



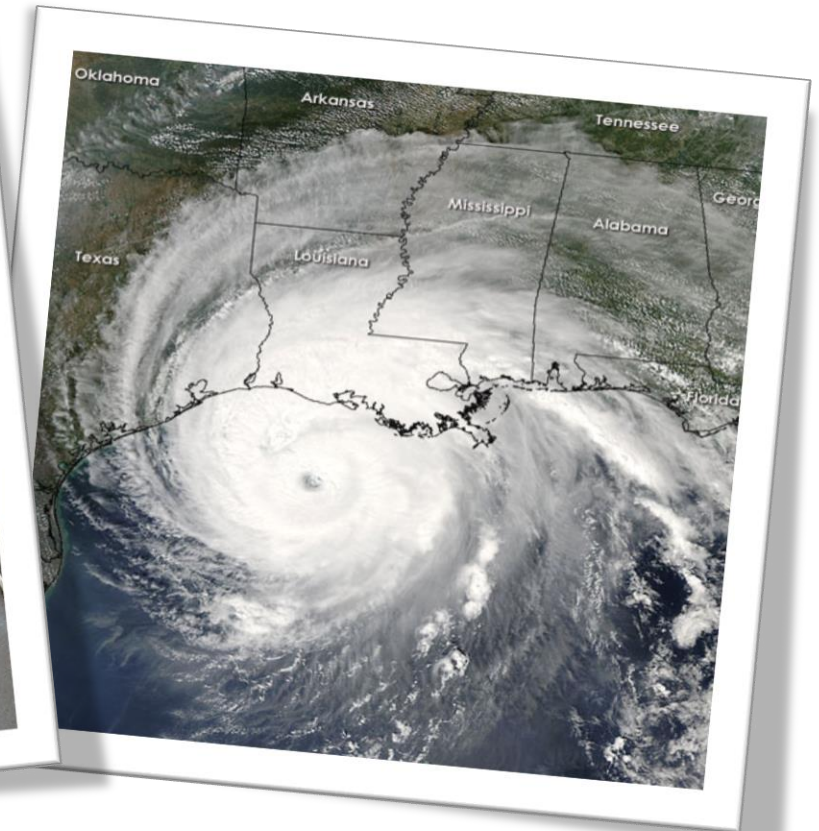
Hurricane Katrina & Hurricane Response in Louisiana

February 24, 2015



Louisiana August/September 2005

Hurricane Katrina/Rita





Pre-Katrina

- No State pre-event assisted transportation plan
- No State run General Population Shelters
(*Superdome considered “last resort”*)
- Shelter Task Force coordinated sheltering parish shelters primarily above I-10
 - Citizens transported themselves to Information Points along the evacuation routes
 - Information Points provided shelter location info to evacuees

Pre-Katrina

- **State was prepared to open several Medical Special Needs Shelters**
- **No pet plans or pet shelters**
- **Parishes provided shelters within their own jurisdictions citizens seeking safety from wind and/or water**



Hurricane Katrina
August 2005

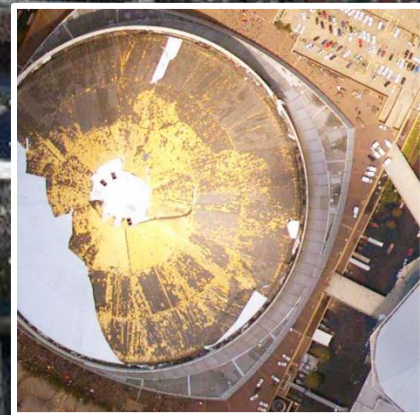
Hurricane Katrina

- **Overall area impacted - 108,456 square miles**
- **80% of New Orleans submerged**
- **1500+ Louisiana casualties**
- **200,000+ Louisiana homes substantially damaged or destroyed**
- **71,000+ Louisiana businesses impacted**
- **300,000+ job losses in Louisiana**





