



Alabama State Port Authority Hurricane Preparedness & Recovery



“Water is the driving force of all nature.”

Leonardo da Vinci

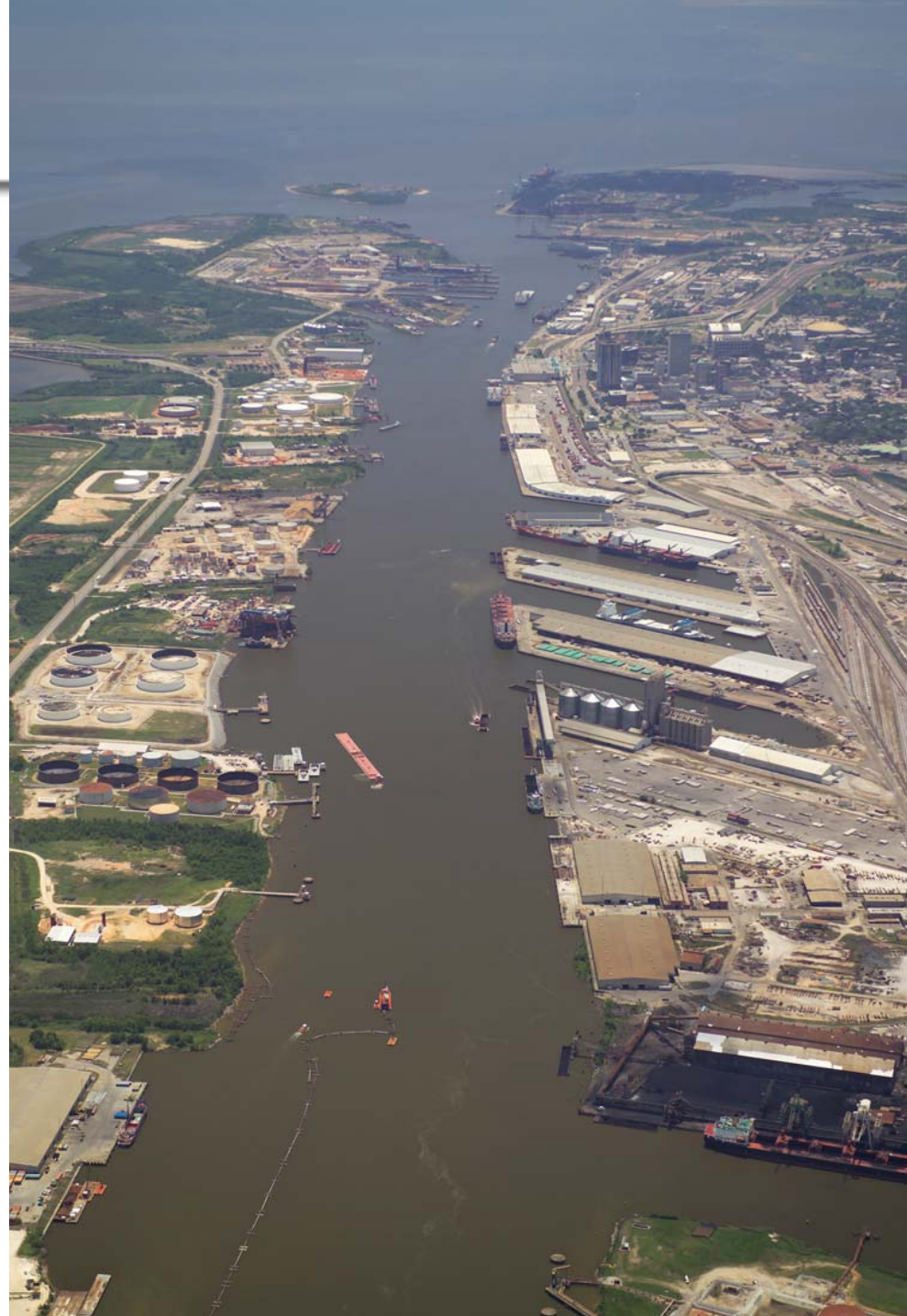


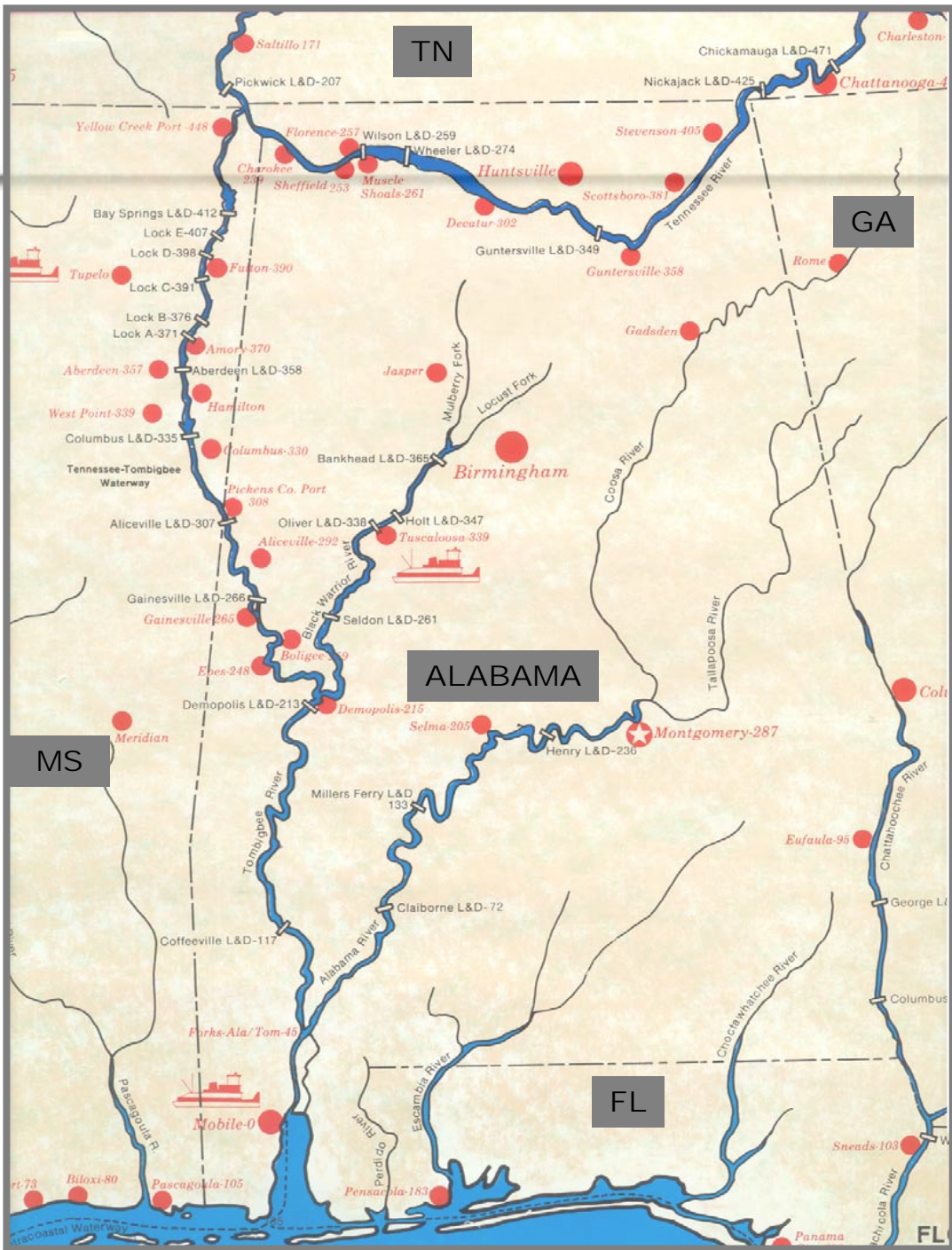
Who is the Alabama State Port Authority?

