

Great Lakes and Marine Industry News Update

September 2022



Exciting Marine Careers



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H205A

MAPLE GRO
FINCA

Transport Canada transfers management of Burlington Canal Piers to Hamilton-Oshawa Port Authority

From: [Transport Canada](#)

Transport Canada has been working closely with the Hamilton-Oshawa Port Authority, the City of Burlington, and the City of Hamilton, on the future of the Burlington Canal Piers. In managing the Burlington Canal Piers, the Hamilton-Oshawa Port Authority will carry on Transport Canada's commitment for a marine system that is responsive to both the needs of users and the local community.



Toronto could soon receive a high-speed ferry service to Niagara Falls

- A planned ferry service from Lake Ontario EXPRESS would run two zero-emission passenger boats from Toronto's waterfront to the lower Niagara Peninsula and would cost \$25 per ride.
- Bruno Caciagli, president of Lake Ontario Express plans to start with two boats, with a 50 – 80 passenger capacity. So far, he has acquired the necessary permits on the Niagara end and is working on securing a docking space in Toronto.
- Once they're up and running, the boats will be operational during the tourist season of April to mid-fall. Because of the technology the boats use — an Artemis eFoil, which enables the boats to glide over the water — they can't operate in the winter when there's ice in the lake. The Artemis eFoil is based on the integration of a high-power density electric drivetrain into an autonomously controlled hydrofoil.
- This won't be the first attempt at a Toronto to Niagara ferry. Specifically, 2 Katran hydrofoils (Seaflight I and II) operated on Lake Ontario between Toronto and Queenstown, Niagara from 1998 -2003. Other companies have tried to operate similar routes in the past, but a lack of passengers taking the service made the boats unprofitable.
- Construction of the boats, built by Artemis Technologies LTD in the UK, is expected to start in 2023

**Great Republic
in the Welland
Canal, returning
from the second
of two rare trips
to Quebec City
so far this
season. At 635
feet, she is the
only Great
Lakes Fleet
vessel capable
of transiting the
Seaway.**

Bill Bird, June 28



'A key part of our economic opportunity': Great Lakes mayors united in call for a provincial marine strategy

They were there for a purpose, and it wasn't to look at the ships passing by in the Welland Canal.

Walter Sendzik, mayor of St. Catharines and chair of the Great Lakes and St. Lawrence Cities Initiative, was joined by Port Colborne Mayor Bill Steele, Township of Tiny Mayor George Cornell, and marine industry representatives to announce they want to see the Ontario government develop a strategic, well-funded vision for the maritime industry in the province.

"We urge the Province of Ontario to move forward on a marine strategy for our province," said Sendzik. "It really is a key part of our economic opportunity"

The group represents more than 150 Great Lakes and St. Lawrence River mayors.



The Oberstar heads outbound Duluth for Marquette just as Viking Octantis gets settled in along the waterfront.

David Schauer, June 27

**Viking
Octantis
shows off her
size in
comparison
to fellow
cruise ship
Ocean
Voyager.**

David Kaye, June 23



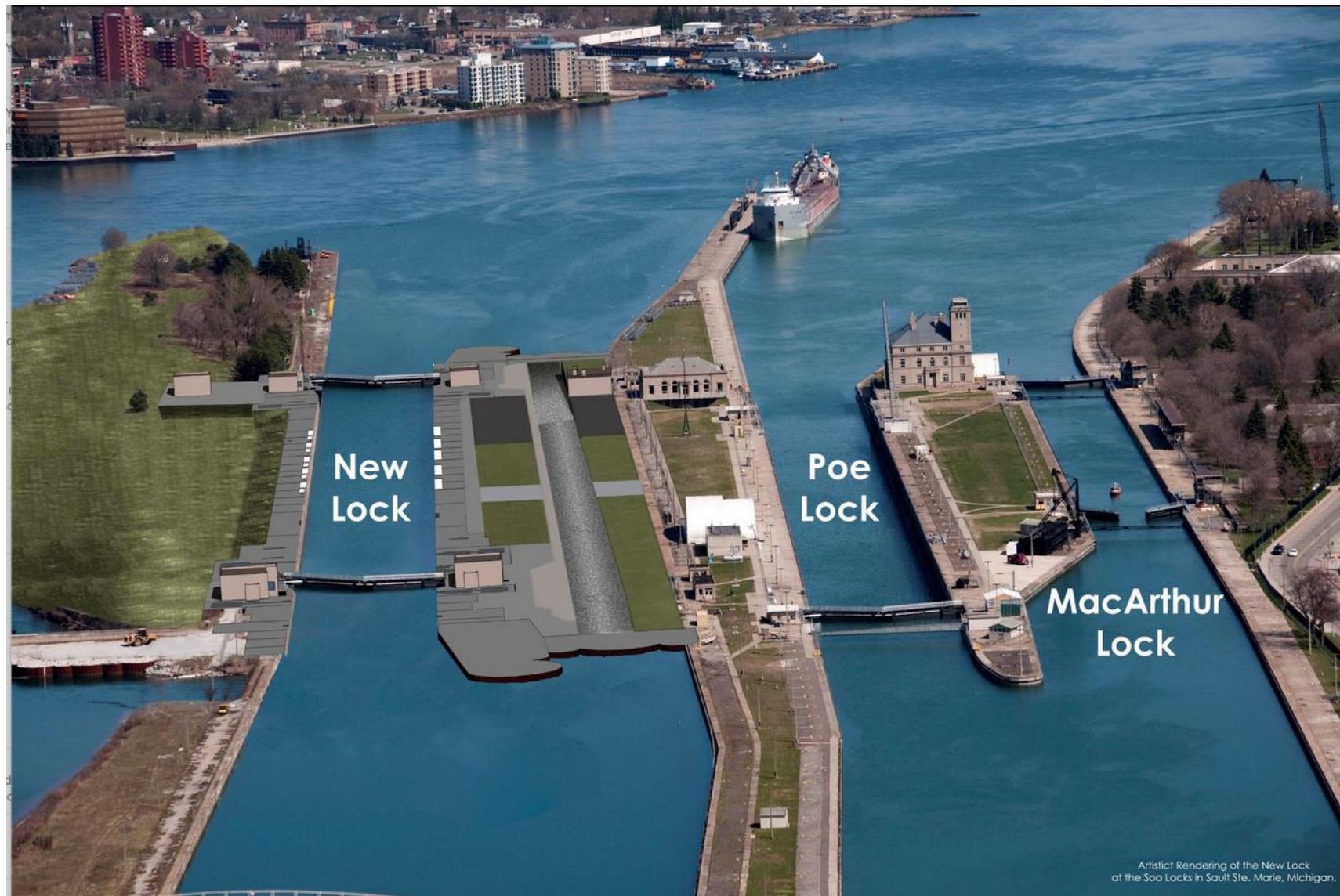
David Kaye 2022



**CSL Tadoussac
and Algoma
Buffalo
unloading on
the River
Rouge.**

Andrew Dean, June 25

Corps of Engineers awards \$1.068 billion of the New Lock at the Soo Phase 3 contract



SAULT STE. MARIE, MI – U.S. Army Corps of Engineers, Detroit District anticipates Phase 3 construction will start this summer with the \$1.068 billion of the New Lock at the Soo Phase 3 contract award July 1, 2022. Kokosing Alberici Traylor, LLC (KAT), a joint venture headquartered in Westerville, Ohio will begin constructing the largest phase, the new lock chamber and rehabilitation of the downstream approach walls. With continued funding, the remaining work, valued at \$803.95 million may be awarded over the next three years. Corps of Engineers officials expect Phase 3 construction to take seven years.



