

# Navigating to a sustainable world

Summary Report  
of Achievements  
in Sustainable  
Development 2020





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# Message from the President and Chief Executive Officer

In a global context defined by the COVID-19 pandemic, the year 2020 challenged us to rethink the way we work and do business. Despite the exceptional circumstances, we are proud to present this Summary Report of Achievements in Sustainable Development 2020, which covers our three pillars of sustainable development actions: environmental, social and economic. Our actions surpassed 145 achievements in 2020.

As a public utility, the Montreal Port Authority (MPA) remains focused on a core objective: to be a catalyst for economic development while leading the way in sustainable development.

To serve the businesses that depend on the Port to import the raw materials they need for their production, to obtain supplies or to export their products, we do everything possible to ensure operational continuity and impeccable quality of service, all with the utmost respect for the environment.

In a spirit of collaboration, openness and transparency, we engage with our partners, stakeholders and the community to protect the environment, conserve biodiversity and safeguard the quality of our air and water. Innovation is one of our preferred tools. We are moving towards alternative refuelling solutions, and aim to reduce GHG emissions and improve the flow of goods to increase efficiency and better serve the population.

Over the long term, we are developing our infrastructure projects with a view to sustainability, harmonious urban integration and environmental stewardship.

Of the three pillars of sustainable development, the social component took on unprecedented importance in 2020. In an especially difficult socio-economic situation, we intensified our community support, for instance by backing projects to fight poverty, food insecurity and exclusion, and by opening a space for the homeless at the Grand Quay. On a broader scale, by developing an innovative tool such as CargO<sub>2</sub>ai, which streamlines the flow of critical goods to fight the pandemic, we put innovation at the service of society. We are building tomorrow's world today... and we place sustainable development at the heart of this vision for the future!



**Martin Imbleau**

President and Chief Executive Officer  
Montreal Port Authority

**Navigating  
to a sustainable  
world**





# 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 socio-economic 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 is on course to draw on and live up to the best international reporting practices.

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 \(in French only\)](#)  
[Politique environnementale](#)

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 continued to be used until 2022.

## Here are the 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







5/5

In 2019 and 2020, the MPA earned the highest score across the board of performance indicators in the Green Marine voluntary environmental certification program.

## Contrecoeur

The Impact Assessment Agency of Canada (IAAC) issued a positive report, and in March 2021, the Minister of Environment and Climate Change Canada made a favourable decision on the Contrecoeur expansion project.

17

environmental effect evaluations were initiated or completed in 2020 for major projects, including the Viau overpass, the Bickerdike terminal redevelopment and the rail capacity expansion.

3,075

tonnes of GHGs were emitted by the MPA's own activities, a 9% decrease from 2019 and a 25% decrease from the 2007 baseline year.

MCP

The MPA joined the **Montreal Climate Partnership**, which mobilizes economic, philanthropic, institutional and community forces to accelerate the decarbonization of the city and strengthen its resilience.

# Environmental pillar

20+

electrical connections for wintering vessels allowed 26 vessels to connect 35 times and 3,200 tonnes of GHGs to be saved, fully offsetting all of the MPA's own GHG emissions.

900

tonnes of GHGs were avoided by using innovative processes during project works, such as cement-based soil reinforcement.

28

hydrodynamic separators have been installed to manage rainwater on Port territory, including the five installed in 2020.

897

trees have been planted since 2017, including 160 in 2020, on track for the goal of 2,000 trees by 2022.

700

bank swallows used the artificial nesting boxes installed in Contrecoeur, where 315 chicks were born in 2020!







# Economic pillar

## \$108 million

was invested in Port of Montreal infrastructure in 2020, up 329% from 2019.

## CargO<sub>2</sub>ai

This smart solution implemented to accelerate the delivery of containers of medical supplies became a critical initiative in the fight against the pandemic.

## Centech

The MPA renewed its corporate innovation program to develop local entrepreneurship for three years.

## Business continuity

A plan was developed and adapted to pandemic conditions. There were no COVID-19 outbreaks at the MPA.

## 100%

of the MPA's tenders had environmental conditions and 56% had at least one sustainability criterion.

## 7

policies were reviewed and approved by the Board of Directors.





In collaboration with the Centre-Sud-de-l'île-de-Montréal CIUSSS, the City of Montreal and Accueil Bonneau, the MPA set up a drop-in centre for people facing homelessness.

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# Social pillar

## Concivivi Seal

The MPA instituted a charter to improve the balance between its employees' work life, personal life and family life, including measures to foster work from home, flexible work schedules, the option of extra vacation days, and a telemedicine service available free of charge.

