



# Southeastern Team Reducing the Impact of Diesel Emissions

GOAL: Improve air quality and public health by reducing emissions from existing diesel engines





# STRIDE Collaborative

- **Voluntary public and private partnership** formed in 2006, focused on clean diesel opportunities that incorporate environment, energy and economics
- Over 300 **partners** from government, industry, state/local groups
- Focus Based strategy
  - Freight
  - Non-road
  - Public Fleets
- Monthly partner conference calls continuing w/spotlight speakers; committee calls –



# STRIDE Collaborative Partners

- Government
  - Federal, State and local environmental / air quality, transportation, energy and agriculture agencies
- Industry representatives (engines, fuels, retrofit technologies)
- Non-governmental organizations (e.g., economic development, environmental orgs, community groups, academia, etc.)

# STRIDE Strategic Plan



# Focus Area: Freight

- Audience:
  - Distribution Centers
  - Rail yards
  - Marine ports
  - Local truck
  - Long haul truck
  - Transportation Planning Agencies
    - Outcomes:
      - Reduce impact on communities affected by Freight movement
      - More efficient of freight movement
      - Increased availability and usage of alternate fuels
      - Integrate Clean Diesel strategies into Transportation decision making- Freight Plans

# STRIDE and National Clean Diesel Campaign

- Grant Funding through the Diesel Emission Reduction Act (DERA)
- National competitive DERA grants
- State DERA grants
- School Bus rebates
- Tribal grants

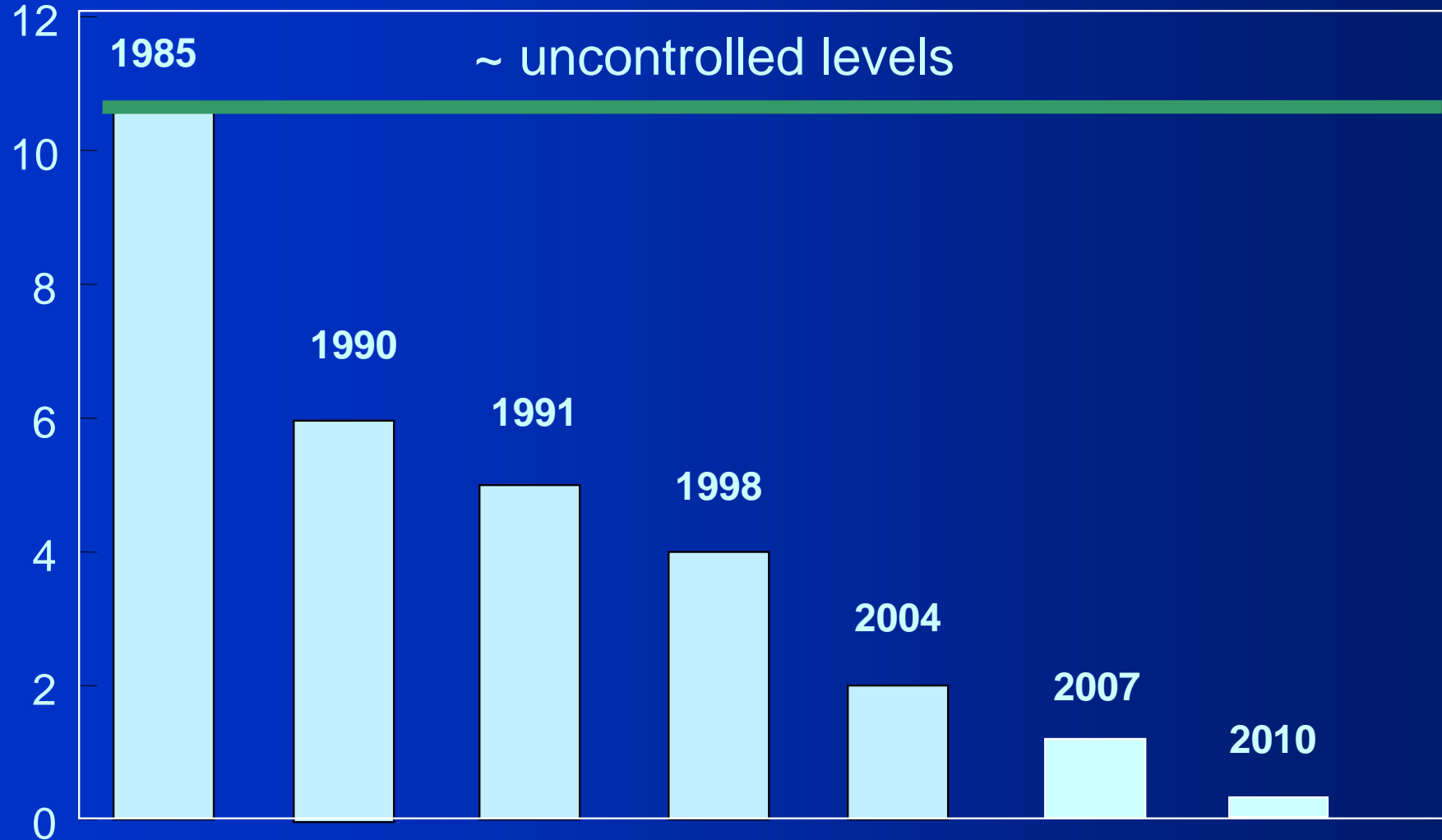
American Association of Port Authorities estimate that seaports support about 23 million U.S. jobs and 26% of U.S. Gross Domestic Product.



