



Canadian Nuclear
Safety Commission

Commission canadienne
de sûreté nucléaire

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**Presentation from
Cameco Corporation**

**Présentation de
Cameco Corporation**

**Update from Cameco Corporation
on Vision in Motion Project**

**Mise à jour de Cameco Corporation
sur le projet Vision in Motion**

Commission Meeting

Réunion de la Commission

December 8, 2020

Le 8 décembre 2020

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Cameco

VISION IN MOTION

Overview

VIM is a large, long-term investment in the PHCF site:

▶ **Removal of up to 150,000 cubic metres of inherited waste materials, including some soil excavation**

▶ **Removal of some of the Conversion Facility's surplus buildings**

▶ **Refurbishment of buildings to improve the look and efficiency of the site**

▶ **Installation of flood protection barriers that will also provide radiation, noise and visual shielding along the eastern fenceline**

▶ **Improvements to storm water management infrastructure**

▶ **Shifting of the fence line at the south end of the facility 16 metres to the north**

Removal of up to
150,000 m³
of waste materials

Key Progress

Significant progress has been made over the past two years...

To-date, about 22,000 cubic metres have been removed as part of the work completed.

JUNE 20, 2018

First shipment of historic waste to LTWMF

JANUARY 2019

Repackaging of accumulated waste at Dorset Street and main site

