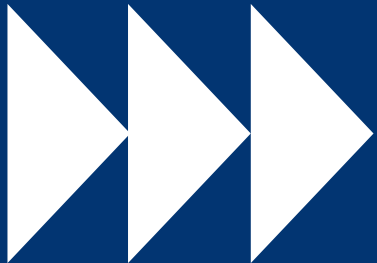


ANCHORED IN A SUSTAINABLE FUTURE



Summary Report of Achievements
in Sustainable Development 2021





TABLE OF CONTENTS

- 2** Message from the President and Chief Executive Officer
- 3** Sustainable development policy statement
- 4** Our approach
- 6** Environmental pillar
- 8** Social pillar
- 10** Economic pillar
- 11** Next steps
- 12** Achievements by our partners

MESSAGE FROM THE PRESIDENT AND CHIEF EXECUTIVE OFFICER

We take pride in presenting this Summary Report of Achievements in Sustainable Development 2021. It not only shows how determined we are to reaffirm the values of the Port of Montreal that have been anchored in sustainable development for several decades now, but also to mark a decisive turning point in our response to the urgency of the energy transition.

In a global context defined by the climate emergency, the Port of Montreal is duty bound to play a key role in the collective mobilization to build a greener world. Knowing that 80% of the products around us are shipped, and as a pillar of economic activity in Eastern Canada, we must show leadership and innovation in this transition.

We pledged to decarbonize our operations by 2050 by joining the Call to Action for Shipping Decarbonization. We are building the infrastructure to accommodate new generations of ships, such as our shore power connections that make it possible to avoid emitting 2,600 tonnes of GHGs annually. We are creating partnerships to develop, promote and market the fuels of tomorrow, such as green hydrogen and methanol. We are also developing spaces that will benefit future generations, such as our Grand Quay, which, when its ambitious makeover is complete, will become an architectural jewel and urban touchstone for Montrealers.

These achievements unfold in the heart of the city, where we are striving to ensure respectful integration into the urban fabric and natural ecosystems alike. We are implementing a range of measures to protect biodiversity and preserve water and air quality, here and throughout the country, through our core mission to serve the public good, and we are doing this thanks to all our partners, our teams, the levels of government and the players in the supply chain who work alongside us every day.

Enjoy your reading!



Martin Imbleau

President and Chief Executive Officer
of the Montreal Port Authority

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SUSTAINABLE DEVELOPMENT POLICY STATEMENT

"The Montreal Port Authority is committed to fulfilling its mission by continuously working to maximize the economic, social and environmental benefits of its activities through effective governance.

Our commitment to take concrete and lasting sustainable development measures is set out in a policy where involvement, cooperation and accountability serve as our guiding principles.

Our priority is to reduce the environmental footprint of our activities through responsible consumption and by efficiently managing our environmental heritage.

We adopt working practices that respect the environment and use technologies that improve performance and reduce impacts.

Our objective is to assume a leadership role alongside our stakeholders and within the marine industry as a whole to secure their buy-in with

regards to sustainable development principles. We want to contribute to the conservation of our cultural heritage, promote education related to maritime careers and support socioeconomic and environmental projects in the community.

Within our organization, we want to provide a stimulating work environment based on collaboration where our employees can develop their sense of responsibility and commitment while ensuring the security and safety of our operations.

We believe that by building long-term relationships, maintaining constructive dialogue and taking concrete action in sustainable development, our port is more efficient, secure and environmentally friendly, and better integrated into the city, in harmony with communities and the environment."



OUR APPROACH

The MPA intends to continually draw on international best practices in accountability.

To guide its actions and decisions as a whole, the MPA adopted both a sustainable development policy and an environmental policy, which we invite you to check out:

- **Sustainable Development Policy**
- **Environment Policy (in French only)**

To determine its sustainable development objectives and targets and to meet the expectations of its stakeholders, the MPA also adopted a three-year sustainable development plan. Initially planned for 2016 to 2018, this plan was renewed and will continue to be used through 2022 to finish reviewing the content of the orientations, performance indicators and targets as well as the form of reporting. The next sustainable development plan will be aligned with the MPA's strategic plan 2023-2027. This five-year plan will draw on the comments received from our stakeholders during the extensive participatory process on the theme «Anchored in the Future: Port 2030» which is set to be deployed in 2022, as well as a survey that will serve to develop a relevance matrix to prioritize the sustainable development issues.

Main orientations of the current plan:

- 1 Improve air and water quality
- 2 Enhance the MPA's service offer
- 3 Ensure the responsible management of MPA infrastructures and resources
- 4 Offer a mobilizing and safe working environment
- 5 Forge harmonious relationships with our stakeholders
- 6 Foster probity, ethics and integrity in the organization
- 7 Protect biodiversity





2050

Year set to achieve carbon neutral operations at the Port of Montreal, with foresight from joining the Call to Action for Shipping Decarbonization and working closely with Montreal Climate Partnership.

43

electrical connections for wintering vessels and cruise ships, used 25 times in 2021 for a reduction in GHG emissions of 2,600 tonnes (CO₂ eq.).



3082

tonnes of GHG emissions (CO₂eq.) from activities related to the MPA's operations in 2021.

33%

drop in total GHG emissions since 2007, down 6% in terms of intensity per tonne handled since 2016 and 47% since the 2007 baseline year.

1,200

artificial nesting boxes installed in Contrecoeur for bank swallows, with the 2021 inventory finding nearly 900 burrows used, for an occupancy rate of 75% and about 700 chicks.