New Orleans Superdome





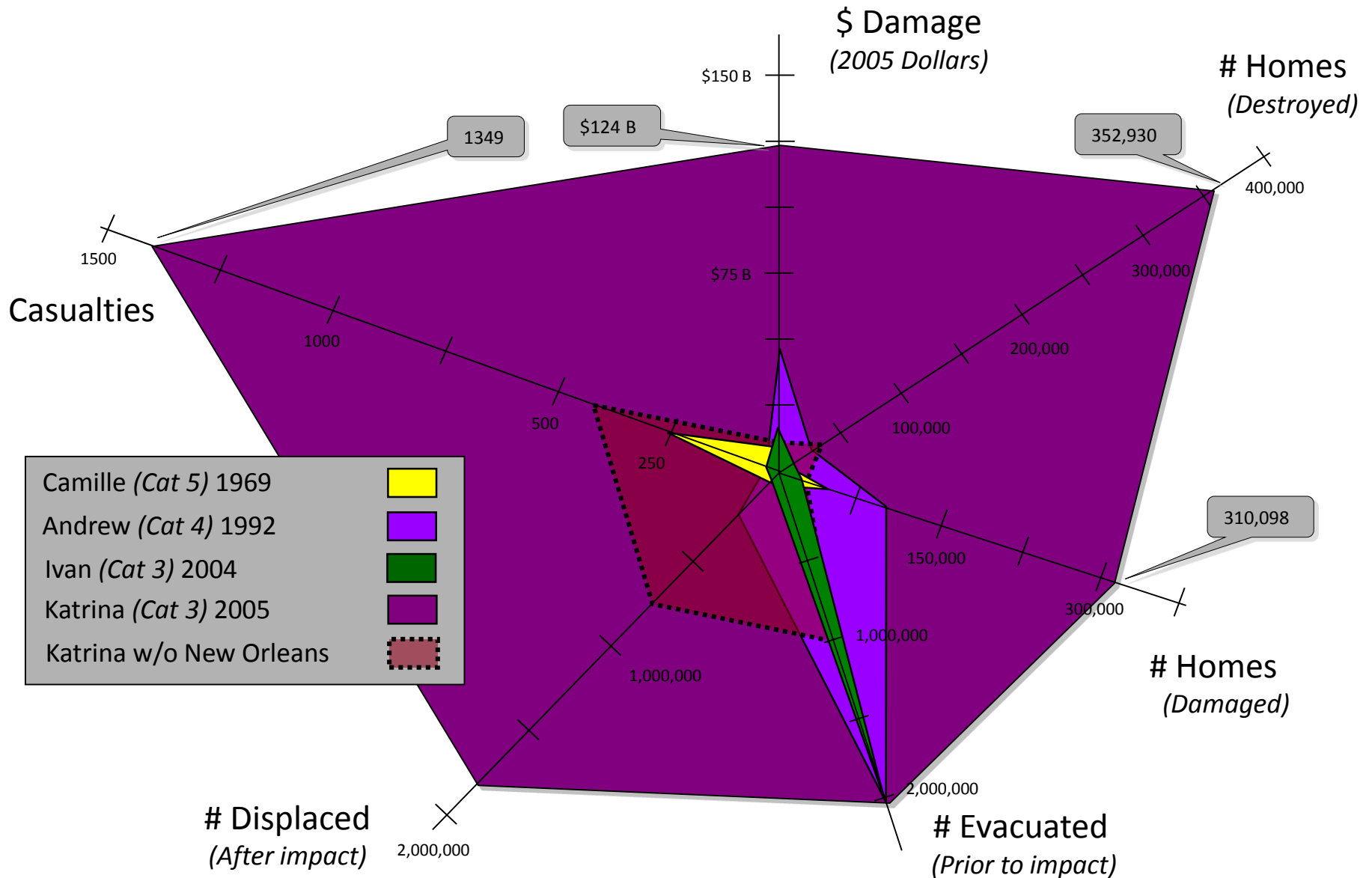
Slidell, St. Tammany Parish



Lakeview (17th St. Canal), New Orleans



Understanding the Impact of Hurricane Katrina

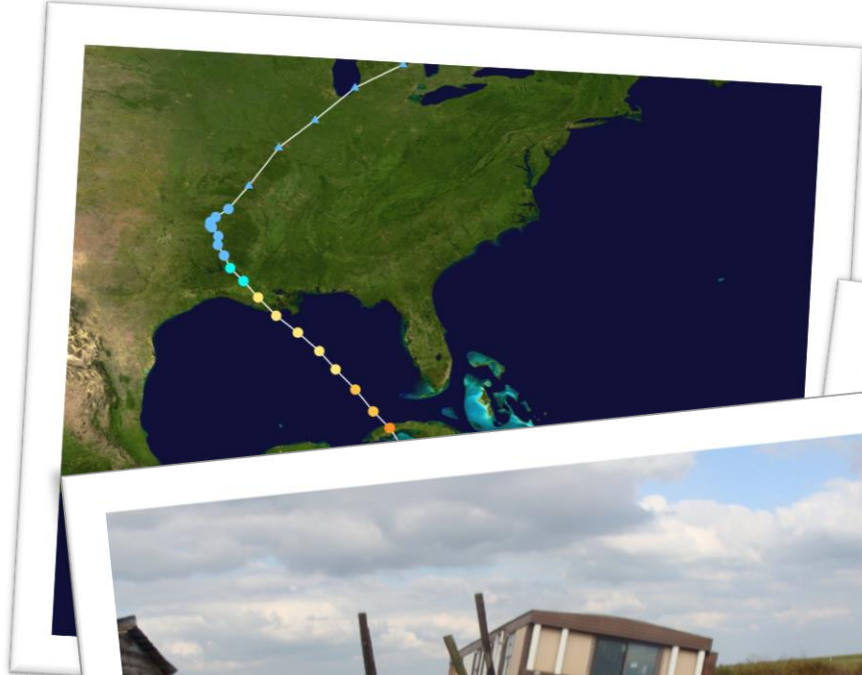


Post-Katrina

- **State begins growing shelter capacity with “mega-shelters” located in Central & North Louisiana**
 - **1st State owned shelter built on LSU-A campus**
- **Post Katrina plans used during Hurricane Gustav were successful but improvements necessary, areas of focus included evacuee tracking & reentry**