AUGUST 2020

Completion of Municipal EA

JANUARY 2019

All wastes stored at the Centre Pier transferred to the LTWMF

JUNE 2019

Cameco completes demolition of Centre Pier buildings

LAST THREE YEARS

The PHCF has reduced its inventory of accumulated waste by approximately 50%

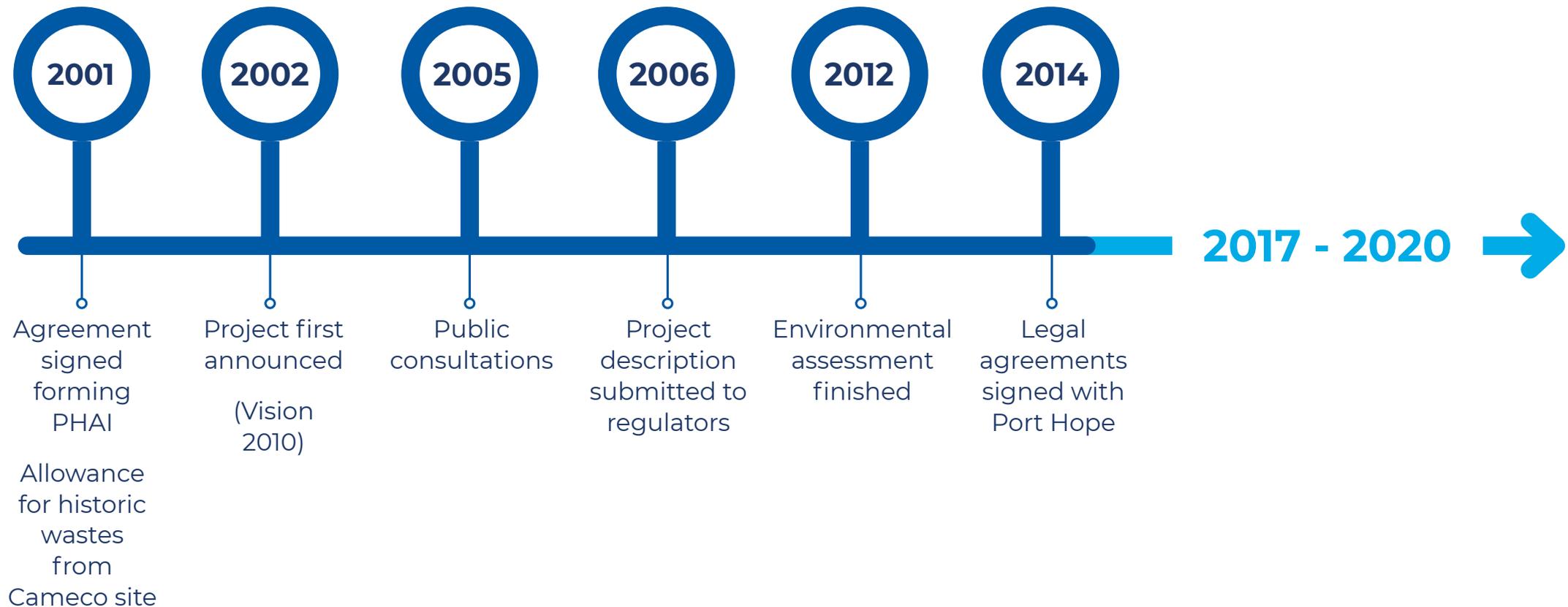
JUNE 2019

Cameco vacates Centre Pier



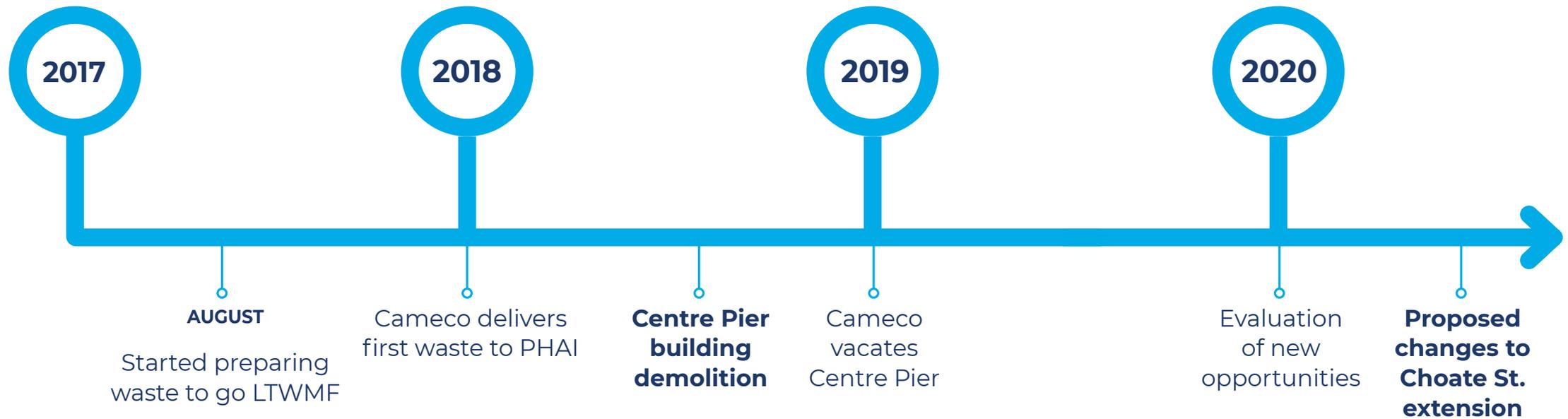
Vision in Motion

Timeline 2001 - 2016





Vision in Motion Timeline 2017-2020



Impacts of Covid-19

- ▶ **Suspended non-essential VIM work to limit the amount of contractors on site in mid-March 2020**
- ▶ **Cameco suspended shipments to LTWMF mid-March 2020**
- ▶ **LTWMF resumed operations in July 2020**





Cameco

Community Engagement

2018

2019

2020

JUNE 13
VIM Open House

SEPTEMBER
Port Hope Fall Fair

SEPTEMBER
Port Hope Fall Fair

SEPTEMBER 6
Community BBQ

SEPTEMBER
Updates to council

ENERGIZE NEWSLETTER Spring 2018, Fall 2018, Spring 2019, Summer 2019, Winter 2020

SOCIAL MEDIA 23 posts from May 11, 2018 to Sept 15, 2020

WEBSITE camecofuel.com 8 posts from June 5, 2018 to August 28, 2020

Waste Management

Inventory of over 35,000 drums of accumulated legacy waste that was primarily stored at two CNSC licensed warehouse locations

June 20, 2018
First shipment of waste to LTWMF

Since the LTWMF opened we have shipped 114 Quatrex totes, 3,200 Super Sacs and 2,349 drums. Total volume of ~9,200 cubic meters.

