

Port of New York and New Jersey Regional Truck Replacement Program

**Committee on Operations
November 19, 2014**



Air Quality Challenge

Background

- **Port operations involve diesel engines**
- **Emissions from diesel combustion impact air quality and contribute to global warming**

Challenge

Accommodate cargo growth – with all the economic benefits that it brings – while protecting and improving the environment, specifically air quality

Response to the Challenge

Developed a Clean Air Strategy for the Port

- **Identified sources, quantified contribution, and identified emission reduction actions for all port-related sources**

Clean Air Strategy – Truck Actions Implemented to Date:

- **Truck Replacement Programs**
 - **429 drayage trucks replaced**
 - **Emission reductions achieved:**
 - ❑ **70% Nitrogen Oxides**
 - ❑ **64% Particulate Matter**
- **Emission Reduction Retrofit Program**
 - **31 drayage trucks retrofitted with Diesel Particulate Filter**
- **Truck Phase Out Plan**
 - **January 1, 2011: Access denied to pre-1994 drayage trucks**
 - **January 1, 2017: Access denied to pre-2007 drayage trucks**

Requested Authorization Regional Truck Replacement Program

- **Implement a \$2.42 million program to replace approximately 80 pre-2007 drayage trucks with model year 2007 or newer drayage trucks, of which \$2 million would be funded via a federal grant**
 - **\$2 million grant would be utilized to cover up to 50% of truck replacement cost – not to exceed \$25,000 per truck**
 - **Trucker secures private financing for remaining purchase price**
 - **Old truck scrapped and owner of new truck commits to serving the Port over a five-year period**
- **Enter into an agreement with Tetra Tech, Inc. for program administration and management at a total estimated cost to the Port Authority of \$420,000:**
 - **Outreach, marketing and coordination**
 - **Processing all grant applications**
 - **Program monitoring and troubleshooting**
 - **Emission reduction calculations**
 - **Program reporting**



Program Benefits

- **Reduce pollution from Port-related trucking activities:**
 - **708 tons of nitrogen oxides**
 - **42 tons of particulate matter**
- **Reduce economic burden on trucker owners by providing a financial incentive to replace older trucks with newer vehicles to meet the January 1, 2017 phase out deadline**
- **Enable Port to reduce its environmental footprint**
- **Successful implementation would result in additional grant funding for future Truck Replacement Programs**

