

RPD

CleanBC Government Buildings Program January 2021



Ministry of
Citizens' Services

cleanBC Government
Buildings Program

Purpose

- To provide information on the mandate and program elements of the CITZ CleanBC Government Buildings Program



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Outline

- Context
- Mandate
- Energy and Greenhouse Gas (GHG) Targets
- CleanBC Government Buildings Program
- Investments and Initiatives
- Challenges and Mitigation

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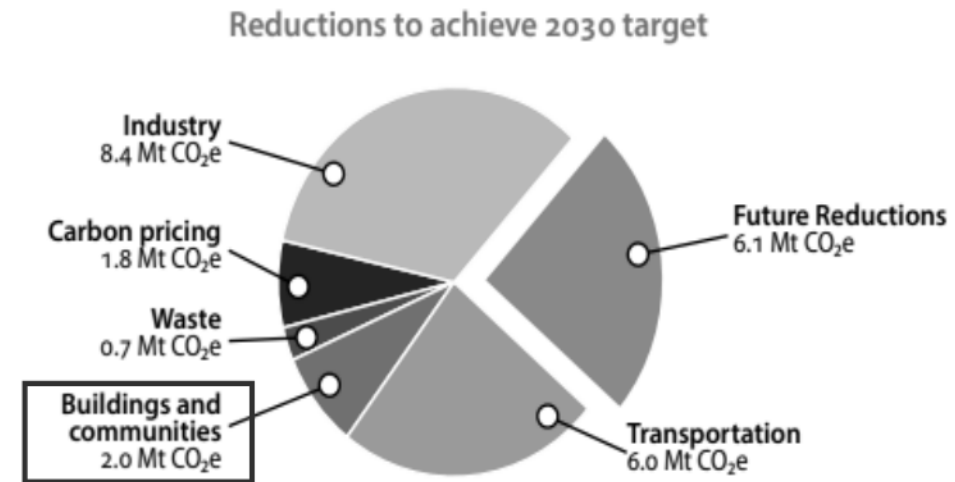
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CleanBC Context and Mandate

- CleanBC Program Context
 - CleanBC Government Buildings Program
- Mandate
 - Climate Change Accountability Act
 - CleanBC Strategy
- RPD Portfolio
 - Annual energy costs



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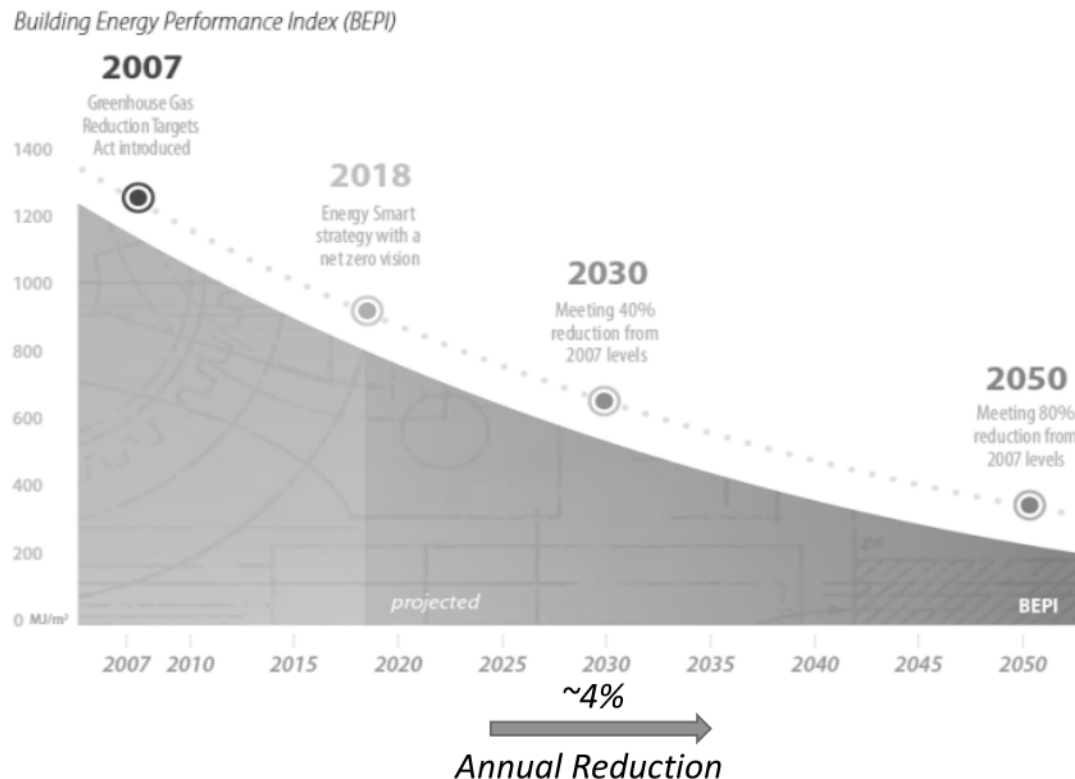
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Energy and Greenhouse Gas (GHG) Targets



