

PHARMASCIENCE HAS IMPLEMENTED A COMPREHENSIVE SET OF ENVIRONMENTAL INITIATIVES DESIGNED TO REDUCE ITS ECOLOGICAL FOOTPRINT, STRENGTHEN OPERATIONAL EFFICIENCY, AND ALIGN WITH INTERNATIONAL ESG (ENVIRONMENTAL, SOCIAL, GOVERNANCE) EXPECTATIONS.

The purpose of this note is to provide a consolidated, factual overview of:

- measurable environmental impacts,
- risk-mitigation practices,
- compliance structures,
- and key sustainability performance drivers across the organization.

ENVIRONMENTAL GOVERNANCE AND COMPLIANCE

1) Regulatory Compliance and Environmental Risk Management

Pharmascience has conducted full environmental site characterization studies on its properties to assess soil quality and verify the presence or absence of contaminated materials. These assessments ensure compliance with federal and provincial environmental standards and help prevent future environmental liabilities.

2) Management of Hazardous Substances

Pharmascience has implemented several measures to reduce pollution risk:

- *Installation of CatOx technology, achieving approximately 95% reduction in volatile organic compounds (VOCs) in production facilities.*
- *Establishment of strict recycling programs for electronic devices, IT equipment, and batteries, reducing environmental and health risks associated with heavy metals and toxic components.*

These actions strengthen compliance and mitigate operational risks related to hazardous waste.

CARBON FOOTPRINT REDUCTION AND ENERGY OPTIMIZATION

1) Energy Efficiency Measures

Pharmascience has deployed multiple initiatives to improve energy performance:

- *Installation of 900 LED lights, reducing lighting-related carbon emissions by 60%.*
- *Systematic integration of smart lighting control systems in renovation and expansion projects.*
- *Heat-recovery systems using industrial boiler output to heat office areas, decreasing reliance on external energy sources.*

2) Local Production and Clean Energy

- *50% of Pharmascience products are manufactured locally in Quebec, relying primarily on clean hydroelectricity.*
- *As a result, operations are 11 to 16 times less polluting than competitors relying on fossil-fuel-based energy systems.*

These actions significantly reduce GHG emissions and support long-term energy resiliency.

SUSTAINABLE TRANSPORTATION AND RESPONSIBLE LOGISTICS

1) Reduction of Air Freight Dependence

Pharmascience has dramatically shifted its importation methods:

- *94% of imports now travel by cargo ship*
- *Only 6% by air freight*

This transition has lowered carbon emissions from international shipments by a factor of 4.5 per kilometer.

This improved logistical model aligns with global ESG expectations for sustainable supply chain operations.

WASTE MANAGEMENT AND PLASTIC REDUCTION

1) Reinforced Recycling Infrastructure

- Deployment of centralized recycling stations across all sites.
- Substitution of plastic packaging materials with reused newspapers for product shipping.

2) Reduction of Single-Use Plastics

- Installation of automated water-bottle filling stations, reducing reliance on disposable plastic bottles.

These initiatives help minimize landfill waste and align with emerging North American policies targeting plastic reduction.

SOCIAL ENGAGEMENT AND BIODIVERSITY CONTRIBUTIONS

1) Internal Environmental Awareness

Pharmascience regularly hosts educational conferences to promote environmentally responsible behaviors among employees.

2) Community and Environmental Impact

- Participation in the Mission 1000 Tons environmental cleanup initiative, which has removed 240 tons of waste from waterways.
- Pharmascience employees personally collected 850 pounds of waste during a dedicated cleanup day.
- Promotion of carbon-sequestration awareness: A typical Canadian tree sequesters 370–460 kg of CO₂ over 100 years, equivalent to emissions from 850 km driven by a small vehicle.

These activities demonstrate Pharmascience's commitment to environmental stewardship beyond its own operations.

PHARMASCIENCE'S ENVIRONMENTAL STRATEGY IS BUILT ON 4 CORE PILLARS:

- 1. Decarbonization and energy efficiency**
- 2. Hazardous materials governance and regulatory compliance**
- 3. Sustainable logistics and waste reduction**
- 4. Internal engagement and community environmental contribution**

Together, these actions strengthen the company's ESG profile, reduce operational and environmental risks, and enhance its leadership position in the Healthcare ecosystem