



cleanBC

CLIMATE
LEADERSHIP
SYMPOSIUM

Public Sector and Local
Government Action



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our nature. our power. **our future.**

DEVELOPING A PUBLIC SECTOR EXISTING BUILDINGS STRATEGY

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RECAP: NEW BUILDINGS

ESGFC – CLEANBC PILLAR



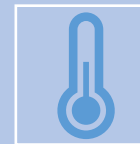
Standards



Outcomes



Climate Resilience Framework and Standards



Address priority climate risks



Green Building Standard



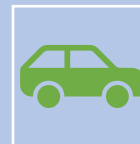
100% clean energy for primary space and hot water



Greenhouse Gas Emissions Standard for Buildings



Electric Vehicle Ready Building Standard



Ready to meet EV charging demand

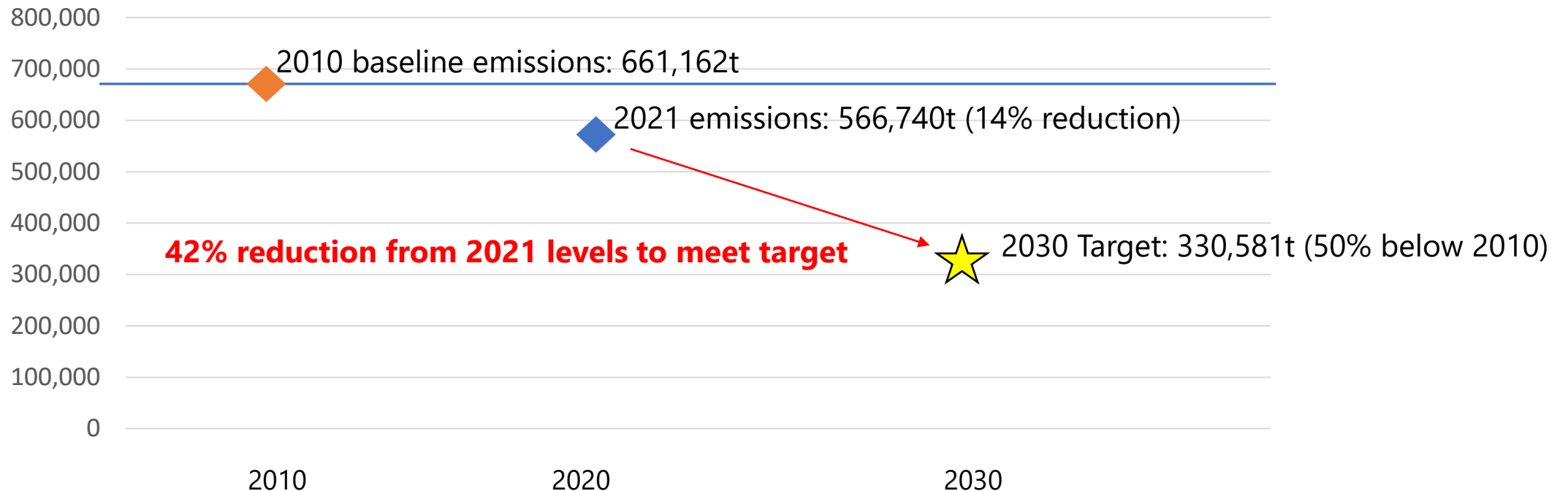
HOW DO WE ACHIEVE SIMILAR OUTCOMES IN EXISTING BUILDINGS?

