



Serving
GOVERNMENT,
Serving
CANADIANS.



Real Property Services

Green Way Forward

RPS

Terry Homma
Director General, Service Lead, Portfolio and Asset Management

November 3, 2017



Government
of Canada

Gouvernement
du Canada

Canada

Minister's Mandate

- “... it will also be important to ensure we not only meet but exceed standards for accessibility, and environmental sustainability.”
- *Mandate Letter From Prime Minister Justin Trudeau to Minister Carla Qualtrough, 2017*





Offices

- > Flagship buildings: Deep energy retrofit of major building systems
- > SMART buildings
- > LED lighting
- > Energy and re-commissioning audits
- > Federal Buildings Initiative: implement energy performance contracts
- > Workplace 2.0 and Activity Based Workplace (ABW) densification
- > Divestment of selected underperforming assets



Central heating and cooling plants

- > Improvement of Cliff Heating Plant (CHP) efficiency
- > Implementation of SMART Plants at CHP
- > Expand CHP service to buildings nearby
- > Conversion to biomass/waste-to-energy



Energy performance benchmarking

- > Use of ENERGY STAR, Canada Green Building Council and evergreen tools

PSPC Real Property

Environmental Moonshots

Achieving a carbon neutral national portfolio by 2030

Initiative	Contribution towards carbon neutrality
Energy retrofit	26%
Renewable E Purchased	14%
Central heating & cooling	12%
Asset divestment	12%
ABW-supported divestment	8%
Efficient (LED) lighting	6%
Offsets	TBD
New technologies	TBD
Other initiatives	TBD
Total	100%

Source: National Carbon Neutral Portfolio Plan (March 2017)



Master plan for nodes and campuses

- > Redevelopment of major sites in the National Capital Area: Carling Campus, Tunney's Pasture and Confederation Heights
- > Progression towards carbon-neutral communities



Government-wide energy procurement initiatives

- > Purchasing of "clean" electricity
- > Procurement of gas management services



Resiliency: climate adaptation

- > Evaluation of climate resilience through Building Owners and Managers Association Climate Adaptation/Resilience Guidelines



Green certification tools

- > LEED, BOMA, BEST and Green Globe
- > Evaluation of current certification tools
- > WELL and Living Building Challenge (longer term)