**Interlake's
newbuild Mark
W. Barker
casts off for
the first time
under her own
power to
undergo sea
trials.**

Scott Best, July 1



**Stewart J. Cort,
Roger Blough,
and Cason J.
Callaway look
on in envy as
the Barker sails
out of Bay
Shipbuliding.**

Scott Best, July 1

Great Lakes' First New US-Flagged Bulk Carrier in 40 Years Sets Sail on Maiden Voyage

[Mike](#)

[Schuler](#) July 27, 2022

The first new U.S.-flagged Great Lakes bulk carrier built in nearly 40 years departed on its maiden voyage from Fancantieri Bay Shipbuilding in Sturgeon Bay, Wisc. The M/V *Mark W. Barker* left the shipyard for its 110-mile voyage to Port Inland, Michigan, where it will load stone to deliver to Muskegon, Michigan.



A professional headshot of a woman with long dark brown hair, smiling. She is wearing a dark grey blazer over a light-colored collared shirt.

Ottawa – The Canadian Marine Industry Foundation (“CMIF”) has announced the appointment of Julia Fields as Executive Director, effective August 22, 2022.

Julia joins the CMIF with more than 20 years’ experience in communications and journalism in Canada, the U.S. and the UK, including most recently as the Communications Director with the

[Chamber of Marine Commerce.](#)



Three Port strategic alliance to bolster the St. Lawrence trade corridor by [Leo Ryan](#) Jul 25, 2022



SEAWAY MONTHLY TRAFFIC RESULTS

August 2022

Traffic (in thousands of tonnes)	SLSMC - Combined Traffic			
	Year to Date		Change from 2021	
	2021	2022	Tonnes	%
Total Cargo	21 049	19 185	-1864	-8.85%
All Grain	5 037	3 964	-1074	-21.31%
Iron Ore	4 558	3 874	-684	-15.01%
Coal	1 217	944	-273	-22.40%
Dry Bulk	6 335	6 545	210	3.31%
Liquid Bulk	1 817	2 096	279	15.36%
General Cargo	2 041	1 742	-299	-14.65%
Vessel Transits		2021	2022	Transits %
Total Transits		2 187	2 211	24 1.10%

The St. Lawrence Seaway Management Corporation

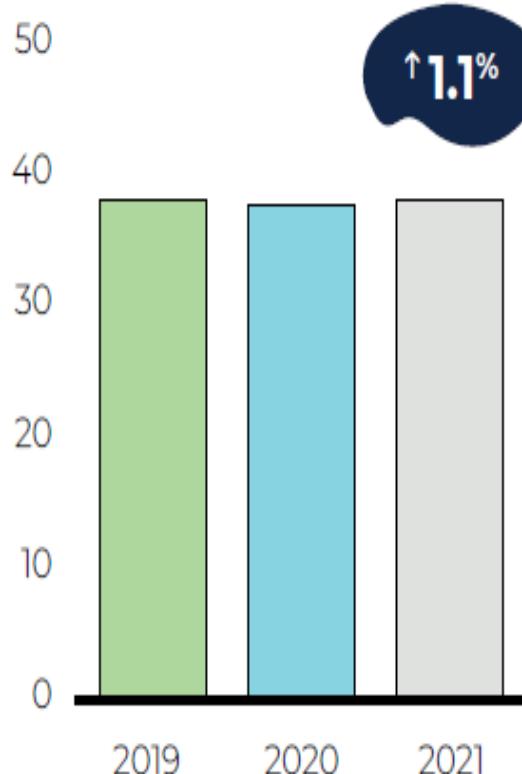


The St. Lawrence
Seaway Management
Corporation

Corporation de Gestion
de la Voie Maritime
du Saint-Laurent

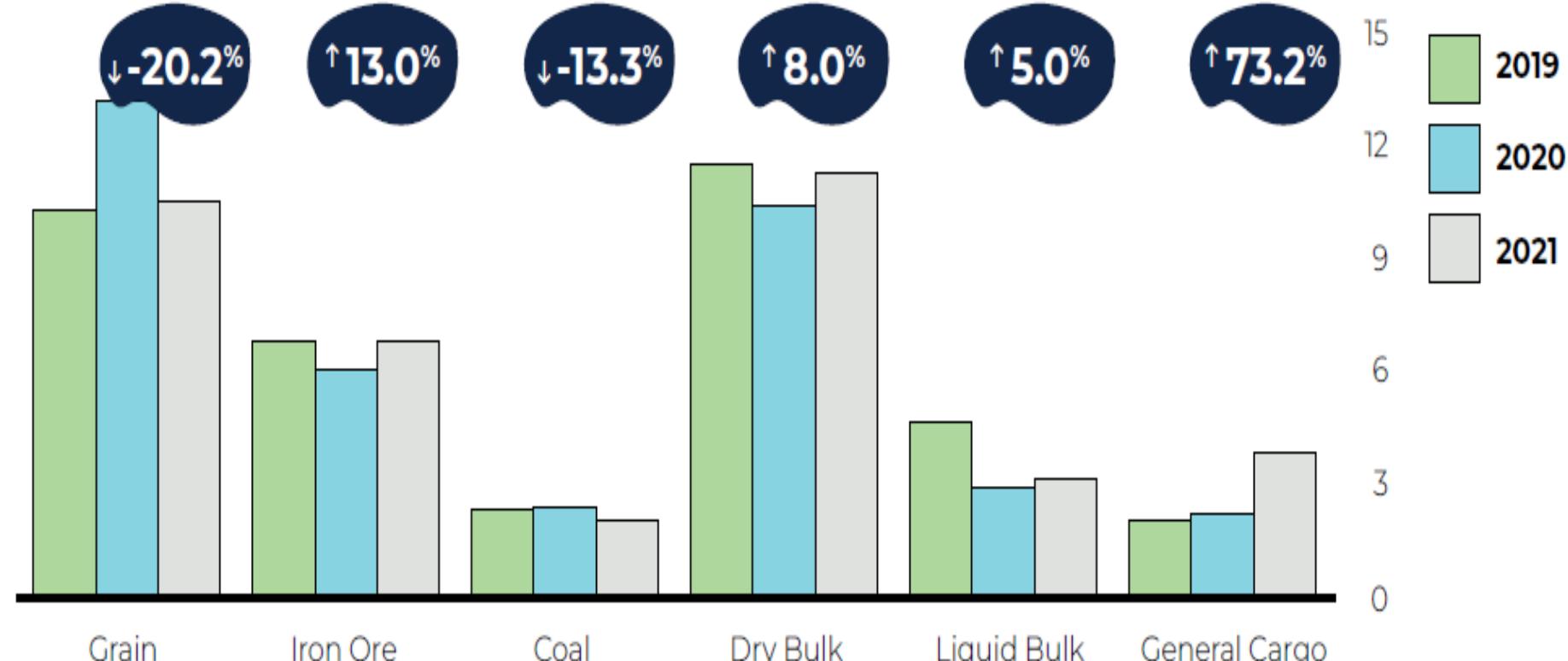
TOTAL TONNAGE

(total cargo in millions of tonnes)



