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OUR HISTORY

1752
North America’s oldest operating salt water ferry began service

1758
North America’s first naval dockyard opened

1837
North America’s first yacht squadron opened – The Royal Nova Scotia Yacht Squadron

1969
Halifax’s South End Container Terminal opened – Canada’s first common-user container terminal

1998
Port of Halifax was the first east coast North American port to welcome a post-Panamax vessel, the Regina Maersk

2005
Port of Halifax became the first port in Canada to achieve the ISO 14001 certification for Environmental Management Systems

2007
Port of Halifax became the first port in Canada to achieve an investment grade credit rating from Standard & Poor’s

2011
We joined Green Marine, a North American environmental certification program that stems from a voluntary initiative by the maritime industry to exceed regulatory requirements

2013
We received our first vessel over 7,500 TEU on July 16, the Hapag-Lloyd Berlin Express, 7,506 TEU, at Fairview Cove Container Terminal operated by Ceres-Halifax

2015
We were named as the 2015 Port of the Year by the International Seafarers’ Welfare and Assistance Network (ISWAN)

2016
We received our largest cruise vessel call at the Port of Halifax, the Royal Caribbean International Anthem of the Seas on September 1

2017
We received our first vessel over 10,000 TEU, the Zim Antwerp, 10,062 TEU, on June 29 at South End Container Terminal operated by Halterm

Containerized cargo volume through the Port of Halifax set a new port record, 559,242 TEU. This is the highest volume of containerized cargo the Port of Halifax has handled in a single year. The previous record was 550,462 TEU, set in 2005

The cruise industry in Halifax also experienced record numbers in 2017, with 173 vessel calls carrying 292,722 passengers
Our inaugural sustainability report is an achievement not only for the Port of Halifax, but also for the port community, the region, and Canada. We continuously strive to raise the bar, through our commitments to economic growth, community integration, and environmental progress. Although this is our first sustainability report, we have a longstanding reputation for driving sustainability throughout the organization. In 2005, we became the first Canadian port to achieve the voluntary ISO 14001 environmental management standard. We have been a member of the Green Marine program since 2011, participating in this program’s voluntary annual disclosure process, and we have completed an annual carbon footprint and emissions profile for our operations since 2014.

The Port of Halifax has a rich history. Over the past 250 years, we have been an economic driver for the region. Through innovation and investment in infrastructure we have expanded our cargo capacity, created high quality employment opportunities for Nova Scotians, connecting Atlantic Canada to global trade opportunities in over 150 countries. We are Canada’s Ultra Atlantic Gateway – in 2017 we received our first Ultra Vessel at the Port and set a record for annual containerized cargo. We also had a record-breaking cruise season, welcoming over 292,000 cruise guests to Halifax.

At the Port of Halifax, our value lies in our ability to maintain operations into the future. We will continue to invest in port sustainability initiatives – from clean technologies and supply chain innovation to employee programs and community development. Through collaboration with our partners and the community, we strive to develop the local economy by bringing more tourists to the region, enhancing trade-enabling investment, and investing in environmental programs and educational initiatives.

We thank you for your continued support and involvement and are excited to share this report with you. As we move forward and meet future challenges and opportunities, we will continue to evolve, progress, and innovate to build a more sustainable region.

Karen Oldfield
President & CEO
About the Port of Halifax

At the Port of Halifax, we make connections – between people, commerce and opportunity. We are responsible for the development, marketing, and management of a diverse and dynamic collection of port properties and assets that foster and promote trade and transportation. We are the deepest ice-free harbour in North America and are connected to over 150 countries. Through collaboration with strong partners and stakeholders, the port community continues to deliver excellent service. We are dedicated to building economic capacities within the region, integrating with our vibrant communities, and supporting the sustainability of our surrounding natural environment. This report addresses the activities of the Halifax Port Authority (HPA) and does not include information on the activities of our partners, tenants, stakeholders, or other community members.

Our Mission

Our mission is to lead in the development of the Port, serving as a catalyst for local, regional and national economies.