The PHCF has reduced its inventory of accumulated waste by approximately

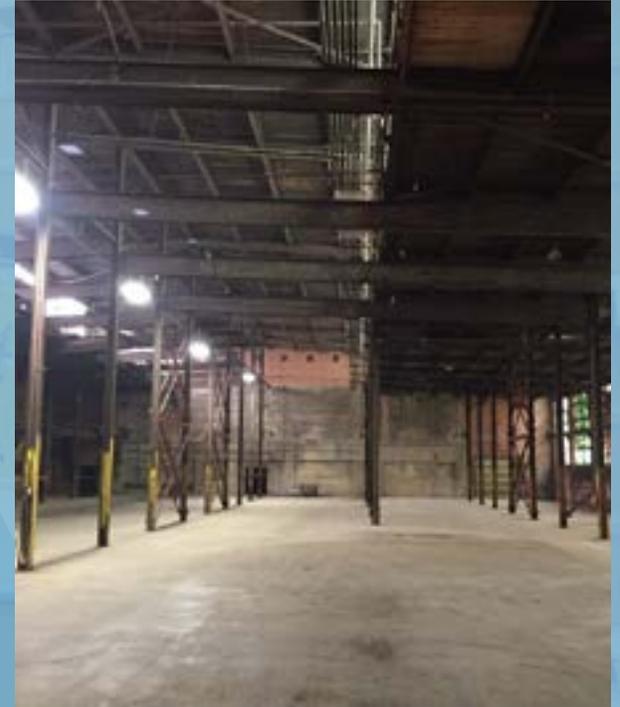
50%

Legacy Inventory



Waste Repackaging

Center Pier Waste



Waste Transport to LTWWMF



Building 27



This is **Building 27**, Cameco's out of service UF_6 plant. Work on this building so far has been focused on asbestos removal and removal of equipment.

Centre Pier Demolition

2019

Completed in **JUNE 2019**



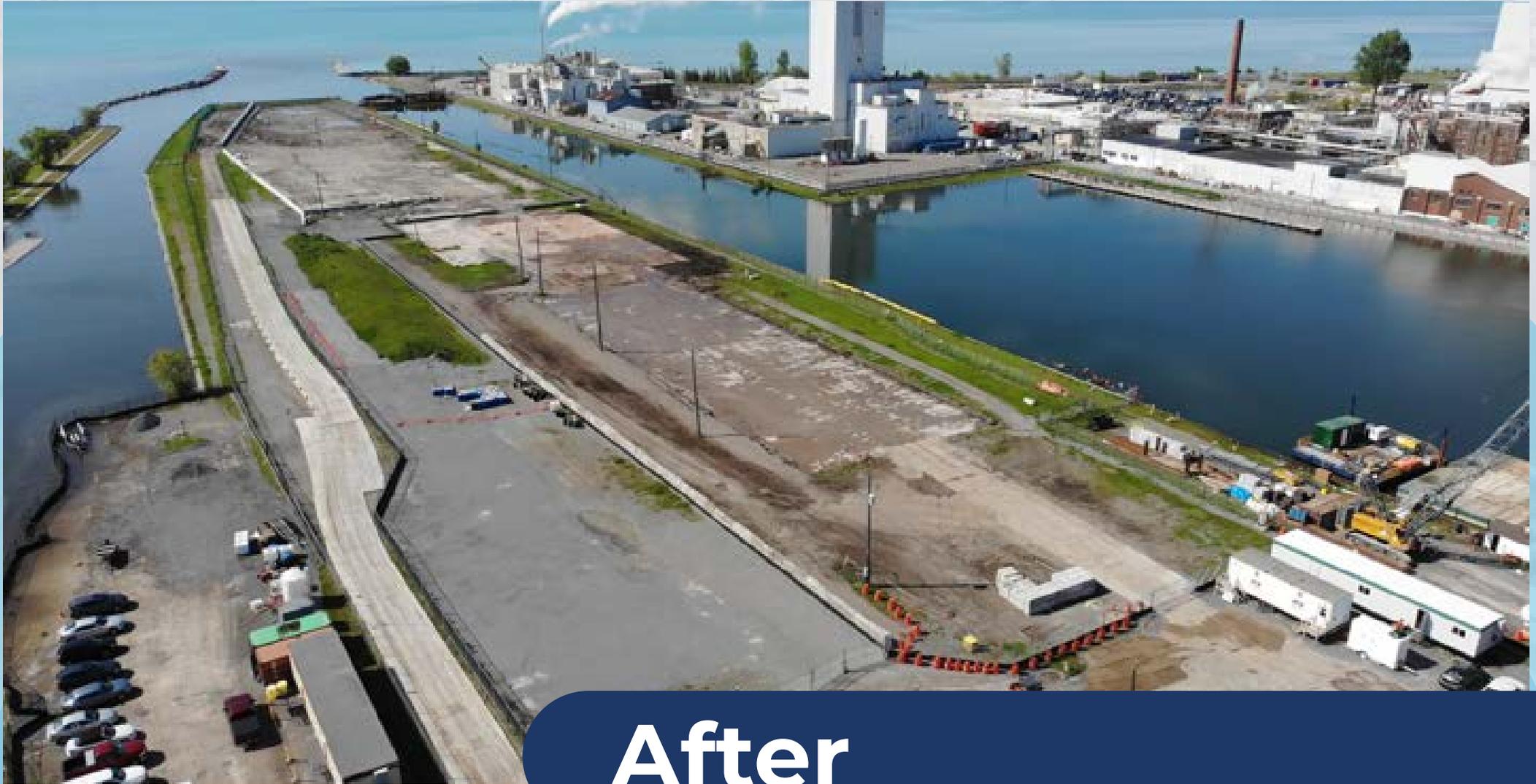
Approximately 15,000 drums of legacy waste safely managed, shipped and now stored at the LTWMF