Provincial reduction targets are measured compared to 2007:

- 40% by 2030
 - **CleanBC raised target to 50% by 2030 (over 2010)**
- 60% by 2040
- 80% by 2050

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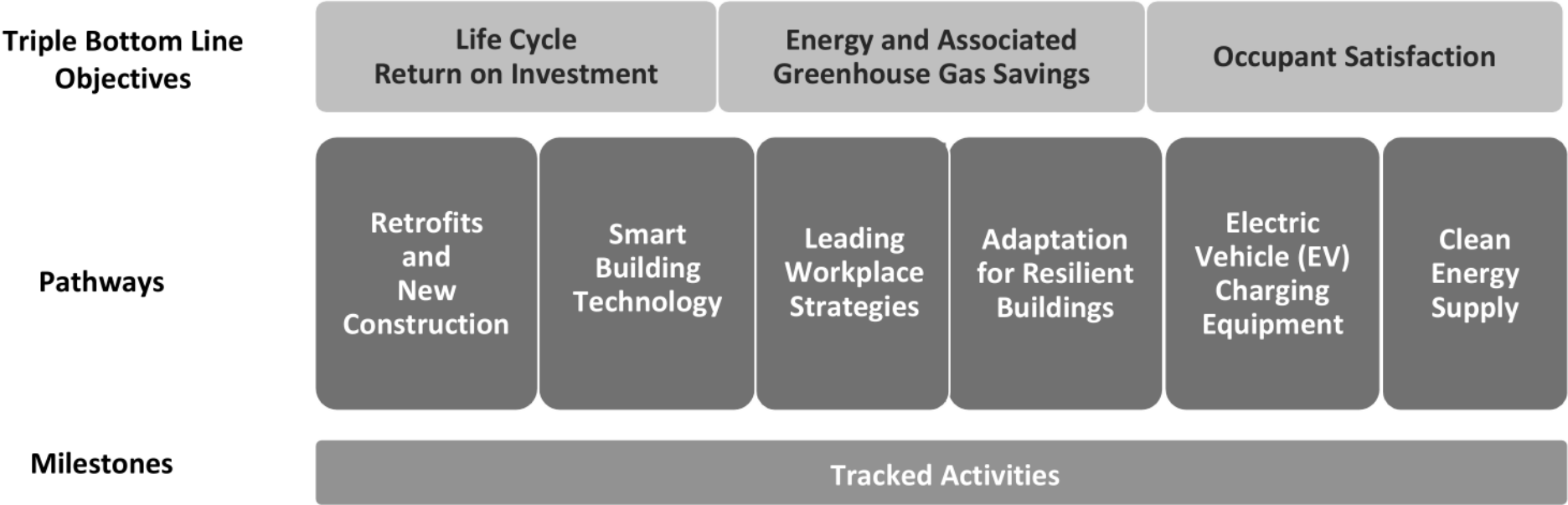
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CleanBC Government Buildings Program