Our Vision

Our vision is to make connections happen that attract and retain cargo and cruise activity to the port, thus delivering economic benefit to the community and region.

260 Acres of federal land covered by our diverse port facilities

12,400 Jobs resulting from port operations

260+ Years of port operations and history in Halifax
OUR FACILITIES

Through enacting our long-term capital plan, we are steadily increasing the size and capabilities of our port, strategically and sustainably. The result is a world-class port with assets and facilities that meet the needs of the international cargo industry, making Halifax a port of choice for shipping lines across the globe. From our impressive cargo handling capabilities to our modern technology and impeccable security measures, the Port of Halifax has a lot to offer. Properties managed by the Halifax Port Authority include: container terminals, the Halifax Grain Elevator, cargo handling facilities, non-cargo facilities, Halifax Harbour, and the Halifax Seaport. Demand at these properties remains high.

GOVERNANCE

The Halifax Port Authority is governed by a seven-member board of directors:

- One member nominated by the Minister of Transport and appointed by the Governor in Council (Federal Director)
- One member chosen and appointed by the Province of Nova Scotia (Provincial Director)
- One member chosen and appointed by the Halifax Regional Municipality (Municipal Director)
- Four members nominated by the Minister of Transport in consultation with Port user groups and appointed by the Governor in Council (Port User Directors)

Committees (as of 2017):

1. Governance Committee
2. Audit Committee
3. Human Resources & Compensation Committee
4. Security, Environment & Safety Committee
5. Infrastructure & Gateway Strategy Committee
Economic Growth
PRODUCTIVITY AT THE PORT

The Port of Halifax is one of the deepest and largest natural ice-free harbours in the world. Our convenient location is 100 kilometres from major shipping lanes (the Great Circle Route) to North America from Europe, and the Port of Halifax is a key component of Canada’s East Coast port system. We are North America’s first inbound and last outbound port for marine transport between Europe, the Mediterranean, and Asia via the Suez Canal. As Canada’s Ultra Atlantic Gateway, we connect to more than 150 countries and generate more than $1.7 billion in economic impact from our diverse cargo and cruise business.

The Port of Halifax is a regional economic engine, generating more than 12,400 direct and indirect full-time equivalent jobs. Wages and salaries resulting from port activity exceed $500 million annually and the average wage for direct and spin-off jobs is $51,500, which is 18% higher than the provincial average.

$809 MILLION in direct contribution to Nova Scotia’s GDP in 2016

$534 MILLION in wages and salaries from port activities in 2016

12,446 JOBS from port operations + 24,571 JOBS from Nova Scotia container exporters = 37,017 JOBS or 8.3% of Nova Scotia’s workforce (2016)
2017: A RECORD YEAR FOR THE PORT

2017 was a record year for the Port of Halifax, for both cruise and cargo. We welcomed over 292,000 cruise guests on 173 vessels, making this our busiest year so far. Our cruise season typically runs from mid-April to the end of October. In 2017, we received our first Ultra container vessels over 10,000 twenty-foot equivalent units (TEU) at the Port. Our port can berth 14,000 TEU ships on a regular basis, increasing overall port productivity and diversifying our portfolio of service offerings. We also set a record for our annual containerized cargo volume of 559,242 TEU, exceeding the Port of Halifax’s previous record of 550,462 TEU set in 2005.

2017 CARGO

- 559,242 TEU in containerized throughput, up 16% year-over-year
- 371,913 metric tonnes in non-containerized tonnage
- 5,010,735 metric tonnes in total cargo tonnage through HPA facilities, up 12%

2017 CRUISE

- 173 vessel calls, up 27% year-over-year
- 292,722 cruise guests, up 23% year-over-year

How big is that?

