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Vancouver Fraser  
Port Authority

# Preparing the Port of Vancouver for Canada's trade growth

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VP, Operations & Supply Chain

March 2, 2023

Canada

# Outline

- Port authority/Port of Vancouver
- Prosperity through trade
- Healthy environment
- Thriving communities
- Q/A

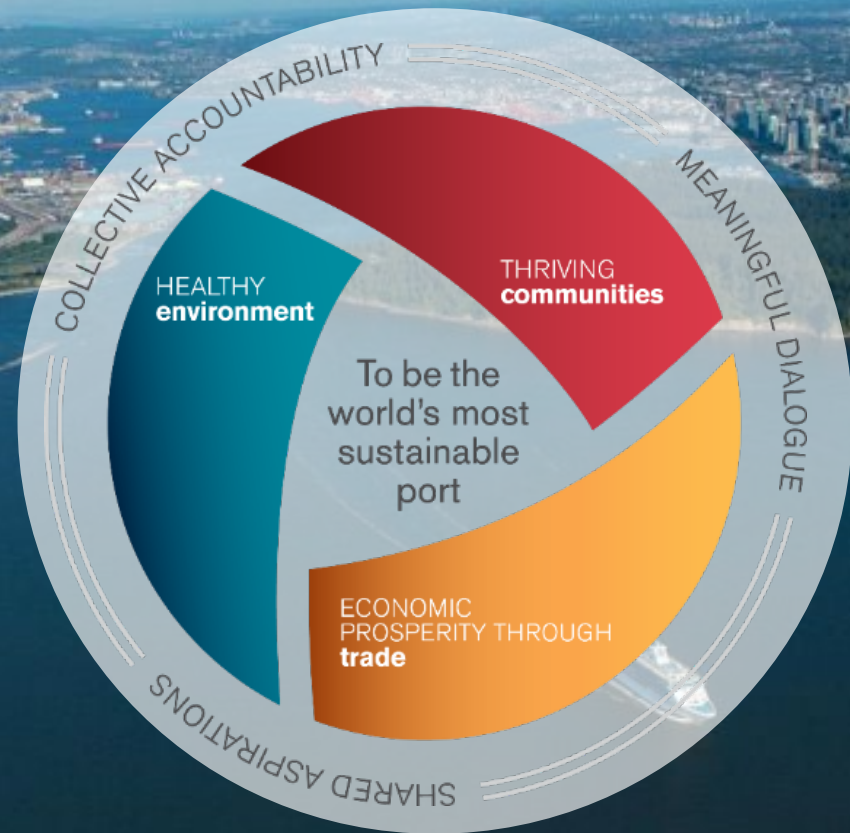


# Vancouver Fraser Port Authority enables Canada's trade

- Collaborate on port safety and security
- Lease federal lands to terminals
- Build infrastructure
- Lead environmental programs
- Work with communities
- Engage with Indigenous groups

# Vancouver Fraser Port Authority: Mission and Vision

**Mission:** To enable Canada's trade objectives, ensuring safety, environmental protection and consideration for local communities



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# Vancouver Fraser Port Authority Governance

## CANADA MARINE ACT CANADA



### **The 11 Governing Directors of the Vancouver Fraser Port Authority are appointed by four bodies:**

1. Federal government appoints eight members, seven of which are recommended by port users
2. Province of British Columbia appoints one member for the province of British Columbia
3. Prairie provinces of Alberta, Saskatchewan and Manitoba collectively appoint one member
4. 16 municipalities that border the port authority's jurisdiction collectively appoint one member

### **Roles and Responsibilities:**

1. Set direction and guide the port authority in fulfilling our mandate
2. Approve the corporate vision, mission, values, and goals
3. Set goals and objectives for corporate performance
4. Review performance against goals and objectives

# The Port of Vancouver: Canada's largest port



- Size of next five Canadian ports combined
- Five business sectors
- Handles trade with 170 economies
- Supports 115,300 Canadian jobs (96,200 in Metro Vancouver)
- \$129 million in municipal taxes
- \$67,900 average wage for direct jobs

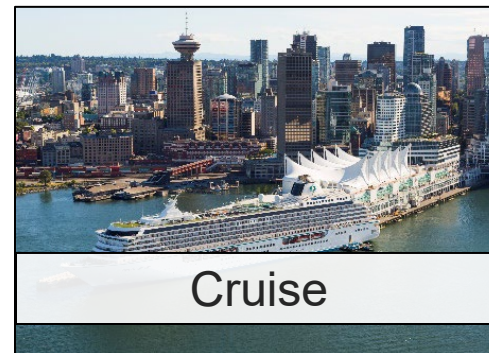
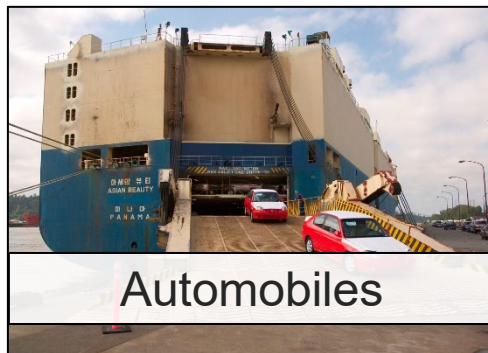
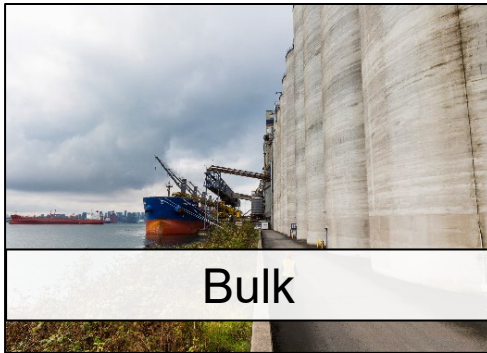