CLEANBC 2030 ROADMAP



CleanBC commitments include:

1. *Develop and implement a comprehensive strategy (2024) to transform our existing buildings portfolio to **a low carbon and resiliency standard.***
2. *Reduce public sector buildings emissions by 50% and fleet emissions by 40%.*



EXISTING BUILDING STRATEGY – POLICY CHALLENGES:

- Tight timeline to 2030 targets
- Access to capital
- Diversity of portfolio
- Resilience gaps
- Historical disconnect between fleet plans and building plans

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EXISTING BUILDING STRATEGY – POLICY RATIONALE:



- Over 75% of buildings today will be around in 2030
- As understanding of embodied carbon grows, the greenest building is an existing building
- Two or three points of intervention to avoid locked-in emissions - need a plan for eventual and sudden replacements
- Clarity of expectations across multiple actors; absent a common understanding and clear direction we will see business-as-usual outcomes

BC PUBLIC SECTOR AT A GLANCE:



5 sectors

- Health
- Education and Child Care
- Post-Secondary
- Core Government
- Crown Corporations

130+ organizations

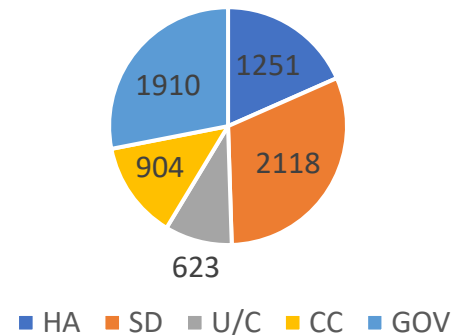
- Health Authorities
- School Districts
- Post-Secondary Institutions
- Core Government
- Crown Corporations

Excludes

- Local governments
- Regional governments
- Private institutions

Public Sector Building Portfolio Snapshot:

Building Inventory: ~6,800

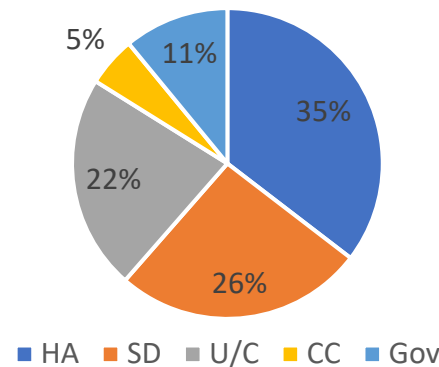


Building Ownership (vs. leased)

Sector	Owned*
HAs	54%
SDs	97%
PSIs	87%
CC	75%
GOV	74%

*broader PS figures are estimates

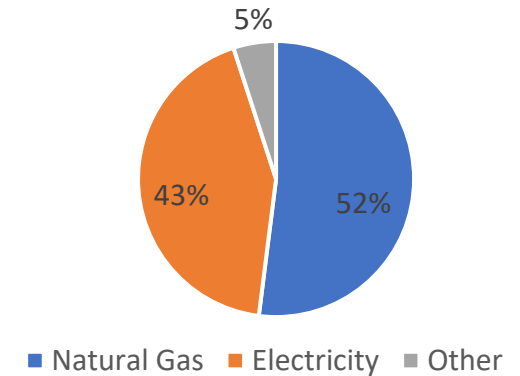
Building Emissions: 593,165 t



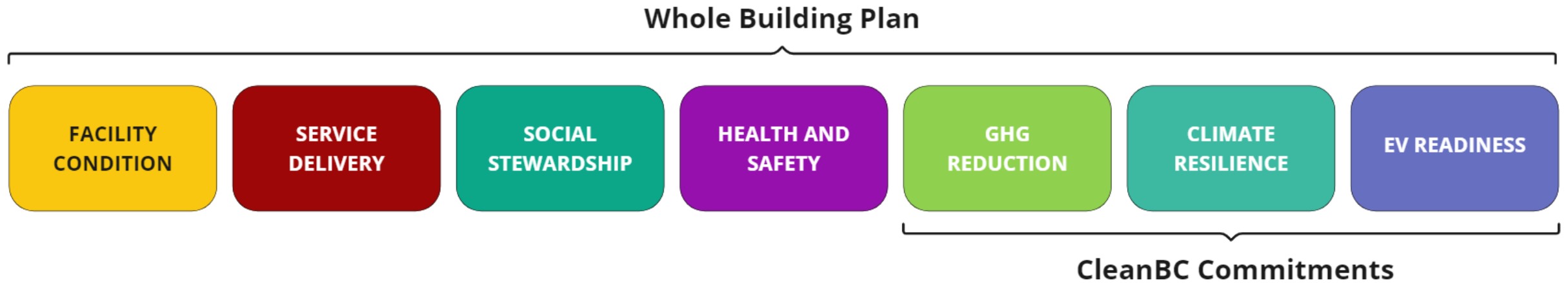
Building Age (years)