RESULTS BY CARGO TYPE

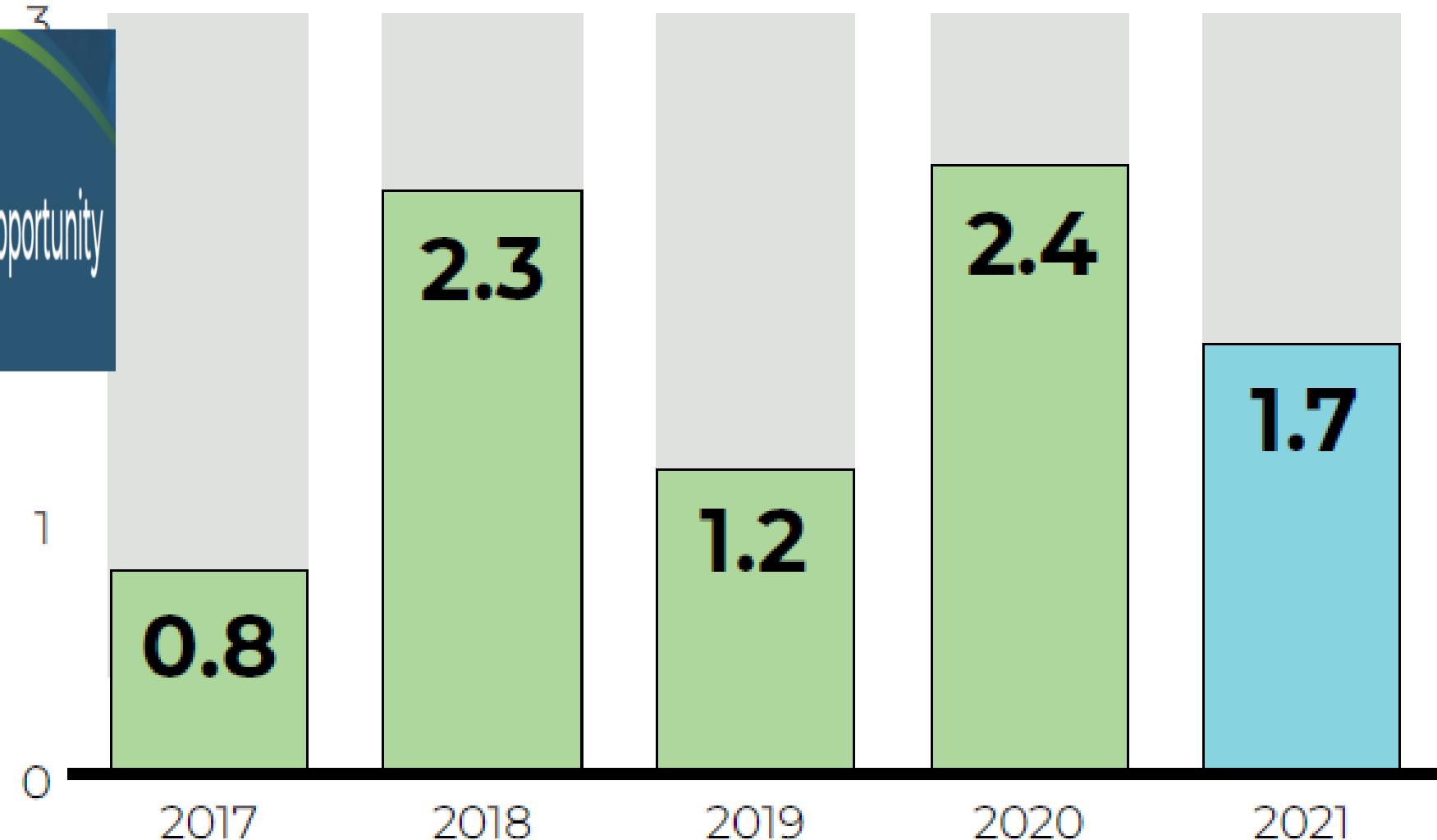
(total cargo in millions of tonnes)



