



cleanBC

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A/DIRECTOR, CLEAN
GOVERNMENT**

**DEVELOPING A CLIMATE STRATEGY FOR EXISTING PUBLIC SECTOR
BUILDINGS**

PRESENTATION OUTLINE:



- Level set on existing PS building inventory
- Identify fiscal considerations, policy challenges
- Provide overview of Strategy development approach

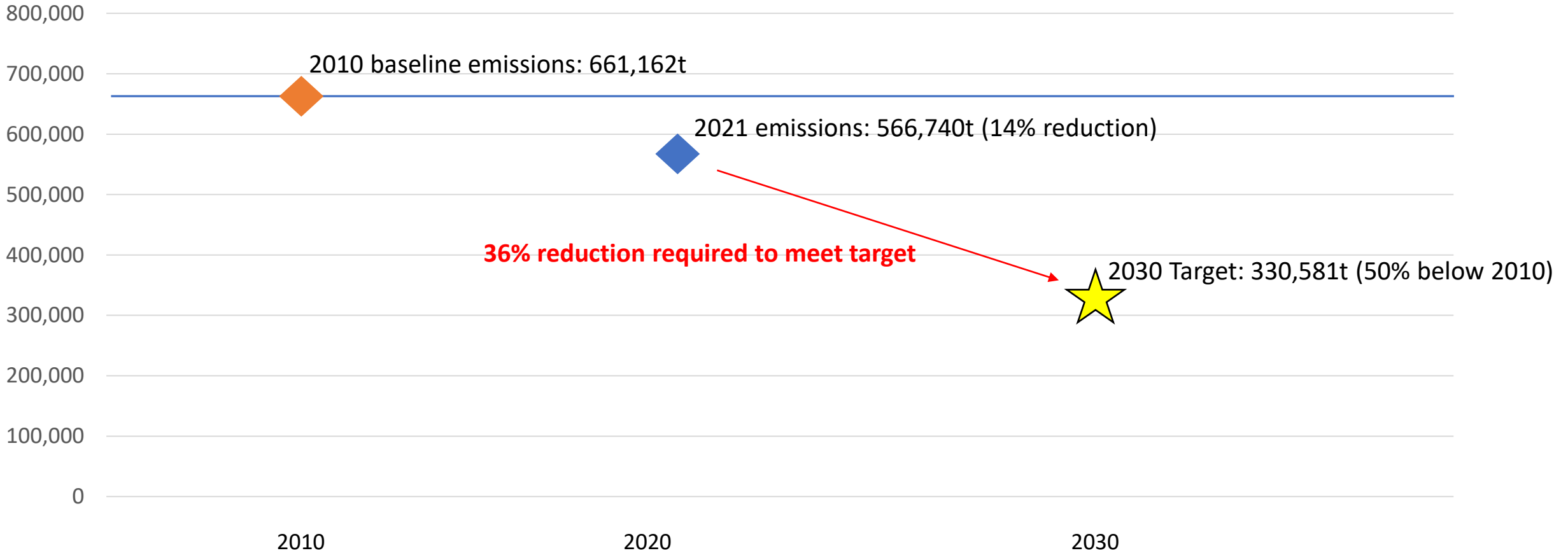
ROADMAP TO 2030 COMMITMENT:



"Develop and implement a comprehensive strategy to transform our existing buildings portfolio to a low carbon and resiliency standard"