31

hydrodynamic separators installed on Port of Montreal territory (including 3 new in 2021) to reduce discharges of suspended matter and hydrocarbons into the river.

200

hectares on the Boucherville Islands administered by the MPA in the process of being designated a National Wildlife Area.

ENVIRONMENTAL PILLAR

173,000

tonnes of soil reused by creating planted embankments to act as visual and sound barriers in the Viau sector, avoiding the traffic of 5,800 trucks to transport the soil to a landfill site and the emission of nearly 1,000 tonnes of GHGs.



1,236

trees planted around Port facilities towards the goal of 2,000 in 5 years.

4th

year of partnership with the St. Lawrence Action Fund and its Marine Biodiversity Program, which focuses on projects to preserve, enhance, restore and raise awareness of the St. Lawrence River, among which the MPA supported protecting bird habitats and preserving wetlands and shoreline areas through the priority intervention zone (ZIP) program's Des Seigneuries ZIP Committee and the Jacques-Cartier ZIP Committee.

3

bat condominiums in the vicinity of its Contrecoeur expansion site to meet the resting and breeding needs of six at-risk species likely to present on MPA territory.



58

community organizations supported through our community investment policy, prioritizing socio-economic development, education related to maritime careers and the environment.

53,779

visits logged at the drop-in centre for people experiencing homelessness set up at the Grand Quay, where hot meals, a COVID-19 vaccination clinic, and health and outreach services were provided.

600

metre long, 8.5 metre tall landscaped embankment along Notre-Dame Street to reduce the visual and noise impacts of Port activities on the neighbouring community.

SOCIAL PILLAR

13,200

TEUs (twenty-foot equivalents units) identified by the CargO₂ai logistics tool using artificial intelligence to speed up the delivery of essential goods to those in need during the COVID-19 pandemic.

16

metre tall public work of art, *Leurs effigies* by Yann Pocreau, installed on Commencement Square at the Grand Quay in honour of three women who helped found Montreal: Jeanne Mance, Marguerite Bourgeoys and Marguerite d'Youville.

3

Active participation in round tables to address cohabitation issues in neighbourhoods bordering Port facilities.

30

More than public hearings and meetings with citizens, including a meeting on the overpass project in the Viau sector that featured a presentation of the environmental impact assessment, artistic and architectural integration and landscaping.

2,730 kg

of non-perishable food items collected during the Contrecoeur food drive.



ECONOMIC PILLAR

\$111

million invested in port infrastructure, aimed to ensure a role as an economic driver by improving its service offering, up \$5.4 million compared to 2020 investments.

Partnership with the City of Montreal

to implement a traffic management and optimization system in municipal road corridors adjacent to the Port of Montreal.

Decision in favour

of the Port of Montreal's expansion to Contrecoeur from the Minister of the Environment and Climate Change Canada.

2,034

vessels called at the Port of Montreal.

0

shipping congestion for containers.

\$2,6

billion in economic benefits as a contribution to national GDP.

82%

of the value of tenders included sustainable development components.

Port of Montreal – the only non-European representative among 46 partners invited to participate in a 5-year green innovation project led by the Port of Antwerp –

PIONEERS (PORTable Innovation Open Network for Efficiency and Emissions Reduction Solutions).

6th

edition of the Smart Port Challenge to students at Montreal's public

engineering school ÉTS on modelling a truck entry complex for the new Contrecoeur terminal that optimizes the flow of truck traffic.



NEXT STEPS

In the interests of continuous improvement, the MPA is already working out the next steps in its sustainable development process.

Over the course of 2022, the MPA will have the opportunity to:

- Pursue its projects and initiatives to decarbonize its activities faster
- Launch a wide-ranging participatory process entitled Anchored in the Future: Port 2030, in which the public and various stakeholders will be asked to express their views on the economy, the environment, society and innovation
- Review the sustainable development policy, develop a 2023–2027 sustainable development plan and adopt a reporting system based on an internationally recognized standard
- Finalize the implementation of an energy policy based on the ISO-50001 standard and the 11 recommendations of the Task Force on Climate-related Financial Disclosures (TCFD)
- Join the United Nations Global Compact
- Implement an AI-based port logistics optimization tool to further synchronize all supply chain components
- Review the Community Investment Policy and raise its impact and visibility
- Institute a corporate commitment to Aboriginal relations



ACHIEVEMENTS BY OUR PARTNERS

The MPA is proud to share its values rooted in sustainable development with its partners. Here is a sample of their great achievements in 2021:

Agreements with about **100 partners** in the tourism market
- **AML Cruises AML**

Circular economy:
15 tonnes of production waste diverted annually from landfill
- **Canada Maltage**

\$40,000 on loading equipment that reduces airborne dust and
\$300,000 on an unloading shaft that increases loading speed
by 300% - **CanEst Transit**

Implementation of a **management system to identify
preventive actions** before environmental incidents can happen
- **Logistec**

2 new post-Panamax electric **gantry cranes** - **MGTP**



ACHIEVEMENTS BY OUR PARTNERS

Use of **drones** to increase the efficiency of spill responses
– **Norcan Oil Group**

First Canadian shipping company
to join the United Nations Global Compact – **QSL Empire**

Waterproofing dock caissons
in Section 103 to prevent potential oil spills – **Shell Canada**

Pilot project to lower the melting point of ice
on terminals using an additive made from sugar beet concentrate – **Termont**

75% of vessel waste collected and recycled (+/- 26,500 kg)
– **Urgence Marine**

Multi-phased **modernization** project on its marine towers to reduce various
environmental risks and increase energy efficiency – **Viterra**





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