A 20-FOOT CONTAINER CAN HOLD:
200 full-sized mattresses
48,000 bananas
50-60 refrigerators
400 flat screen TVs

Source: icontainers.com
INFRASTRUCTURE DEVELOPMENT

HPA invests in port infrastructure to meet current and future capacity needs and growth projections for the region. From 2007 to 2017 we completed approximately $250 million in capital projects. These projects significantly benefit the Halifax Regional Municipality and the Nova Scotia economy through contributions to Nova Scotia’s economic output and GDP and the creation of jobs. Projections and historical information show that in total, capital projects (including new projects, renovation, and maintenance) from 2007 to 2021 will have an economic output of $705 million, a GDP contribution of $505 million and will create around 7,680 full-time equivalent (FTE) jobs with wages and salaries of $368 million.

CARGO AND CRUISE HIGHLIGHTS 2017


- In July, Zim Integrated Shipping deployed the first Ultra Vessel over 10,000 TEUs to the Port of Halifax and Halterm International Container Terminal with the Zim Antwerp at 349 metres L.O.A., 45.6 metres beam.

- ACL completed the deployment of all five of its new G4 container and RoRo vessels to the Port of Halifax and Ceres-Halifax Terminal. 2017 also marked 50 years of continuous calling of ACL vessels at the Port of Halifax.

- The Port of Halifax welcomed over 292-thousand cruise guests during the 2017 cruise season. This year saw 292,722 guests arriving on 173 cruise vessels, making 2017 the busiest cruise year for the Port of Halifax.

- Eimskip advanced to weekly port calls in November, adding feeder sea service at the Port of Halifax and Halterm International Container terminal to Portland, Maine and the New England States.

- Halifax Port Authority launched its industry leading web-based Port Operations Center on website: www.portofhalifax.ca.

- Port of Halifax handled its highest ever throughput of containerized cargo with 560,000 TEUs. This represents 16% growth over 2016.

BUILDING OUR PORT FOR ULTRA VESSELS

Global shipping is changing, which means we need to change to keep Halifax competitive as a global port. Our immediate need is to get the right infrastructure in place to berth two Ultra Vessels simultaneously. In 2016 we kicked off a planning process to look at all the options available to take our port to the next level. We gathered input from the Port community, city stakeholders, residents, and our customers. Additionally, we worked with international port planning experts to weigh the pros and cons of the many options that were considered, and find truck traffic solutions that are aligned with our city’s planning and growth strategy. By expanding our infrastructure, we can ensure Halifax continues to be a vital link in the Canadian supply chain, facilitating global economic ties and providing access to international markets for importers and exporters.

150 COUNTRIES connect at the Port through the world’s largest shipping lines

$1.9 BILLION contribution to provincial gross output through export revenues
PLANNING FOR THE FUTURE

In 2016, we asked our stakeholders and members of the Halifax community to provide input to help us develop a plan for the future of our port. We engaged with more than 600 members of the public through an online survey, and over 75 organizations as part of the planning process. The website www.portcityhfx.ca is used as a platform to inform and update the public on infrastructure planning as well as stories from our port community and information on the port’s economic impact on the region. The site links to many other development initiatives happening in the region. By working with the port community, industry, and government stakeholders, the Halifax Port Authority is working to ensure the best plan for our city, region, and country.

600+ INDIVIDUALS from the public engaged in the planning process via an open online survey

75+ ORGANIZATIONS engaged in the Port’s master planning process via a 2-day event

TOP PRIORITIES WE HEARD INCLUDE:

1. Economic Growth
2. Employment
3. Traffic/Disruption
4. Port Infrastructure
5. Environment
6. Moving Facility

SUPPORT FOR PORT STRATEGIC PRIORITIES

• 85% strongly support strengthening the Port’s ability to manage large volumes of global exports and imports
• 82% strongly support equipment, facility, and structural investments to position the Port to be more globally competitive
HALIFAX SEAPORT

The Halifax Seaport is a flagship project that enhances and connects the Halifax community. Originally consisting of old warehouse sheds and industrial lands, we have transformed Piers 18 to 23 at the south end of the Halifax waterfront into a vibrant cultural, educational, and arts district. Strolling through the Seaport District you will experience a combination of restored buildings, highlighting the rich history of the area and contemporary architecture that showcases our region’s high quality urban amenities and public art. We are proud of our tenants, which include retail outlets, artisans, cruise terminals, event facilities, cafés, galleries, professional offices, a National museum, a university, and a farmers’ market.

