

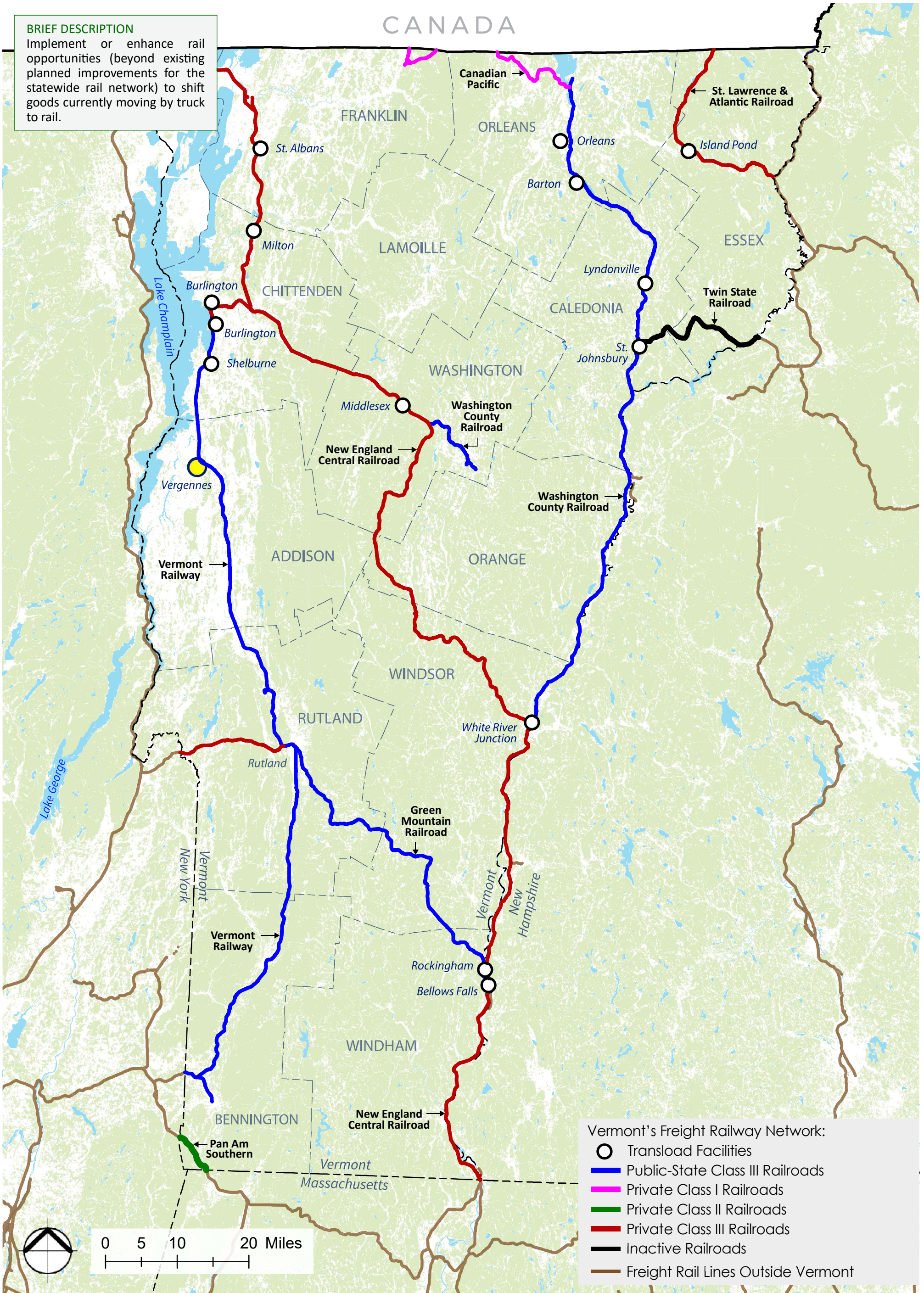
OTHER FREIGHT MODES

RAIL MODE OPTIONS

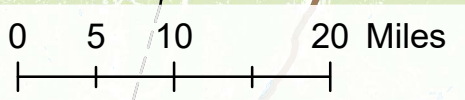
VERGENNES PLANNING AND ENVIRONMENT LINKAGES (PEL) STUDY

BRIEF DESCRIPTION

Implement or enhance rail opportunities (beyond existing planned improvements for the statewide rail network) to shift goods currently moving by truck to rail.