Sector	Average Age*
HAs	~40
SDs	~60
PSIs	~40
CC	unknown
GOV	~45

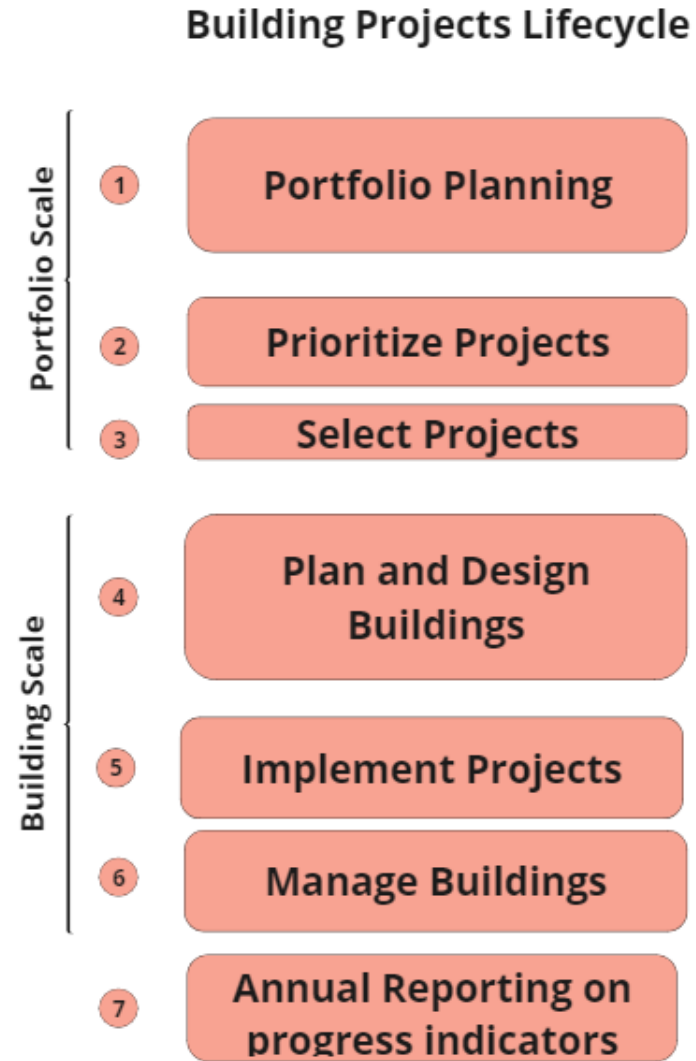
Building Energy Use: 19.2 PJ



DEVELOPING A BUILDINGS STRATEGY



Public Sector Existing Buildings Strategy (PSEBS)