A green corridor leading to economic growth and opportunity

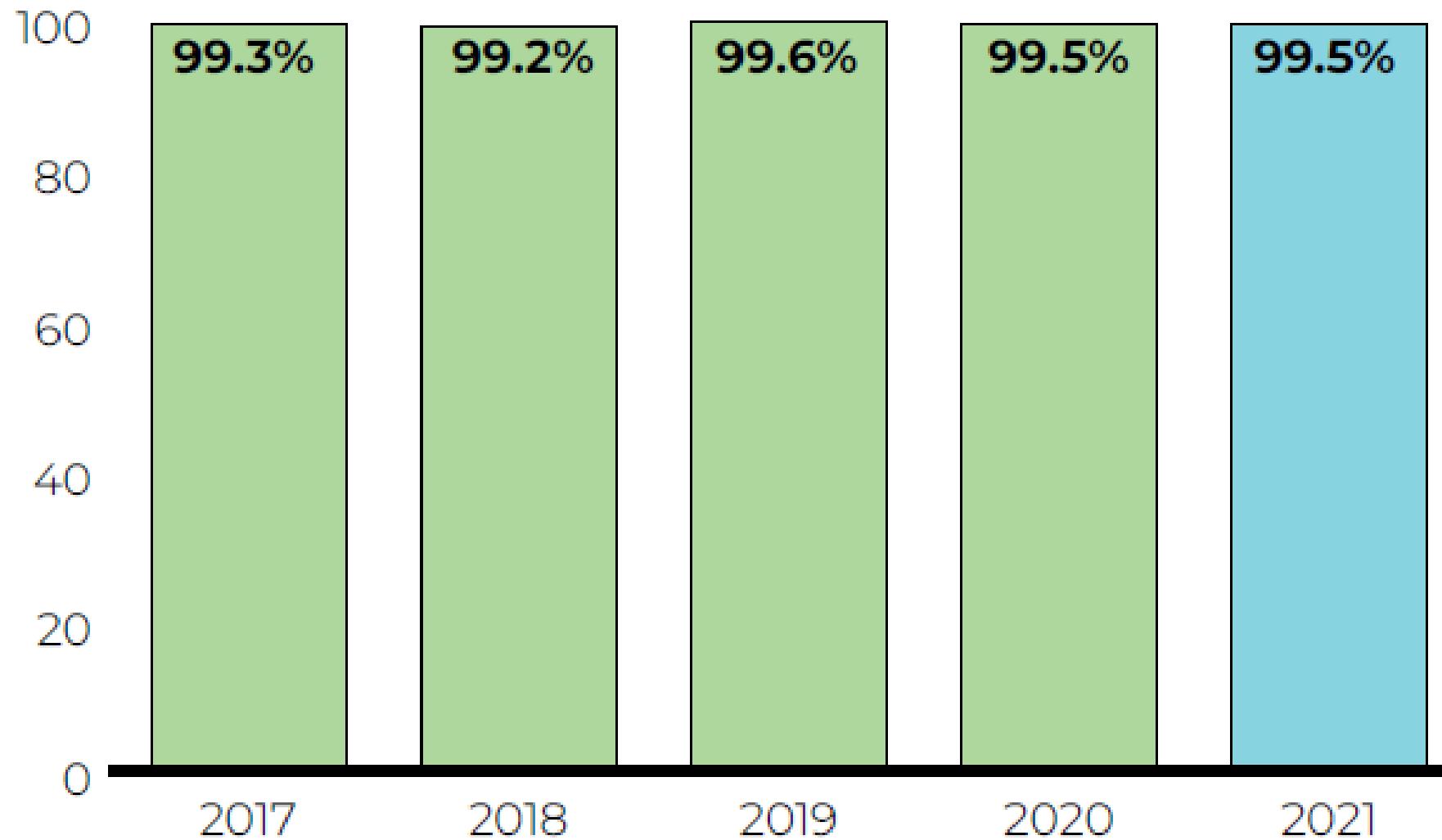
VESSEL INCIDENT RATE

Number of incidents per 1,000 transits

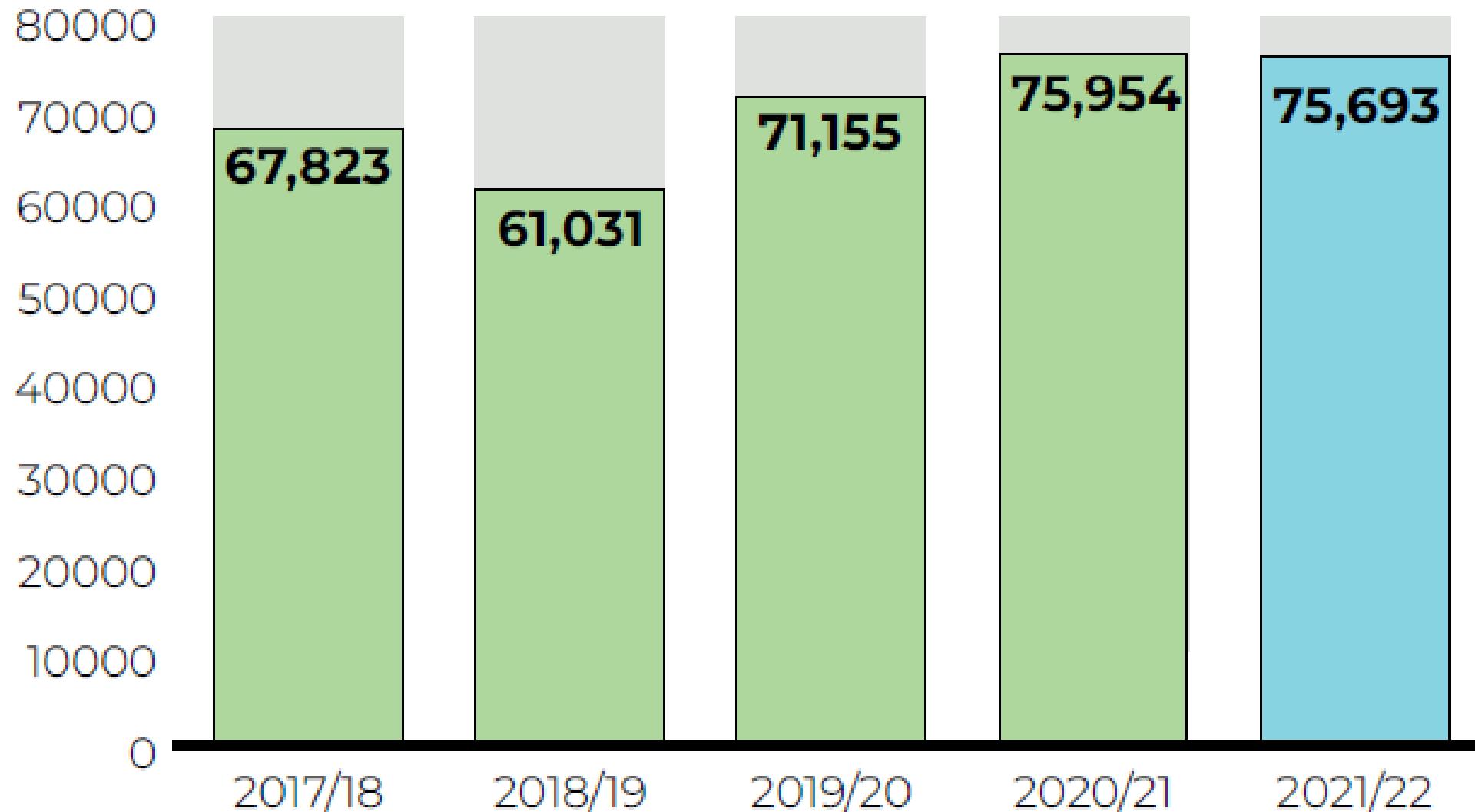


SYSTEM AVAILABILITY

Target 99.00%

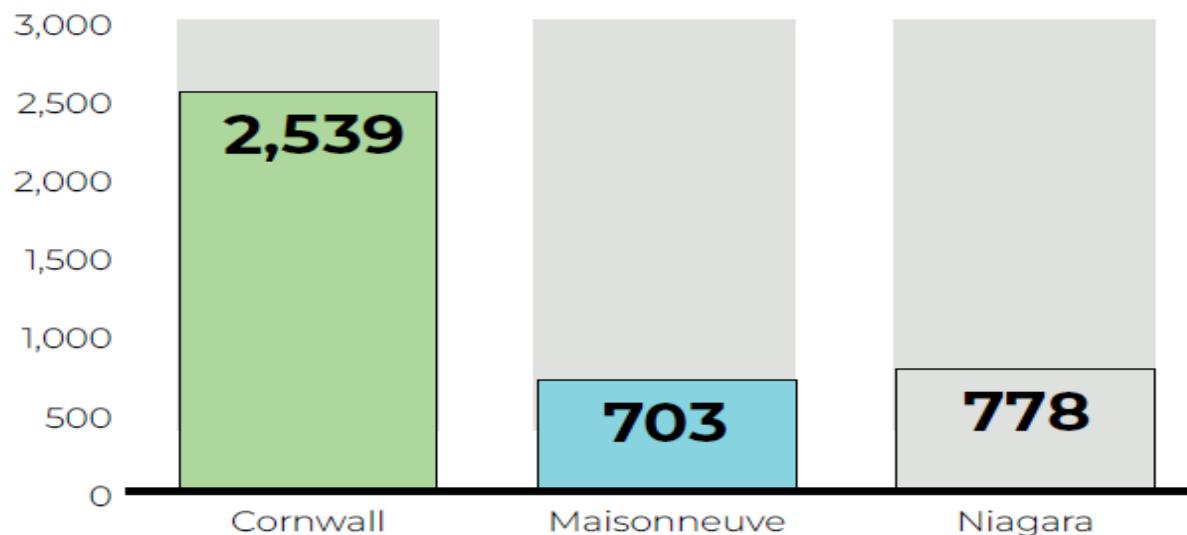


ASSET RENEWAL SPENDING



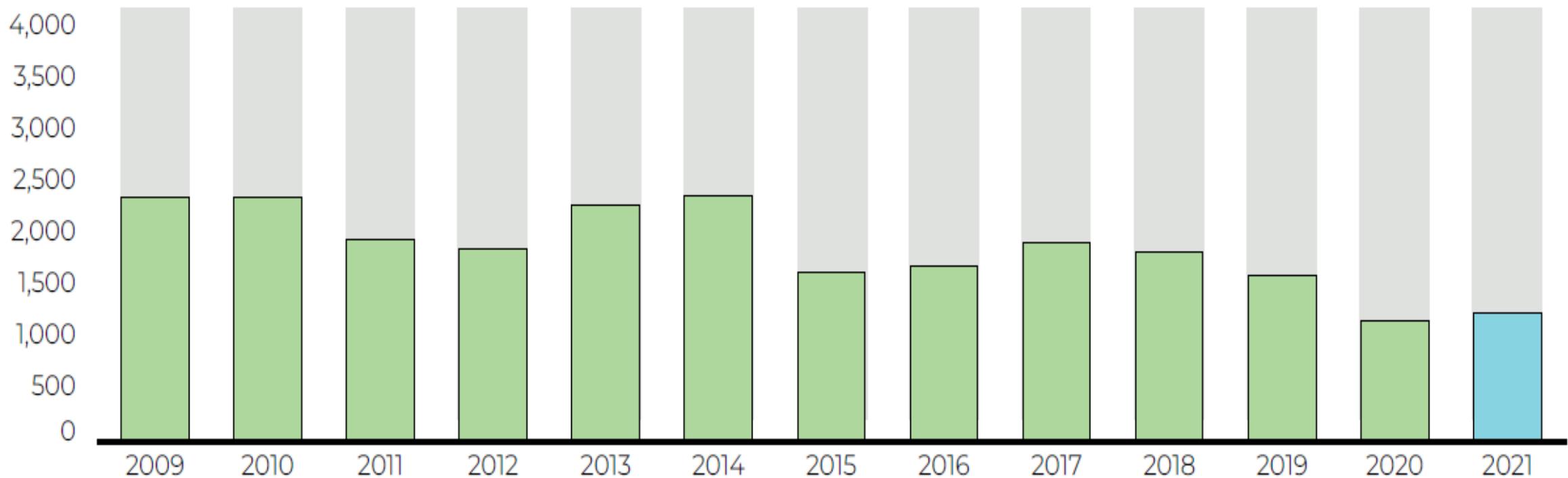


DAYS SINCE LAST LOST TIME INCIDENTS
(RESULTS AS OF MARCH 31, 2022)



SLSMC GREENHOUSE GAS EMISSIONS

Tonne equivalent CO₂



FINANCIAL HIGHLIGHTS		2021/2022	2020/2021	2019/2020
		(‘000s)		
Revenue				
Tolls		\$79,751	\$76,808	\$73,772
Other		3,809	3,188	4,273
Category 1 Lands Revenue remitted directly to Receiver General		7,720	7,589	5,885
Total revenue		\$91,280	\$87,585	\$83,930
Manageable expenses				
Salaries and benefits *		\$55,029	\$54,289	\$55,702
Other		13,059	11,316	13,948
Employee Future Benefits (Non-cash)		(15,763)	(7,196)	(15,250)
Total manageable expenses		\$52,325	\$58,409	\$54,400
