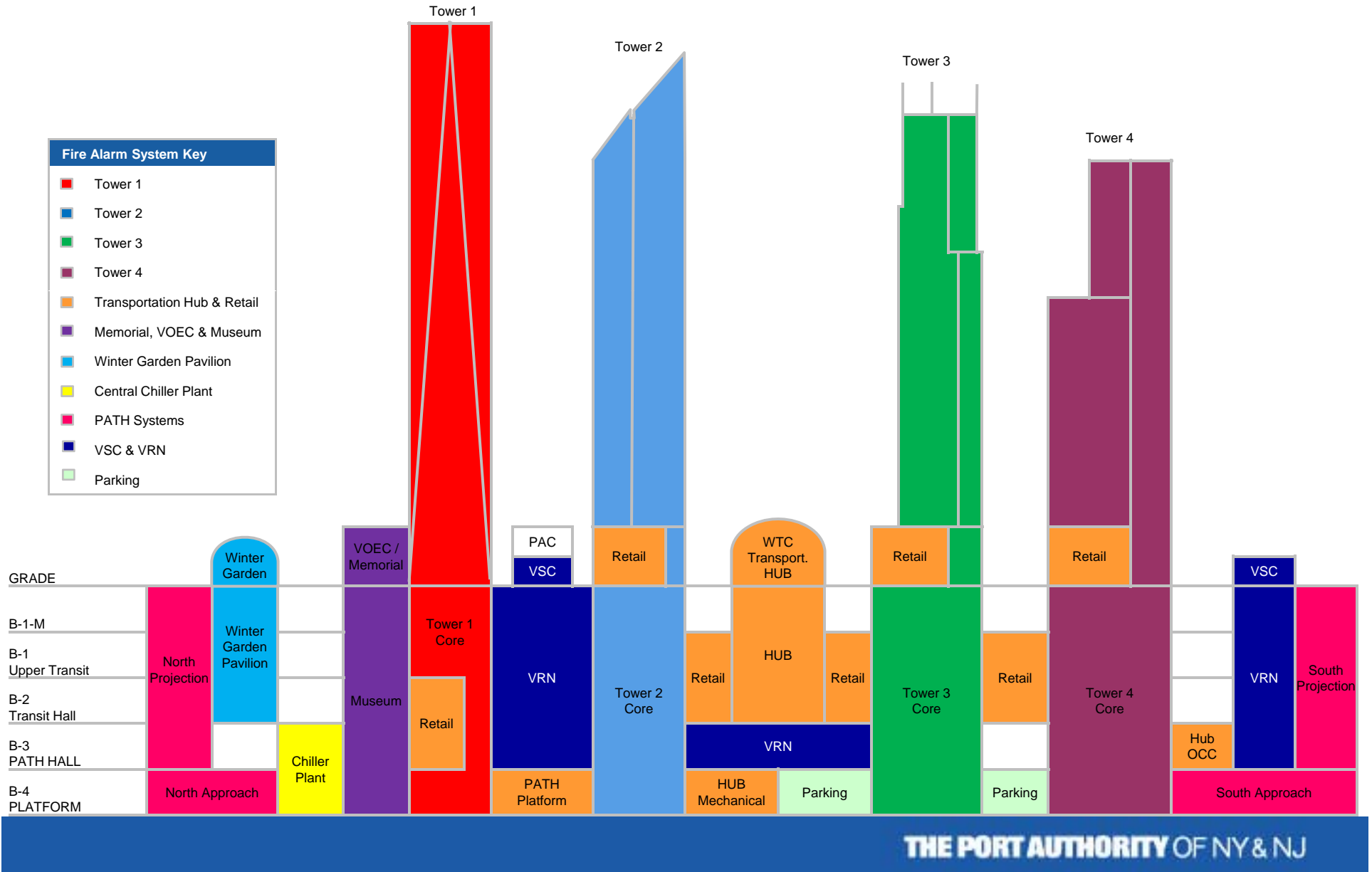


# ***World Trade Center – Systems Integration Planning Authorization***

WTC Redevelopment Subcommittee  
February 24, 2011

# WTC Systems Integration – Sectional View of Stakeholder Controlled Areas



## ***WTC Systems Integration – Overview***

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- Plan to integrate and coordinate site-wide systems is required to:
  - Address building compatibility and operability issues
  - Save long-term operating and maintenance costs
  - Optimize site-wide security connectivity
  - Develop common system interfaces
  - Support centralized operations
  - Coordinate various systems across program boundaries
- WTC systems integration is essential to operability, marketability, and the commercial success of the WTC Site

## ***WTC Systems Integration – Operational Review***

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- Operational Review of Systems including:
  - Fire and Life Safety Systems
  - Smoke Evacuation & Fire Command Stations
  - Building Management Systems
  - Utilities Program & Sub-metering
  - High-Security Keying System
  - Level Identification Coordination
  - Vertical Transportation Monitoring Systems
- Integration of these systems will provide cost effective operational and building connectivity upon opening

## ***WTC Systems Integration – Planning Authorization***

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- \$8.1 million planning authorization includes:
  - \$4.4 million for operational analysis consulting services
  - \$2.5 million for WTC stakeholder A&E design services
    - » Fire Alarm & Life Safety Systems
    - » Smoke Evacuation Systems
    - » Utilities Sub-meter Program
  - \$1.2 million for general and administrative and financial expense