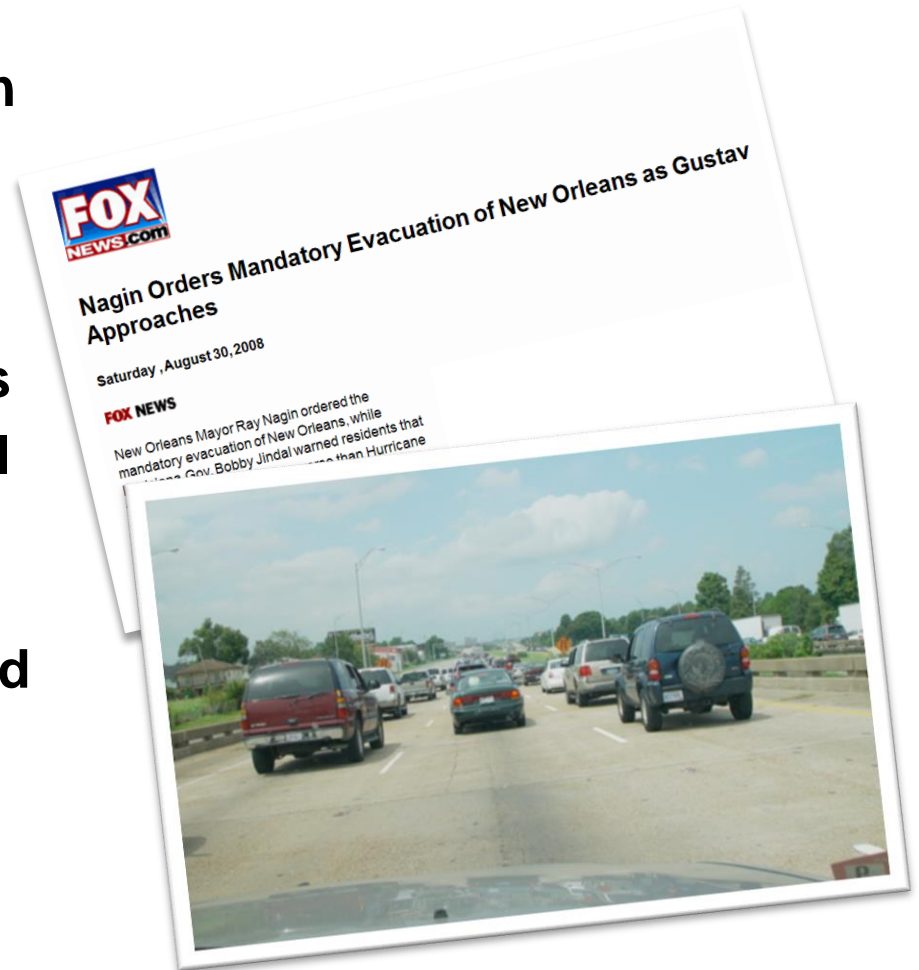
Louisiana August/September 2008

Hurricane Gustav/Ike

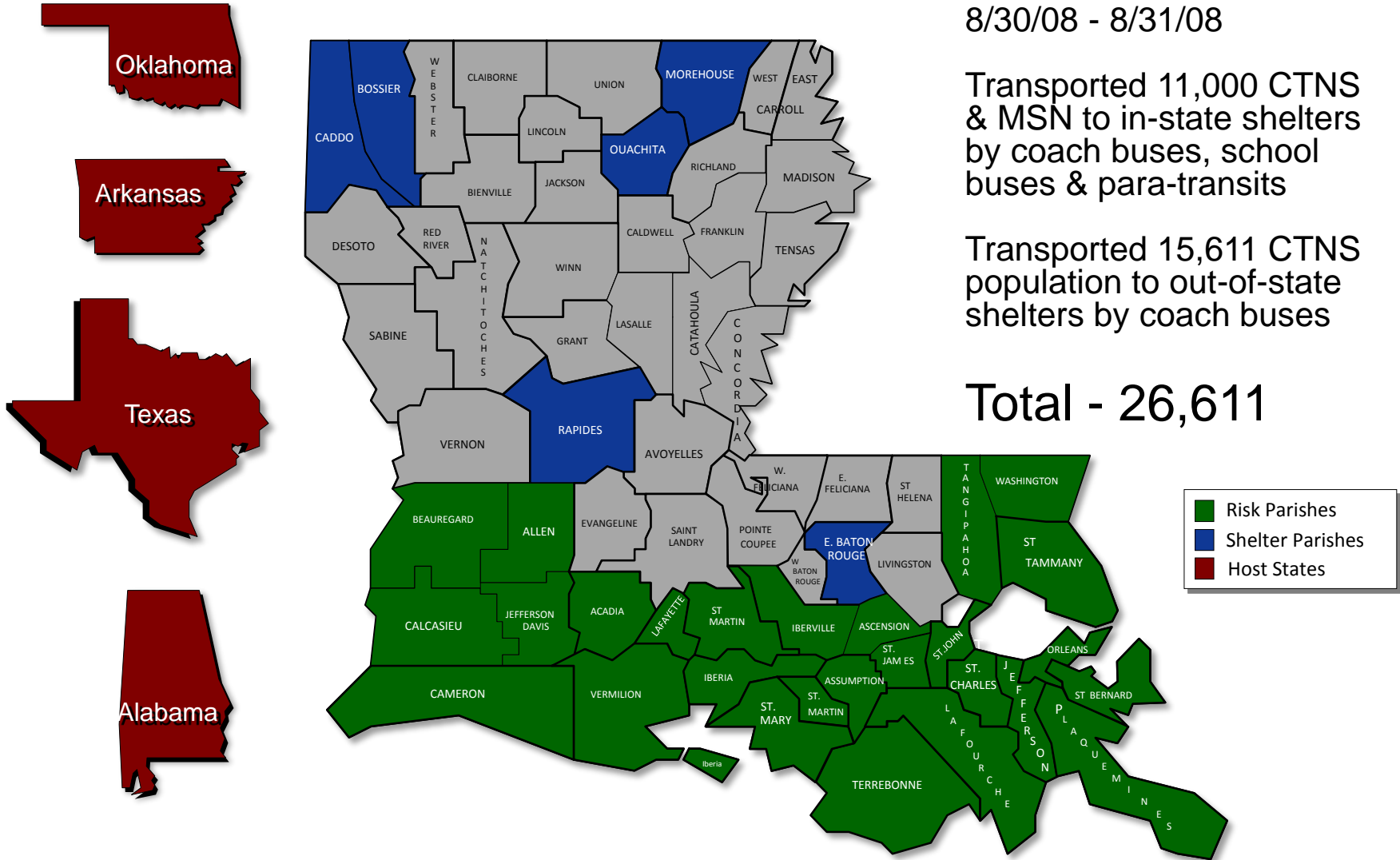


Hurricane Gustav

- Approximately 2 million people evacuated
- 1st time in State history mandatory evacuations called for entire coastal area of Louisiana
- 1st time State conducted dual contra flow for both Southwest & Southeast Louisiana