Major tenants include the Halifax Seaport Farmers’ Market, The Canadian Museum of Immigration at Pier 21, NSCAD University - Port Campus, Cunard Centre, the Halifax Port Authority Administration Building and a dedicated cruise passenger terminal at Pavilion 22. The Halifax Seaport attracts over 1.2 million visitors annually.

HALIFAX SEAPORT FARMERS’ MARKET

The Halifax Farmers’ Market was created by Royal Proclamation in June of 1750, a year after the founding of Halifax. The Governor and Council designated a site for the Market – the present-day Bank of Montreal building. For 50 years this flesh, meat or cattle market, as it was known, sold produce as well as livestock delivered from Acadian farms in the Annapolis Valley and from local farm production.

In 1848 the City of Halifax was incorporated, and the original City Charter conveyed the Country Market property to the city “for the public and common benefit and use of the City of Halifax according to the true interest and meaning of the original grant.” The Market has operated in several locations across the city since its inception in 1750 but moved to the Halifax Seaport in 2010 where it is now known as the Halifax Seaport Farmers’ Market – the longest continuously-running Market in North America and proudly hosting over 250 vendors.

HALIFAX SEAPORT

1.2 MILLION VISITORS annually
Community Integration
LABOUR RELATIONS & EMPLOYEE PROGRAMS

Employee health, wellness, safety, and satisfaction are essential priorities for the Halifax Port Authority. We take pride in the strong labour relations and employee programs that help to provide support for our people.

Halifax Port Authority’s formal employee policies include:

- Harassment, Violence, and Discrimination in the Workplace Policy
- Conflict of Interest and Employment Policy
- Safety Policy

HPA is continually striving to improve and refine our employee diversity and outreach policies and programs. Our goal is to be a diverse workforce that is representative of the local community at all job levels and to provide a working environment that fosters professional growth and personal goal achievement for all our employees.

0 UNION STRIKES
in the history of Halifax Port Authority

0 GRIEVANCES
from unions over the past 2 years (2016-2017)

12% OF EMPLOYEES
are members of HPA’s Health & Safety Committee, which includes employees from all levels of the company
Halifax Port Authority’s employee programs include:

- An incentive-driven Community Investment Program. Through this program, the company pays for employees’ time spent volunteering for charity or non-profit organizations (up to $500).
- An incentive-driven Training & Development Program. Through this program, the company pays for employees’ university courses, workshops, conferences, and certifications related to career progression at HPA.
- A Core Training Program and a Mentorship Program available to staff.
- A substantive employee Health and Wellness program that strives to achieve and maintain a high-level of employee support and respect.

Approximately 40% of company employees have been trained in the Incident Command System (ICS), which is one of the most widely adopted emergency response training systems in North America. Through the ICS training, the employees are prepared to move into senior emergency management roles and occupy ICS positions in the case of an incident.

Halifax Port Authority is committed to workplace safety as demonstrated through having a dedicated Health and Safety Specialist; and maintaining a low incident rate.
PORT COMMUNITY INITIATIVES

The Halifax Port Authority supports various community events and causes related to port activities with a focus on the environment, and arts and culture. As part of ongoing outreach efforts, we host and participate in several engagement sessions each year including stakeholder meetings, industry workshops, and public port tours.

A long educational tour of the port where Halifax Port Authority speak and respond to questions about cargo, cruise, and our facilities. In addition, onsite tours are given to various stakeholders, including, community members, government officials, local schools and universities, public and private sector professionals.

Community Events and Causes


We are also responsible for the management the Port of Sheet Harbour, located on the Eastern Shore of Nova Scotia. Each year we work with the community of Sheet Harbour to plan a community event and open house during their annual summer festival.

