WHY IS THE FDNY AT THE CONFERENCE?

- FDNY Pre/Post 9/11
- FDNY CBRNE Challenges
- FDNY-JPEO Partnering Effort
  - BRIEF FIRE BOAT HISTORY
  - JPM-CP Support
- FDNY Future Initiatives
FDNY on 9/11

- 9/11 had many lessons learned and exposed vulnerabilities
- Not well prepared for a major terrorist event
- Toxic material and smoke major hindrance to first responders
- Mass population evacuation limited
- Command centers not tailored to meet needs of first responders
FDNY Post 9/11

- Assessed vulnerabilities to address future threats
- Upgraded command center to meet challenges of 9/11 magnitude event
- Upgraded CBRN Readiness
  - new fire boats outfitted with CP
CBRNE CHALLENGES

• GENERAL
  – HIGH POPULATION DENSITY
  – TRADITIONAL CONOPS VS. NEW
  – SUSTAINABILITY OF OPERATIONS
  – ONGOING TRAINING AND EQUIPMENT NEEDS
  – Will City be able to provide the basic services (LE, Fire/EMS) during recuperation activities?
CBRNE CHALLENGES

• Sustainment in CBRN Event
  – Mobile Command Centers
    • Not hardened for CBRNE event
  – Communications
  – Rest and relief
  – Decon zones
  – Conops not prepared for CBRNE event

• Modeling and Simulation
  – Cloud Plume
  – Population density contamination analysis
  – Post attack assessment tools

• SCBA EQUIPMENT
  – Limited usage time
  – Limits time to complete tasks
  – 2/3 of air time used for ingress/egress to scene
Fire Boat Collective Protection

• Joint Project Manager-Collective Protection and FDNY developed partnership to assist on CBRNE matters, specifically as expert advisor for fire boat CP design
• JPM-CP worked closely with FDNY to ensure the required capability was implemented for the fire boat
• FDNY required Subject Matter Expertise for shipboard CP
• FDNY sought expertise within DoD, specifically Navy CP SME
• No commercial shipbuilding codes provide CP design requirements
• JPM-CP will leverage Navy CP expertise engineering and technical support for the fireboat design and testing.
JPM-CP Support

• Requirements definition
• Detail design
• Build phase
• System verification and testing
• System training and checkout
• Life cycle support
• System capability
FUTURE INITIATIVES

- Other NY/NJ Port Agencies with Maritime Resources
- Land based critical infrastructure protection