



# Emission Reductions: Where We've Been and Where We're Going



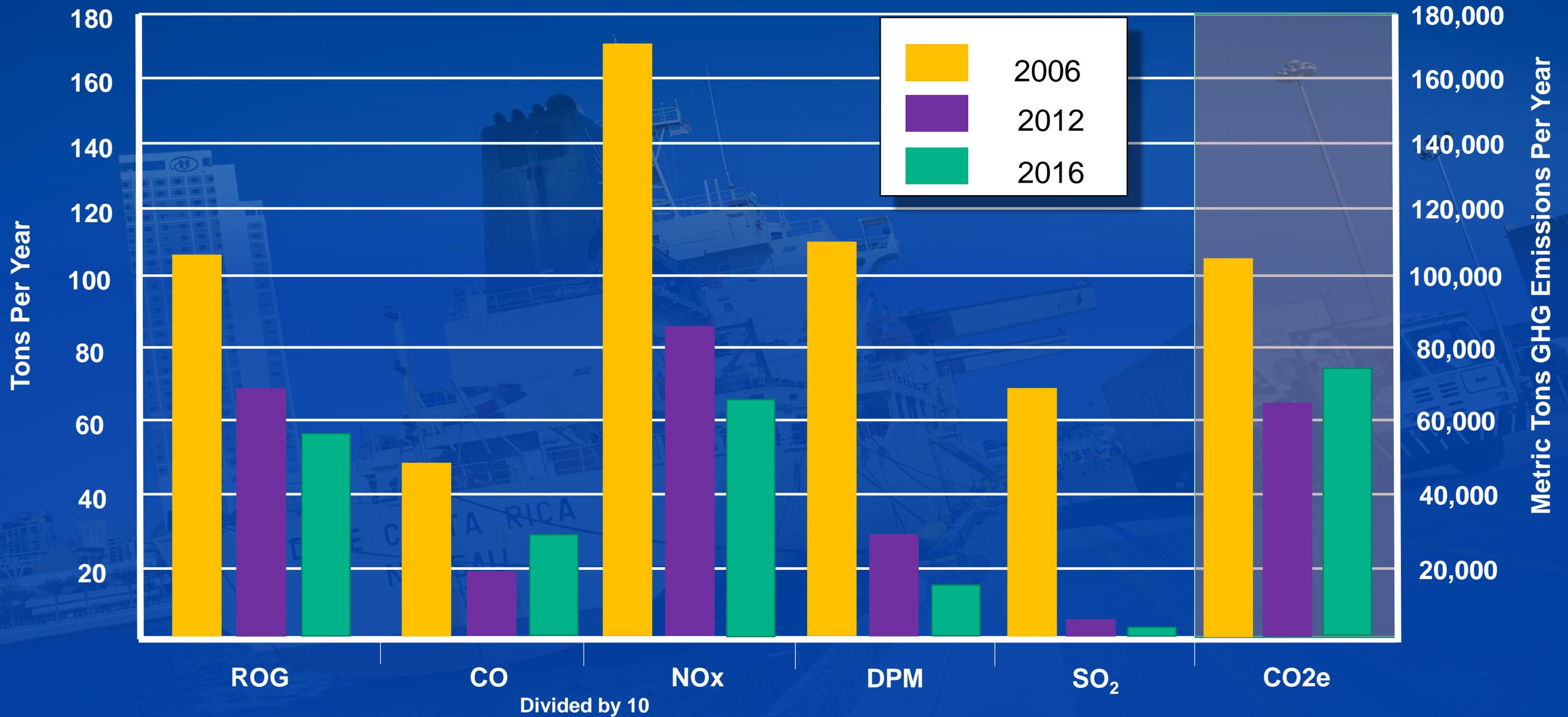
AB 617 Steering Committee  
April 23, 2019