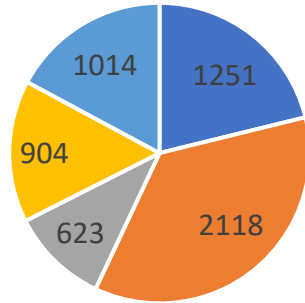
CLEANBC PUBLIC SECTOR BUILDING TARGETS



PUBLIC BUILDINGS PORTFOLIO SNAPSHOT

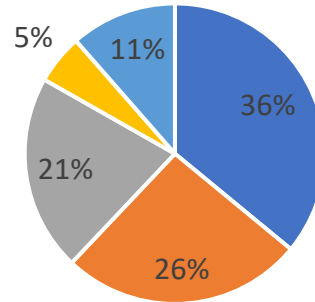


Building Inventory: 5,910



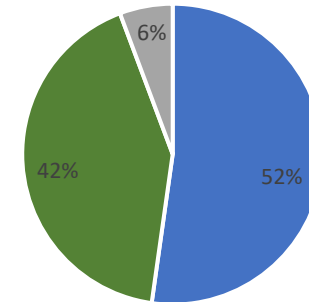
■ HA ■ SD ■ U/C ■ CC ■ GOV

Building Emissions: 566,740t



■ HA ■ SD ■ U/C ■ CC ■ Gov

Building Energy Use



■ NG ■ Electricity ■ Other direct combustion

Building Ownership (vs. leased)

Sector	Owned*
HA	54%
SD	97%
U/C	87%
CC	75%
GOV	53%

*broader PS figures are estimates

Building Age (years)

Sector	Average Age*
HA	~40
SD	~60
U/C	~40
CC	unknown
GOV	~45

*broader PS figures are estimates

Legend:

- HA – Health Authorities
- SD – School Districts
- U/C – Universities & Colleges
- CC – Crown Corporations
- GOV – Core Government

FINANCIAL CONSIDERATIONS

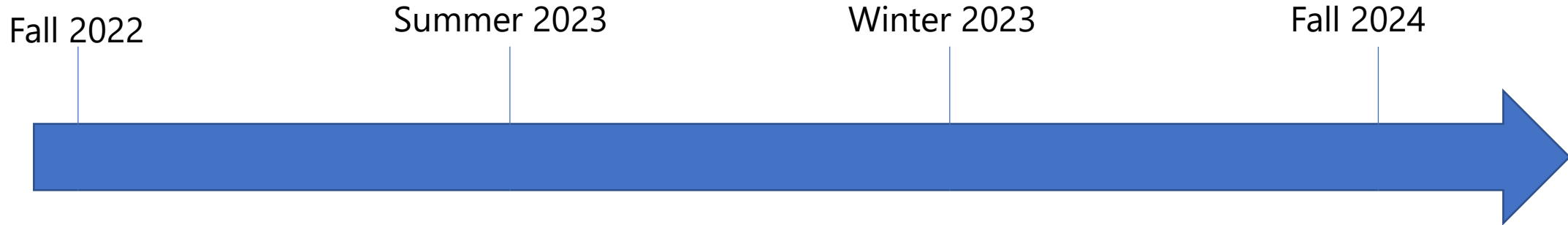
- Substantial capital funding needed for energy upgrades to meet 2030 emissions target
- Capital requirements for resiliency upgrades currently unknown
- Available funding programs fully expended:
 - Carbon Neutral Capital Program – \$50M per year allocated to Ministry of Health, AEST and Education
 - CleanBC Government Buildings Program – \$58M allocated from 2019-2024 to core government



POLICY CONSIDERATIONS

- Major change from status-quo is required to achieve 2030 Roadmap targets with little runway. The anticipated capital/operational impacts associated in meeting the required change represent a significant barrier.
- The size and diversity of the existing building portfolio creates complexity when considering best strategic approach – access to tangible data on the existing building portfolio compounds this complexity.
- Climate resiliency, within the context of existing building retrofits and upgrades, is a relatively new concept – subject matter expertise and information/data gaps exist.