# Organizational Involvement in the Port Authority

- 
- An aerial photograph of the Port of Vancouver, showing a dense residential area in the background, a large industrial port area with several large ships docked at the pier, and a body of water in the foreground. The port area includes various structures, cranes, and shipping containers.
- Federal government
  - Coast Guard, Canada Border Services Agency, RCMP, police
  - Terminal operators
  - Shipping lines
  - Shippers (retailers, resource companies, freight forwarders)
  - Railways, trucking companies











# Most Diversified Port Cargo-Handling in North America





# Cargo Statistics: December 2022 Year-to-Date

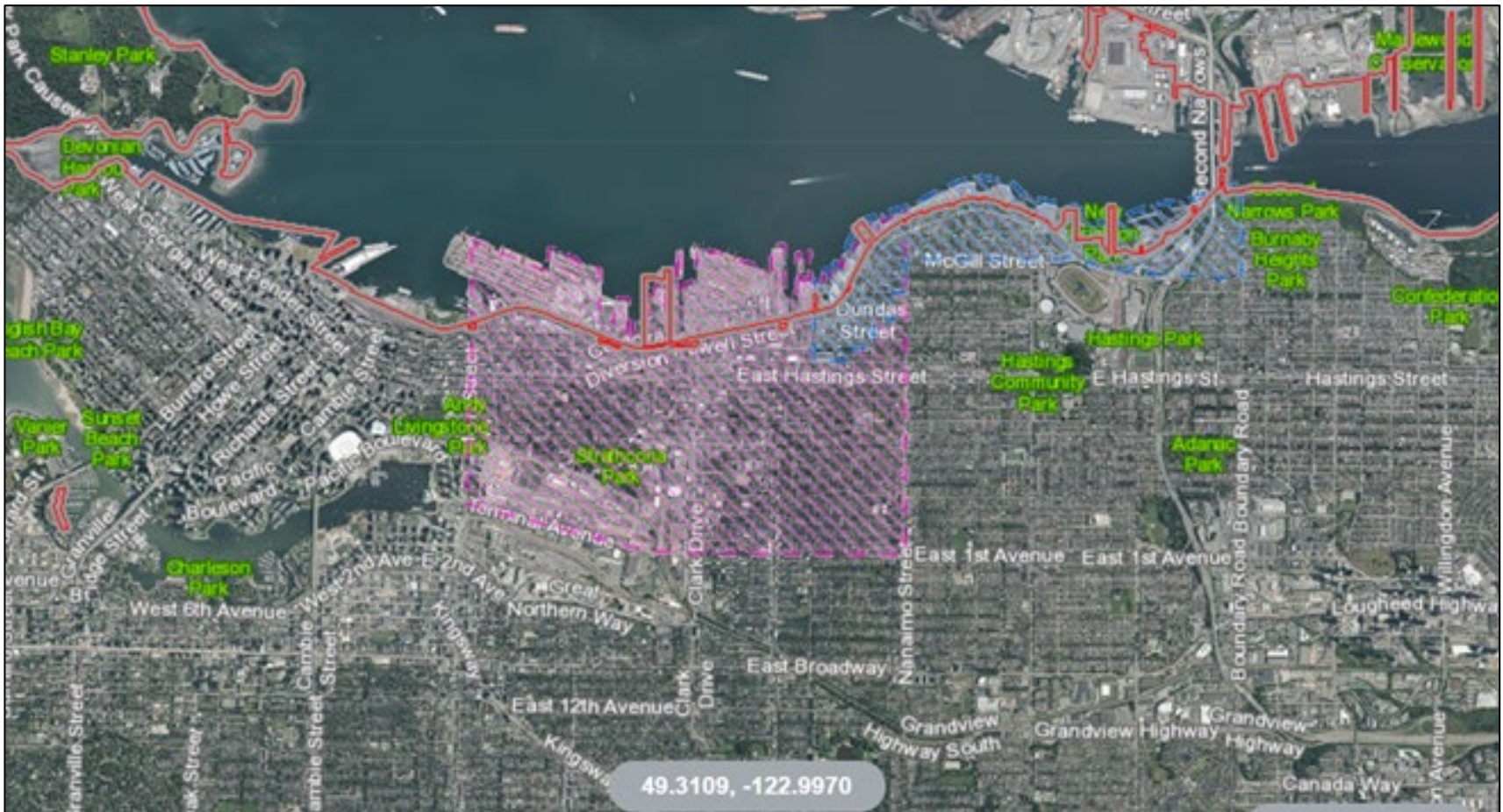
	Total Cargo	Auto	Coal	Grain	Potash	Foreign breakbulk	Container TEUs	Cruise*
YTD								
Compared to 2021	-3%	-6%	6%	-23%	11%	8%	-3%	-24%*

- \*Cruise volumes are compared to 2019 actuals.
- Increases over 2021 seen in coal (6%), potash (11%), sulphur (22%), petroleum products (6%), chemicals (9%) and foreign breakbulk (8%).
- Declines in autos (-6%), grain (-23%), and container TEUs (-3%).





