

ABOUT THE PORT OF TROIS-RIVIÈRES

As part of the 18 Canadian Port Authorities and active since 1882, the Port of Trois-Rivières is an important player in regional, national and international economic development for major industrial sectors such as the aluminum industry, forestry and agri-food. The respect of the highest environmental standards and harmony with the community are essential for the Port of Trois-Rivières.

Strategically located halfway between Montreal and Quebec City, the Port of Trois-Rivières welcomes 55,000 trucks, 11,000 railcars and more than 250 merchant and cruise ships annually originating from over 100 different ports in more than 40 countries around the world. It handles over 3.5 million metric tonnes of traffic, has an annual economic impact of nearly \$220 million and supports more than 2,000 direct, indirect and induced jobs.



MISSION

The Trois-Rivières Port Authority (TRPA) mission is to meet the objectives of the *Canada Marine Act* through sound management of public infrastructures under its responsibility, by fostering commercial activities and regional and national development. This involves:

- Restoring, maintaining and developing the marine infrastructures needed to promote and safeguard Canada's competitiveness and trade objectives.
- Setting up an intermodal transportation system that meets users' needs at a reasonable cost, and providing a high level of safety and environmental protection.
- Providingeffectivesupportfortheachievement of social and economic objectives at the local, regional and national levels by fostering commercial activities.

INTRODUCTION

The Port of Trois-Rivières' sustainable development approach is at the heart of the efforts undertaken for several years to ensure a harmonious and coherent development with its neighbourhood.

The Sustainable Development Strategy 2018-2020 presents how the TRPA integrates sustainable development values into its projects and introduces an action plan developed with concrete objectives to be achieved in the coming years.

But what exactly do we mean by sustainable development? The Brundtland Report states that sustainable development is "a mode of development that meets the needs of present generations without compromising the ability of future generations to meet their own needs". It is about raising the standard of living by protecting human health, preserving the environment and using resources wisely. Sustainable development requires a balance between environmental, economic and social dimensions.

IMPLEMENTATION OF SUSTAINABLE DEVELOPMENT

The TRPA applies several principles to incorporate the three dimensions of sustainable development into all actions and interventions at the Port. Here are some examples of integrating the principle of sustainable development:

- Transparency of the Port's activities;
- Financial autonomy to ensure the infrastructure sustainability;
- Optimal utilization of facilities to support exporters and importers and maximize economic benefits;
- A collaborative approach among Port users to ensure continuous improvement of environmental outcomes;
- Conducting robust and rigorous environmental assessments to minimize the environmental impacts of projects;
- Effective use of the Port's spaces to meet social and economic needs while ensuring a minimal environmental footprint;
- Quality employment to foster the development, involvement and a good quality of life for workers.

2018-2020 ACTION PLAN

The 2018-2020 action plan includes concrete actions that the TRPA intends to support by 2020. It obviously includes interventions that can be implemented over more than a single year. For each of the objectives set out in the sustainable development plan, the context, government orientations, actions, indicators, targets and timelines have been defined. This progress report presents the actions carried out in 2018.

SUMMARY OF ACTIONS CARRIED OUT IN 2018:

Pursue continuous improvement of environmental performance to ensure safe and healthy air quality.

In order to track and document air quality, dust monitors have been in operation. The results were used and even analyzed by the handlers to aim for a continuous improvement of the air quality.



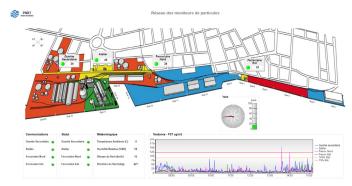
As part of its Green Alliance certification, the TRPA conducted an assessment of greenhouse gas (GHG) emissions from its vehicles in 2018. The total amount of GHGs was calculated in CO₂ equivalent

units, taking into account emissions of methane and nitrous oxides. The TRPA will therefore be able to monitor the evolution of its emissions over the years.

