



# Great Lakes St. Lawrence Seaway Development Corp

# GLS







# What is the GLS?

Created by Congress in 1954

Responsible for the operations and maintenance of the U.S. portion of the St. Lawrence Seaway between Montreal and Lake Erie.

Mission is to serve the marine transportation industry by providing a safe, reliable, and competitive deep draft waterway, in cooperation with the Canadian St. Lawrence Seaway Management Corporation (SLSMC).



# Primary Responsibilities

**Operate and maintain the U.S.  
Seaway locks and waterway**

**Maintain joint ownership  
of the Seaway International  
Bridge**

**Promote trade and  
economic development  
throughout the Great Lakes**

**...do so in partnership with  
our Canadian counterparts**



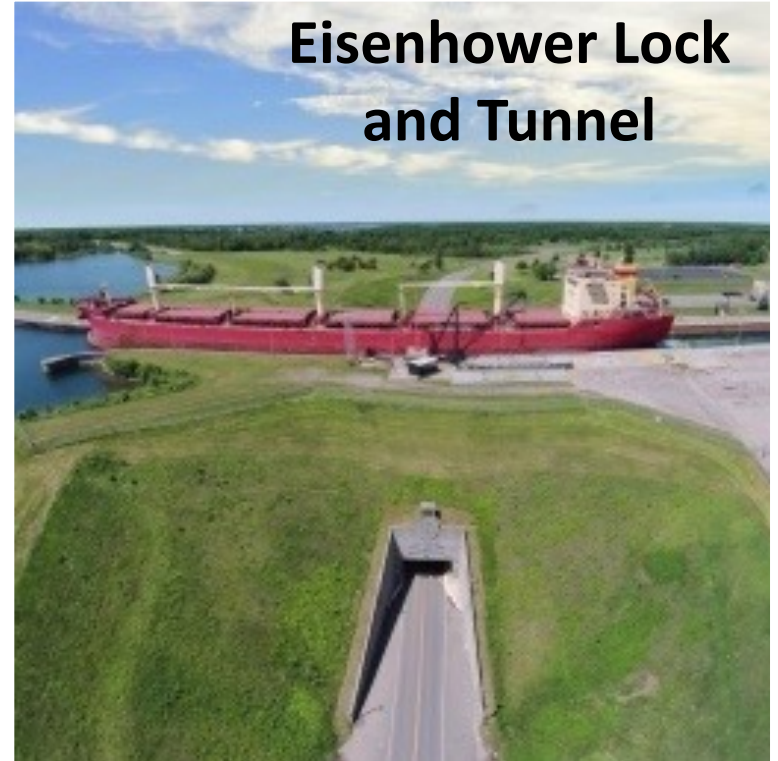


# Primary GLS Infrastructure

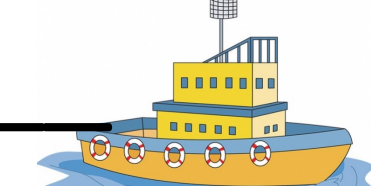
**Snell Lock**



**Eisenhower Lock  
and Tunnel**

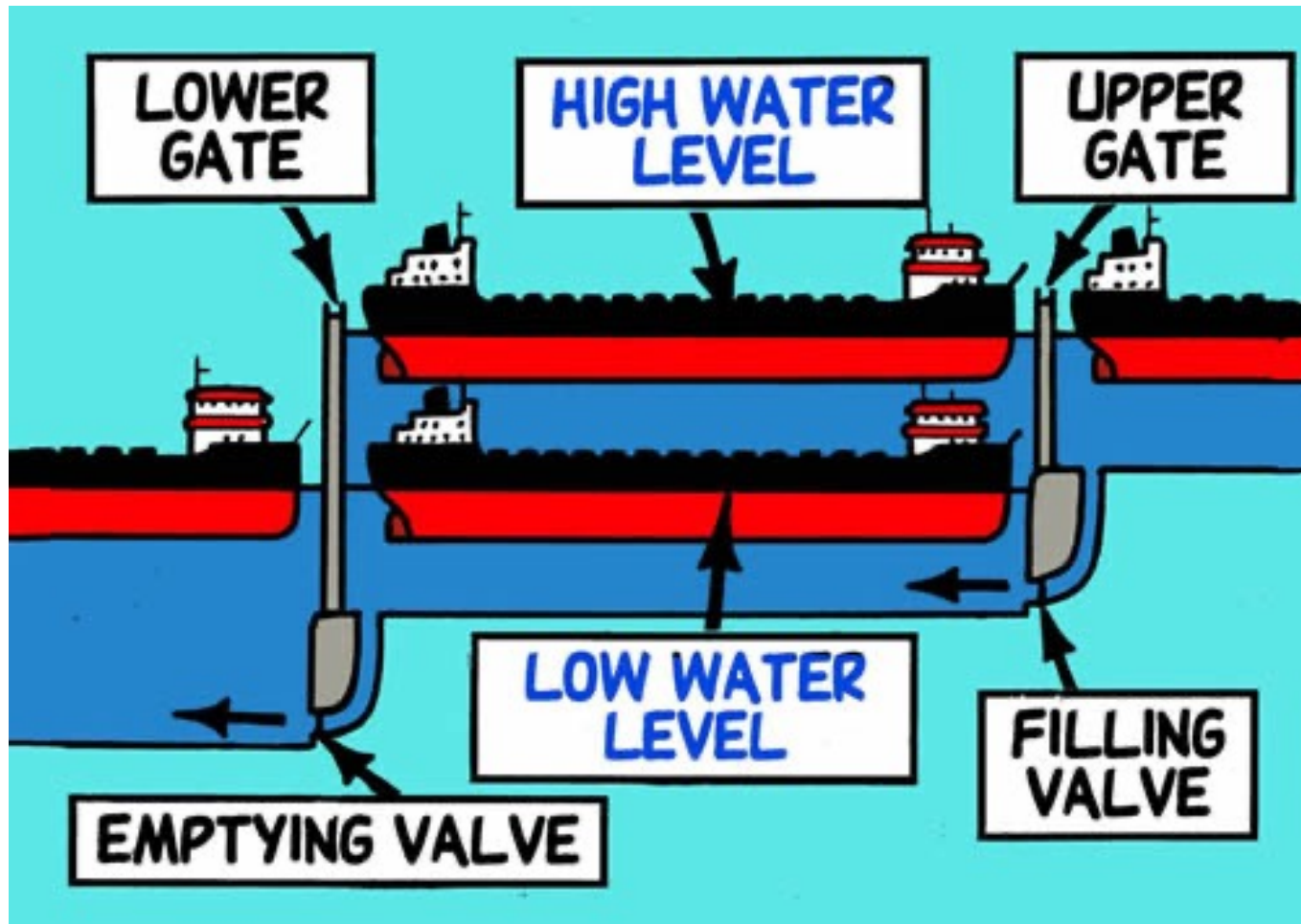


**Seaway International Bridge**





# The Power of Gravity





# Hands Free Mooring

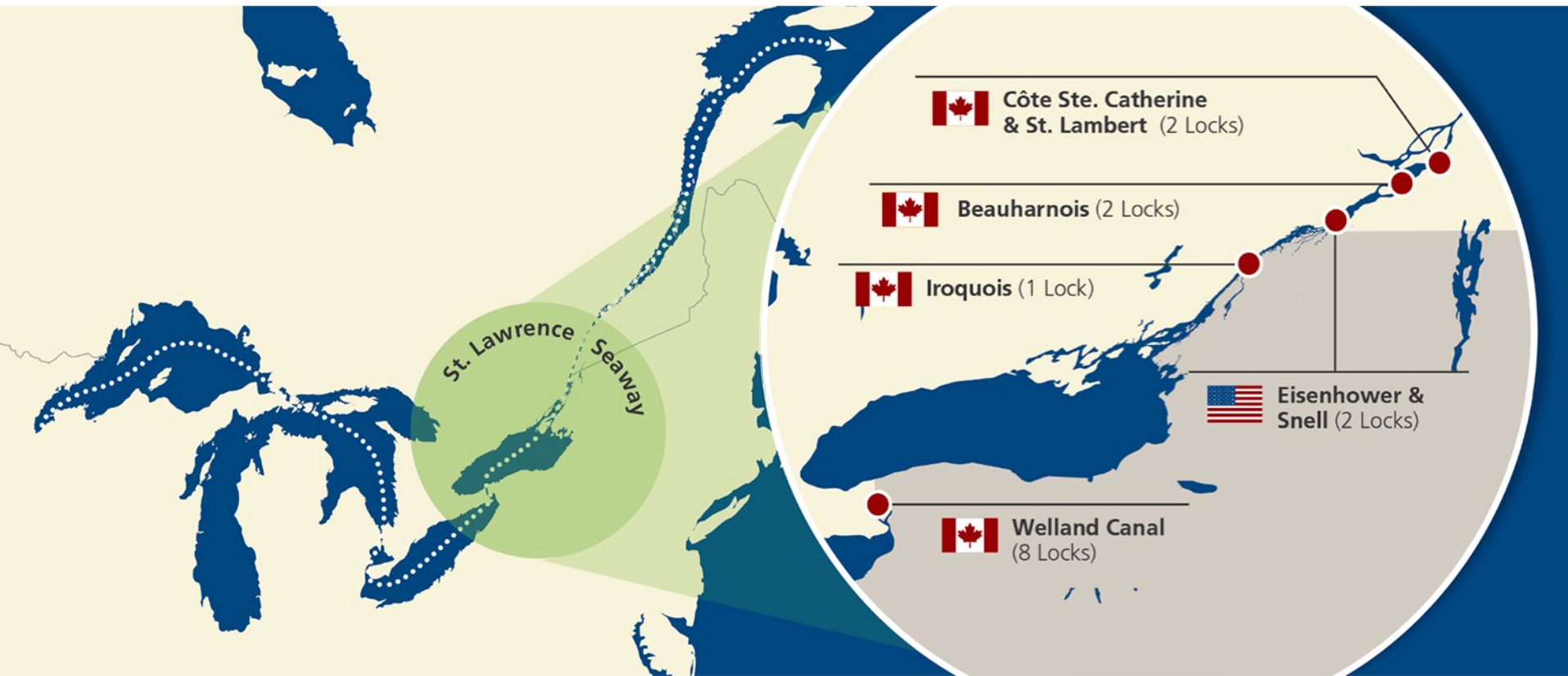
**Improves safety by eliminating traditional linehandling.**