CANADA



Vermont's Freight Railway Network:

- Transload Facilities
- Public-State Class III Railroads
- Private Class I Railroads
- Private Class II Railroads
- Private Class III Railroads
- Inactive Railroads
- Freight Rail Lines Outside Vermont

OTHER FREIGHT MODES

WATER MODE OPTIONS

VERGENNES PLANNING AND ENVIRONMENT LINKAGES (PEL) STUDY

CANADA

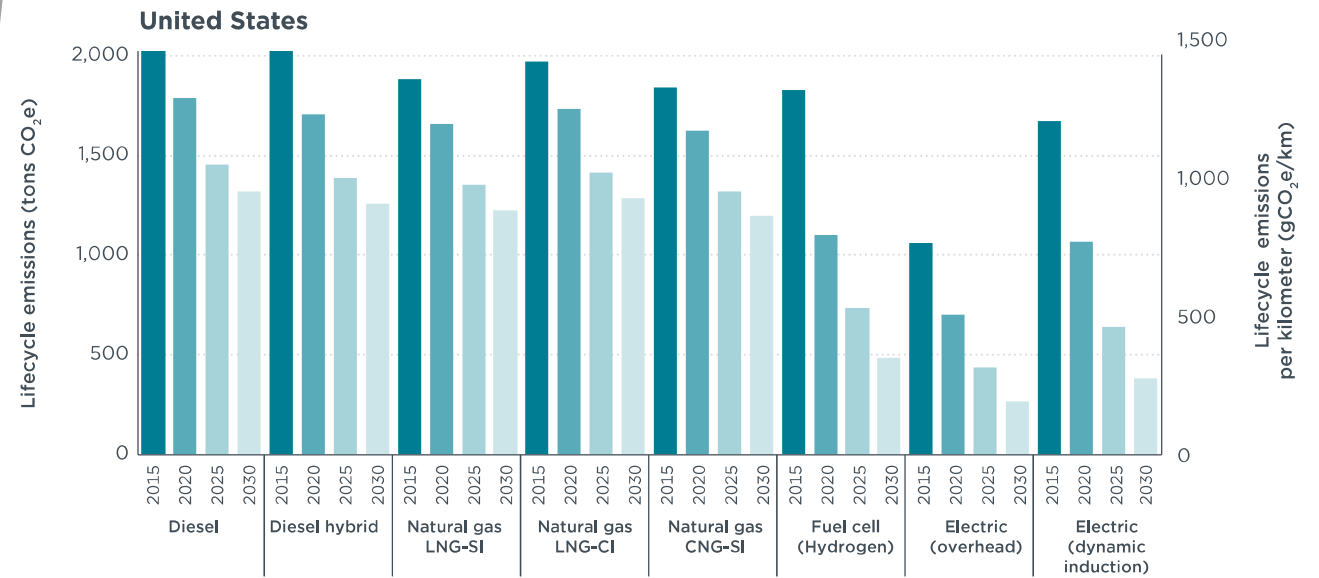
BRIEF DESCRIPTION

Implement or enhance waterborne opportunities to shift goods currently moving by truck to barge.