Gustav Motor Coach Evacuation



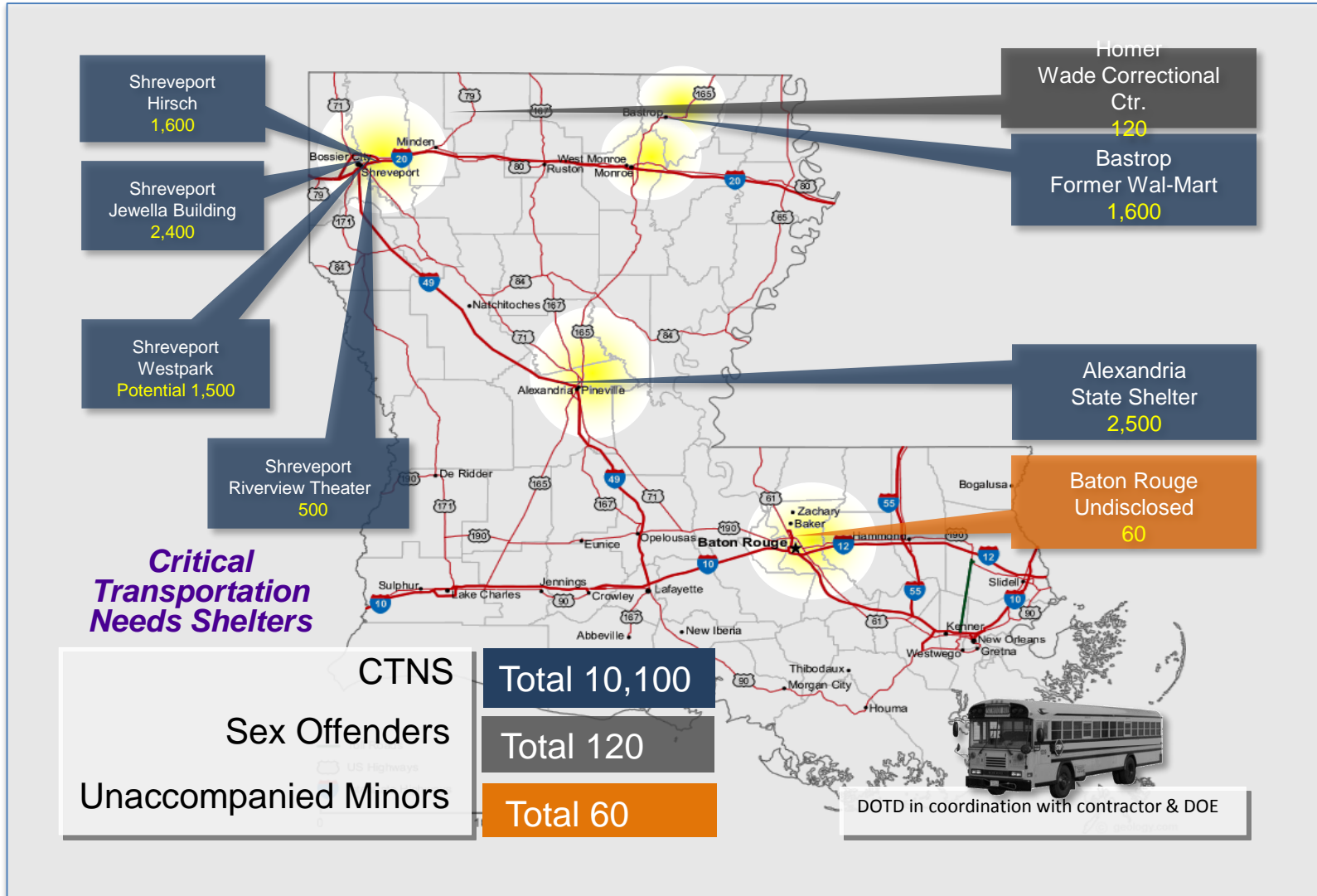
Gustav Air Evacuation

Hurricane Gustav Air Evacuation

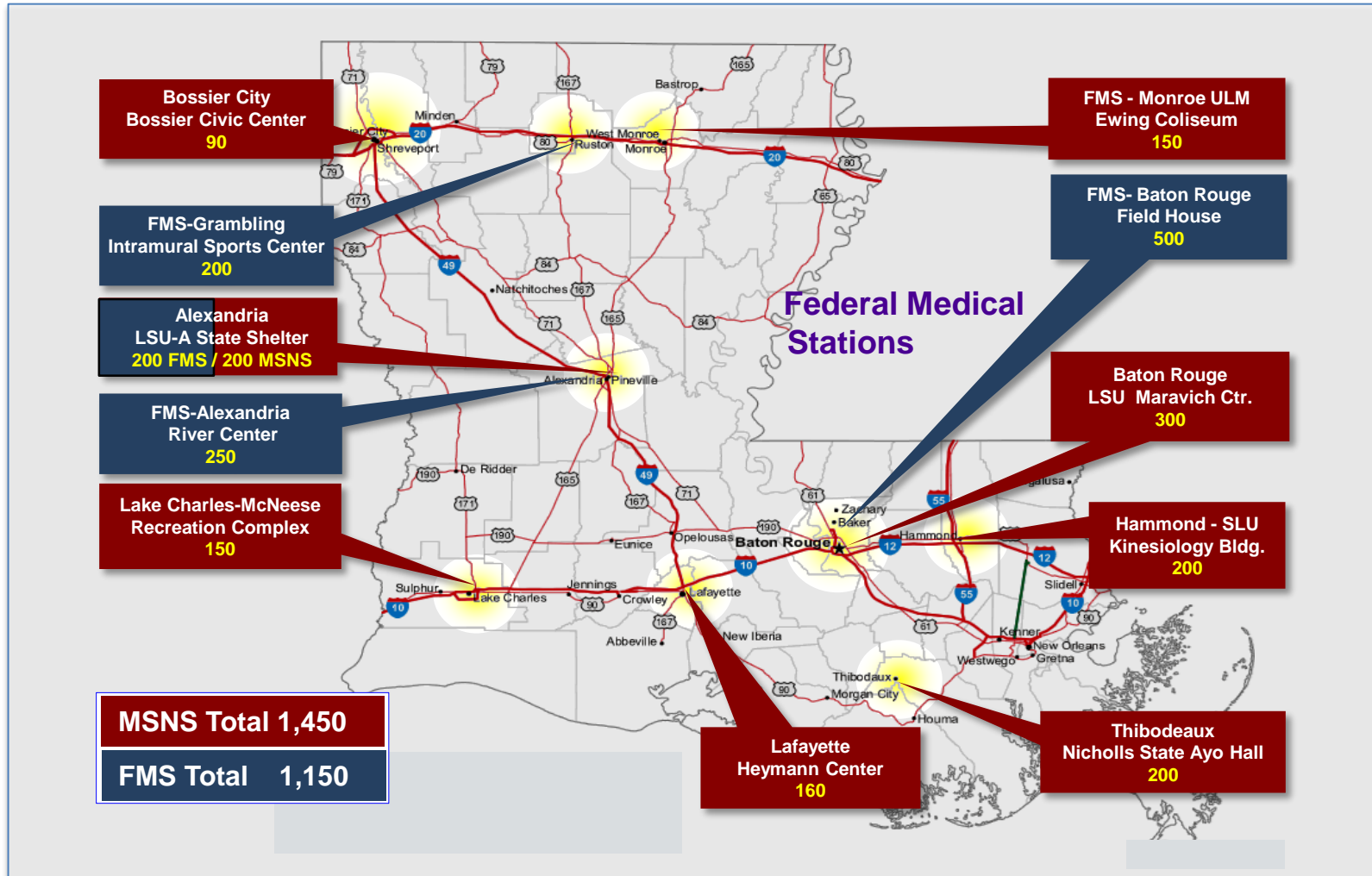


Destination	Flights	Evacuees
Ft Smith, AR	15	1,744
Knoxville, TN	10	1,163
Louisville, KY	8	1,038
Nashville, TN	13	1,105
Totals	46	5,050
Support Personnel (i.e., FEMA, FAA, TSA, DOD, etc)	10	1,054
Grand Total:	56	6,104