# Maritime Air Emissions Inventory

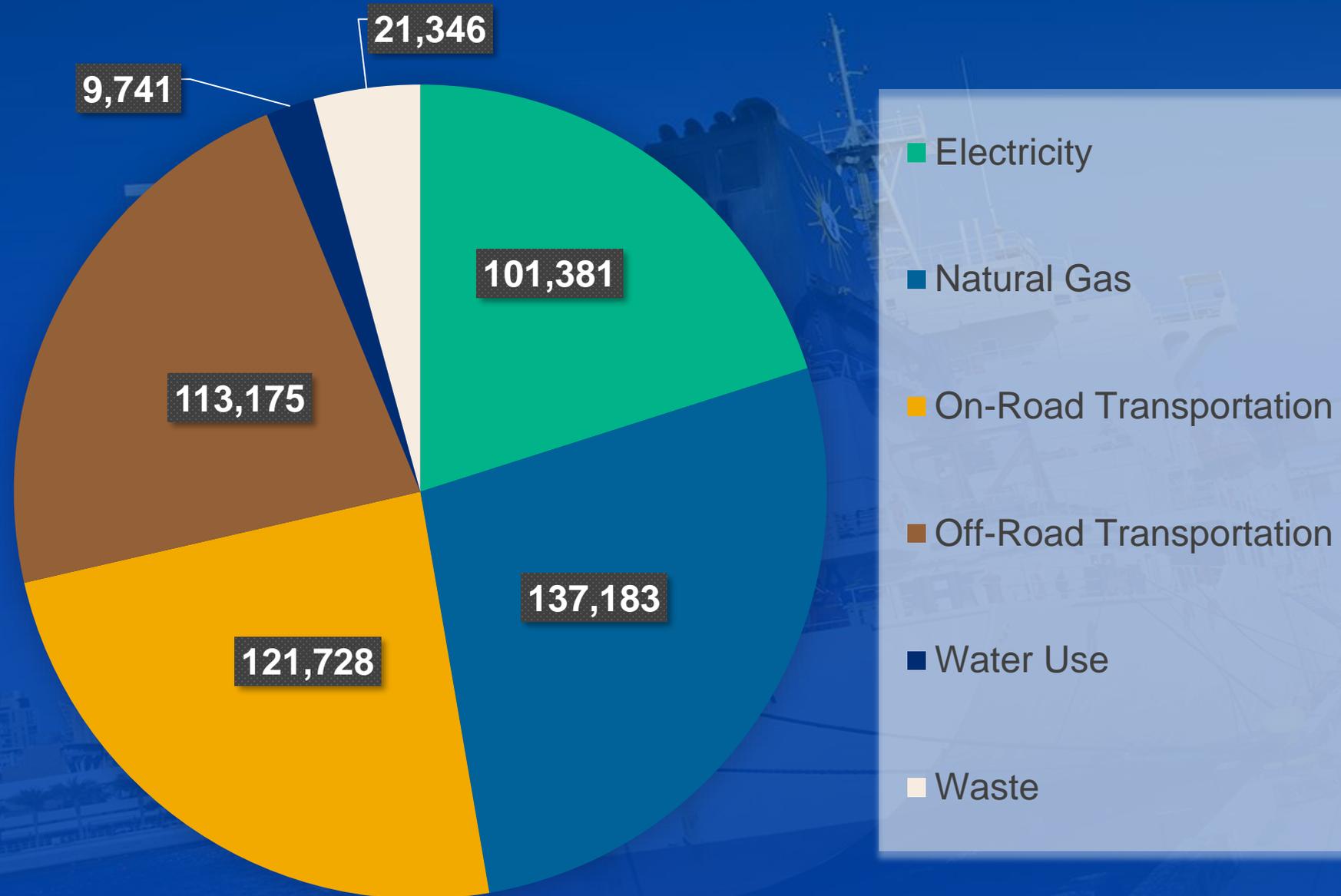
- Tracks emissions dating back to 2006
- Represents the third maritime-related air emissions inventory
- Emissions are estimated based on activities and characteristics of equipment
- Provide comparison and analysis of trends
- Informs the Climate Action Plan

