

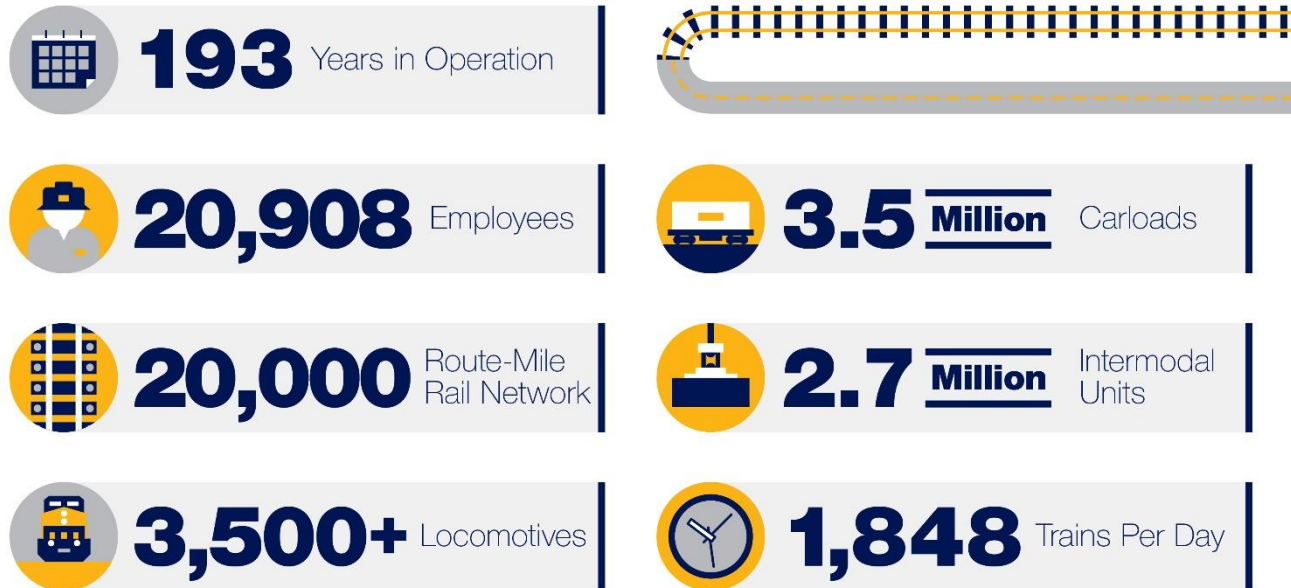


Reducing carbon emissions  
from intermodal operations

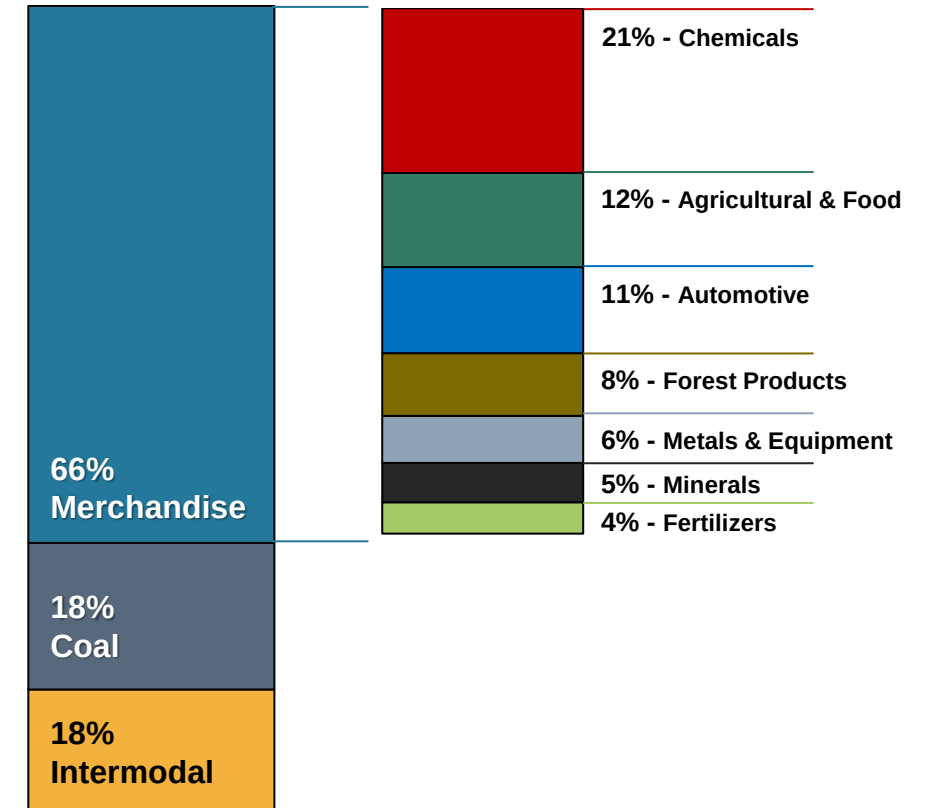


# CSX at a Glance

## Company Profile



## Business Mix

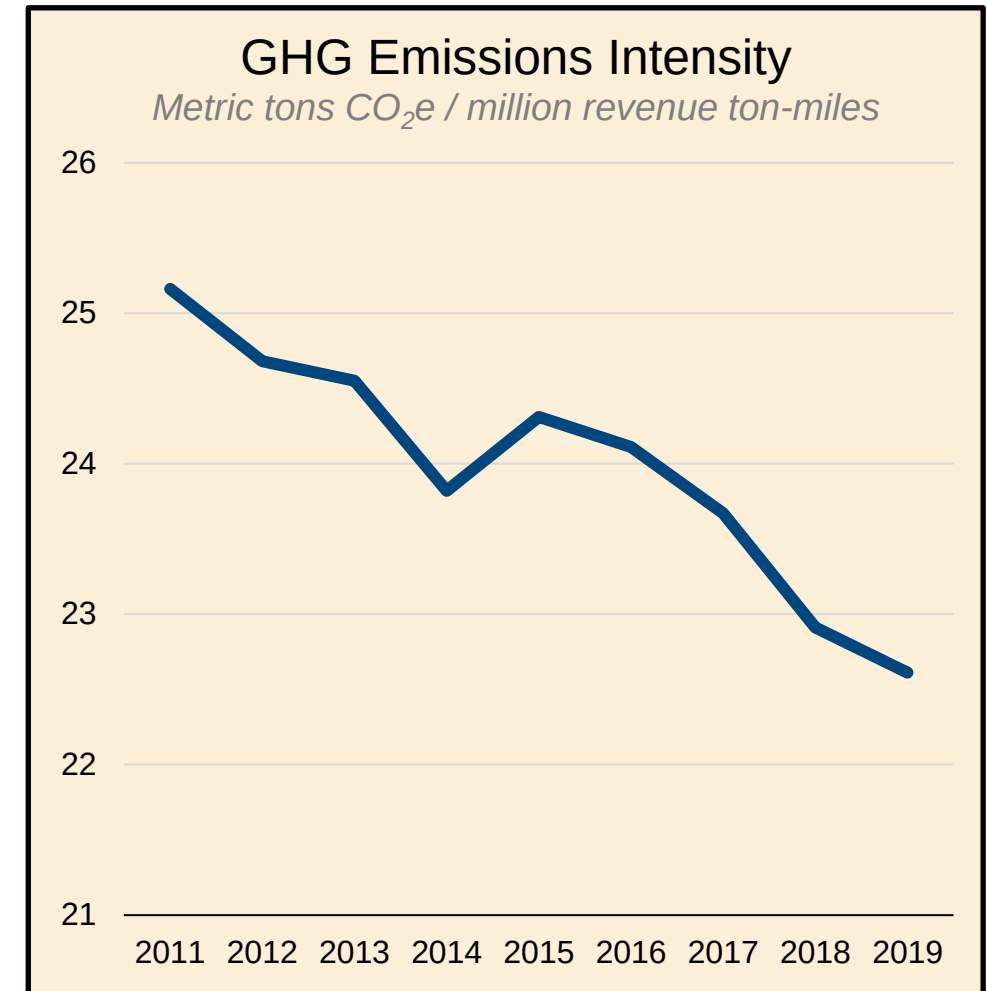


# Remain Committed to Further Improving Emissions Profile

- CSX is setting ambitious long-term GHG emissions goals
  - Targeting 37% GHG Emissions Intensity Reduction by 2030<sup>1</sup>
  - First U.S. Class I railroad target approved by Science Based Targets initiative
- Target to be achieved through combination of operational improvements and technology investment

## Key Initiatives to Achieve this Target:

| Operations                                                                                                                                                       | Management                                                                                                                                                                            | Technology                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>■ Continue reducing asset intensity</li><li>■ Reduce dwell time and idling</li><li>■ Eliminate unnecessary stops</li></ul> | <ul style="list-style-type: none"><li>■ Dedicated fuel conservation desk</li><li>■ Strict scrutiny of practices to eliminate waste</li><li>■ Company culture of improvement</li></ul> | <ul style="list-style-type: none"><li>■ Trip Optimizer</li><li>■ Wi-tronix remote fuel monitoring</li><li>■ Automatic engine start-stop</li><li>■ Meet Pass Plan technology</li></ul> |



# CSX INTERMODAL XGATE



- Prior gate process was labor intensive
- XGate process removes manual touchpoints
- XGate has increase driver velocity and flexibility