Tours

For more than five years, the Halifax Port Authority has been offering free public community port tours that are held in late September or early October. The goal of these tours is to engage, inform, and excite the local Halifax community so they can discover more about the Port of Halifax. A local tour vessel is charted, and the tour is promoted through advertisements in local newspapers and social media. Annually, we have hosted from 600 to 1200 members of the public on the tours. The tour is an hour and a half long educational tour of the port where Halifax Port Authority speak and respond to questions about cargo, cruise, and our facilities. In addition, onsite tours are given to various stakeholders, including, community members, government officials, local schools and universities, public and private sector professionals.
Education

The Halifax Port Authority engages in a wide variety of endeavours that support education and promote careers related to the Port and our services. For example, staff engages with the Nova Scotia Community College Tourism Program regarding our cruise business. This includes a tour and presentation aboard a cruise vessel. Staff also presents on our cargo business to students studying logistics and supply chain. Past educational institutions include Nova Scotia Community College, Dalhousie University, Eastern College and Saint Mary’s University.

The Halifax Seaport Farmers’ Market attracts many requests from grades primary to 12 classes to learn more about farmers’ market. Our staff accommodates the requests and in addition to learning about the farmers’ market, they educate the class groups on sustainability and the importance of respecting the environment through discussing the building’s LEED Certification, water reuse planning, and Halifax Port Authority’s waste management system.

NSCC Tourism Management Students and Faculty Aboard Serenade of the Seas

Unveiling of The Volunteers/Les Benevoles Project

Tour with Millbrook First Nation Chief, Bob Gloade, and Staff
INTERCONNECTIVITY

DIGITAL CONNECTIVITY

Halifax Port Authority’s expanding services come with increased complexities in supply chain logistics. To mitigate these complexities, we are investing in R&D efforts focused on “digitizing the port” via IT and innovation. The goal is to capture data on inefficiencies and wasted time (dwell time) which will ultimately increase communication, transparency, and efficiency of the Port’s activities. This integrated and holistic approach to dealing with supply chain logistics will benefit the entire port community.

CANADA’S ATLANTIC GATEWAY

Halifax Port Authority is part of the Halifax Gateway Council and the Atlantic Canadian Cruise Association. Both these groups are mandated to increase interconnectivity between the port, relevant stakeholders, and the community. We also work closely with city planners, as well as Nova Scotia Department of Transportation and Infrastructure, to discuss the necessary infrastructure improvements and economic development goals resulting from larger vessels and more cargo. A holistic approach is used to address the necessary upgrades to transportation and accommodation.
HALIFAX PORT DAYS

Halifax Port Days is Atlantic Canada’s largest international business-to-business networking platform, connecting major global supply chain partners for two days of formal and informal networking opportunities. Through Halifax Port Days we engage a wide variety of key port stakeholders through business sessions, networking events, speaking opportunities, and company showcases. The two-day event attracts more than 1,000 people annually and fosters partnerships and innovation throughout the business community. Since 2011, we have been recording key Halifax Port Day speakers and they are accessible to the public on our YouTube channel.
Environmental Progress
SUSTAINABILITY POLICY & CLIMATE GOALS

HPA has invested in creating and implementing a Sustainability Policy (2014) and Sustainability Action Plan (2015). The Sustainability Action Plan is aligned with our business strategy and outlines the following commitments:

- Establishing targets for reducing the per unit intensity of greenhouse gas emissions;
- Strengthening our reporting processes;
- Collaborating with supply chain partners to identify synergies and opportunities for greater efficiency;
- Achieving reductions in energy consumption relative to operations;
- Improving the quality and efficiency of our infrastructure;
- Continued to engage with our stakeholders (employees, business partners, tenants, customers, and communities); and
- Adequately preparing for predicted and likely impacts resulting from changing climate patterns.