Time Lapse Video



Before





After

Proposed Changes to Choate St Extension

▶ Choate Street extension was part of the original approved federal Environmental Assessment

▶ Municipal Environmental Assessment completed August 2020

▶ Opportunity identified to improve plan and reflect stakeholder input

▶ Would require changes to legal agreements

Original VIM Illustration

Cylinder storage

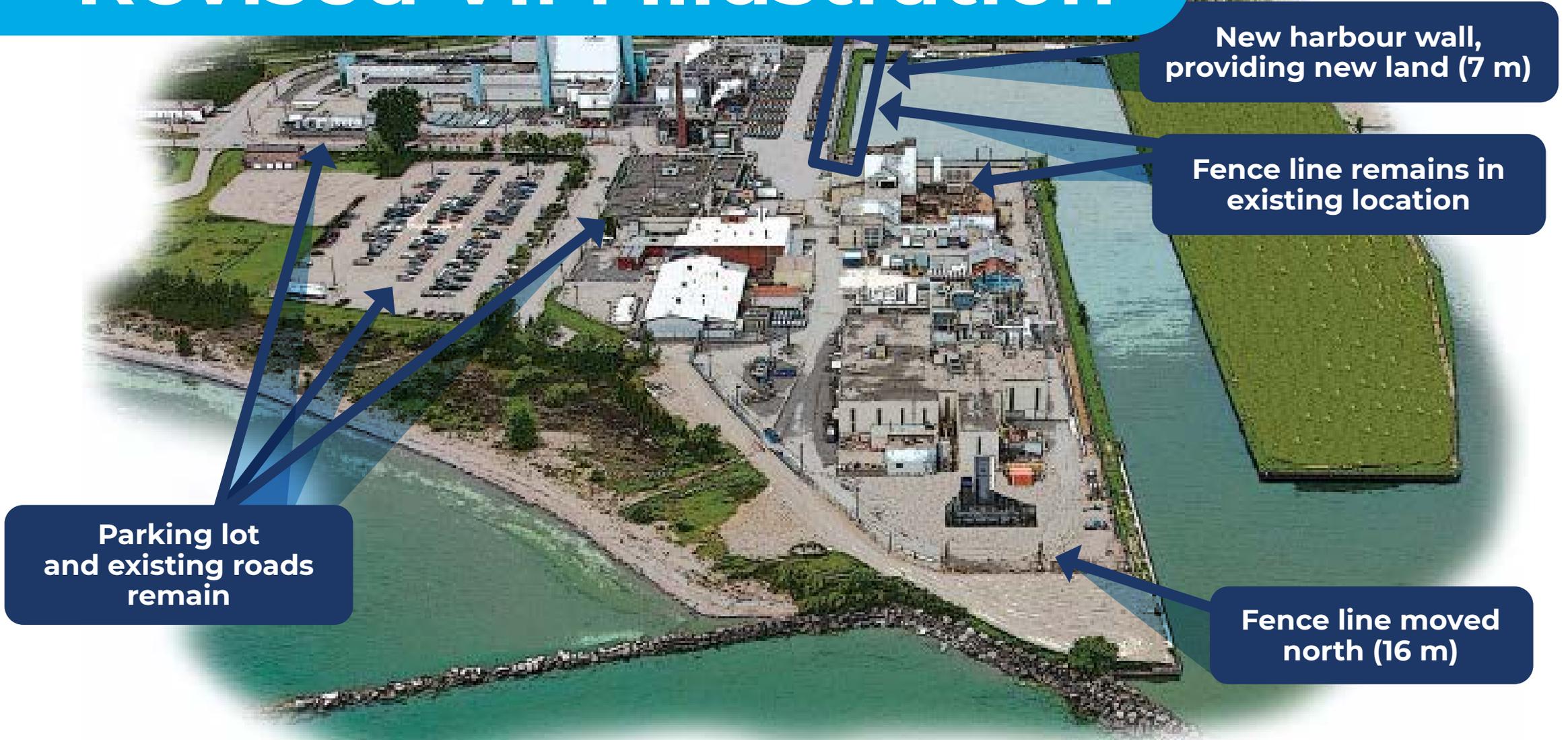
Fence line moved 10 m to create up to 14 m of space for public use