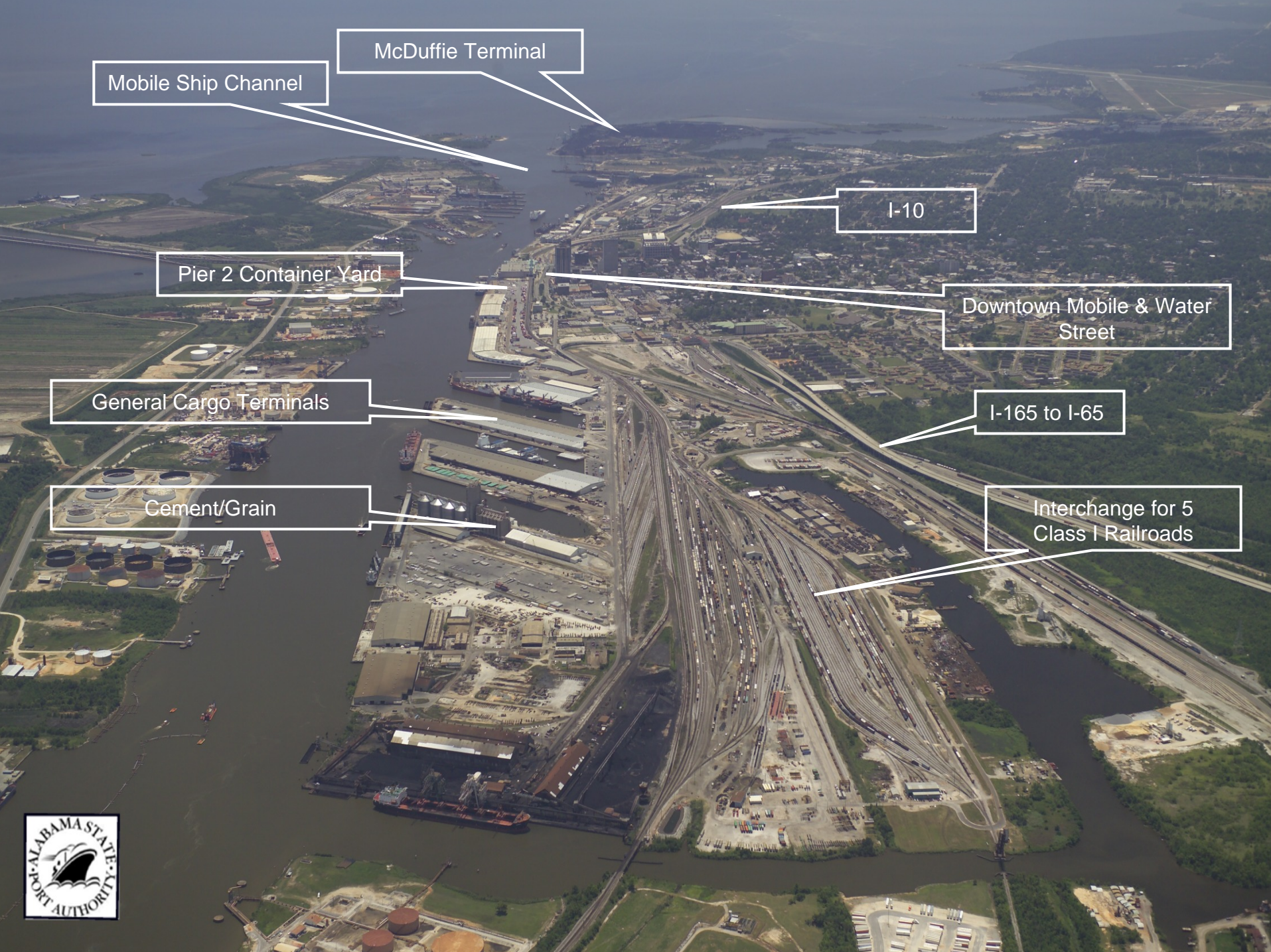
- An Agency of the State of Alabama
- Full Service, Primarily Operating Port With Container, Breakbulk, Dry Bulk, Liquid Bulk Operations and Refrigerated Cargos
- In FY05, ASPA Alone Handled 24+ Million Tons of Cargo

Where is the Alabama State Port Authority?