**Reduces transit time per Seaway lock by approx. 5-7 minutes each way or 3-4 hours for a roundtrip Seaway voyage.**

**Increases ten-fold the number of commercial ships capable of transiting the Seaway.**



# Navigation



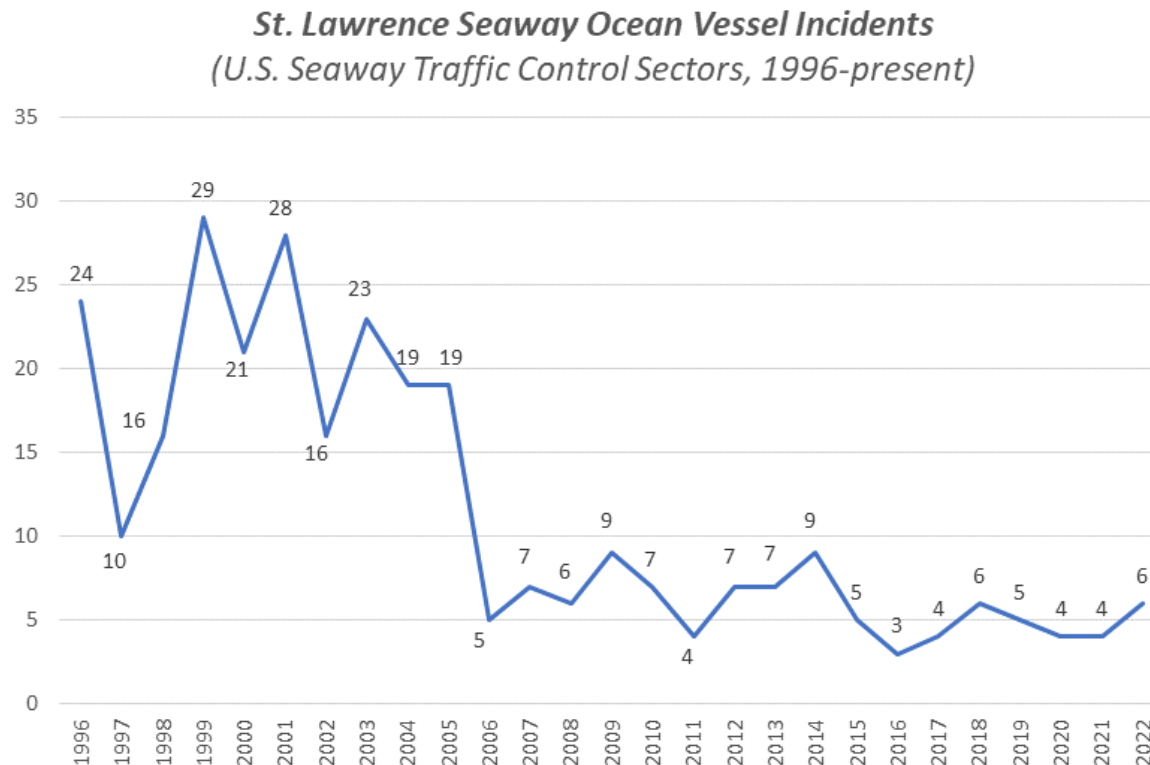


# Environmental Protection



# Navigation Safety – Results

Over the last 25+ years, the average number of foreign-flag vessel incidents in the Seaway has decreased significantly.