CleanBC Commitments

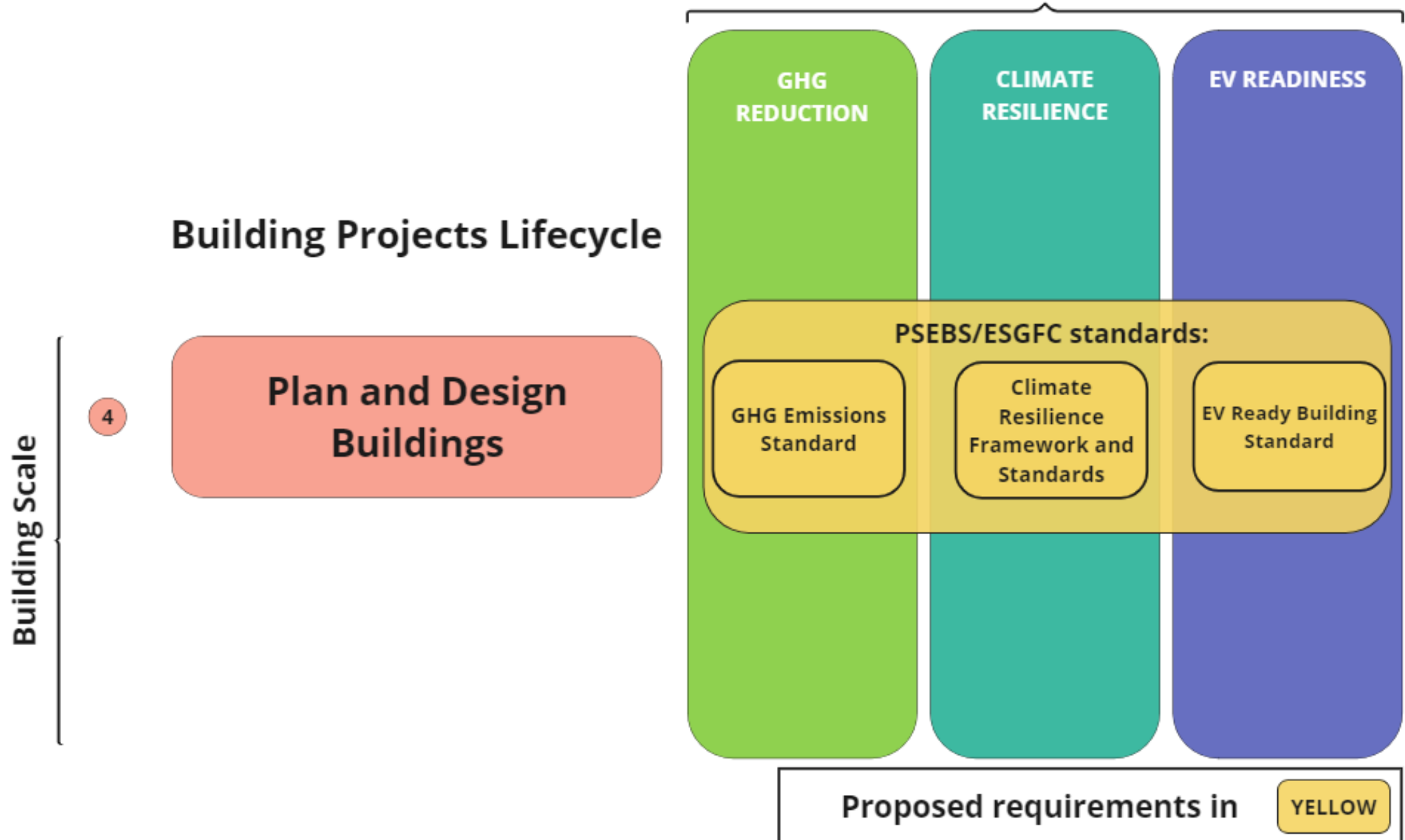
GHG REDUCTION

CLIMATE RESILIENCE