- At the Mouth of the Mobile River in the North End of Mobile Bay, 32 Miles North of the Open Waters of the Gulf of Mexico







Mobile Ship Channel

McDuffie Terminal

I-10

Pier 2 Container Yard

Downtown Mobile & Water Street

General Cargo Terminals

I-165 to I-65

Cement/Grain

Interchange for 5 Class I Railroads





ASPA Hurricane Plan

Preparations Begin at the Issuance of the National Weather Service's Notification of a Tropical Storm/Hurricane Entering the Gulf of Mexico & Port Area is Located in the Watch/Warning Area

- COMMUNICATIONS & COORDINATION
Before, During & After the Storm
- MONITORING
National Weather Service – Intellicast – USA Coastal Weather Research Center – USCG Alerts
- SUPPLIES ASSESSMENT & PROCUREMENT
- ASSET PROTECTION
- EMPLOYEE PROTECTION
- RECOVERY



Communications Chain

Before, During & After the Storm

United States Coast Guard

U.S. Army Corps of Engineers

Port Senior & Supervisory Management

Harbormaster

State & Local Law Enforcement

Port Police – State Troopers – City Police

Emergency Management Officials

Customers/Port Users

Media



Key Benchmarks in Preparedness

- **72 hours Prior to Landfall**
 - All Port Division Hurricane Plans Initiated
 - Communications Equipment Inventoried, Readied, & Distributed
 - Supplies Inventoried – Purchases Made
 - Fuel, Generators, Batteries, Cables/Wire/Rope, Plywood, Parts, Etc.
 - Non-essential Operating Equipment and Materials Stowed or Secured
 - Information Technology
 - File Backup, Non-essential Hardware Stowed



Key Benchmarks in Preparedness

- **48 hours Prior to Landfall**
 - Communications: Alerts & Conference Call Schedules Implemented
 - Stow or Secure Non-Essential Operating Equipment Vulnerable to 40+ mph Winds
 - Mobilize All Portable Response Gear – Generators, Welders, Air Compressors, Pumps, Hoses, etc.
 - Fuel & Lubricate All Rolling Stock & Equipment
 - Fill Sandbags and Palletize for Distribution
 - Conduct Area Inspections



Key Benchmarks in Preparedness

- **24 hours Prior to Landfall**
 - Communications: Step-up Alerts & Conference Calls
 - Verify Locations and Phone/Radio Numbers & Radio Frequencies for All Essential & On-Call Personnel
 - Stow or Secure Essential Operating Equipment
 - Top Off Fuel & Lubricants for All Rolling Stock & Equipment
 - Install Window Protection
 - Schedule Shutdown of Water Mains
 - Sandbag Vulnerable Areas and Doors
 - Conduct Inspections
 - Non-essential Personnel Released from Work



Key Benchmarks in Preparedness

- **12 hours Prior to Landfall**
 - Communications: Final Conference Calls & Set Schedule for Post Storm Communications
 - Shut Down Remaining Operations & Stow/Secure Remaining Operating Equipment
 - Secure Power Sources Not Required for Minimal Operations & Shutdown Non-essential Water Mains
 - Power & Water Only Manned Areas
 - All Remaining Info Tech Equipment is Stowed & Preparations for Server Shutdown Begin
 - Raise Slightly Leeward Facing Warehouse Doors to Relieve Pressure



Key Benchmarks in Preparedness

- **6 hours Prior to Landfall**
 - Communications Continue
 - Last Minute Storm Checks Completed
 - All On-Duty Personnel Report to Stations (indoors)



Post-Storm Response

- Communications Status Assessed & Management/Employee Notifications Issued
- Port Damage Assessments Begin
- Schedule Conference Calls
 - USCG – USACE – Utilities – Public Safety/Law Enforcement
- Essential & On-Call Personnel Called Back to Work
- USACE/USCG Inspections of Channels and Aids to Navigation Begin
- Port Recovery Efforts Begin



Hurricane Ivan

September 23, 2004

A Wind Event

Total Damages: \$2.6 Million

Total FEMA Claims: \$500,000







Hurricane Katrina

August 29, 2005

A Flood Event

Total Damages: \$29 Million
Total FEMA Claims: \$17 Million



HURRICANE KATRINA: DURING THE STORM







29 13:48





during first contacting on
"P" side F'cle store.

AUG 29 2005



Oil rig a grounded on the jetty,
behind us appx 300 mtrs.