# South Shore Planning and Permitting Area



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# South Shore Port Authority-Led Project Highlights

## Port Authority-Led Projects:

- **Centerm Expansion and South Shore Access Re-Alignment Projects**
  - The Centerm Expansion Project and South Shore Access Project were built to help meet Canada's growing trade demand for goods shipped in containers. The projects were begun in June 2019, and project completion was announced in February 2023.
- **Commissioner Street Road and Rail Realignment Project**
  - Construction of the roadworks began in March 2021 and achieved completion in August 2022. The project included removal of the old Columbia Containers grain elevator, construction of a retaining wall, and realignment of Commissioner Street near Columbia Containers.



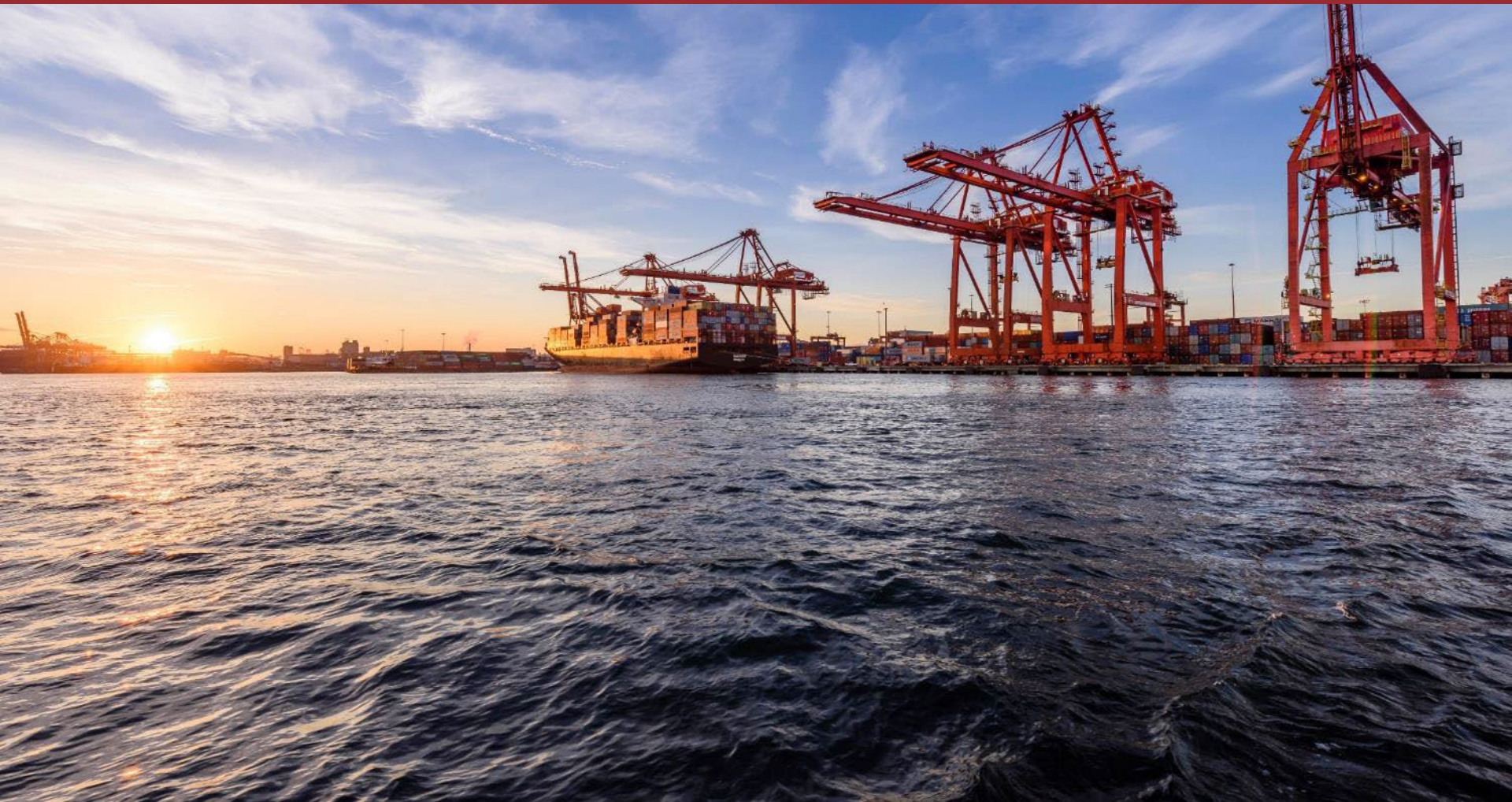
# South Shore Tenant-Led Project Highlights

## Tenant-Led Projects:

- **Alliance Grain Terminal Limited | Shipping Gallery Replacement Project**
  - Completed 2018. The shipping gallery replacement project included decommissioning and removing the current shipping gallery and replacing it with a new rail-mounted shiploader.
- **Western Canada Marine Response Corporation | Oil Spill Emergency Response Base**
  - Substantially completed Quarter 3 of 2022; Completion expected end of March 2023. Western Canada Marine Response Corporation constructed an oil spill emergency response base in Burrard Inlet. This base is part of a larger expansion planned to meet enhanced response requirements associated with the Trans Mountain Expansion Project.
- **Viterra Pacific Elevators | Shipping Upgrade Project**
  - Completed October 2016. Viterra completed a ship loading system upgrade at its existing Pacific Terminal. The new ship loading system was constructed at an existing dock facility located on the Lapointe Pier side of the facility.
- **Columbia Containers | Partial Bight Infill**
  - Completed June 2020. Columbia Containers widened an internal corridor to facilitate more efficient internal circulation; to stop utilizing Commissioner Street for internal operations; and to better service their new Transloading Facility and Silos project by infilling the foreshore northward by approximately 18m.
- **Canadian Pacific Railway | Cascadia West Rail Extension**
  - Completed March 2021. The project involves the connection of the existing L29 and K10 rail tracks and includes the realignment and installation of new rail, of which approximately 30 metres is within the Vancouver Fraser Port Authority's jurisdiction.



