

GREAT LAKES ST. LAWRENCE SEAWAY DEVELOPMENT CORPORATION (GLS)

Growing the Seaway System in the Climate Era A Green Shipping Vision Going Forward

American Association of Port Authorities (AAPA) July 2023 Environment Committee Meeting

> Adam Tindall-Schlicht Administrator

Administrator's Vision: Advance System Growth

- Utilize full Seaway capacity
- Support port-led infrastructure investment
- Diversify cargoes and expand cruising within the System
- Broaden Seaway services through infrastructure renewal
- Promote sustainability and green shipping within the Great Lakes supply chain





What is the GLS?

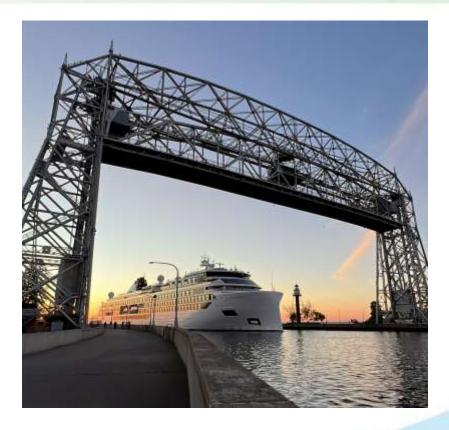
- A wholly owned Government Corporation
- An Operating Administration of the U.S. Department of Transportation *(Washington, D.C.)*
- Operates and maintains the U.S. portion of the St. Lawrence Seaway between Montreal and Lake Erie (Massena, N.Y.)
 - Maintain and Operate Two U.S. Seaway Locks (Eisenhower and Snell)
 - Vessel Traffic Control
 - Trade Development
- Binational management with the Canadian St. Lawrence Seaway Management Corporation (SLSMC)





Green Shipping Corridor Network (GSCN)

- U.S. and Canada joint announcement at COP27
- First GSCN Collaborative Forum held on April 4, 2023, in Chicago
- APEC Transport Ministerial held in May 2023, in Detroit
- Sec. Buttigieg at G-7: GSCN is "key to cutting emissions reductions" in June 2023, in Japan
- Working Groups established
 - Performance Management (Meeting Date: Aug. 29, D.C.)
 - Fuel Solutions (Meeting Date: Sept. 7, Montreal)
- Second Collaborative Forum to be held (TBD)
- Ongoing collaboration with Blue Sky Maritime Coalition, Green Marine, maritime industry, ports, and more





1st GSCN Report Issued, Publicly Available

Goals:

- Create a common body of knowledge
- Introduce stakeholders to Green Shipping, decarbonization
- Explore physical and operational issues
- Establish working groups for solutions and near-term goals

Key findings:

- Need to examine supply chain fluidity and data tracking baseline, including fleet management, cargo flow, and greenhouse gas emissions
- Need to examine multiple fuel solution and decarbonization avenues, including transition and long-term alternatives





The Great Lakes - St. Lawrence Seaway System Le réseau Grands Lacs - Voie maritime du Saint-Laurent

SUMMARY REPORT Green Shipping Corridor Network (GSCN) Collaborative Forum April 4, 2023 // Chicago, Illinois

On Turaday, April 4, 2023, the U.S. Great Lakes St. Lawrence Seaway Development Corporation (GLS) and the Canadian St. Lawrence Seaway Management Corporation (SLSMC) co-boned the first-ever Collaborative Forum on establishing a Green Shipping Corridor Network. (GSCN) on the Great Lakes St. Lawrence Seaway System. The Forum was held at the Crowne Place Hood in Reservort, III., adjacent to Chicago O'Hare International Aspost.

At the COP 27 Usined Nations Climate Change Conference in November 2022, the U.S. and Canada youtly announced their intention to facilitate the davelopment of a GSCN on the Great Lakes Seaway System is part of the Green Shipping Challenge ¹ Since then, U.S. and Canadian federal agencies have coordinated with state, provincial, local, private-sector, non-governmental, and indigenous peoples' organizations to begin that process. This effort builds on the work established by the "Joint Statement by the U.S. Department of Transportation and Transport Canada on the Nexus between Transportation and Climate Change" released in February 2021.

The April 4 Forum had four primary goals:

- Create a common body of knowledge to identify opportunities for voluntary collaboration efforts and implementation strategies, based on the best available science and technology;
- Introduce to stakeholders the key personnel with direct oversight on the Great Laken Seaway System and shipping policy;
- 3. Explore the physical and operational issues affecting GSCN development; and
- Establish working groups for stakeholders to participate and collaborate to explore future solutions and near-term goals.

Nearly 100 individuals attended the Forum, including U.S. and Canadian officials from the U.S. Department of Transportation, U.S. Department of State, U.S. Coast Giand, U.S. Department of Energy, U.S. Environmental Protection Agoncy, Transport Canada, and the provincial Government of Quebec: U.S. system stakeholders were also well represented, including the American Great Lakes Ports Association, the Lake Carriers Association, along with the Canadian Chamber of Marine Commerce and the international environmental certification organization Green Marine.

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An Emerging Roadmap for the GSCN

Define the GSCN Performance Baseline

- Greenhouse gas emissions, fuel consumption, energy efficiency
- Ballast water management, waste management
- Renewable energy, economic productivity

• Define the GSCN Stakeholder Network

• Vessel owners, shippers, ports, government, non-profit, etc.

• Define GSCN Results

- Transition vessels, improve energy efficiency
- Increase GSCN freight
- Establish hydrogen hubs, integrate renewal energies
- Define policies, regulations, and incentives
- Community outreach





Questions and Follow Up



www.greatlakesseaway.com

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