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NASSAU  
IMO 8500335

# Comparison of Results

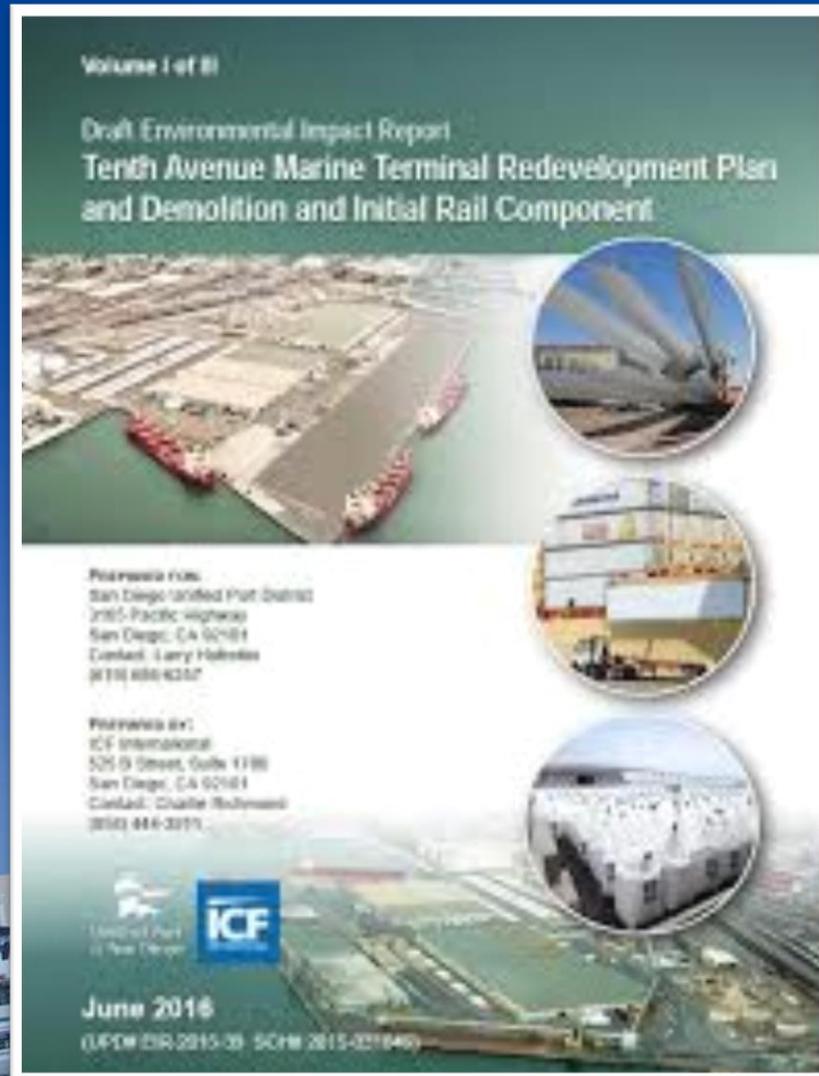


# Port-Wide Greenhouse Gas Emissions



- 47% of Port-wide emissions from transportation-related sources
- 13% of Port-wide emissions from maritime-related sources
- Passenger vehicles are the highest source of transportation emissions

# Tenth Avenue Marine Terminal Program EIR



- BMPs for Diesel Equipment during Operation
- Conveyor System for Dry Bulk with 95% control efficiency
- Vessel Speed Reduction Program
- At-Berth Emission Capture and Control System
- Renewable Energy
- Electric Cargo Handling Equipment Upgrades

# Achievements to Date

- Shore Power
- Clean Truck Program
- Electrification of drayage trucks, forklifts, and yard tractors
- Electrification of refrigerated containers



# Ecosystem of Funding to Support Freight Emission Reduction



~\$200M



\$23M (AB617 + Carl Moyer)



\$150M  
Application pending



\$17.5M

# Next Steps

- Summer 2019:
  - Focus on Increasing Grant Competitiveness
- Long Term:
  - Coordinate with AB617 Steering Committee