Excess of revenue over manageable expenses		\$38,955	\$29,176	\$29,530
Asset renewal investments				
Regular maintenance		\$11,374	\$10,282	\$10,141
Major maintenance		63,567	64,440	58,907
Capital acquisitions **		752	1,232	2,107
Total asset renewal investments		\$75,693	\$75,954	\$71,155

**The binational
St. Lawrence Seaway's
15 locks serve as the
linchpin within the
broader waterway.**

Cargo moving on the Great Lakes –
St. Lawrence Seaway System supports:



\$59 Billion
in Economic Activity



329,000
Jobs



\$23 Billion
in Wages

ST. LAWRENCE SEAWAY

 Sault Ste. Marie ("Soo" Locks) Commercial Locks
Managed by the U.S. Army Corps of Engineers

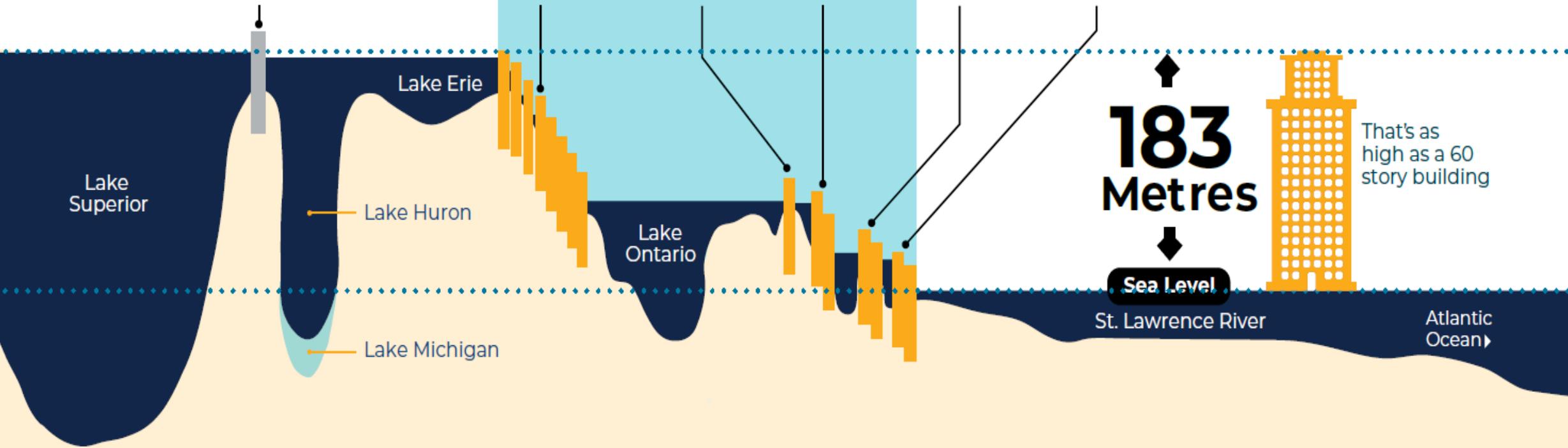
 Welland Canal (8 Locks)

 Iroquois Lock

 Eisenhower & Snell Locks

 Beauharnois Locks

 Côte Ste. Catherine & St. Lambert Locks



Ships can be over twice as long and about half as wide as a football field.