Critical Transportation Needs Shelters

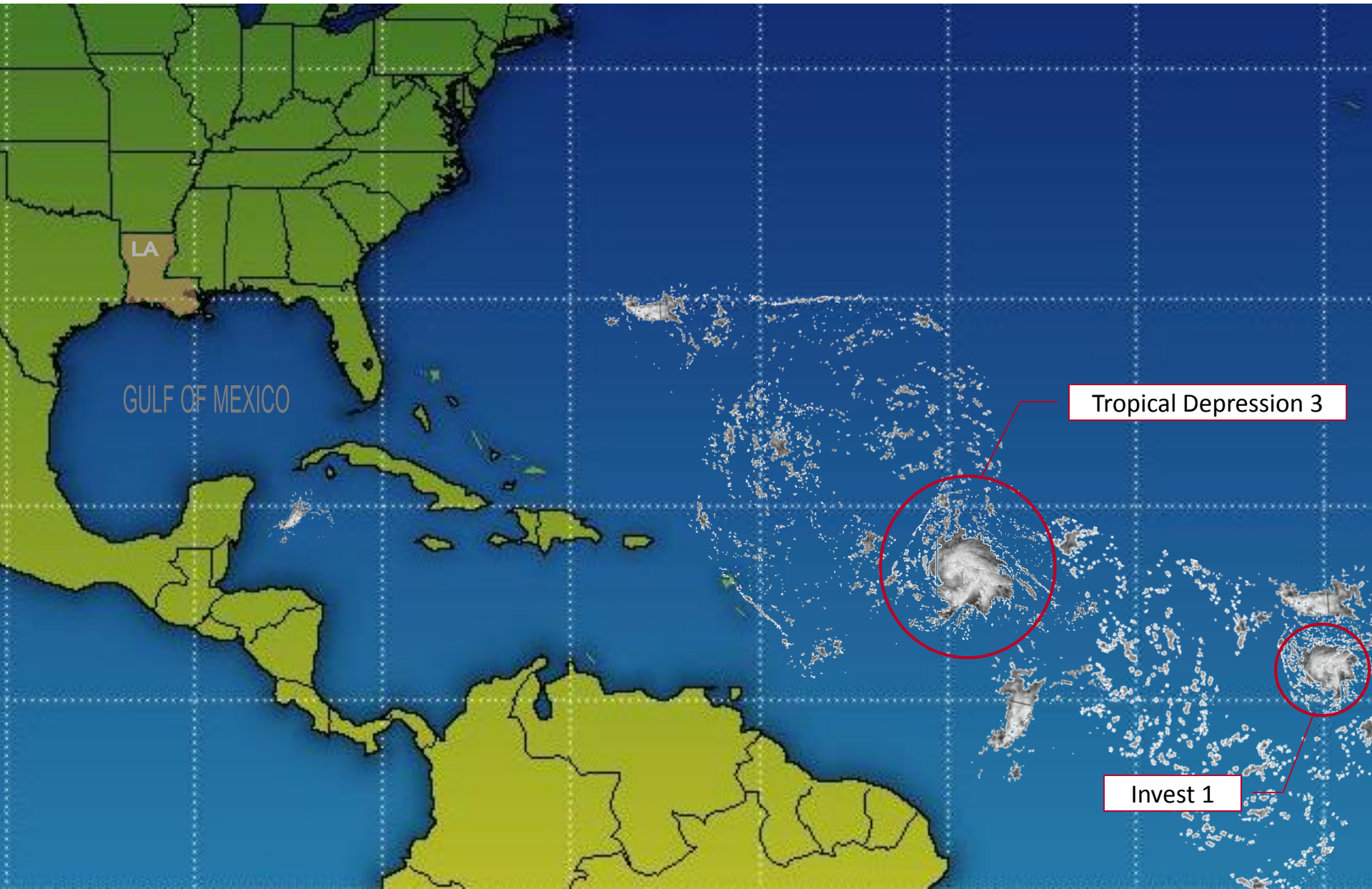


Medical Special Needs





State of Louisiana Hurricane Scenario





H-120

- GOHSEP Crisis Action Team (CAT) activated - situation monitored
- Initiate State Unified Command conference call
- Prepare State Emergency Declaration

H-102

- Develop & request Presidential Emergency Declaration