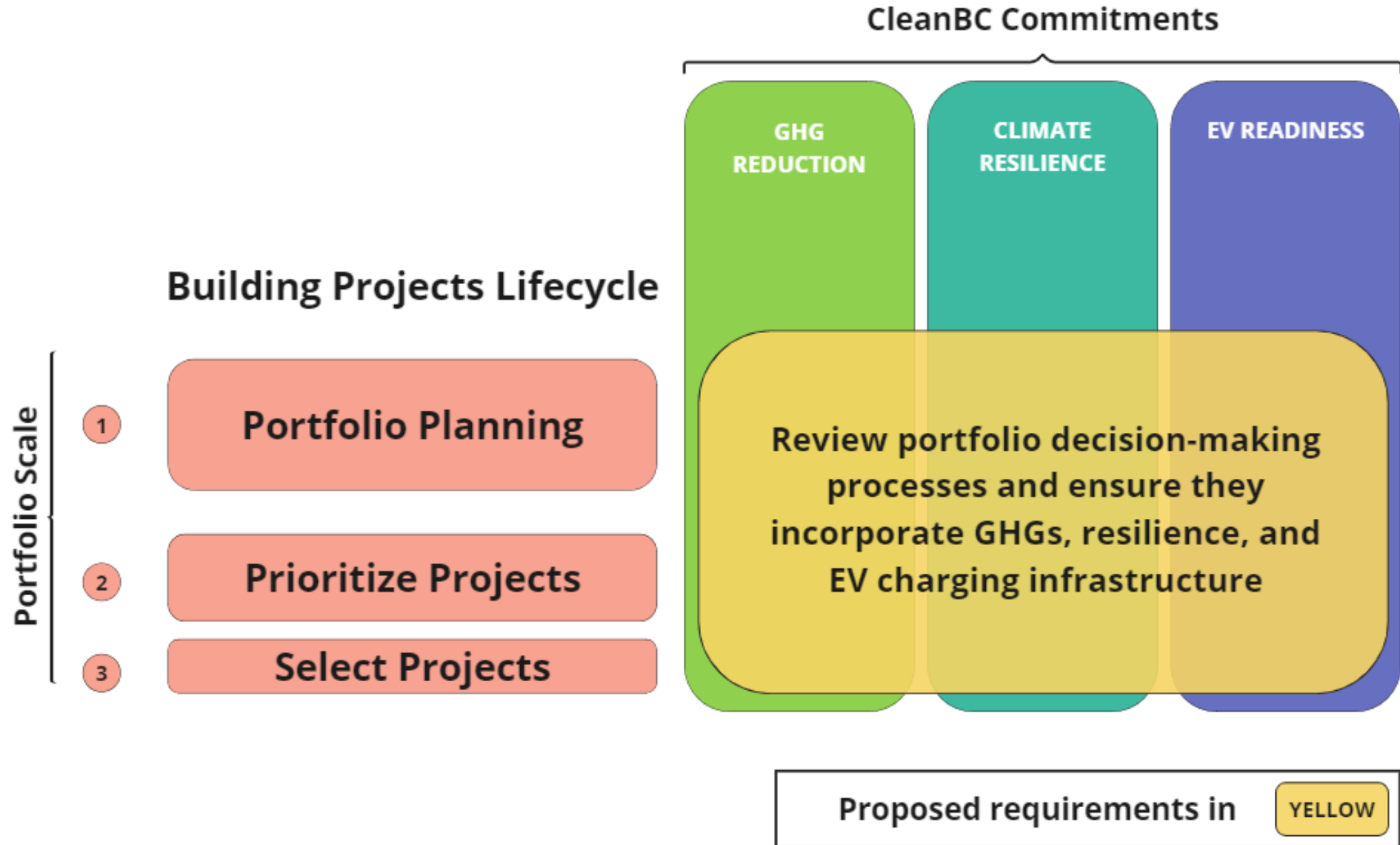
EV READINESS

Public Sector Existing Buildings Strategy