# First Sustainability Pillar: Delivering Prosperity Through Trade

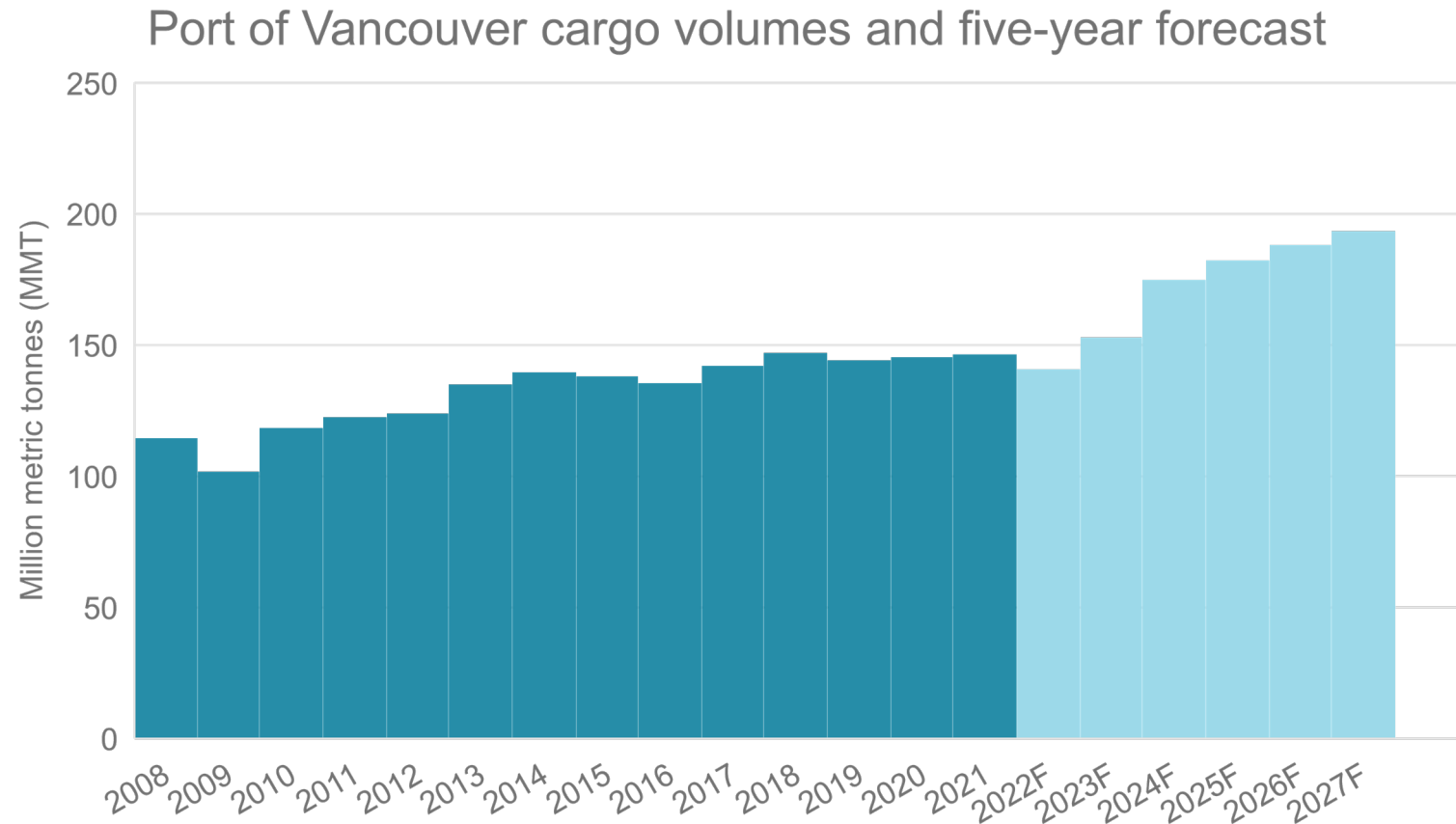


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# Vancouver Fraser Port Authority Enables Canada's Trade



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# Strengthening Road and Rail Gateway Infrastructure

An aerial photograph of a city landscape. In the foreground, a long freight train with orange and black 'Canada' branded railcars travels along a track that runs parallel to a highway. The highway has several vehicles, including a white truck and a blue car. To the right of the highway are industrial buildings and parking lots. In the background, a dense urban area with various buildings and trees is visible. A semi-transparent white box is overlaid on the left side of the image, containing text.

