

SUSTAINABLE DEVELOPMENT STRATEGY

Follow-up on the sustainable
development action plan

2019 Summary



PORT
TROIS-RIVIÈRES



TO BE AN INNOVATIVE URBAN PORT, GENERATING GROWTH, AT THE HEART OF A COMPETITIVE SUPPLY CHAIN

As part of the 17 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 4 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.
- Providing effective support for the achievement of social and economic objectives at the local, regional and national levels by fostering commercial activities.

INTRODUCTION

The sustainable development of the Port of Trois-Rivières is an approach at the core of the efforts undertaken over the past few years by the Port to ensure harmonious and coherent development with its neighbourhood.

The 2018-2020 Sustainable Development Strategy describes how the TRPA integrates sustainable development values into its projects and introduces an action plan developed with tangible objectives to be implemented over the coming years.

But what exactly does sustainable development mean? The Brundtland Report describes sustainable development as follows: "development that meets the needs of the present without compromising the ability of future generations to meet their own needs"¹. The purpose is to raise living standards by protecting human health, preserving the environment and using resources in a wise manner. Sustainable development requires a balance between the environmental, economic and social dimensions.

IMPLEMENTING 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 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.

1. Brundtland Report, 1987



2018-2020 ACTION PLAN

The 2018-2020 action plan includes tangible actions that the TRPA wishes to support between now and 2020. It obviously includes actions that can be implemented over more than a year. For each of the objectives set out in the sustainable development plan, the context, government directions, actions, indicators, targets and timelines have been defined. This progress report presents the actions carried out in 2019.



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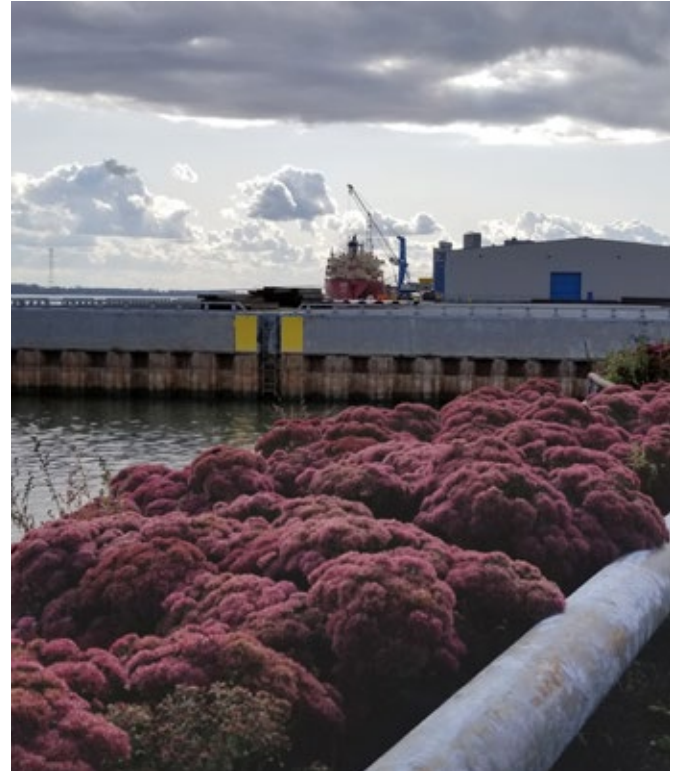
PURSuing CONTINUOUS IMPROVEMENT OF ENVIRONMENTAL PERFORMANCE TO ENSURE CLEAN AND SAFE AIR QUALITY

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 air quality.

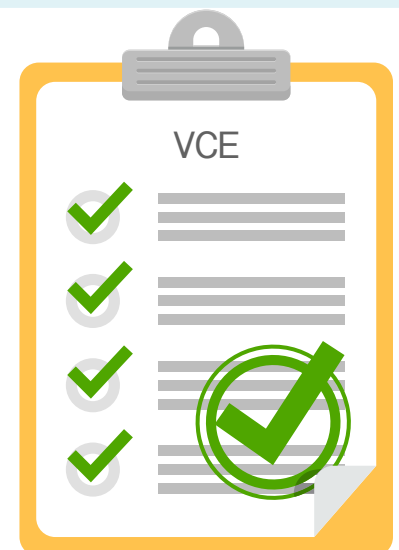
As part of its Green Alliance certification, the TRPA conducted an assessment of greenhouse gas (GHG) emissions from its vehicles in 2019. The total amount of GHGs was calculated in CO₂ equivalent units, taking into account emissions of methane and nitrous oxides. The TRPA will therefore be able to monitor the evolution of its emissions over the years.