AUG 29 2005

A LOOK AT POST-STORM DAMAGE



30 11:41



30 11:19



30 11:27

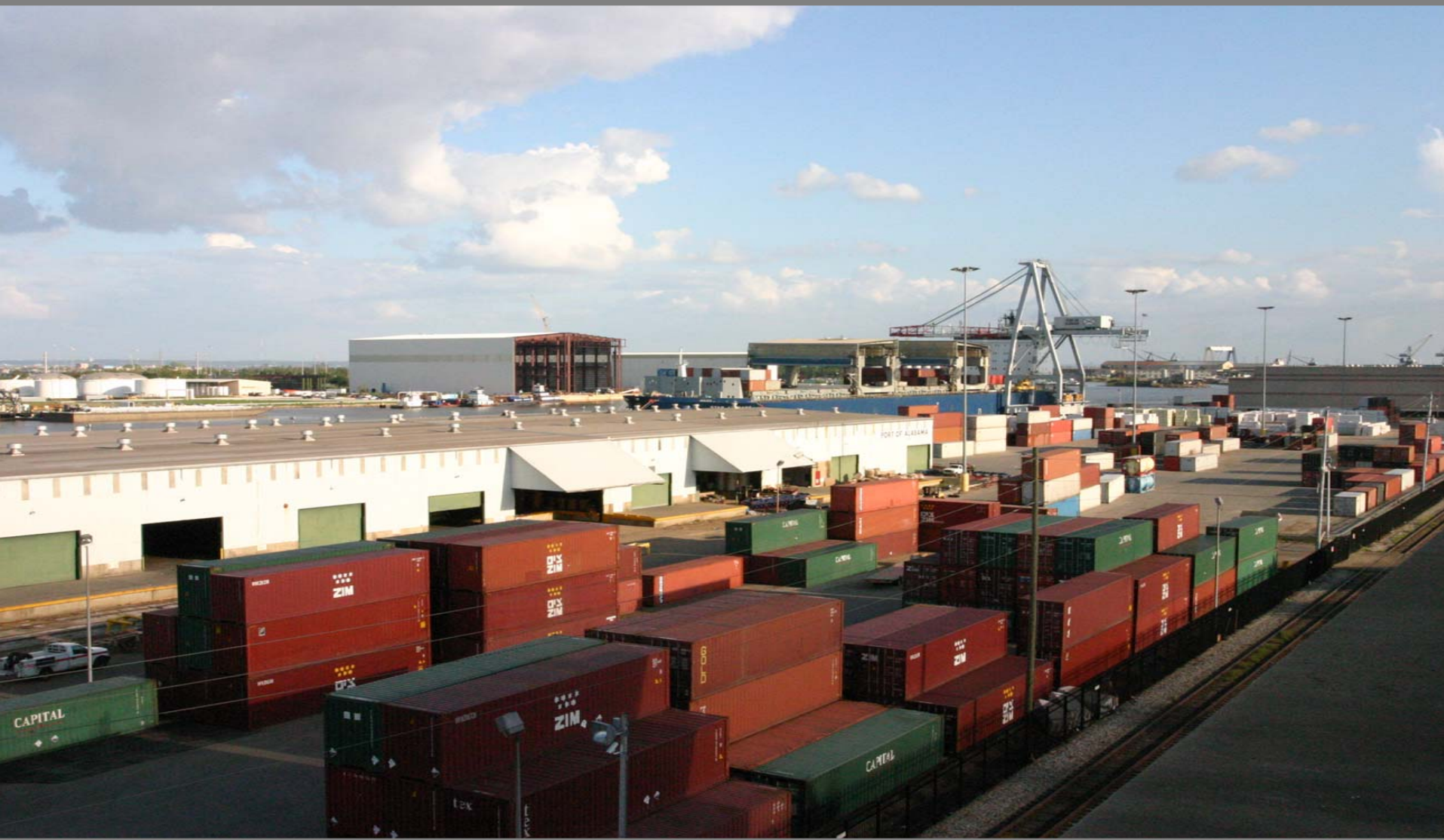




30 8:18



Mobile: Rapid Recovery









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Thank You!

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