

Marpole Transit Centre

City of Vancouver – DP Board Presentation
May 1st, 2023



Together all the way



Project Rationale

The region's vision for improved transit service outlined in Transport 2050 is founded on a vision of *Access for Everyone*.



Our Vision: In 2050, everyone can easily connect to the people, places, and opportunities that they need to thrive — because we all have real choices that we can count on, that we can afford, and that we can safely enjoy for generations to come. Our transportation system supports an inclusive, future-ready region that has meaningfully advanced reconciliation.

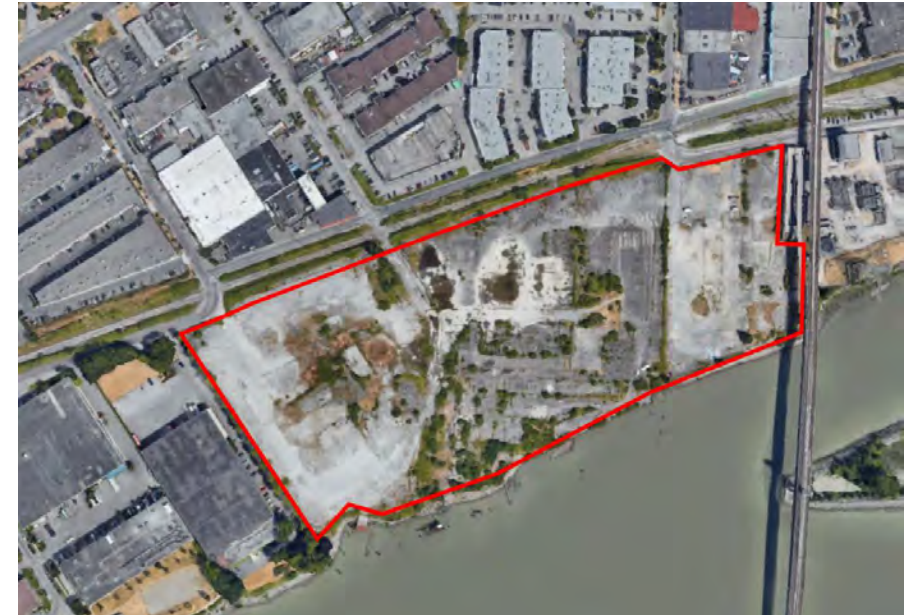
This strategy includes a bus-first approach to serving customers across the region.

Project Rationale

- Marpole area was identified in TransLink's strategic bus facilities plan as a priority location for a bus depot because of the large amount of current service and projected demand in this part of the region.
- Site was acquired by TransLink in 2012
- Constructing a new bus transit centre will:
 - Enable service expansion
 - Facilitate the transition to zero-emission vehicles



Marpole Transit Centre – View of NW corner of site at Laurel & Kent Ave South



Project Objectives

Respond to the climate emergency

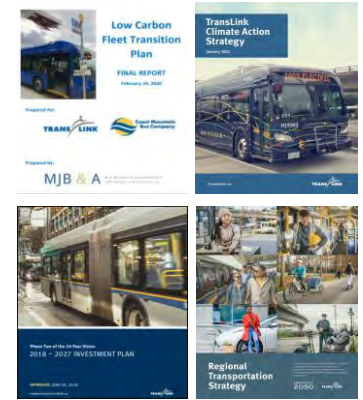
Store, change and maintain battery electric buses