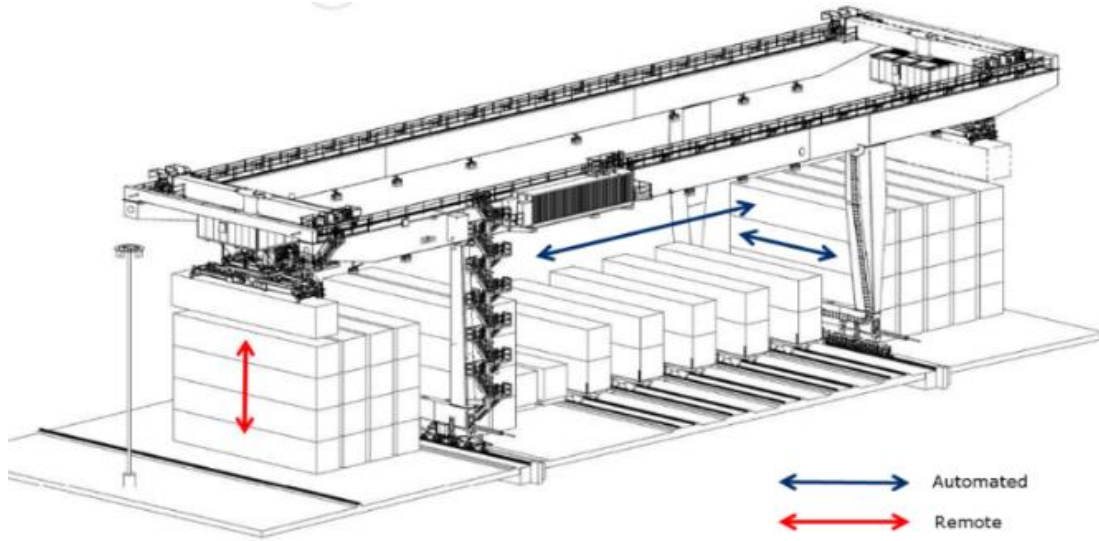
# XGATE CAMERAL PORTALS

- Developed and supported by CSX
- Provides inspection and validation
- Enables search for images across 21 sites
- Allows customers to retrieve images through ShipCSX
- Centralizes gate processing





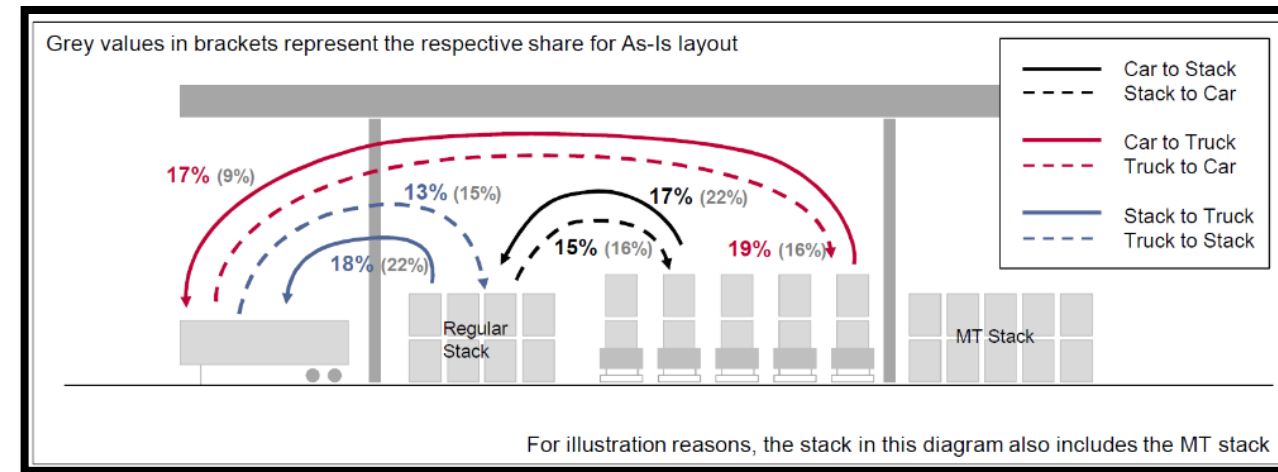
# PROCESS AUTOMATION



- Traffic control chooses next optimal move
- Equipment chooses optimal path
- 70% crane cycle becomes fully automated
- Crane idle time significantly reduced
- Many new technologies directly transferable to conventional terminals

# SYSTEMS AUTOMATION

- Increased capacity, productivity, and throughput
- More work done at non-peak hours (peak shaving)
- Reduced wasteful moves by up to 80%
- Integrated with commercial prioritization systems
- Maximized railcar utilization
- Reduced capital expenditures



# CSX INTERMODAL TERMINAL CONFIGURATION

- Conventional terminals

- Extensive horizontal transport, expense, and poor use of space
- Poor process integration



- Modern terminals

- Decouple processes, minimize horizontal transport, efficient use of space
- Multiple processes combined under widespan lift equipment







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