



Standards Council of Canada
Conseil canadien des normes

Canada

Standardization and the Green Economy

PASC 41 Workshop & AGM - Okayama, Japan
May 15, 2018

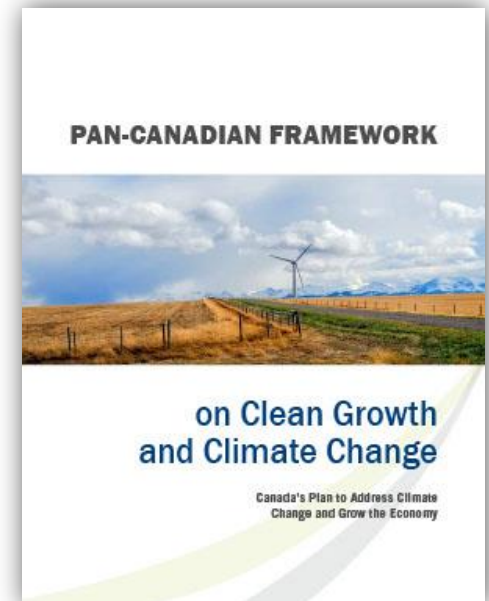
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Standards **experts**. Accreditation **solutions**.



Canada - a Leader in Global Clean Economy

- April 2016 COP 21 **Paris Agreement** global response to climate change
- December 2016 Canada's First Ministers adopt **Pan-Canadian Framework on Clean Growth and Climate Change** to create conditions necessary to position Canada as a leader in global clean economy.
- **Four pillars:** pricing carbon pollution; complementary measures to further reduce emissions across the economy; measures to adapt to the impacts of climate change and build resilience; and actions to accelerate innovation, support clean technology, and create jobs.





"Our belief that a clean environment and a strong economy go hand in hand is central to the health and well-being of Canadians. This is especially important as we work to get resources to market and develop major projects responsibly in the twenty-first century."

- *The Honourable Catherine McKenna,
Minister of Environment and Climate Change*



Canadian Investment in the Green Economy

- A significant amount of Canadian infrastructure in critical condition.
- Government investing \$187B by 2028 in Canadian infrastructure - cornerstone of short and long term competitiveness and growth.
- Focus on clean tech innovation, fundamental technology disruptions, and strong social responsibility components - first-mover advantage.
- Investments in infrastructure, clean technology and in supporting mitigation actions will support business growth and job creation.





Standards and Canada's Green Economy

- Standards - backbone of new and aging infrastructure.
- Required to be updated to reflect innovation, advancements in knowledge, including climate change impacts.
- Climate-resilient standards support decision-makers and professionals in
 - managing climate risks related to infrastructure; and
 - providing guidance and tools for considering climate change impacts in all phases/aspects of infrastructure decision-making.
- SCC ensuring its national standardization system is positioned to protect the health and safety of Canadians in the face of a changing climate, ensuring requirements of infrastructure standards are “climate-ready”.



Framework of SCC's Infrastructure Program

- Standards for climate data supply-chain:
 - collection, management, use of weather and climate data from weather stations across Canada;
 - appropriate incorporation of data and information when deriving infrastructure design values; and
 - incorporation of future climate projections into design values in the light of uncertainty.
- Updating broad range of existing infrastructure standards, identifying new standards to ensure infrastructure projects are climate-ready.
- Standards for Northern Infrastructure designed to address and work with unique circumstances found in Canada's North.





Standards, Clean Tech, Innovation and Jobs

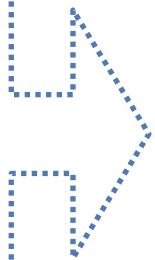
- Development of clean technologies to create new opportunities in resource sectors, increase productivity and competitiveness of businesses, create new employment opportunities, improving environmental performance.
- Focusing on strong leadership role in international standards-setting processes for new clean technologies ensuring Canada's clean-technology capacity shapes future international standards.
- Standards form essential building blocks in establishing new technology and service platforms, stimulating complementary innovation. They are necessary to support interoperability with existing and complimentary technologies and systems.





SCC Expected Results 2016-2021

- 40 standardization solutions for climate change and infrastructure
- Protecting health and safety of Canadians
- Supporting sustainability of Canada's development and economy
- Usability of data collected at weather and climate monitoring stations
- Improved consistency, comprehensiveness of climate info
- Ensuring climate change is reflected in infrastructure design
- Ensuring effectiveness of new and existing standards
- Focusing on critical infrastructure in North.
- Promoting and building capacity for all standardization solutions



Strengthening and Growing the Middle Class

(SDG 8,10-decent work, economic growth, reduced inequalities).

Canada's 2016 -19 Federal Sustainable Development Strategy

(SDG 7, 13, 14, 15-affordable and clean energy, climate action, life below water, life on land).

Pan-Canadian Framework on Clean Growth and Climate Change, Investments in Clean Economic Growth and International Climate Finance

(SDG 7, 11, 12-sustainable cities and communities, responsible consumption and production, climate action).



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Thank You