Align project timing with fleet renewal schedules

Shared objectives with Musqueam

Shared objectives with City of Vancouver

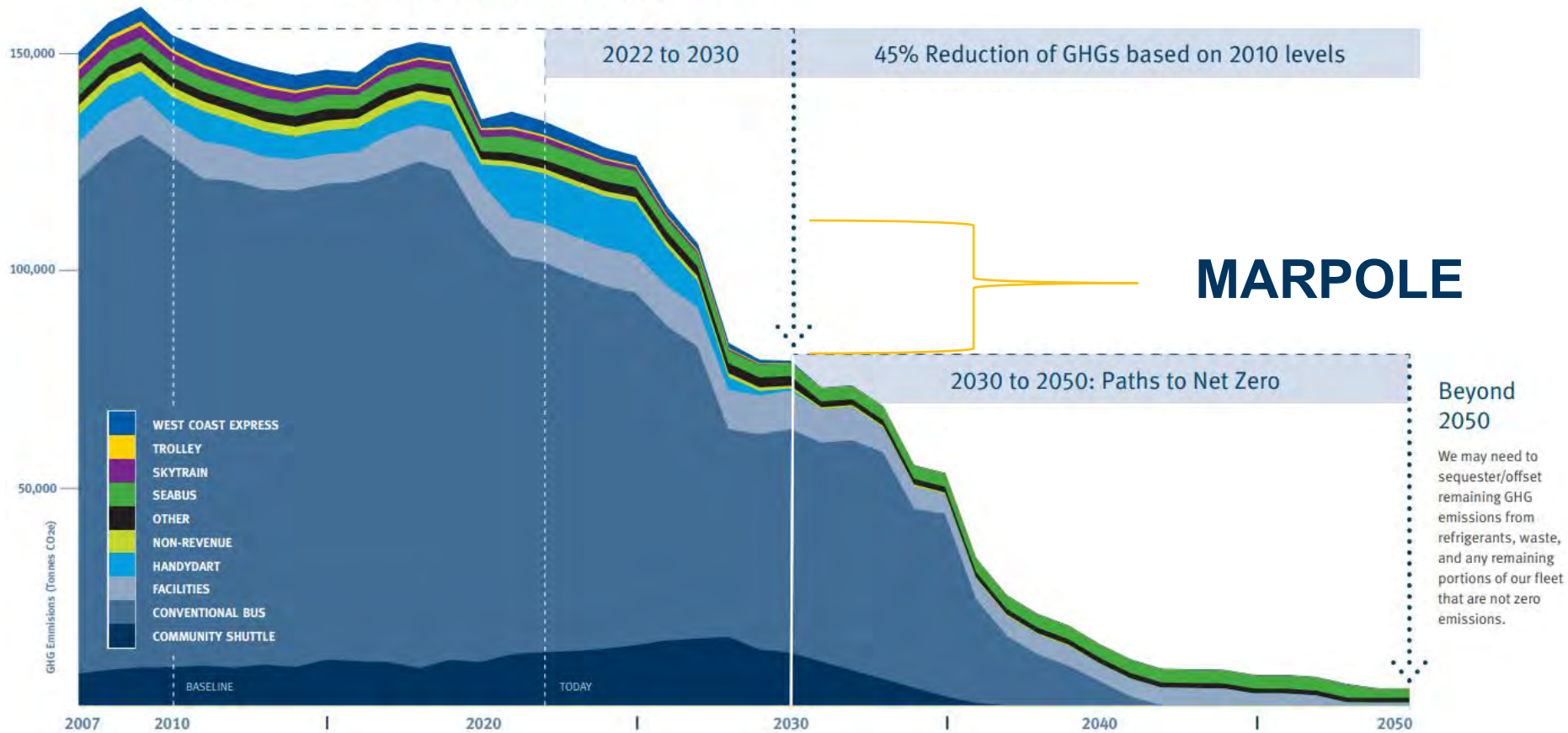
- TransLink Climate Action Strategy to achieve carbon neutrality by 2050 (45% reduction by 2030)
- Marpole Transit Centre to accommodate 300 battery electric buses (replacing diesel buses)
- Facility completion by 2026 (Site work must start Q2 2023)
- Respect cultural heritage – including strengthening cultural continuity, a sense of place and identity, and heritage resources
- Respect Musqueam title – including the right to decide usage of Crown lands/waters, and involvement in design processes
- Restoring & enhancing habitat
- Minimizing archaeological impacts
- Minimizing impacts to Fraser River & fish habitat
- Provide walking / cycling connections to riverfront
- Provide strong ecological connection to the Fraser River
- Establish an ecological network that protects and enhances the integrity of the foreshore while providing public access



We're Targeting a 45% GHG emission reduction by 2030 and transitioning to a fully zero emission bus fleet by 2040

Roadmap to Net Zero

This is our transition pathway to reaching a **45% reduction target by 2030** and achieving **net-zero GHG emissions by 2050**.



Marpole Transit Centre: TransLink's First Fully-Electric Depot

- Capacity to store, charge, and maintain approx. 300 battery electric buses
- Enables replacing 34% of the current diesel fleet with battery-electric buses
- To use electricity for lighting, heating and cooling
- Improves regional air quality