## COVID-19

The MPA helped the Verdun Hospital set up a COVID-19 tent by letting it use the doors of its second cruise terminal.

## Virtual activities

MPA employees were offered several initiatives break the solitude and maintain a sense of belonging: a sports challenge, cooking classes, a Christmas show and workout sessions.

**92%**

of employees were fully or partially engaged, according to an in-house survey.

**60**

organizations and events were supported under the Community Investment Policy. For example, the MPA donated an industrial oven to the Cap Saint-Barnabé (Hochelaga) community organization to help them provide food assistance to vulnerable populations.

**11**

occupational health and safety training sessions were given online, covering: safety on railway tracks, hazardous goods, WHMIS, first aid and CPR, working in confined spaces, working at elevated heights, working in the presence of electricity, and more.

# Next steps

To ensure continuous improvement, the MPA is already considering the next steps in its sustainable development approach.

To improve its energy balance, in 2021 the MPA will begin to implement an energy policy based on the ISO-50001 standard. It will also start the process of complying with the eleven recommendations of the Task force on Climate-related Financial Disclosures (TCFD). The MPA's interest in adopting the TCFD recommendations is specifically aimed at having the tools in place to fully grasp the risks and opportunities related to climate change, and to evaluate and manage them effectively. This information will make it possible for the Executive Committee and the Board of Directors to stay well informed and to make the best decisions.



In 2022, the MPA will conduct a survey of its in-house and external stakeholders to update the relevance matrix of key sustainability issues for the organization. This new relevance matrix will serve as the basis for the 2023 to 2025 three-year plan.



# Laudable achievements by our partners

The MPA is gratified to be the hub of a diverse ecosystem of businesses that also stand out for their sustainable development initiatives. Here are their main achievements:

**AML Cruises** turned its attention to reducing fresh water consumption throughout its fleet, including the AML Cavalier Maxim docked in the Port of Montreal. The changes made to the AML Cavalier Maxim's system resulted in a 75% annual reduction in fresh water usage.

**Canada Maltage** installed a variable speed drive on a dust collector in the grain elevator, which in 2020 accounted for an annual savings of 333,000 kWh.

**CanEst Transit** made paving changes to the main receiving dock for agricultural products, reducing airborne dust emissions during truck unloading.

**Empire** began construction of a new building to house administrative offices, dockworkers and maintenance garages, as well as a laundry room equipped with a water treatment system. When completed in 2021, this building will have a green roof and an electric ventilation system for energy recovery.

**Logistec** used BOX-19. This disposal solution makes it possible to safely and ecologically dispose of masks, gloves and other single-use antiviral equipment, eliminating any risk associated with objects potentially contaminated by COVID-19. This waste is incinerated in compliance with the highest industry standards to generate steam and electricity that is then recovered and reused.



# Laudable achievements by our partners



**Maritime Employers Association** used simulators during 2,160 hours of training, avoiding the use of diesel-powered machines at the terminals.

**Montreal Gateway Terminals Partnership** finished installing 10 electric gantry cranes. qui sont ensuite récupérées et réutilisées.

**Norcan Oil Group** recovered fuel vapours when filling tank trucks at its loading docks. The annual volume recovered by the vapour recovery unit exceeds 300,000 litres of fuel. An independent expert assessment of this facility's efficiency found a recovery rate of over 99.5% and emissions of less than 1 mg/l, compared to the standard 35 mg/l.

**Suncor (Montreal-East Terminal)** installed an odour control system connected to the exhaust vents of the asphalt storage tanks, and replaced the thermal oil in the tank heating system as a whole to increase system performance and reduce natural gas consumption and, in turn, GHG emissions.

**Suncor Energy** completely refurbished its runoff recovery tank by adding overflow protection alarms, paving and improving the drainage slopes, and adding sumps for runoff recovery.



# Laudable achievements by our partners



**Termont** completed the installation of stop-start systems developed by the Quebec firm Effenco, making it possible to reduce the emissions of its tractor fleet by 720 tonnes of CO<sub>2</sub>e annually.

**Urgence Marine** saw its waste management program generate a 150% increase in the volume of organic materials recovered and recycled compared to 2019.

**Valero** focused on improving its environmental performance under the Green Marine program.

**Vopak** reworked the configuration of its tank farm for the import and export of biofuels in keeping with the company's philosophy of energy transition to the clean fuels of the future.

**Yara Canada** continued its study on surface water treatment at the Contrecoeur Terminal to develop and, in 2021, install a water treatment system.





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