Road and rail  
projects that  
support trade  
and  
communities

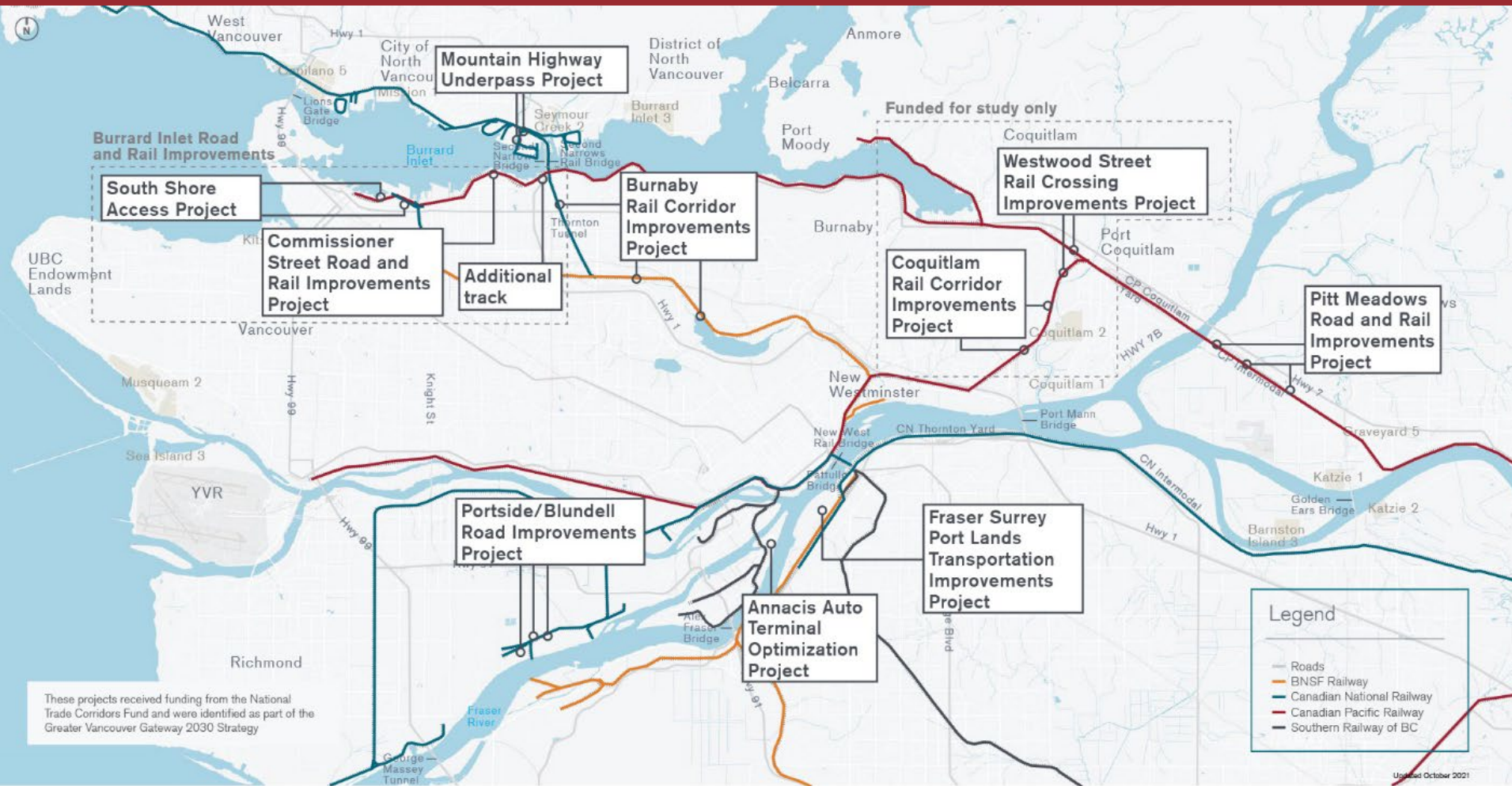


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# Port Authority-Led Gateway Projects



# Building Container Terminal Capacity



## Container Terminal Capacity

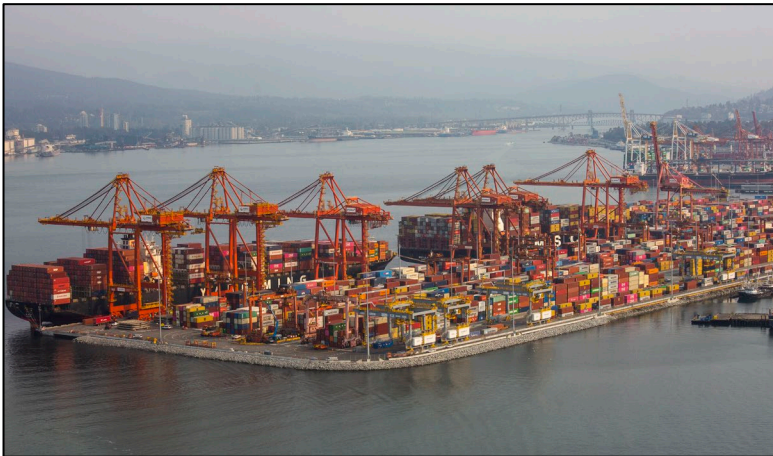


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# Port Authority-Led Container Terminal Projects