Marpole Transit Centre - NE Corner of MTC site at Kent Ave South & Ash St

Scope of Work

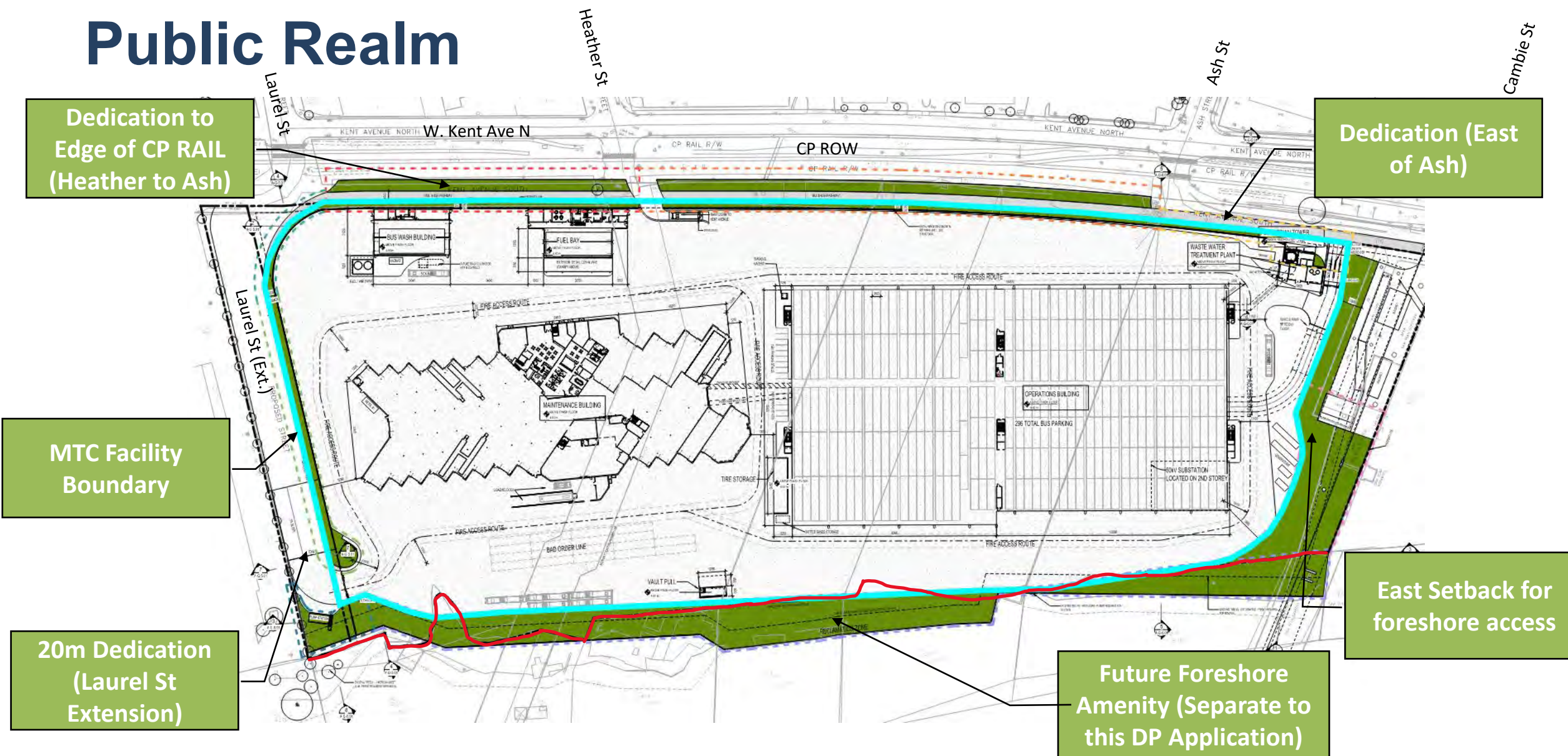
Scope Includes:

- Raising site grade to CoV Flood Construction Level
- 3-storey garage structure, including
 - Bus parking
 - Electrical substation and bus charging equipment.
 - Operations building
- 2-storey maintenance building.
- Ancillary buildings including bus wash and wastewater treatment plant



Marpole Transit Centre – Maintenance Building

Public Realm



Public Realm



Marpole Transit Centre – Staff entrance at Kent Ave South & Ash St



Marpole Transit Centre – Bicycle lane and sidewalk along north boundary of the site

Foreshore Amenity: Addressed in future DP

- Vancouver Fraser River and Burrard Inlet Waterfront Policies and Guidelines require 7.6m (25ft) width for trail.
- Foreshore design to be developed in collaboration with Musqueam Indian Band, which has indicated a preference for habitat restoration.
- MTC facility design provides an average available width of 13.7m (45ft) between the flood protection wall and site boundary.
- As directed by City staff, the foreshore has been removed from the current DP application pending consultation and design development.

Project milestones

- Target start date for site demolition and geotechnical improvements is May 2023
 - Building Permit Applications have been submitted
- Land swap to Council – May/June 2023
- Target facility construction commencing in Oct 2023 following:
 - Land swap (subdivision September 2023)
 - Development permit approval
- Target completion 2026

QUESTIONS



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