Lock dimensions

Length
233.5 m (766 ft.)

Width
24.4 m (80 ft.)

Water depth
9.1 m (30 ft.)



Maximum vessel size

Maximum beam
23.77 m (78 ft.)

Capacity
Carries up to 30,000 MT per voyage

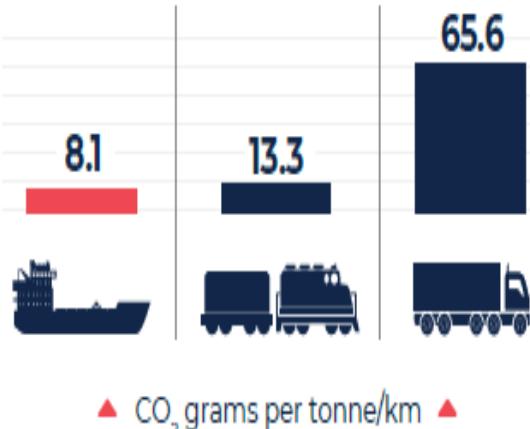
Maximum length
225.5 m (740 ft.)

Maximum air draft
35.5 m (116 ft., 6 in.)

Maximum draft
8.08 m (26 ft., 6 in.)*

* Commercial vessels equipped with Draft Information System (DIS) technology are allowed to load to a maximum draft of 8.15 m (26 ft., 9 in.).

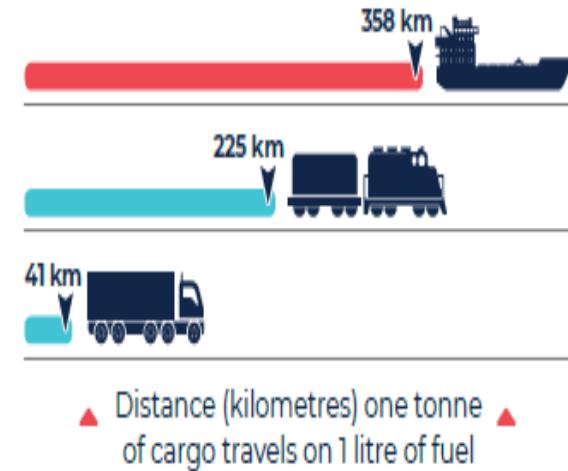
Ships = Smallest Carbon Footprint



Shifting Cargo from Land to Water



Ships = Best Fuel Efficiency



**Annual Corporate
Summary 2021-2022**

A green corridor leading to economic growth and opportunity

CSL's newest vessel master is Captain Krista Ingram who was fully certified today as a Piloting Master in all districts of the Great Lakes Pilotage Authority. We are extremely grateful and proud to have her at the helm of one of our ships and wish her fair winds and following seas on her voyages as a CSL captain.

CSL Group



The Canadian Coast Guard has awarded Heddle Shipyards a \$36.14 million vessel life extension contract for the Canadian Coast Guard Ship (CCGS) George R. Pearkes. The vessel will be dry-docked and enter an extended maintenance period designed to increase its operational life.

The Hamilton, Ont. yard secured the contract following an open and competitive bid process. The project was awarded by Public Services and Procurement Canada on behalf of the Canadian Coast Guard.

Life extension work includes steel hull reinforcement; hull, superstructure, deck and mast recoating; galley modernization; replacement of the bow thruster, cycloconverter, propulsion generator and the internal communication system; tail shaft and rudder inspections; and domestic and auxiliary system upgrades.