In addition, the TRPA wishes to reduce the impacts of emissions by enhancing natural elements, facilitating visual integration and promoting its territory. With this objective in mind, the TRPA has planted part of the crown of Pier 7 in 2019. This development, composed of rosebushes, sedums and honeysuckles, allows for the integration of plants strategically positioned on the port territory to create green interfaces with the urban community.

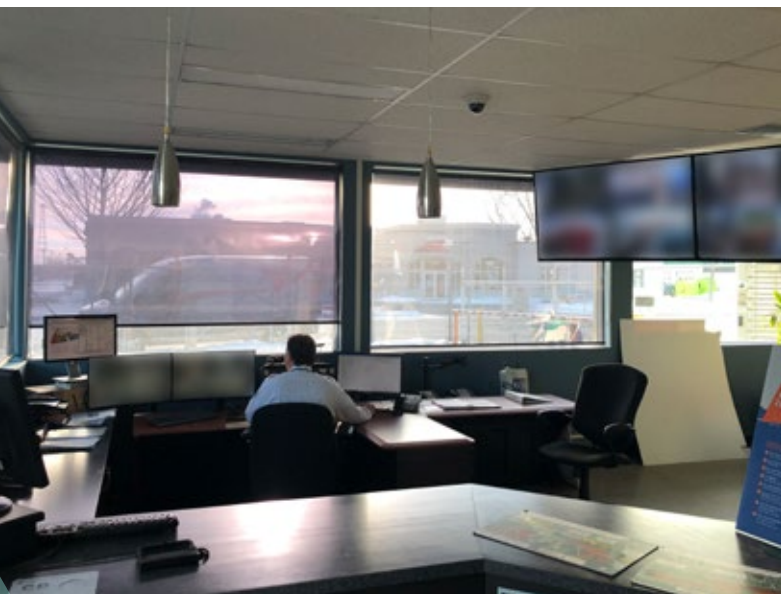


In September 2018, the TRPA updated its Environmental Management Policy. The main purpose of this update was to implement environmental compliance audits (ECAs) at the Port in order to ensure the quality of the follow-ups that will lead to regulatory compliance within the Port's territory. In accordance with this new policy, the TRPA has requested and received the ECA reports from its handlers regarding their operations at the Port in 2019. The ECAs were led by certified environmental auditors from the Association québécoise de vérification environnementale, ensuring the presence of a professional with the qualities and relevant experience to provide effective leadership and management of the environmental audit process.



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ENSURING 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. The TRPA is proudly committed to marine security. The *Marine Facility Security Plan - Cruise and Miscellaneous Wharves* was revised and reissued in 2019. It must be kept in mind that a major security event such as an individual intruding into a restricted area, a terrorist act or even a bomb threat can occur and this plan allows the TRPA to be prepared to respond effectively to these threats.

The TRPA also wishes to raise awareness, educate and promote a culture of prevention at the Port. Accordingly, a vehicle speed awareness campaign was conducted during the summer of 2019.



PROMOTING ECO-RESPONSIBLE AND ENVIRONMENT-FRIENDLY CONSUMPTION AND WASTE REDUCTION



The TRPA is proud to report an 80+% reduction in paper use in current operations since 2015.



In order to reduce the use of single-use water bottles, TRPA employees have access to a filtered and refrigerated water dispenser, directly fed by the City of Trois-Rivières' municipal network.

To facilitate recycling, two 360 L roll-out recycling bins have been added, one in the administrative office and one in the longshoremen's room. These new bins are collected bi-monthly by Récupération Mauricie.



With the installation of a five-module LED lamp post on terminal 19, 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.