- Activate contracts for commercial transportation for Assisted Transportation Plan
- Activate contracts for trucks - Pet Transportation Plan
- Activate Transportation Staging Areas



H-120

H-96

H-72

H-50


H-40

H-30

H-20

Landfall

..... Anticipated Storm Track

 Cone of Uncertainty

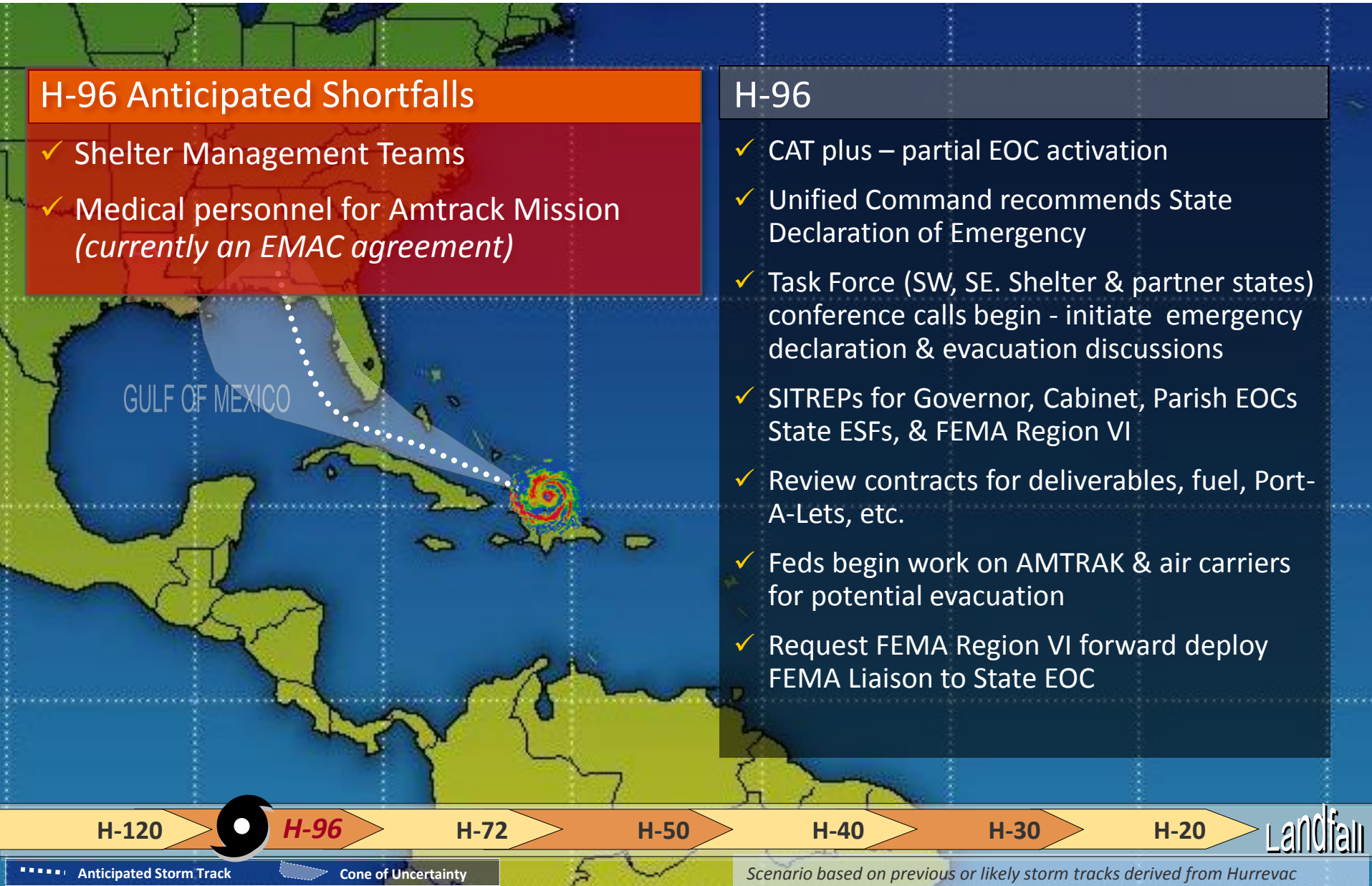
Scenario based on previous or likely storm tracks derived from Hurrevac