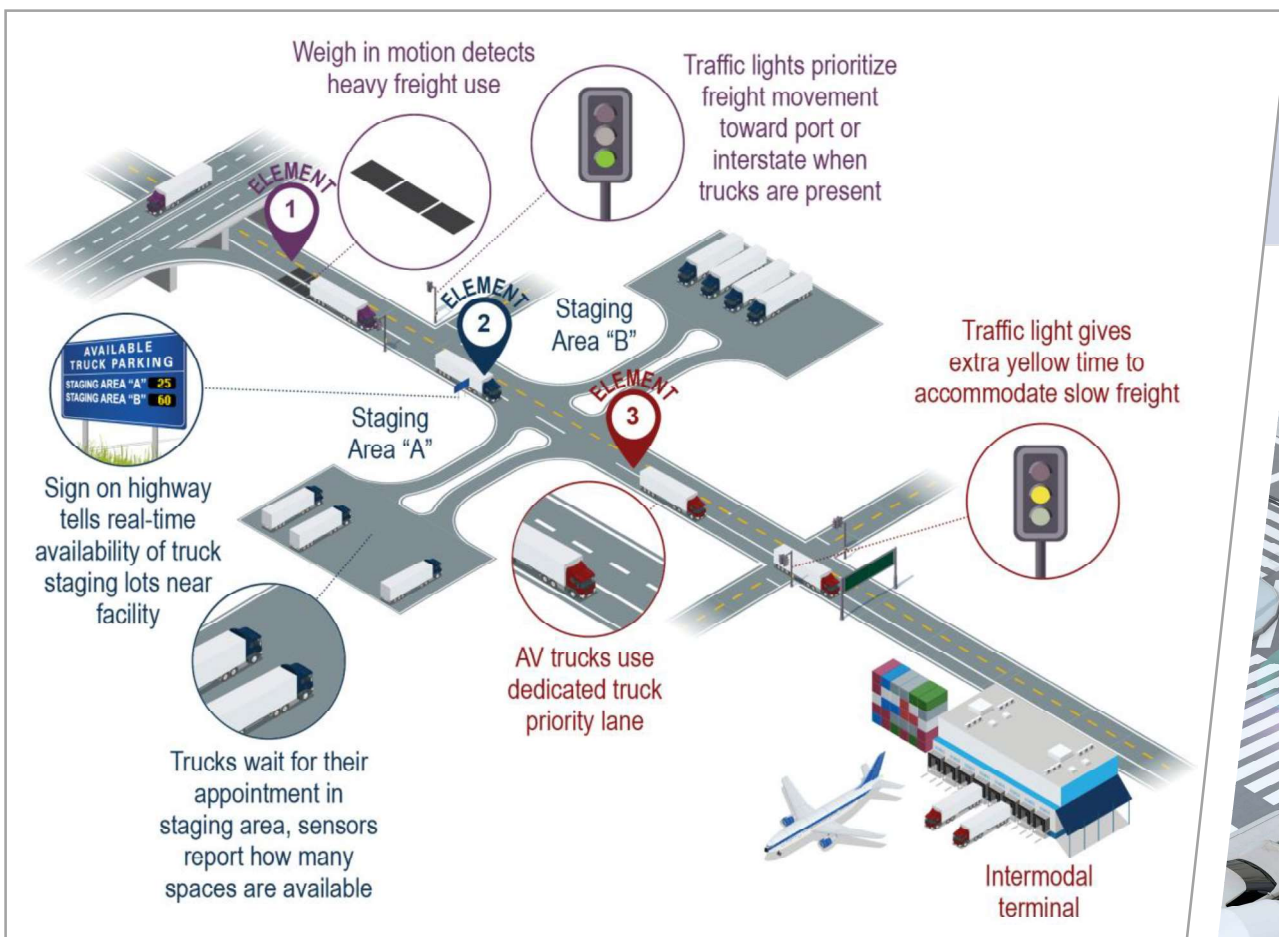
Utilize new technology like electric and automated vehicles that communicate with each other, traffic signals, and roadside infrastructure to reduce the safety and emissions impacts of large trucks as they pass through Vergennes

Lifecycle Greenhouse Gas Emissions for Long-Haul Heavy-Duty Trucks



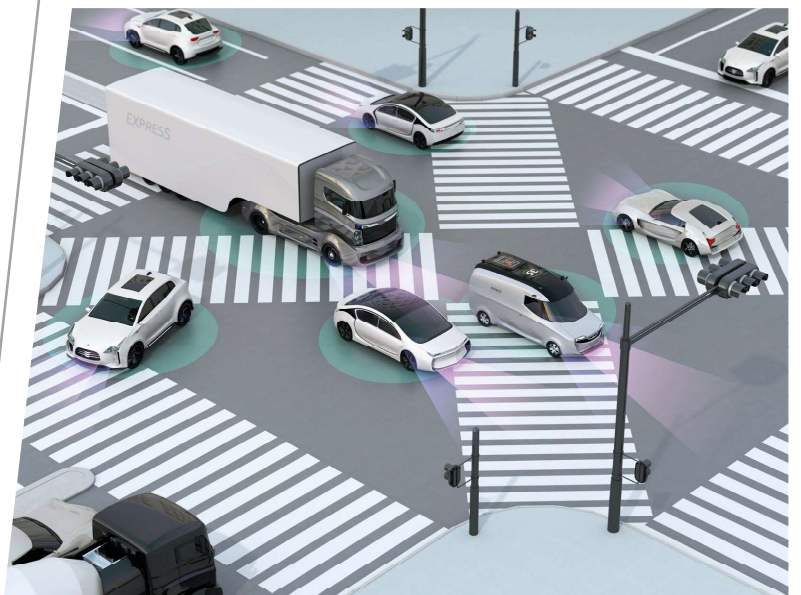
Lifecycle Greenhouse Gas Emissions in Carbon Dioxide Equivalents (CO₂e) for Long-Haul Heavy-Duty Trucks by Vehicle Technology Type

Source - White Paper Published by the International Council on Clean Transportation



Source - Texas Department of Transportation

Smart Freight Technology Examples



Source - USDOT



Source - California Air Resources Board



Source - Wisconsin Clean Cities