Informational

TOPIC: Information Ports Macro Assessment

DATE: April 27, 2014 CONTACT: Gloria Vaughn, x7535

PURPOSE/ACTION NEEDED: FYI

DEADLINE DATE: None

MACRO ASSESMENT OBJECTIVES

•Update national understanding of future port-related emissions for criteria, air toxics, and climate pollutants
•Assess effectiveness of technological and operational emission reduction strategies across ports with different emissions profiles
•Inform national policy discussion for voluntary port initiatives

Important Caveats

•Macro Port Assessment workplan is based on limited resources and relies on other EPA efforts
•Assessment is not designed to provide specific information for local decision-making at individual ports
Macro baseline emission inventories are based on assumptions for 2011
Growth scenarios are not based on port-specific assumptions
•Assessment results provide general impacts of future emission scenarios, and not specific neighborhood impacts (not a refined analysis of local air quality or health impacts)

Ports and Emissions

Twenty (20) port areas were selected based on
-Results of 2008 OTAQ Screening Level Analysis
–Availability of existing port and harbor emission inventories
–Geographic diversity
–Coastal locations (excluding Great Lakes ports)
-Seven (7) Region 6 ports selected for assessment
Baton Rouge, Corpus Christi, New Orleans, Port Arthur, New Orleans, South LA, Houston

The following emissions were assessed: PM2.5, NOx, VOC, SO2, CO2 and BC
–Formaldehyde, benzene, and acetaldehyde

Macro Assessment would combine the emission inventory data and emission reduction strategies to estimate potential emission reductions (Tons/year or Percent Reduction)

Emission reduction strategies developed for:	Example strategies:
Drayage Trucks	Replacements
Cargo Handling Equipment	More efficient truck gate operations
Harbor Craft (C1-2)	Alternative/cleaner fuels
Locomotives	Vessel speed reduction
Ocean Going Vessels (C3)	Shore power

Questions for ADD Meeting:

Ports Macro Assessment will outline future port-related emissions for criteria, air toxics, and climate pollutants and assess the effectiveness of technological and operational emission reduction strategies across ports with different emissions profiles

With the estimated completion of the assessment by August 2015 - How can the Agency best communicate and use the results of the macro assessment?

Communicate Results
Use Diesel Collaborative to help disseminate the results
Hold webinars to communicate results
Partner with port organizations, American Association of Port Authorities (AAPA), etc., Federal partners (CORP, Coast Guard, etc.,) to publicize results

Use of results
Help to define criteria for National and state DERA grants for sector and technology.

MSTRS Federal Coordination efforts is focused on federal funding, but the biggest need for coordination seems to be at the regional level where projects are happening.

What is the best way to internally coordinate across media?
Use regional ports call? **National Clean Diesel and some ports subcommittee calls are held monthly or bi-weekly and are very effective in communicating important and timely information. Regional ports calls with complementing Regional agencies could achieve the same results.**
Resurrect intra-agency team?
Other?

Where is the greatest need for Federal Coordination at the regional level, with respect to addressing air emissions from port sources?
Enforcement of emission control area (ECA)
Determining/agreeing on common issues and working to implement change,
Meaningful engagement between port communities and ports

What are your ideas for using results of the Macro Assessment to increase Federal partner consideration of the air quality impacts of their actions? **Convene a Regional summit with Federal partners to discuss air quality impacts identified under macro assessment**

Strengthening Port Community Relations - Primers being developed that include interactive materials ("curriculum") and a community action roadmap (implementation plan) to provide communities with strategies for effectively participating in port decision-making and provide ports with best practices for port community outreach.

Do any Regions have an area that could be used as a potential pilot project - looking for partners to test out the curriculum?

Port of Houston Area-
Established Healthy Port Communities Coalition (HPCC)
Organize port communities to engage decision-making bodies on port expansions
Members: Air Alliance Houston, Pleasantville Environmental Coalition, Public Citizen, Texas Environmental

Justice Advocacy Services and Texas Organizing Project
Elena Craft from the Environmental Defense Fund and an MSTRS member has had conversations with community groups in the Houston area and may be an asset and providing suggestion for overcoming obstacles

Port of Corpus Christi Area-
Contact established with community leaders because of prior community concerns
- Harbor Bridge project
- Port Expansion
- Post Panamax expansion