SUSTAINABILITY POLICY

The Port of Halifax believes that sustainable development, characterized by integrated long-term attention to environmental, social and economic progress, is integral to our mission and business success. As a leader within the business community, we are committed to contributing to our region’s sustainable future by considering and integrating environmental, social and economic performance into business decisions, operations and activities. This commitment is important to our ability to provide for, and minimize risk to, the future trade growth of the port and the well-being of the environment, our staff, business partners and community. We seek to accomplish these purposes by implementing industry, employee, vendor and community engagement best practices to efficiently and effectively reduce resource use, waste and emissions; achieve business objectives; and provide community benefits.
GREEN MARINE

Green Marine is a North American environmental certification program that stems from a voluntary initiative by the maritime industry to exceed regulatory requirements. Green Marine is a rigorous, transparent, and inclusive program that targets prioritized environmental issues such as greenhouse gas emissions, community impacts, and water and land pollution. To date, over 100 ship owners, port authorities, terminals, and shipyards in Canada and the United States participate in the program. HPA has been a member of the Green Marine Program since 2011 and participates in a thorough annual self-evaluation, disclosure, and external verification process. Our 2017 scores in comparison to the Green Marine averages are identified in the chart on the right.

TOP 5 ORGANIZATION for Green Marine scoring in 2017

Green Marine Program scoring results are compiled on a scale of 1 to 5, where 1 illustrates the monitoring of regulations and 5 illustrates excellence and leadership. The average score for participating ports, across all applicable areas during the 2017 reporting year, was 3.1. Our average score was 4.4, placing us in the top five ports participating in the program.

2017 GREEN MARINE PROGRAM RESULTS: OVERALL PORTS AVERAGE VS. LEVELS ACHIEVED BY HALIFAX PORT AUTHORITY

<table>
<thead>
<tr>
<th>Category</th>
<th>Halifax Port Authority</th>
<th>Green Marine Program Ports Average</th>
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<tbody>
<tr>
<td>Waste Management</td>
<td>2.4</td>
<td>4.0</td>
</tr>
<tr>
<td>Environmental Leadership</td>
<td>3.3</td>
<td>5.0</td>
</tr>
<tr>
<td>Community Impact</td>
<td>3.0</td>
<td>4.0</td>
</tr>
<tr>
<td>Spill Prevention</td>
<td>3.3</td>
<td>5.0</td>
</tr>
<tr>
<td>Greenhouse Gases</td>
<td>3.0</td>
<td>4.0</td>
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Electric Car at the Halifax Seaport Charging Station
ENERGY & EMISSIONS PROFILE

Since 2014, HPA has completed an annual carbon footprint and emissions profile for our operations. This is in accord with our ongoing commitment to the Green Marine Program. Completing this profile is an aspect of our ISO 14001 environmental management framework. We have set an intensity-based GHG emissions reduction target of 10% over 10 years (beginning in 2017), or an average reduction of 1% annually from the baseline of 265 g/tonne of carbon dioxide equivalents (CO2e). To account for annual variability in emissions and energy consumption, this baseline was created using a three-year average of HPA’s emissions inventory from 2014 through 2016.

In 2017, we experienced a 16% decrease in emissions intensity as compared to the baseline. There are a few reasons for this decrease. We have experienced a reduction in electricity consumption. The emissions intensity of electricity consumed in Nova Scotia is also decreasing as Nova Scotia Power continues to transition away from coal-fired power throughout the province.

Additionally, we experienced an 8% increase in port tonnage from 2016 to 2017 which contributed to the substantial decrease in emissions intensity in 2017.

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<th>BASELINE*</th>
<th>2017</th>
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<tr>
<td><strong>ANNUAL CO2E EMISSIONS (KGS)</strong></td>
<td>2,089,899</td>
<td>1,971,398</td>
</tr>
<tr>
<td><strong>ANNUAL TOTAL PORT COMMODITY (TONNES)</strong></td>
<td>7,891,171</td>
<td>8,902,348</td>
</tr>
<tr>
<td><strong>EMISSIONS INTENSITY (G/TONNES)</strong></td>
<td>265</td>
<td>221</td>
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*Note the baseline is an average of 2014–2016 data.
ISO 14001

HPA has a registered ISO 14001 Environmental Management System (EMS) which includes annual internal and external audits. As a part of the EMS a greenhouse gas, NOx, and SOx inventory is completed annually by an independent environmental consultant.