H-96 Anticipated Shortfalls

- ✓ Shelter Management Teams
- ✓ Medical personnel for Amtrack Mission
(currently an EMAC agreement)

H-96

- ✓ CAT plus – partial EOC activation
- ✓ Unified Command recommends State Declaration of Emergency
- ✓ Task Force (SW, SE. Shelter & partner states) conference calls begin - initiate emergency declaration & evacuation discussions
- ✓ SITREPs for Governor, Cabinet, Parish EOCs State ESFs, & FEMA Region VI
- ✓ Review contracts for deliverables, fuel, Port-A-Lets, etc.
- ✓ Feds begin work on AMTRAK & air carriers for potential evacuation
- ✓ Request FEMA Region VI forward deploy FEMA Liaison to State EOC





H-72 Anticipated Shortfalls

- ✓ Paratransit / Ambulances
- ✓ Hospital Spaces
- ✓ Aviation Support

H-72

- State EOC at Level III or II depending on threat
- Setup to support Contra-Flow
- Parishes initiate Declarations of Emergency
- Submit pre-scripted ARFs to FEMA
- JOC activated
- Joint Information Center (*JIC*) opens
- Launch host state LNOs



H-120

H-96

H-72

H-50

H-40

H-30

H-20

Landfall

..... Anticipated Storm Track

Cone of Uncertainty

Scenario based on previous or likely storm tracks derived from Hurrevac



H-72

- Initiate setup of Special Needs Shelters
- Initiate dissemination of public information on early evacuation & shelter operations
- Initiate prison population evacuations
- Establish Regional Staging Area (RSA) operations

H-66

- Request 300 school buses (*if required*)

