



Country Update – Canada

➤ **RECENT POLICY DEVELOPMENTS**

➤ **Federal Priorities:**

- Clean infrastructure development (\$5B)
- Greenhouse gas (GHG) emissions reductions (\$2B)
- Sustainable natural resource development (\$1B)
- Clean technology R, D & D (\$230M)
- Clean energy vehicle infrastructure development (\$62.5M to date)
- Air pollution (\$345M)
- Energy efficiency (\$129M)
- Sustainable municipalities (\$125M)
- Innovation cluster development (\$800M)
- Domestic/international collaboration



Canada Update

➤ **Federal Actions to date:**

- H2 Infrastructure – 3 new retail HRSs (Vancouver & Toronto)
- Development of a national HFC Roadmap (2016/17)
- \$800 M – innovation clusters development
- R, D & D investments
- Economic Analysis and Modelling of Retail Hydrogen Fueling Infrastructure
- 2016 “[Canadian HFC Sector Profile](#)” completed
- Increased awareness and engagement with HFC industry
- Acquired 2 Toyota Mirai FCVs to support environmental/safety testing
 - Codes, standards and regulations required to support commercializing
- ❖ PM Trudeau announced that provinces have until 2018 to adopt a carbon pricing scheme or the federal government will impose one on them



Canada Update

➤ **Provincial actions to date:**

British Columbia (low carbon fuel standards & carbon taxes - \$30/tonne)

- Investing in 2 new H₂ HRSs (Vancouver & Victoria)
- BC released the “” [Clean Energy Vehicle \(CEV\) Economic Analysis](#) report
- Released [Climate Leadership Plan](#) - August, 2016

Alberta (carbon tax - \$20/tonne) - May 2016

- Released its [Climate Change Leadership Plan](#)

Ontario (cap & trade)

- Finalized the rules for its new cap and trade program and passed the [Climate Change Mitigation and Low-Carbon Economy Act](#) – May, 2016
- Released its [Climate Change Action Plan](#).

Quebec (cap & trade)

- Various actions, tools and incentives – see: [2013 – 2020 Climate Change Action Plan](#)



Canada Update

➤ **Potential Areas of Collaboration with Canada**

- Collaborative R, D & D with Public Research Facilities (CaRPE-FC, NRC & CNL)
 - Development of Codes & Standards
 - Light & Heavy Duty Transportation (FCVs, FCBs, FC Trams, Drayage/Refuse Trucks)
 - Infrastructure Development
 - Olympic Games (Korea, Japan, other)
 - Supply Chain Development
 - [Hydrogen & Fuel Cells 2017 Summit - HFC2017](#)
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- **Current Deployments:** 15 FCVs, over 500 FC Forklifts, 11 HRSs & 1 FCB



Ministers of Environment (Catherine McKenna), Transportation (Marc Garneau) & Natural Resources (Jim Carr) on Parliament Hill with FCV