

# BUILDING RESILIENT PORTS

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Kit Chope

Vice President, Sustainability  
The Port of Virginia



## THE PORT OF VIRGINIA

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- What's good for the port...
- Ultra Large Container Vessels
- Investments
- Resiliency philosophy

# ALL TERMINALS RESILIENCY STUDY

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- Multi-phased study of facilities and processes to preserve continuity of operations across wide spectrum of natural and man-made events
- Identification of potential single points of failure and critical vulnerabilities
- Informs capital infrastructure investments and engineering/maintenance activities (budget creation)

## NIT SOUTH STUDY

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- \$350M port investment
- Partnership with ODU's Virginia Modeling, Analysis and Simulation Center for NIT South Conversion
  - Focused on critical infrastructure
  - Validates building higher and more hardened
- Ties into Master Plan and Enterprise Risk Management

# NIT SOUTH STUDY



# RESILIENCY PLAYBOOK

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- Like an aviator's pocket checklist
  - Immediate action items
  - Communications priorities
- Learning environment in which we operate
  - Lessons learned
  - Training

# EXERCISES

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- Robust and realistic exercises
  - Internal and external
  - Tabletop and field training exercises
  - Weather, cyber, personnel
- Foster trust and confidence
- Guarantee interoperability
- Understand capabilities
- Develop contingency plans

**ACCESSIBILITY**  
**FORTITUDE**  
**HELPFULNESS**  
**INNOVATION**  
**MINDFULNESS**  
**SUSTAINABILITY**