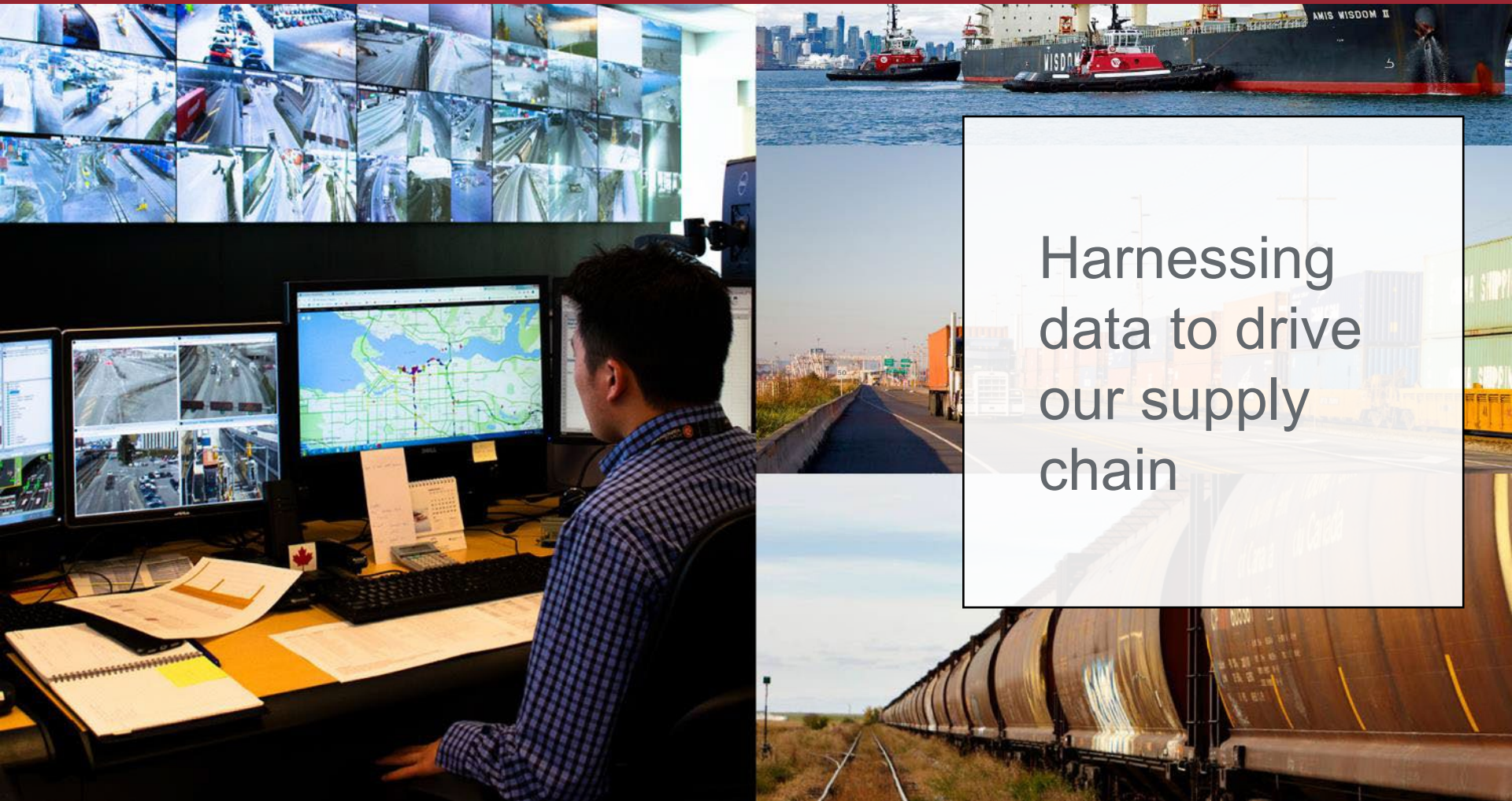


Centerm Expansion Project



Roberts Bank Terminal 2

# Streamlining Supply Chain Efficiency



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# Supply Chain Optimization Initiatives





# Advocating for Industrial Land Designations

Calling for  
solutions to  
the region's  
industrial land  
crisis



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## Second Sustainability Pillar: Maintaining a Healthy Environment




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# 2050: Port-Related Emissions Phase-Out

An aerial photograph of the Port of Vancouver, showing a large container yard with many orange cranes and stacks of colorful shipping containers. The port is situated along a blue body of water, with a city skyline and green hills in the background. A semi-transparent white box is overlaid on the left side of the image, containing text.

Collaboration  
with port  
stakeholders  
to manage  
emissions



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# Strathcona Air Quality Study



The Strathcona Area Air Quality Study is a two-year study (Spring 2022 – Spring 2024) that will measure and assess air quality in Strathcona and identify potential opportunities for improvement.

## Study Scope and Objectives

- Increase awareness and knowledge of local air quality
- Identify appropriate locations for air quality monitors based on community input and the advice of technical experts
- Identify, characterize, and assess the impact of air pollution sources, particularly those associated with port activities and terminal expansion
- Identify potential opportunities to improve air quality

## What Pollutants Will be Measured:

- Nitrogen dioxide (NO<sub>2</sub>)
- Sulphur oxides (SO<sub>2</sub>)
- Particulate matter (PM)

# Enhancing Cetacean Habitat and Observation (ECHO) Program

ECHO Program  
advances world-  
leading research and  
initiatives to protect  
endangered whales