Source: *The State of Freight*, American Association of Port Authorities (2015).

# Highway Diesel NOx Standards

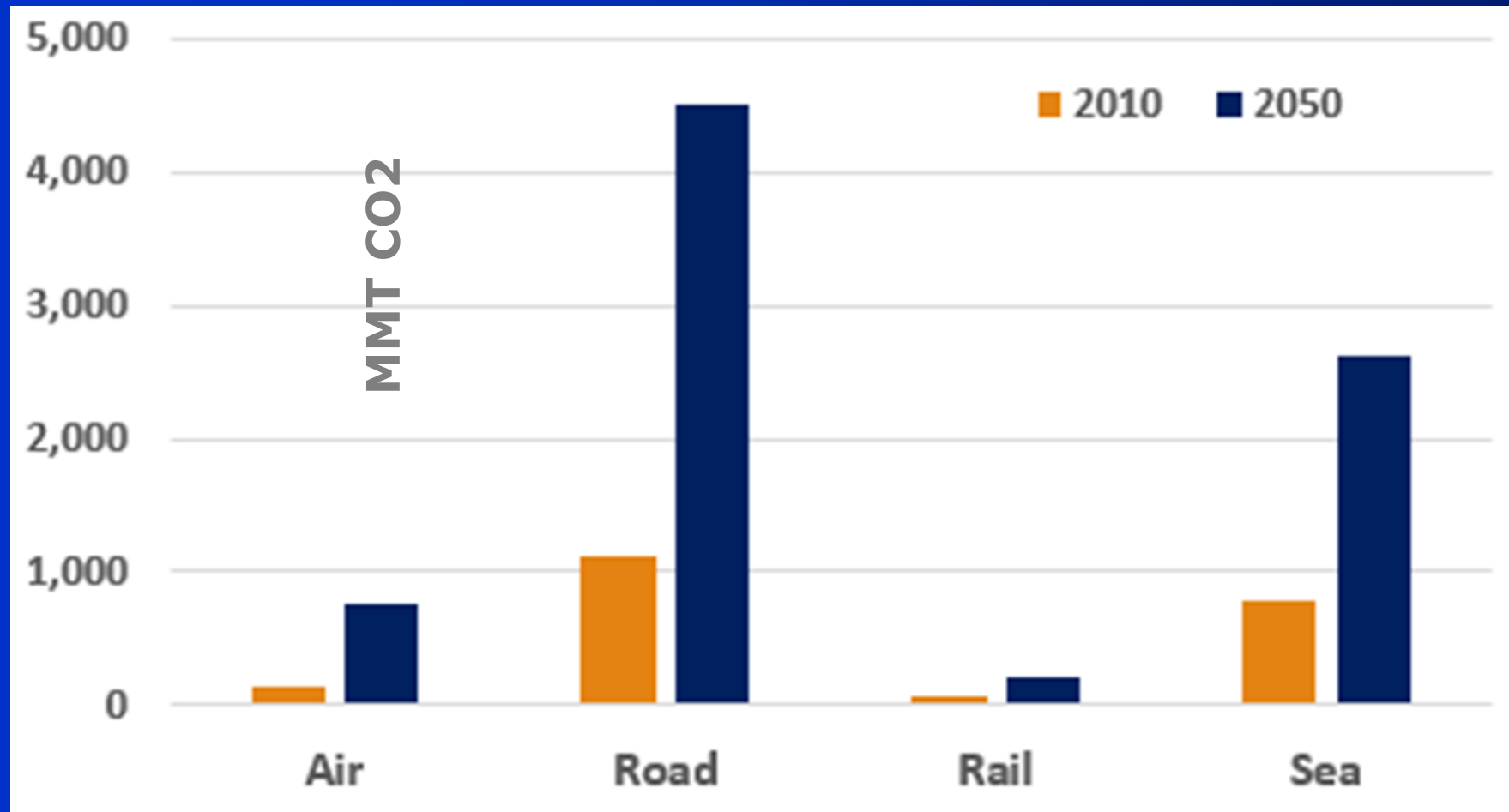
grams per hp-hour





# TRUCKING IS A SIGNIFICANT DRIVER

## Global Growth by Transport Mode



# STRIDE and Green Corridors

- Idle Reduction and biodiesel availability along interstate highways
- Working closely with SE Environmental Commissioners, exploring regional opportunities
- FHWA Alt Fuel Corridor Designations
- Clean Cities Coordination

# The Rules are Changing



# Other Efforts

- Savannah Communities Project
- Port visits
- STRIDE Ports Committee
- National Truck Parking
- State Freight Plans
- Working with Florida Ports Council



# Save Fuel, Money and the Environment with a SmartWay Truck

Since 2004, SmartWay has helped its partners save 248.8 million barrels of oil- equivalent to eliminating annual electricity use in over 16 million homes, or \$33.4 billion in fuel costs



**A SmartWay tractor and trailer annually save 2,000 to 4,000 gallons of fuel and reduce CO2 emissions by up to 20% as compared to similar trucks on the road. Learn more at [www.epa.gov/smartway](http://www.epa.gov/smartway)**



- Market driven partnership that helps businesses:
- Save money
- Stay competitive
- Demonstrate economic and environmental leadership by moving goods in the cleanest most efficient way possible.
- Exchange performance data in ways that contribute to a stronger and more competitive economy and healthier air



# HOW SMARTWAY WORKS

- Companies submit data on freight transportation activity using EPA assessment and tracking tools
- Tools calculate annual carbon footprint along with annual emissions of other air pollutants from transporting goods
- EPA ranks companies by environmental performance
- Recognition for top 1 – 2% environmental performance



# EPA Contacts

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# DERA funded Port Projects 2008-2021

- Port of Miami-Cranes, Shore Power
- Port Everglades-Retrofits/Cranes
- JAXPORT-Retrofits (state DERA)
- Port of Charleston-RTGs, Dray, Biofuel, Locomotive
- Port of Savannah-RTGs, Locomotive Idle, Dray fleets
- Port of Mobile-Locomotives
- Port of Louisville-Tug Repowers