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PROMOTING THE PRINCIPLES OF SUSTAINABLE DEVELOPMENT THROUGH EXAMPLE

Ms. Claudie Gagnon, Director of Sustainable Development and Innovation, acted as Honorary President of the Fondation Trois-Rivières Durable's 2019 benefit dinner. This association first enabled the TRPA to promote its sustainable development values. The event also mobilized several Port stakeholders and users to raise their awareness of the importance of promoting and adhering to the principles of sustainable development.

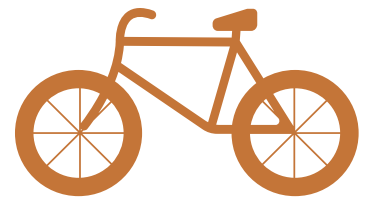


Last February, the Port launched two investment funds for innovation and the environment. For the next five years, \$2.5 million, or \$250,000 per Fund per year, are available to port facility users and clients. Through this initiative, the Port supports its partners so they may carry out and even anticipate the realization of projects which will ultimately make the Port more competitive and improve its environmental performance, in addition to stimulating regional economic activity.



In February 2019, the TRPA became a partner in Call2Recycle Canada®, the country's leading battery recycling and management program. By joining this program, the TRPA plays a proactive role in preserving our environment. In addition to collecting batteries, Call2Recycle Canada® creates a circular economy by ensuring their use in a second product. The program's battery recycling process aims to recover as many components as possible to make new products.

Our employees have personally adhered to the principles of sustainable development and have taken action to reduce, reuse, recycle and recover. André and Jacques walk to work while Luc takes public transit or rides his bike.



Sara owns a fully energy efficient house, Liliane's lighting is all LED and Valerie has refurbished an old office desk into a home for her cat. Claudie recovered demolition materials to rebuild a shed without any new purchases.



Francis is educating his 6-year-old son about the products accepted in the home recycling bin. Geneviève, Charles and Jimmy use reusable and durable food bags and cooking paper, they purchase all bulk products where possible. Carole, David and Gaétan's families have eliminated disposable plastic water bottles. Mylène is taking it one step further by eliminating all plastic bottles and cans used for her food! Sylvain has been composting at home since the summer of 2019.



We are therefore very proud to highlight our team's personal commitment!

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CONTRIBUTING RESPECTFULLY TO THE ENVIRONMENTAL, SOCIAL AND ECONOMIC DIMENSIONS OF SUSTAINABLE DEVELOPMENT BY SUPPORTING PORT AND URBAN COMMUNITIES

The Port of Trois-Rivières has been an integral part of Trois-Rivières' community for 138 years now. Located near downtown, the TRPA is committed to harmonious integration with the surrounding environment. In addition to its many environmental initiatives, in 2019 the Port contributed to regional social and economic development by supporting 70 organizations, some of which include maritime organizations, thus ensuring the Port of Trois-Rivières' national and international presence.

As an urban Port, the population was invited in September 2019 to participate in a public open house. Despite the rainy weather, almost 1,000 people took part in the various activities and attractions. The public was able to take advantage of one of the fifty bus tours to visit the port facilities, in addition to meeting the Port's partners who were on hand to provide information about their organization and answer questions. This open house was without a doubt a unique opportunity to discover the Port and to promote the dynamic port community present in Trois-Rivières.



ACQUIRING MODERN INFRASTRUCTURE AND REDUCING ENERGY COSTS

The TRPA has undertaken and maintained its efforts to continually improve the energy performance of its infrastructures. Improvements for 2019 include the installation of a new five-module LED street light at Pier 19, which will significantly reduce energy and maintenance costs.

In addition, when renewing its outdoor signs, the TRPA made sure that LEDs were used exclusively, in addition to upgrading the detectors, which guarantee lighting only in periods of twilight and darkness.



CONCLUSION

By implementing these actions, the TRPA ensures that all of its activities are carried out in a spirit of sustainable development that supports continuous improvement. These are concrete actions that the Port, with the help of its community, has carried out in order to create a sustainable economy, protect the environment and improve the well-being of citizens, workers and users.



PORT
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