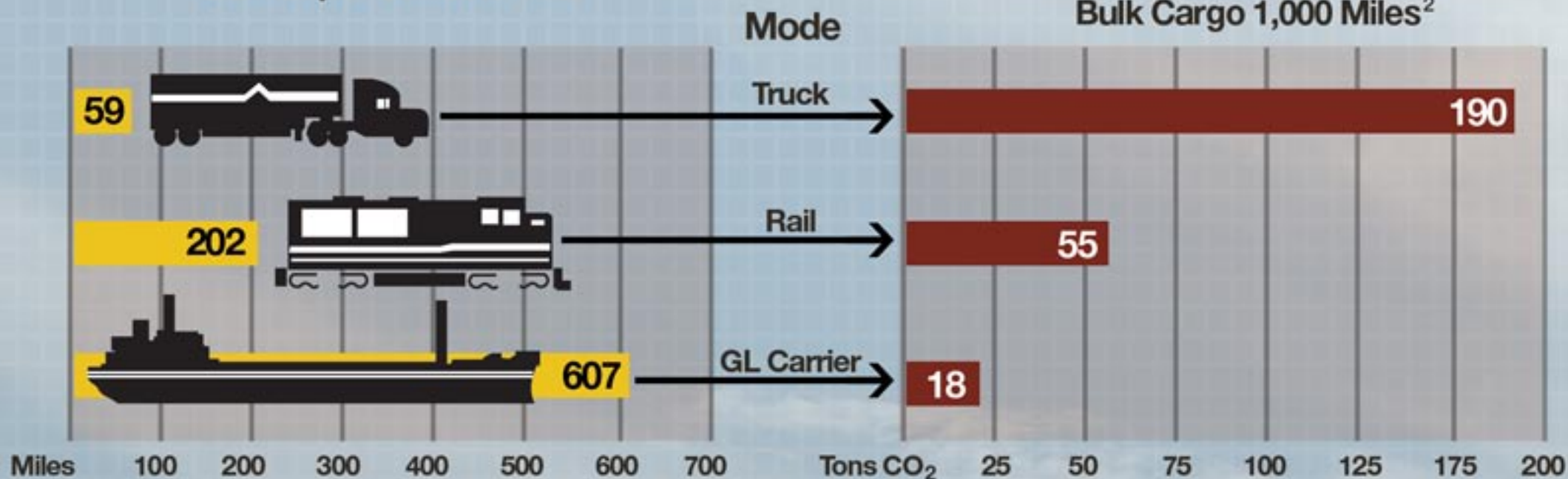


# Fuel Efficiency and Environmental Impact Great Lakes Navigation

Miles One Ton of Cargo can be  
Carried per Gallon of Fuel<sup>1</sup>

Tons of Carbon Dioxide (CO<sub>2</sub>)  
Produced to Transport 1,000 Tons of  
Bulk Cargo 1,000 Miles<sup>2</sup>



1. Source: USDOT Maritime Administration and Minnesota Department of Transportation

2. Assumes US DOE Fuel and Energy Emission Coefficient of 22.38 lbs of CO<sub>2</sub> per gallon (No. 1,2,4 Fuel Oils and Diesel)