Territorial
- Status: Operational
- Project Cost: \$97.7M
- Cost Savings: \$18.4M
- A 1,300km fibre link between McGill lake and the Arctic Ocean that provides high speed internet to communities previously lacking advanced, affordable telecommunications technology.



Iqaluit Airport

- Location: Iqaluit, Nunavut
- Model: DBFOM
- Government Level: Provincial/Territorial
- Status: Operational
- Agreement Cost: \$376.2 million
- Cost Savings: \$99.8 million
- A new airport terminal building, expanded aprons for planes to park, a new lighting system, and an upgraded runway
- The Project Agreement has requirements for the involvement of Nunavut Land Claim Agreement beneficiaries, requiring Arctic Infrastructure Partners to provide a diverse range of training opportunities.



© Brookfield Renewable
Kokish Hydro Facility, British Columbia

Kokish Hydroelectric Project

- Location: 'Namgis First Nation Traditional Territory
- Model: DBFOM
- Government Level: Indigenous
- Status: Under Operational
- Project Cost: \$208M

The Kokish River Hydroelectric Project is the first Canadian P3 with a First Nation partner. The project, made possible through a P3 Canada Fund preferential loan of \$12.94 million, generated jobs and renewable energy for the environmentally sensitive territory.



Okanagan Correctional Centre

- Location: Okanagan, BC
- Model: DBFM
- Government Level: Provincial/Territorial
- Status: Operational
- Capital Cost: \$192.9M (2014)
- Cost Savings: \$39.3M (2014)
- A 378-cell high-security correctional facility



**The Canadian Council for
Public-Private Partnerships**



**Le Conseil Canadien pour
les Partenariats Public-Privé**

Mark Romoff, ICD.D
President and CEO

55 University Avenue, Suite 608
Toronto, Ontario M5J 2H7

Direct Tel: 416.861.9917

Tel: 416.861.0500

Email: mromoff@pppcouncil.ca

 [@markromoff](https://twitter.com/markromoff)

 [www.pppcouncil.ca](https://www.linkedin.com/company/pppcouncil)