CleanBC Commitments

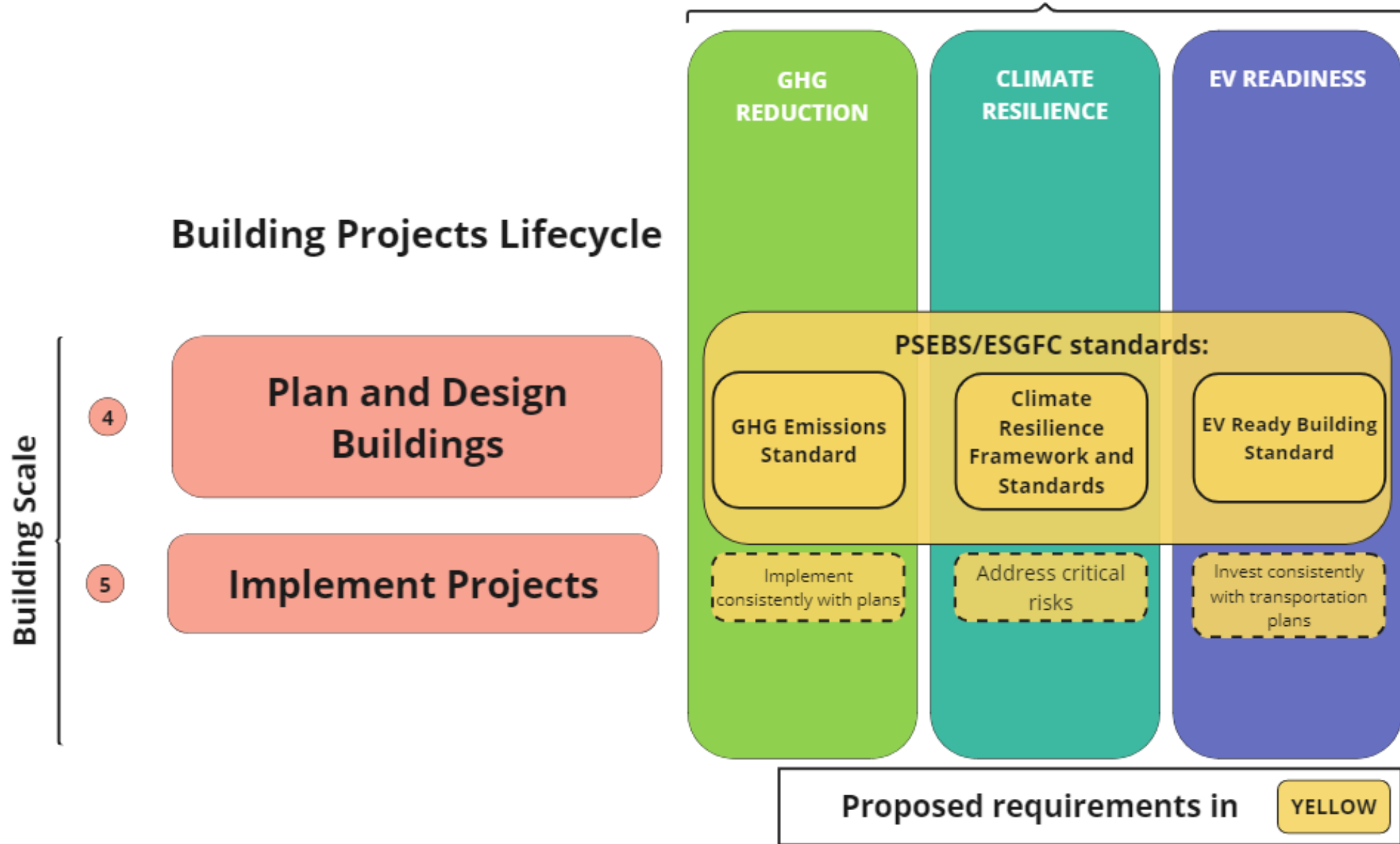


Public Sector Existing Buildings Strategy



