Engaging Ports to Create a More Resilient Coastal Economy

The Ports Resilience Index

Presentation to the National Working Waterfronts Network Symposium

November 17, 2015
Why are Ports important?

A few convincing statistics:

Each year, U.S. seaports handle about 2 billion tons of cargo (import, export and domestic) including food, clothing, medicine, fuel, building materials, electronics and toys.

Seaports support the employment of more than 13 million people in the U.S.

Each state relies on at least 15 seaports to handle its imports and exports.

International trade and shipping is going to increase, with the expansion of the Panama Canal.

By 2020, total freight movement through U.S. seaports is expected to increase by 50%.
The Resilience Index Project

Gulf of Mexico Alliance (GOMA)

Coastal Resilience Index

“On the road to coastal resilience”

Resilience

A Community Self-Assessment

Understanding how prepared your community is for a disaster
Ports & Resilience in the Academic Literature

- Natural Hazards
- Disaster Response
- Ports and Supply Chains
- Supply Chain Risk Management
Port Risk Management: Additional Federal Guidance would aid Ports in Disaster Planning and Recovery

Communications

Personnel

Coordination
Our Working Definition of Resilience

The ability of ports to return to an acceptable level of functioning after a disaster and "bounce forward"
Progress To Date

Online Survey

Kickoff Meeting:
October 31, 2014

Work Session:
January 20-21, 2015

Pilot Tests: (3)
Summer 2015
Port Resilience Index Pilot: Corpus Christi
Port Resilience Index Pilot: Pascagoula
Port Resilience Index Pilot: Lake Charles
Sections of the Ports Resilience Index:

Planning Documents for Hazards and Threats
Hazard Assessment: Infrastructure and Assets
Insurance and Risk Management
Continuity of Operations Planning: Infrastructure & Facilities
Internal Port Authority Communications
Tenant and External Stakeholder Communications
EOC Location (Physical or Virtual)
Critical Records and Finance
Next Steps and Thank You!

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Craig Colten – LSU Department of Geography & Anthropology

Robert Twilley – Executive Director of Louisiana Sea Grant

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