# Enhancing Cetacean Habitat and Observation (ECHO) Program

## About the ECHO Program



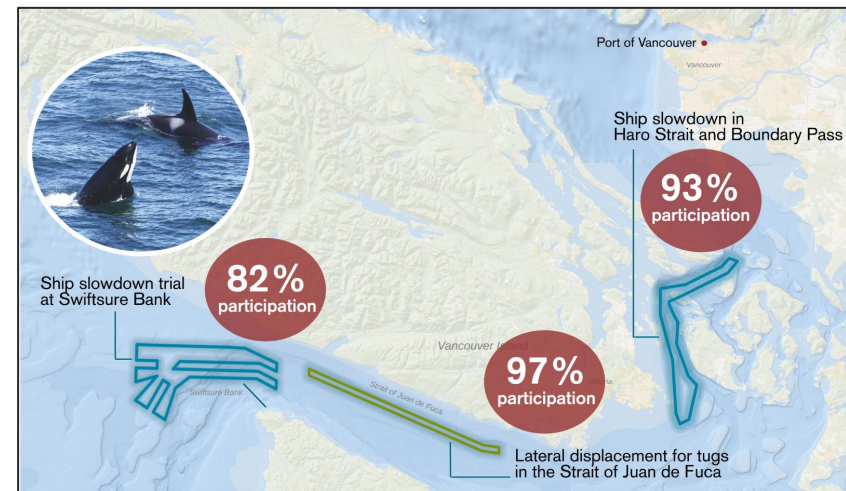
A first-of-its-kind program to better understand and **reduce the impacts of commercial shipping on at-risk whales.**

Focus areas:

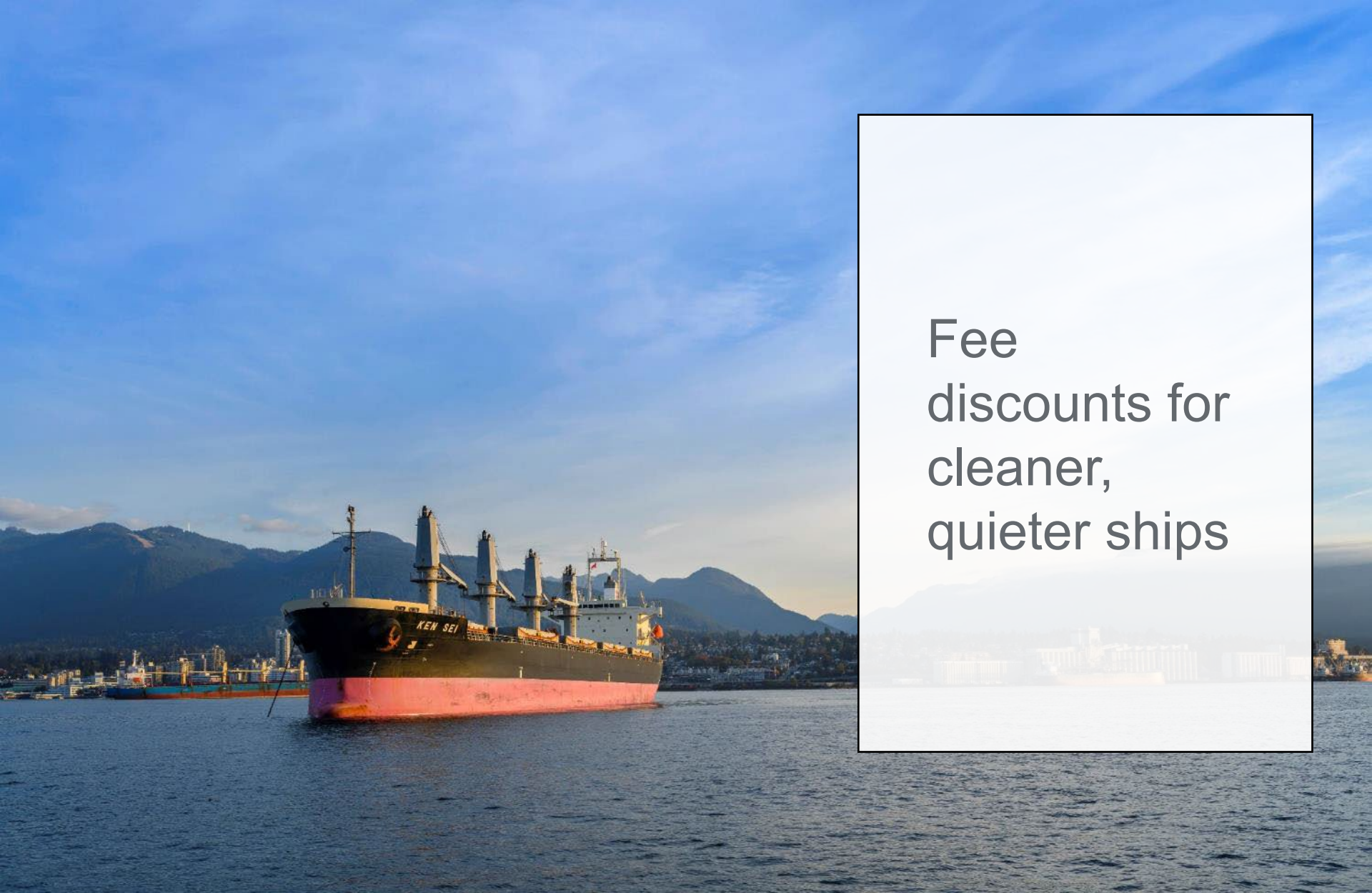
- Facilitate **regional collaboration**
- Advance **research & education** projects
- Implement **threat reduction measures**

We collaborate with (Canada and international):

- Marine transportation industry
- Canadian and US government
- Indigenous representatives
- Environmental organizations
- Acousticians and bio acousticians
- Naval architects and engineers
- 2nd United Nations' Oceans Conference\*
  - \*Featured Program



**Over 5,700 vessel transits** slowed down or stayed distanced while travelling through key areas for southern resident killer whales between June and October 2022.