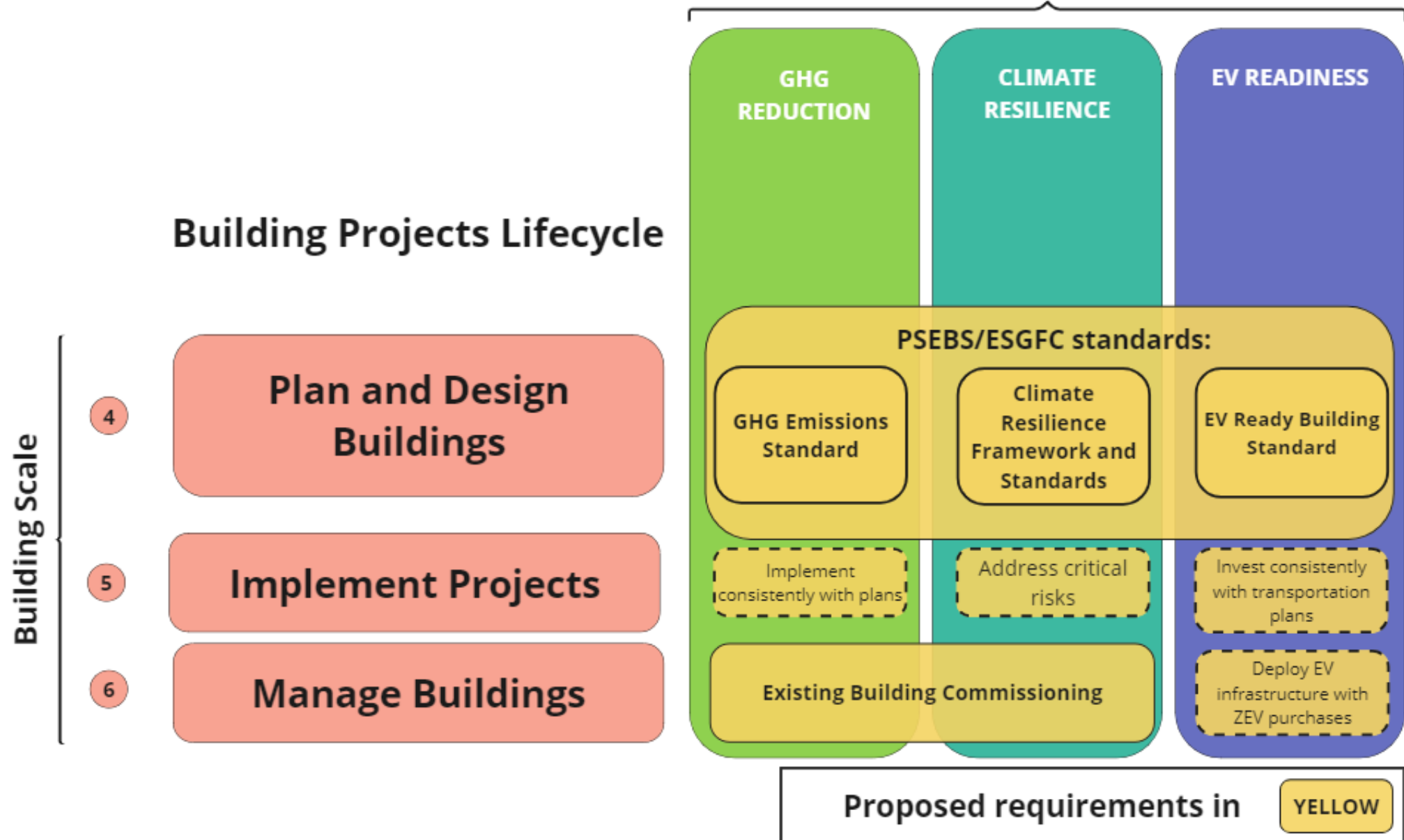
Public Sector Existing Buildings Strategy