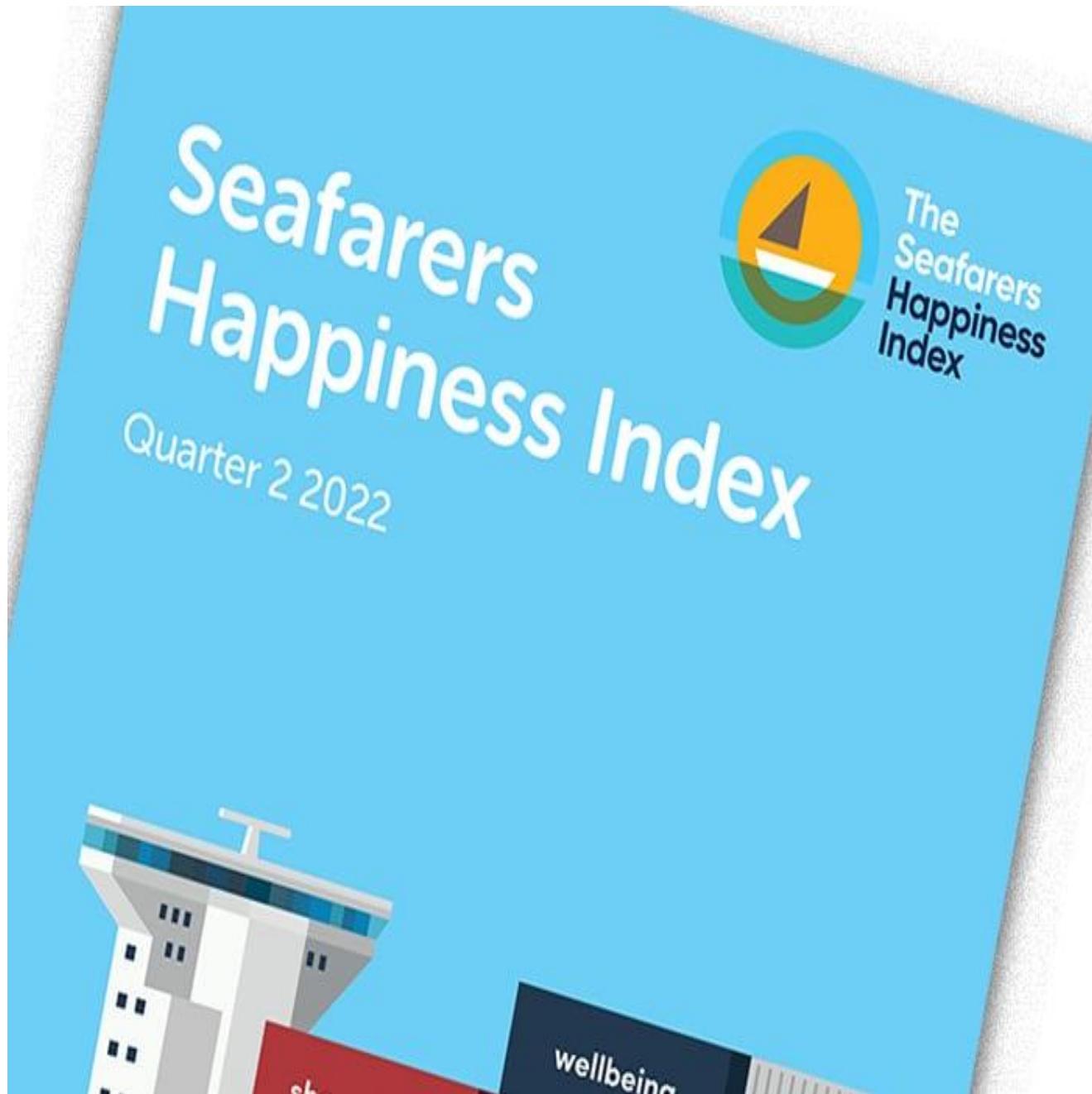




Canadian Minister of Transport, Omar Alghabra, and the President and CEO of the Hamilton-Oshawa Port Authority, Ian Hamilton, have announced a significant investment of almost \$30 million for an expansion project at the Port of Oshawa.

As reported, the Government will invest close to \$14 million to modernize the port operations while the \$16 million contribution is coming from the Hamilton-Oshawa Port Authority.

Other improvements planned at the port include expanding marine infrastructure, harbour deepening, upgrading storage and container terminals, as well as extending and paving the roads. This project will also increase grain exports and improve the fluidity of deliveries.



The latest Seafarers Happiness Index report, just published by [The Mission to Seafarers](#), indicates that seafarer happiness levels are recovering, after reaching [a record low last quarter](#). Overall happiness has increased from 5.85 to 7.21 out of 10, with levels rising across all categories.

The survey, undertaken with the support of the Standard P&I Club and Cardiff, Wales, based international ship inspection specialist Idwal, reports on second quarter 2022.

According to the Mission to Seafarers, the survey shows that the influx of industry solutions to tackle seafarer wellbeing has finally begun to lift morale and the mindset onboard. With more vaccinations, more frequent crew changes, wage rises and new amendments to the Maritime Labor Convention (MLC), there has been a knock-on effect for seafarer optimism.



KINGSTON, ON — What a year it's been for St. Lawrence Cruise Lines, which has officially sold out all 2022 cruises and is now booking passengers for 2023. The cruise line, which operates a single vessel, the **CANADIAN EMPRESS**, on the St. Lawrence River, says the strong demand was initially fuelled by Canadian and American travellers wanting to travel close to home during the most recent stages of the pandemic. It also says growing recognition of the benefits of small-ship cruising, including being able to offer a more private experience that focuses on safety and comfort, is impacting consumer demand.

Travelweek Group



St. Catharines, Canada August 16, 2022 - Algoma Central Corporation (TSX: ALC) today announced that it has entered into a joint venture agreement to construct four dual-fuel ice class 1A 17,999 DWT climate friendly product tankers with Furetank AB ("Furetank") of Sweden. Algoma will own 50% of the joint venture, which is to be named FureBear. This joint venture, with a leader in the Northern European intermediate ice-class product tanker segment, will advance Algoma's presence in international short sea shipping markets and strengthen the Company's investment in long-term sustainable shipping solutions.



The Canadian Coast Guard Dedicates its Latest Icebreaker into Service

Thu, August 25, 2022

the CCGS *Jean Goodwill*, the second of the three medium interim icebreakers, to the Coast Guard fleet at a dedication to service ceremony held at the Port of Sydney, in Sydney, Nova Scotia.

The CCGS *Jean Goodwill* is named after Jean Cuthand Goodwill O.C., the first Indigenous nursing program graduate in Saskatchewan. She was a founding member of the Aboriginal Nurses Association of Canada, and served as the organization's president for seven years.

Sault Ste. Marie is now home to Coast Guard Center of Expertise *Research will focus on impacts of oil spills in freshwater*

Brendan Wiesner The Sault News

Located at Lake Superior State University's Richard & Theresa Barch Center for Freshwater Research and Education, the Center of Expertise will conduct research examining the impacts of oil spills in freshwater environments to help develop effective responses.

The center will have several areas of focus, including:

- Working with academic and the private sector to develop and standardize maritime oil spill response training**
- Identifying gaps in Great Lakes oil spill research, including providing assessments of major scientific or technological deficiencies in responses to past spills in the Great Lakes and other freshwater bodies**
- Monitoring and assessing the current state of knowledge regarding freshwater oil spill response technologies**
- Conducting research, development, testing and evaluation for freshwater oil spill response equipment, technologies and techniques to mitigate and respond to oil spills in the Great Lakes**
- Helping train first responders on the federal, state and local level on the incident command structure system and response technologies and strategies**

Toot! Toot! Iconic Theodore Too to become an Airbnb

By [Fallon Hewitt](#) Spectator Report



Fans of [Theodore Tugboat](#), rejoice. You can now get up close and personal with the iconic vessel — even more so than before. The beloved boat that [calls Hamilton Harbour home](#) will soon [become an Airbnb](#) for a weekend in September. Since arriving in Steeltown, the familiar and friendly tugboat has been making the rounds travelling around the Great Lakes as a means of promoting the marine industry and encouraging Canadian youth to consider a career in seafaring.