Fee  
discounts for  
cleaner,  
quieter ships







Habitat to  
offset the  
effects of port  
development

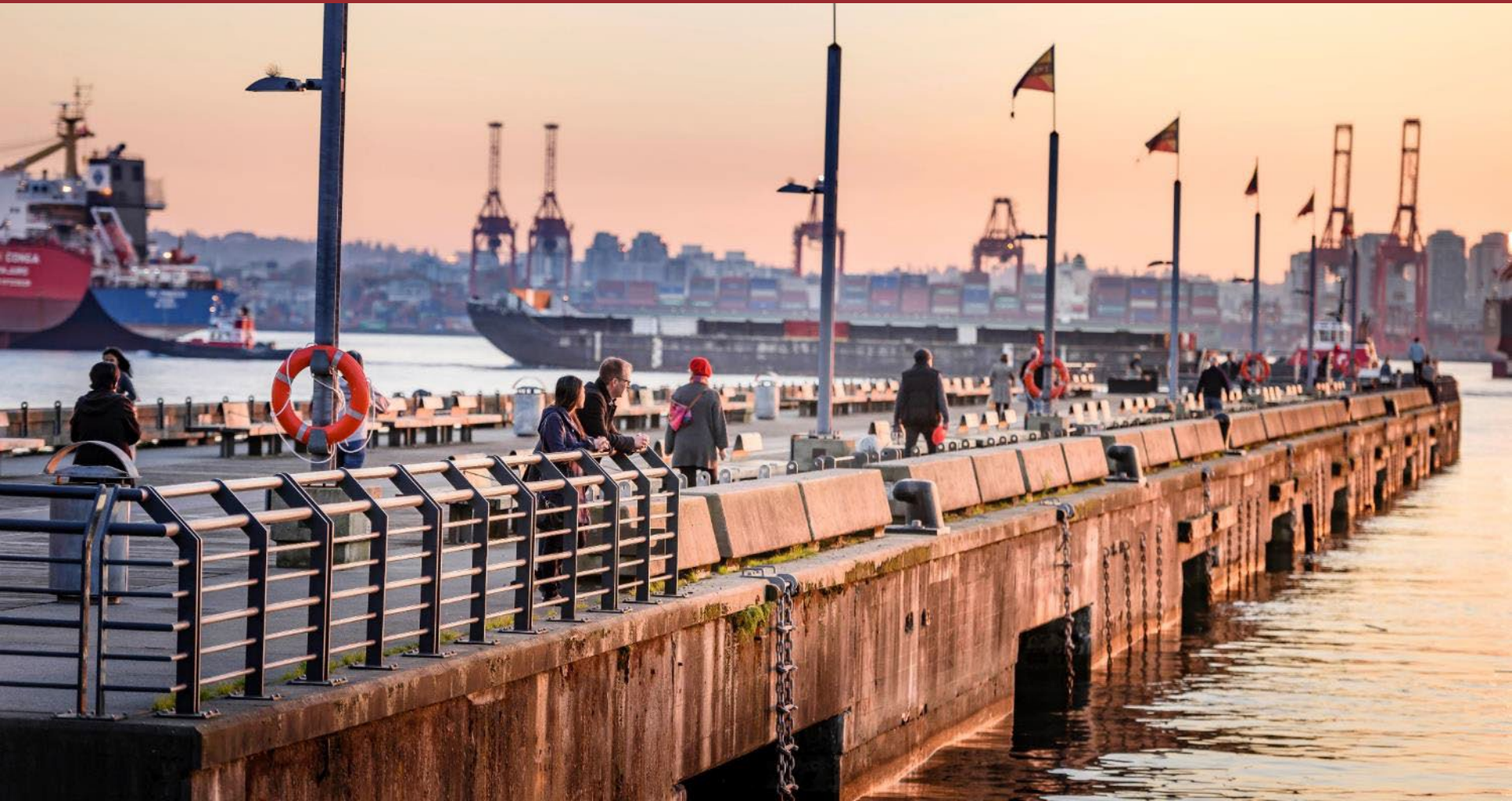


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# Third Sustainability Pillar: Enabling Thriving Communities

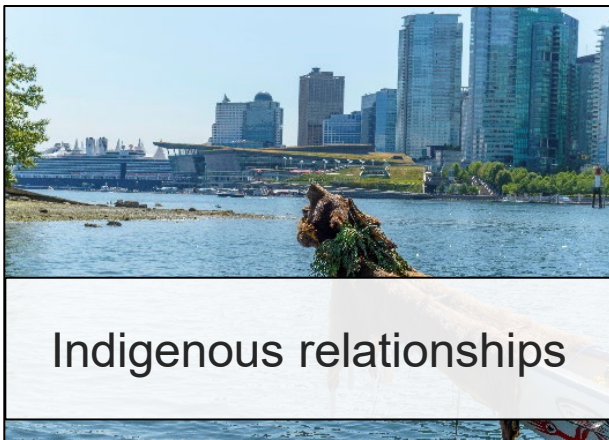


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# Working to Enable Thriving Local Communities



# Thank you

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