PROPOSED PROJECT TIMELINE



Phase 1: Project Governance - Research and Analysis

- Establish project governance
- Complete policy work (internal and contracted)
- Key Deliverables: Discussion Paper (DP)

Phase 2: Engagement

- Leverage DP to engage with internal/external stakeholders and Indigenous groups
- Key Deliverable: Revised Options

Phase 3: Cabinet

- Key Deliverable: Cabinet/TB Sub on final strategy proposal

PHASE 1 – RESEARCH & ANALYSIS:

- Leverage existing data and acquire new data to support detailed existing building portfolio assessment – underway
- Develop fiscal impact estimates for major energy/resilience retrofits and identify financing options – underway
- Consider alternative pathways to achieving emissions reductions, including building emissions benchmarking and building optimization – underway
- Develop preliminary options/pathways within a Discussion Paper – to be commenced



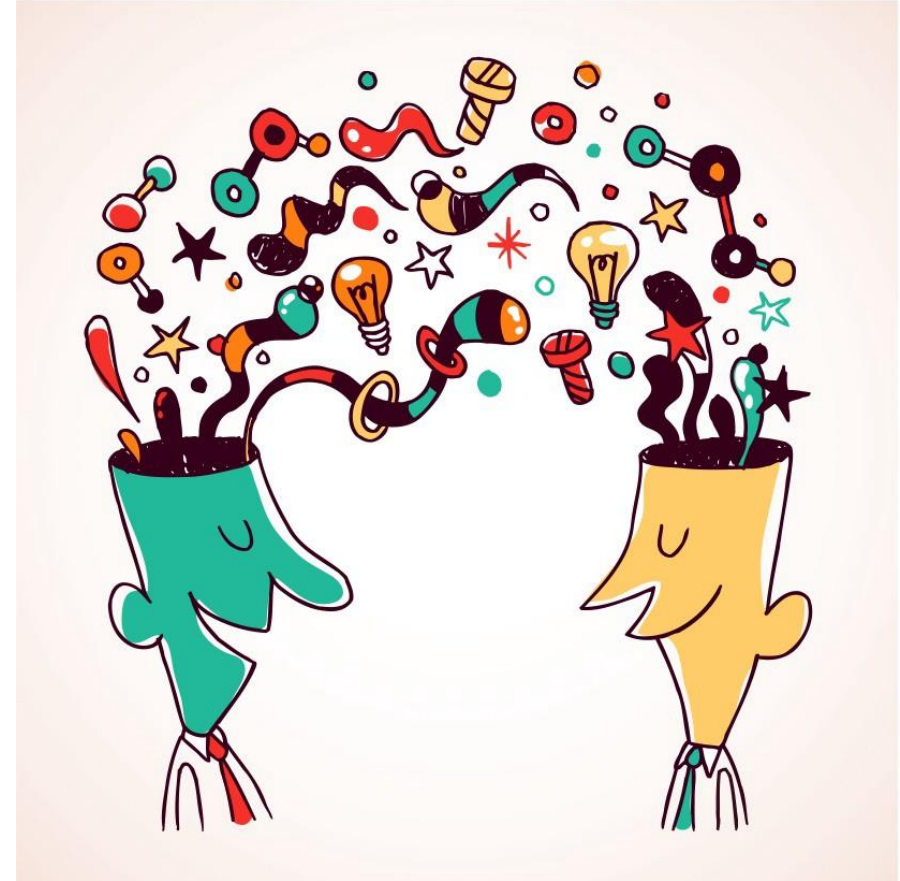
KEY PARTNERS, INTERESTED & IMPACTED PARTIES:

Internal:

- Climate Risk Mitigation (CAS)
- CITZ, EMBC, SDPR
- FIN - Treasury Board Capital Branch; Provincial Treasury
- Capital ministries (AEST, HLTH, EDU)
- Policy Ministries (BSSB, EMLI, JERI)

External:

- Public Sector Organizations
- Indigenous Nations/Organizations
- Industry
- Utilities



THANK YOU!

QUESTIONS FOR BREAKOUT ROOM



1. With a “boots on the ground” perspective, what are 1-3 things the emerging Public Sector Existing Building Strategy will have to consider to succeed at reducing building emissions?
2. What are some challenges you have experienced with previous efforts to reduce emissions in existing buildings?
3. Is there any person or organization you see as a leader in reducing building emissions in existing buildings?

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