A strategy to invest in energy reduction and smarter buildings in the BC Government

5 Year Rolling Plan – 2019/2020 to 2023/2024

\$8.5 million Capital for Years 1-5 and \$5.0 million Expense for Years 1-3



Initiatives

Retrofits and New Construction:

- Energy retrofits at 16+ sites
- New buildings - LEED Gold or higher
- Energy efficiency upgrades
- Net-zero building retrofit
- Energy performance improvements

Smart Technology:

- Building automation and WiFi upgrades
- Modern building controls systems
- Real-time energy reporting

Adaptation and Climate Risk:

- Reducing risk/liability
- Climate risk assessments

Clean Energy:

- Clean energy supply
- Purchasing renewable natural gas
- Developing solar photo voltaic (PC) projects
- Community Energy Systems

Mobile Workspace (LWS):

- Implemented 10 Leading Workplace Strategy (LWS) workspaces

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Electric Vehicle (EV) Charging Stations

- CleanBC Goal: Light Duty Vehicle sales must be zero emissions vehicles:
 - 2025 = 10%
 - 2030 = 30%
 - 2040 = 100%
- EV charging infrastructure across portfolio:
 - Employee/visitors to government buildings
 - Fleet vehicles

Existing & Upcoming EV Charging Installations

Installation Year	Fleet Stalls	Employee/Visitor Stalls
18/19	13	32
19/20	7	44
20/21*	17	24
21/22*	56	40

**planned*

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Challenges and Mitigation Strategies

- Impacts of COVID-19 and new service provider contract on project implementation → • Focus on GHG reductions over 2-3 years, rather than on an annual basis
- Uncertainty of climate change and requirement to include projects related to Adaptation → • Maintain a flexible program structure that can scale to the budget/program needs
- Reporting methodology changes → • Maintain focus on reduction of emissions

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Questions?

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FW: Jan 28 - TB

From: Fleurant, Kathleen CITZ:EX <Kathleen.Fleurant@gov.bc.ca>, Fleurant, Kathleen AEST:EX <Kathleen.Fleurant@gov.bc.ca>
To: Lawal, Kassandra CITZ:EX <Kassandra.Lawal@gov.bc.ca>
Cc: Smith, Krystal CITZ:EX <Krystal.Smith@gov.bc.ca>, Smith, Krystal LBR:EX <Krystal.Smith@gov.bc.ca>
Sent: January 25, 2021 2:59:00 PM PST
Attachments: Deputy Minister - FAQs_Workplace Technology Support Procurement.docx
Hi Kass,

The DMO has sent over some Qs&As for Shauna for TB on Thursday. Shauna wanted to share with Minister for her info. Please see attached.

If you want me to share directly with MLB, let me know, otherwise it's with you to discuss with her.

Thanks,
Kathleen

From: Cook, Jeannette CITZ:EX <Jeannette.Cook@gov.bc.ca>
Sent: January 25, 2021 1:50 PM
To: Fleurant, Kathleen CITZ:EX <Kathleen.Fleurant@gov.bc.ca>
Cc: Molyneux, Jennifer CITZ:EX <Jennifer.Molyneux@gov.bc.ca>; Thacker, Rebecca CITZ:EX <Rebecca.Thacker@gov.bc.ca>
Subject: Jan 28 - TB

Hi Kathleen,

The program area put together some Qs&As for Shauna for TB on Thursday. Shauna wanted to share with Minister for her info. Please see attached.

Thanks.
JC

Jeannette Cook | Director, Executive Operations
Deputy Minister's Office | Ministry of Citizens' Services
Ph: 250 387-8817 | **e:** jeannette.cook@gov.bc.ca

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