1996-2008 – avg. of 17 per year

2009-2022 – avg. of 6 per year



# Ballast Water Discharge

- **Since 2006, ballast water management requirements in the Great Lakes and Seaway system have been the most stringent in the world.**
- **In 2022, 100% of vessels bound for the Great Lakes Seaway from outside the Exclusive Economic Zone (EEZ) received ballast management exams on Seaway transit.**
- **In total, all 10,239 ballast tanks were assessed during the 521 vessel transits.**
- **The Seaway regulations have dramatically decreased the risk of aquatic invasive species introductions by vessels transiting the Seaway**

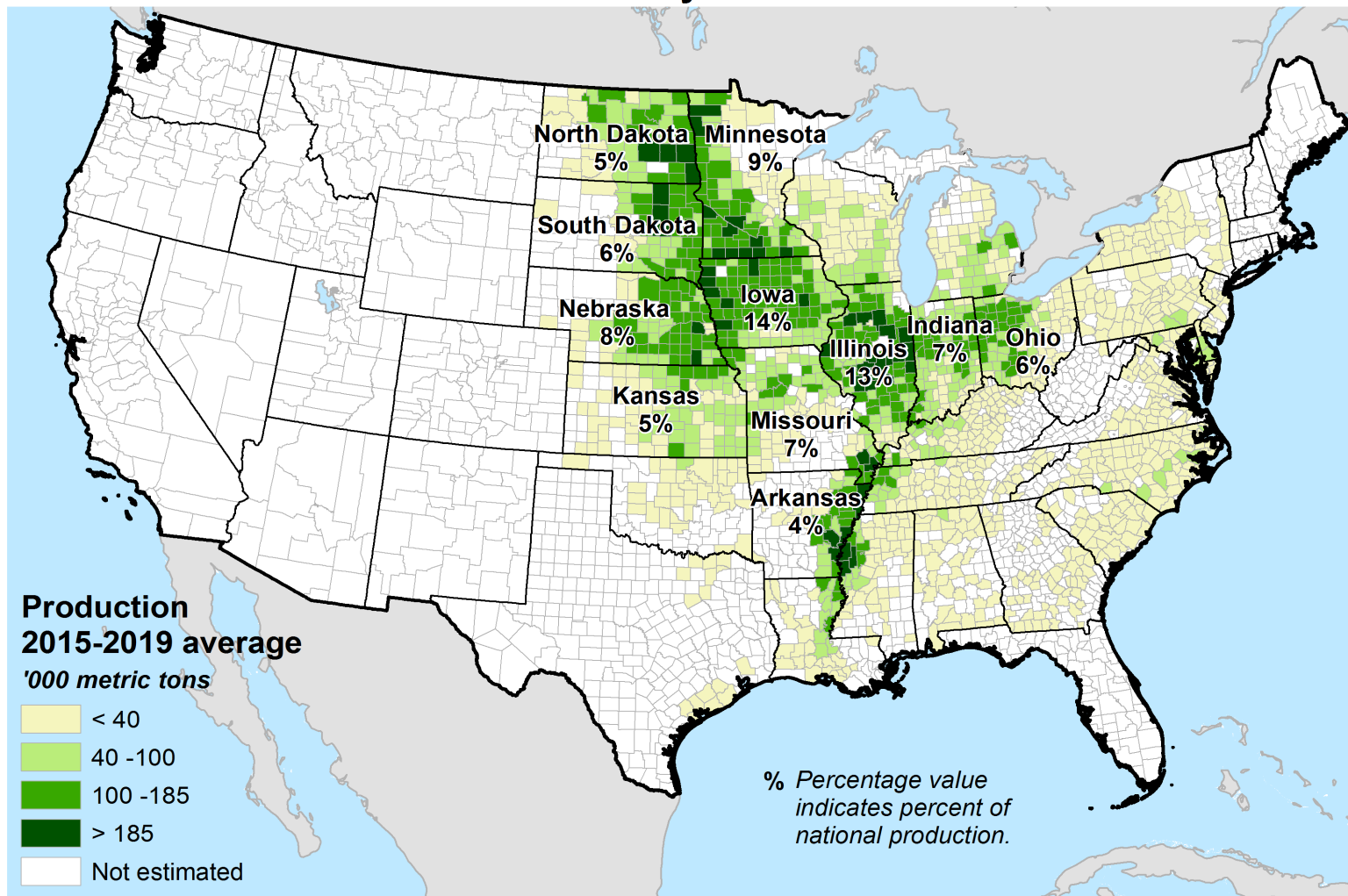
# Trade Development t





# THE SEAWAY SYSTEM

## United States: Soybean Production



**USDA** Foreign Agricultural Service  
Global Market Analysis  
International Production Assessment Division

Source: U.S. Department of Agriculture,  
National Agricultural Statistics Service

# Supply Chain Resiliency

## Seaway Tonnage Results (2012-2022)

*(in millions of metric tons)*







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## Cost and Environmental Benefits

Great Lakes Seaway shipping \$4 billion in annual transportation cost savings.

The Great Lakes/Seaway fleet is nearly 7 times more fuel-efficient than trucks and 1.14 times more fuel-efficient than rail.

Great Lakes Seaway vessels move the equivalent of 3 million railcars or 7.1 million trucks.

