Superstorm Sandy
Framing the Discussion of a Supply Chain Disruption and Transportation Outlooks
Framing the Discussion

• What worked and didn’t work
• How organizations worked together
• Shorter and longer-term impacts
Supply Chain Disruption

- Geographic scope
- Facilities
- Modes
- Commodities/shipment types
- Likely length
The Port of New York and New Jersey

Source: Port Authority of New York and New Jersey (PANYNJ)
Port Preparation

- October 25: Notification to tenants
- October 28: PA Emergency Operations Center activated
- October 29 1200 hours: All tenant personnel and PA contract security ordered off port
- October 29 2000 hours: Water levels rise to over 4 meters (13 – 14 feet), winds at 130-140 km/hour (80-90 mph)

Source: PANYNJ Presentation at 11/30 NAIOP/CSCMPNJ seminar
Immediate Return to Operation Time Line

- Oct. 30 – Assessment, response, recovery and restoration begins
- Nov. 2:
  - USCG re-opens Port to deep draft commercial traffic
  - First vessel arrival at PA facilities
- Nov. 3 – Power restored at Elizabeth
- Nov. 4 – Maher / APM work 5 vessels
- Nov. 5 – Truck gates at all container terminals opened Mon./Tues.
- Nov. 5 & 6 – All remaining container terminals work their first vessels
Port Damage and Vessels Diverted to Alternative Ports

• Extensive infrastructure damage
  – Flooding
  – Utilities
  – Sewage/fire pump motors and controllers
  – Loss of rail relays and switches
  – Security fencing and guard booths
  – Cranes and cargo handling equipment
  – Debris
  – Road and rail track damage
  – Total loss of rail car float and rail transfer bridge at Greenville

• Cargo impacts
• Cruise Passenger Auto Damages
• 57 vessels diverted to alternative East Coast ports

Source: PANYNJ Presentation at 11/30 NAIOP/CSCMPNJ seminar
Greenville Yard – Before

Source: A. Strauss-Wieder, Inc.
Greenville – After Superstorm Sandy
Security Fencing and Gate Houses
Red Hook Barge at/on Berth 6
Chassis, Drayage Truck and Access Road Damage
Building Damage and Flooding
Cargo Impacts
Ongoing Steps

• Continue recovery and reconstruction efforts while maintaining supply chain
• Assess:
  – Lessons learned
  – Immediate changes in operations and capital investments
• Identify and make longer term capital investments and operational changes
Thank you!

Anne Strauss-Wieder
A. Strauss-Wieder, Inc.
asw@as-w.com
www.as-w.com