CleanBC Commitments

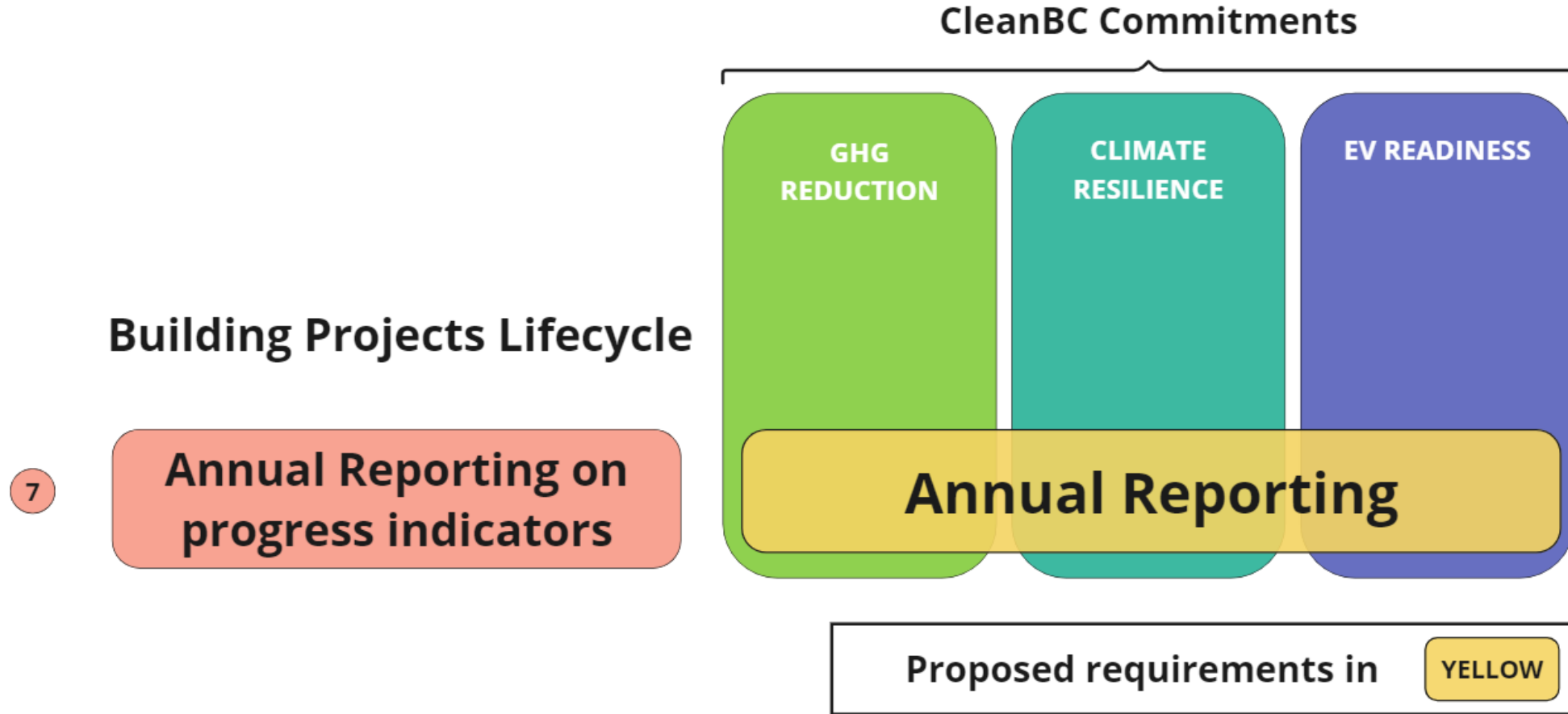


Public Sector Existing Buildings Strategy

CleanBC Commitments



Public Sector Existing Buildings Strategy



RECAP

- A successful public sector building strategy:
 - Ensures investments in public sector buildings are not inconsistent with long-term goals
 - Identifies where we can improve and leverage existing processes in building retrofits rather than create new ones
 - Supports ongoing building recommissioning efforts to reduce emissions and improve resilience
 - Prioritizes opportunities to avoid locking in long-term emissions

QUESTIONS?