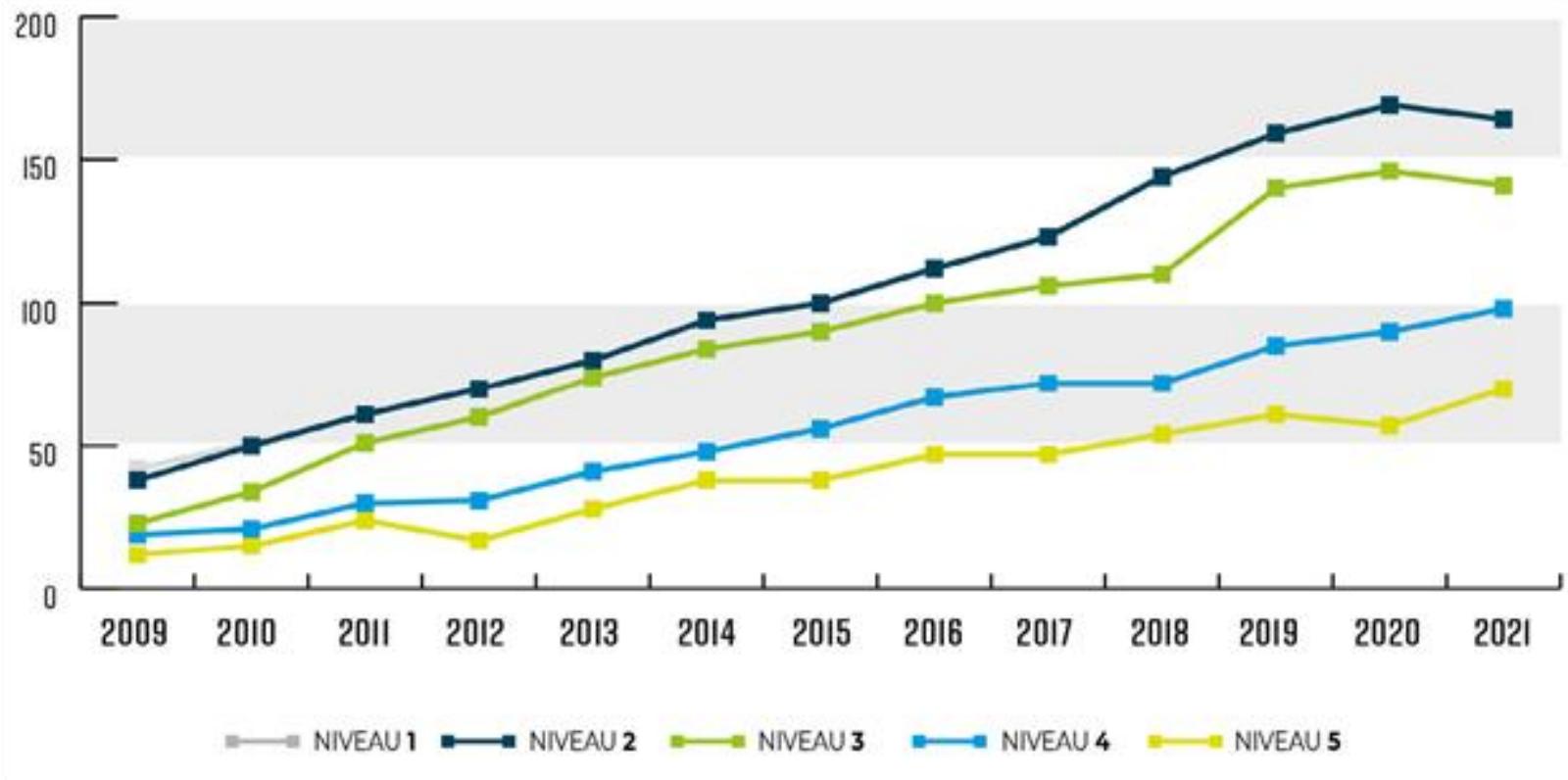
GREEN MARINE 2021 RESULTS PERFORMANCE ON THE RISE

The overall average for the 2021 environmental performance by Green Marine participants is once again at 3.0. This slim but solid overall improvement was achieved in the context of a larger participating membership, a broader scope of addressed issues, and tougher requirements. For 2021, 164 summary report forms were submitted and a total of 976 performance levels were reported.



GREEN MARINE 2021 RESULTS CONSTANT AND CONTINUAL IMPROVEMENT

The 2021 self-evaluation results demonstrate the program's success to advance the marine industry's environmental excellence. The upward curves for the light blue and yellow lines are a tangible sign that Green Marine participants improve their performance year over year, as they illustrate the increasing number of participants reaching higher levels. The participants' individual results are published in the annual report.



2021 HIGHLIGHTS



Shipyards are the category with the biggest growth and most improvement!



More than half of the participating ship owners have an average at or above Level 3.



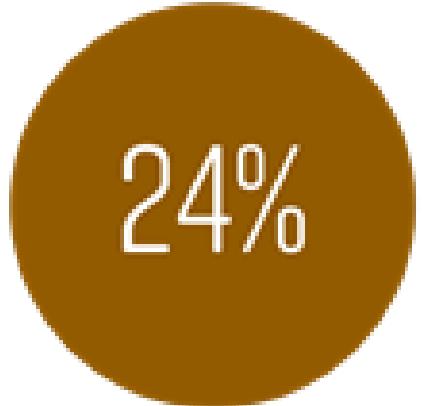
The Canadian St. Lawrence Seaway reduced its carbon emissions by 69% compared to 2005 levels.

80%



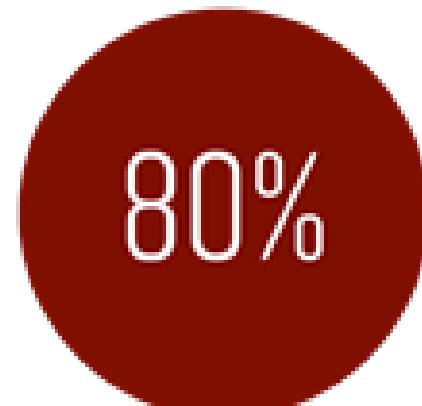
For environmental leadership, the vast majority of the ports obtained Level 3 or higher.

24%



The biggest overall improvement in 2021 related to the **waste management performance** indicator that applies to all participants.

80%



Almost a quarter of the ports are conducting a **port-wide inventory of greenhouse gas emissions**.



PORT WINDSOR TO HANDLE OVER ONE-MILLION TONNES OF GRAVEL FOR EV BATTERY PLANT

RUSTY THOMSON CJBK 1290

The construction of the new \$5-billion electric vehicle battery plant in Windsor is resulting in some unprecedented activity through Port Windsor. The Windsor Port Authority has announced that the docks of Port Windsor will handle the delivery of more than one million tonnes of aggregate, or crushed stone, to prepare the battery plant site for construction. The one million tonnes will require more than 50 marine deliveries across the Great Lakes, from four different quarries in Michigan, Ontario, and Ohio, to supply the aggregate to the battery plant construction site in the Twin Oaks Industrial Park.

U.S. Coast Guard proposes 2023 Great Lakes pilotage rates

By: AJOT | Sep 08 2022 at 12:55 AM | [Maritime](#) | [Ports & Terminals](#)

On August 30th, the U.S. Coast Guard (USCG) published a Notice of Proposed Rulemaking (NPRM) in the Federal Register outlining pilotage rates for the U.S. Great Lakes pilotage system for the 2023 shipping season. The Coast Guard proposes to increase the overall cost of U.S. Great Lakes pilotage in 2023 - an increase of \$4.535 million. This 14% increase is attributed to inflation and the addition of four new pilots. The Coast Guard will be increasing individual pilot compensation from the current level of \$399,266 annually to a new high of \$422,336 annually.

The recent history of pilotage cost increases is detailed below (year/pilot #s/total est cost/% over prior year)

2014 / 36 / \$12,889,868

2015 / 36 / \$15,451,455 / +20% over 2014

2016 / 37 / \$19,103,678 / +24% over 2015

2017 / 45 / \$22,326,381 / +14% over 2016

2018 / 49 / \$25,156,442 / +12.7% over 2017

2019 / 51 / \$27,988,185 / +11.3% over 2018

2020 / 52 / \$28,268,030 / +1% over 2019

2021 / 55 / \$30,332,652 / +4% over 2020

2022 / 56 / \$32,486,995 / +12% over 2021

2023 / 55 / \$37,022,395 / +14% over 2022