In order to reduce the impacts of emissions, facilitate visual integration and enhance its territory, the TRPA has enhanced the natural elements by planting 21 mature trees including maple (*Acer plantanoides*) and New Horizon elm (*Ulmus japonica pumila*), creating green interfaces between the port area and the urban community.



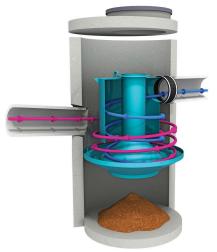
Dust monitor in operation



Ongoing results

Pursue the continuous improvement of its environmental preformance through better management and improvement of surface water treatment equipment.

A new hydrodynamic vortex screening system was installed at terminal 20. It provides primary rainwater treatment throughout this terminal by reducing suspended solids and removing floating debris and oil from stormwater.







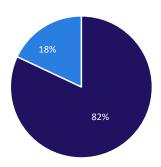
Provide a stimulating and safe environment for Port employees and users.

Through prevention, the objective is to reduce the risk of accidents, disasters, environmental or human emergencies or incidents. However, when an incident occurs, the consequences must be mitigated by timely and adequate response measures. The TRPA revised and reissued its Emergency Response Plan (ERP) in 2018 to more effectively alert and mobilize the various stakeholders in an emergency.

The TRPA also aims to raise awareness, educate and promote a culture of prevention at the Port. It should be noted that an awareness campaign on the speed of vehicles carried out in June.



Promote eco-friendly and environmentally friendly consumption and reduce waste.



The TRPA is proud to report an 82% reduction in paper use in current operations in 2018 compared to 2015.

In order to reduce the use of water bottles, TRPA employees have access to reusable dishes, as well as a

filtered and refrigerated water dispenser, directly fed by the City of Trois-Rivières' municipal network.

To facilitate recycling, several dedicated recycling bins have been added, including in the Council Room, the Dining Room and the Coffee Service Point. In addition, a bimonthly collection is now done by Récupération Mauricie at the main gate of the Port of Trois-Rivières.

With the installation of a five-module LED lamp post on terminal 20, special attention was paid to reducing the effects of light pollution. The orientation of the lights is carefully directed to the terminals in order to reduce the abnormal or disturbing night-time presence of light. This work is done to reduce the impact of artificial night lighting on wildlife, flora and the population living near the Port.



Promoting the principles of sustainable development by example.





In February 2018, the Trois-Rivières Port Authority obtained the sustainable development certification from the Fondation Trois-Rivières pour un développement durable. This certification program makes it possible to publicly recognize the organizations and companies that integrate the practices inherent in this fundamental principle of development into their day-to-day operations.

On the picture: Claudie Gagnon, Director Operations, logistics and sustainable development and Diane Beaulieu, Project manager at the Foundation

Acquire and develop modern infrastructure and reduce energy costs.



The TRPA has undertaken and maintained its efforts to continuously increase the energy balance of its infrastructure, both at the administrative building and the port facilities. Improvements in 2018 include the installation of six LED domestic lighting systems at the administrative building and the addition of a programmable thermostat in the cafeteria of the same building.

On terminal 20, the new five-module LED lamp can significantly reduce energy and maintenance costs.

Respectfully contribute to the environmental, social and economic dimensions of sustainable development by supporting the Port and urban communities.

The Port of Trois-Rivières is an integral part of Trois-Rivières life. Located near the city centre, the TRPA has at heart a harmonious integration with the environment that surrounds it. In addition to numerous environmental initiatives, in 2018, the Port contributed to regional social and economic development by supporting more than 40 organizations. Added to these are maritime organizations, ensuring a national and international presence of the Port of Trois-Rivières.

A new development plan entitled On Course for 2030 has recently been unveiled. Based on the principles of sustainable development, On Course for 2030 focuses on the vision: "To be an innovative urban port, growth generator, at the heart of a competitive logistics chain".