SHORE POWER

The Port of Halifax was the first East Coast Canadian port to implement a shore power system for cruise vessels to minimize the use of ship engines while berthed. This $10-million project was undertaken in 2014 and has now been fully implemented to accommodate cruise vessels. The use of shore power reduces marine diesel air emissions by enabling ships to shut down their auxiliary engines while berthed through connecting to the electricity grid. This reduces air emissions, improving local air quality in downtown Halifax.

1ST CANADIAN PORT
to achieve the voluntary ISO 14001 environmental management standard in 2005

HARBOUR HIGHLIGHTS

• A lighting inventory and assessment was performed in 2017 and over 400 new high-efficiency LEDs were installed across the port.
• Several bike racks and one bicycle repair station, have been installed throughout the Halifax Seaport property.
WASTE & POLLUTION REDUCTION

In 2017 we created best practices for environmental procurement, waste management and reduction to reduce the amount of waste generated by port operations.

ENVIRONMENTAL PROCUREMENT BEST PRACTICES

The Halifax Port Authority aims to purchase products and services that have positive environmental and social implications. It is the objective of these best practices to advance the protection of the environment and support sustainable development by integrating environmental performance considerations into the procurement decision-making process. We will therefore institute practices that:

- Minimize environmental impacts, toxins, pollution, and hazards to worker and community safety;
- Maximize recycled content;
- Reduce waste by increasing product efficiency, reusability, recyclability, and effectiveness; and are durable and long-lasting;
- Conserve energy and water; and
- Reduce greenhouse gas emissions.

WASTE MANAGEMENT & REDUCTION BEST PRACTICES

The Halifax Port Authority is committed to reducing waste and increasing recycling or beneficial reuse of all waste materials arising from administrative activities, site operations, and all activities that take place on the Port’s property. Therefore, consideration will be given to the end destination of all products and materials brought on to the port’s sites. Company employees and contractors have been asked to develop and submit a recycling plan that details how the waste from unique initiatives will be reused or recycled either as a standalone plan or as part of all Environmental Management Plans. The intent is that all construction contracts will require the recycling of at least 75% of selected construction and demolition waste (asphalt, concrete, steel, non-hazardous soil) by weight.
WASTE DIVERSION

The Halifax Port Authority is committed to reducing the amount of landfilled waste from our operations. In October 2016, we undertook our first comprehensive waste audit of all Halifax Port Authority facilities, in alignment with Green Marine and Port sustainability objectives. Through this process, we were able to establish a baseline of 48% waste diversion and set a target of 55% for waste diversion in 2017. By executing annual waste audits, we can track our performance and gauge the effectiveness of the programs and systems we implement.

Through the implementation of an internal waste diversion program and system, including an organics waste collection system, we were able to divert 1,092 cubic yards (CY) of waste from the landfill in 2017. This accounts for 51% of the company’s waste, demonstrating a 3% increase in waste diversion year-over-year. 838 CY of waste was recycled, 254 CY of waste was composted, and 1,031 CY of waste was sent to the landfill.

We fell short of our 2017 waste diversion target by 4%. We believe that this is partially due to implementing our new waste diversion program and system partway through the 2017 year (in June of 2017). We are continuing to work with our employees, tenants, and subcontractors to increase waste diversion across our operations.