Choate St. Extension and parking lot expansion

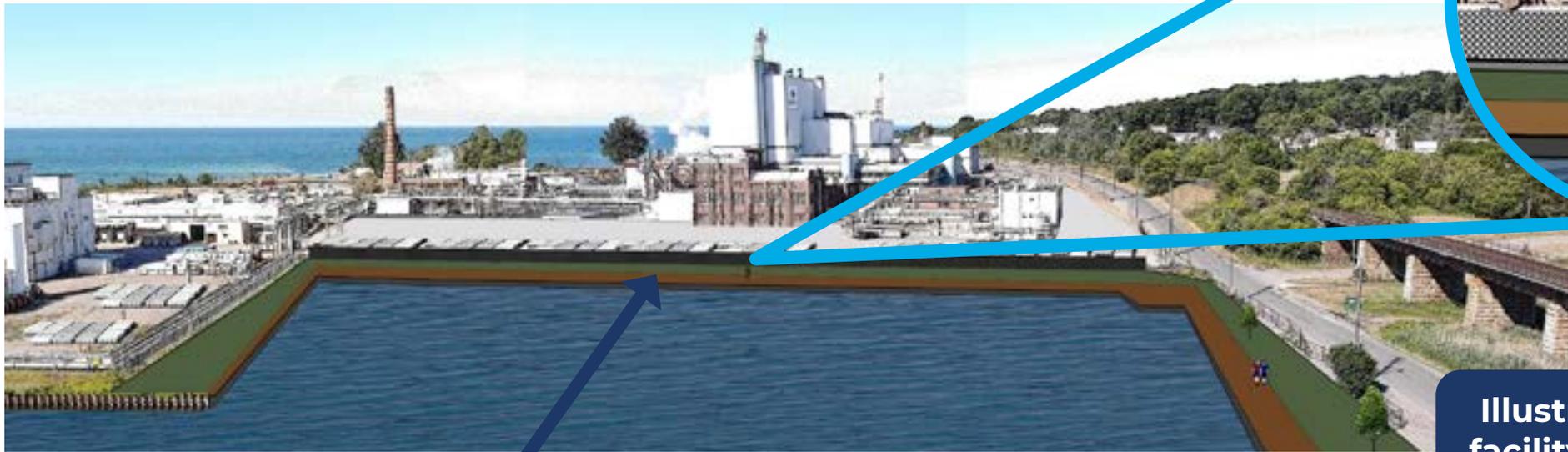
Fence line moved north (16 m)



Revised VIM Illustration



Revised VIM Illustration



New harbour wall and additional public land

Illustration of Cameco facility with changes to harbour lands



Next Steps / Upcoming Work

Several activities are being considered for 2021 taking into consideration COVID-19 restrictions and limitations:

- ▶ Remobilize contractor for continued B27 work
- ▶ Construction at Dorset Street
- ▶ B27 Equipment Removal – September or earlier if resource strategy allows
- ▶ Demolition of tower
- ▶ Demolition & equipment removal in Building 5B