SPILL PREVENTION, CONTROLS AND RESPONSE

The Halifax Port Authority actively works to prevent spills and leaks from entering the environment by implementing prevention, control, and response initiatives based on best practices. The Port of Halifax has approximately 40 spill kits strategically located throughout the property to address both minor and major spills if they were to occur.
Looking Forward
NEXT STEPS

We are very proud to have released our inaugural sustainability report this year and will continue to issue reports on our sustainability performance going forward. We have created a sustainability action plan for our operations. Through this process we identified four priority areas for the Port of Halifax:

- Supply Chain Coordination and Strategic Collaboration
- Auditing, Reporting, and Verification
- Reducing Air Emissions
- Waste Reduction

Continued progress in these four areas is of utmost importance to us. Although we have made significant advancements to date, we are committed to executing strategies for promoting sustainability throughout the organization, as well as with Port partners, community members, and the public. We will continue to identify and address gaps in our operations, and look for prospects to support economic growth, community integration, and environmental progress.

We will also continue to strengthen our reporting process, so we can communicate our actions and plans with you more effectively. We look to standards from credible organizations, such as the Global Reporting Initiative (GRI), the Sustainability Accounting Standards Board, Green Marine, and the United Nations Global Compact, to guide this development.

We also will continue to assess materiality for the organization to determine what matters most to our employees, partners, stakeholders, and community members, so we can highlight these subjects in our reporting.
## MEASURING PERFORMANCE

### ECONOMIC GROWTH

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ECONOMIC IMPACT</strong></td>
<td></td>
</tr>
<tr>
<td>Direct contribution to Nova Scotia’s GDP</td>
<td>$809 million</td>
</tr>
<tr>
<td>Economic impact</td>
<td>$1.7 billion</td>
</tr>
<tr>
<td><strong>HALIFAX SEAPORT</strong></td>
<td></td>
</tr>
<tr>
<td>Visitors annually to the Halifax Seaport</td>
<td>1.2+ million</td>
</tr>
</tbody>
</table>

### JOBS AND EMPLOYMENT

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Jobs</strong></td>
<td></td>
</tr>
<tr>
<td>Jobs from port activities</td>
<td>$534 million</td>
</tr>
<tr>
<td>Jobs from Nova Scotia container exports</td>
<td>12,446</td>
</tr>
<tr>
<td>Jobs from non-containerized tonnage</td>
<td>24,571</td>
</tr>
</tbody>
</table>

### CARGO AND CRUISE

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cargo and Cruise</strong></td>
<td></td>
</tr>
<tr>
<td>Containerized throughput, up 16% year-over-year</td>
<td>559,242 TEU</td>
</tr>
<tr>
<td>Non-containerized tonnage, up 12% year-over-year</td>
<td>371,913 metric tonnes</td>
</tr>
<tr>
<td>Cruise vessel calls, up 27% year-over-year</td>
<td>173</td>
</tr>
<tr>
<td>Cruise guests, up 23% year-over-year</td>
<td>292,722</td>
</tr>
</tbody>
</table>
COMMUNITY INTEGRATION

LABOUR RELATIONS

0 union strikes since the Port’s conception

0 grievances from unions over the last 2 years (2016–2017)

HEALTH AND SAFETY

12% of employees are members of the Port’s Health & Safety Committee

40% of employees have completed in ICS training (approximately)

COMMUNITY ENGAGEMENT

600+ community members engaged in the Port’s master planning process to the end of 2016

75+ organizations

1,000+ people attended Port Days in 2017

100+ tours given annually

Oceans Week HFX Activity at Point Pleasant Park, Sponsored by HPA
ENVIRONMENTAL PROGRESS

GREEN MARINE

Placed in the Top 5 for Green Marine scoring in 2017

4/5 in Air Pollutants

5/5 in Spill Prevention

4/5 in Community Impacts

5/5 in Environmental Leadership

4/5 in Waste Management

ENERGY & EMISSIONS

1,971,398 kg CO₂e in 2017

221 g/tonnes emissions intensity

16% decrease from the (2014–2016) baseline

400+ high efficiency LEDs were installed across the port in 2017

WASTE MANAGEMENT

1,092 cubic yards of waste were diverted from the landfill in 2017

838 cubic yards of waste was recycled

254 cubic yards of waste was composted

51% waste diversion

3% improvement from 2016

HPA Staff Participating in an Idle-Free Event