H-54

- Assisted evacuation begins

H-120

H-96

H-72

H-50

H-40

H-30

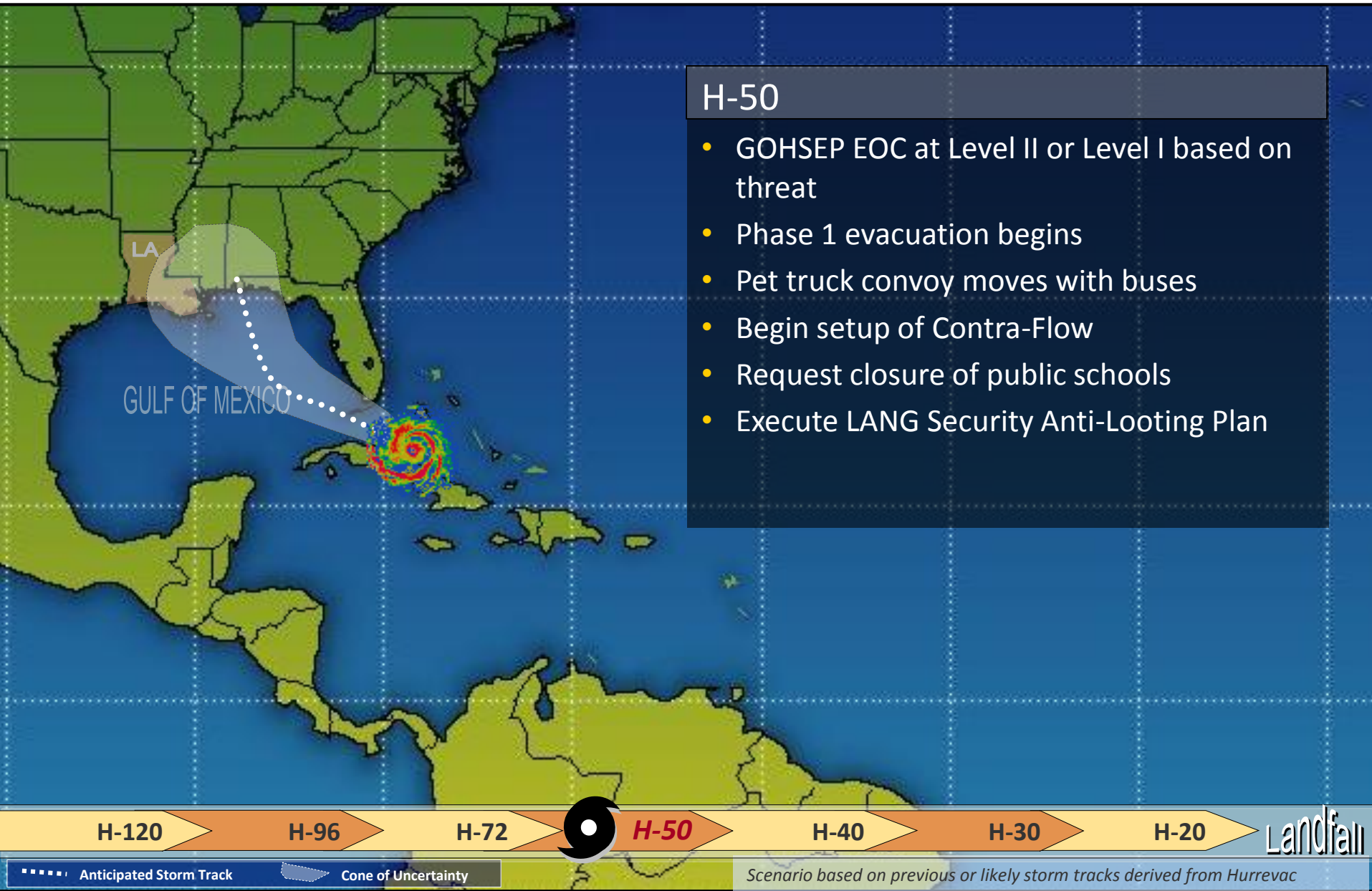
H-20

Landfall

..... Anticipated Storm Track

Cone of Uncertainty

Scenario based on previous or likely storm tracks derived from Hurrevac



H-50

- GOHSEP EOC at Level II or Level I based on threat
- Phase 1 evacuation begins
- Pet truck convoy moves with buses
- Begin setup of Contra-Flow
- Request closure of public schools
- Execute LANG Security Anti-Looting Plan

H-120

H-96

H-72

H-50

H-40

H-30

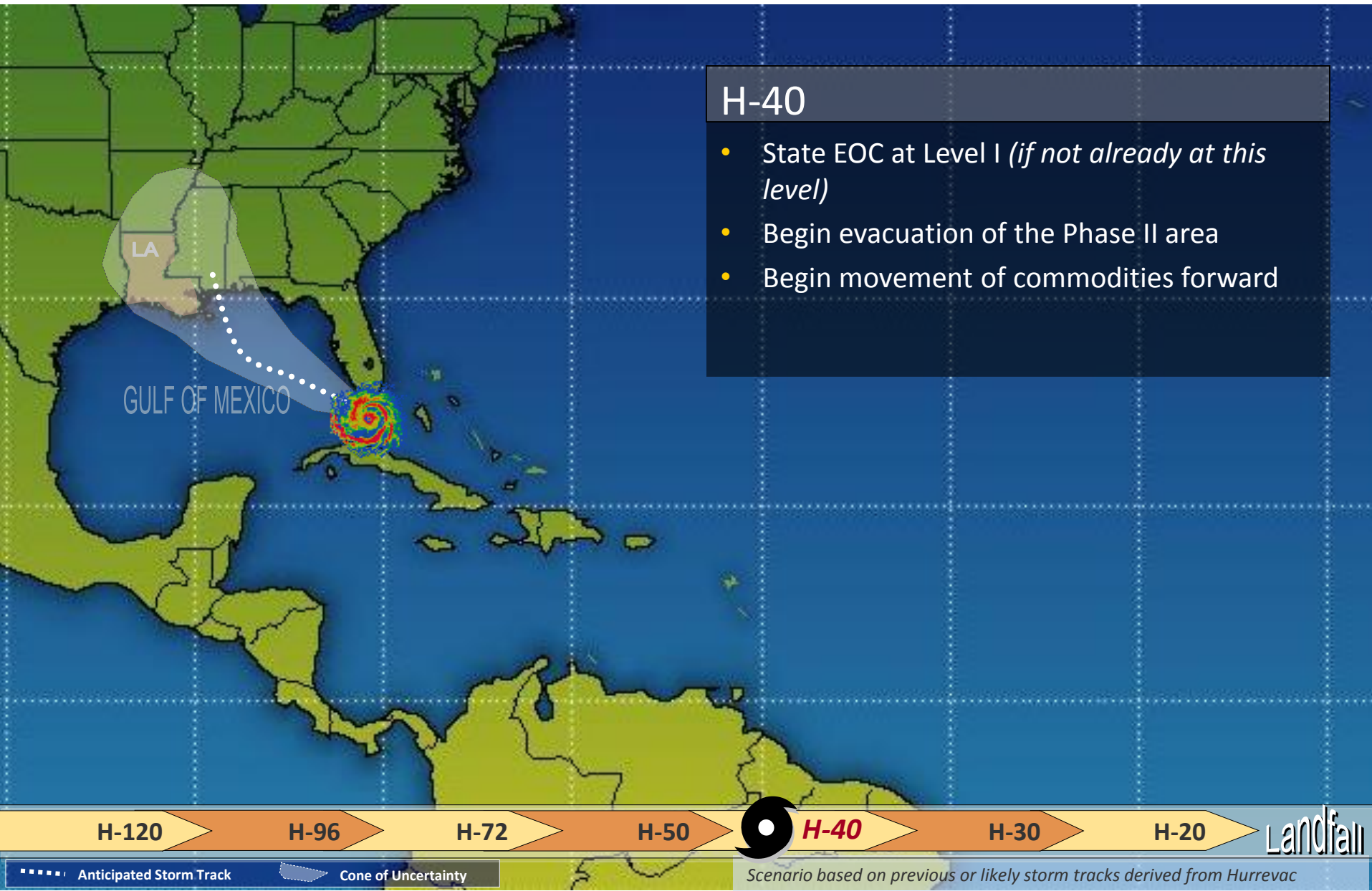
H-20

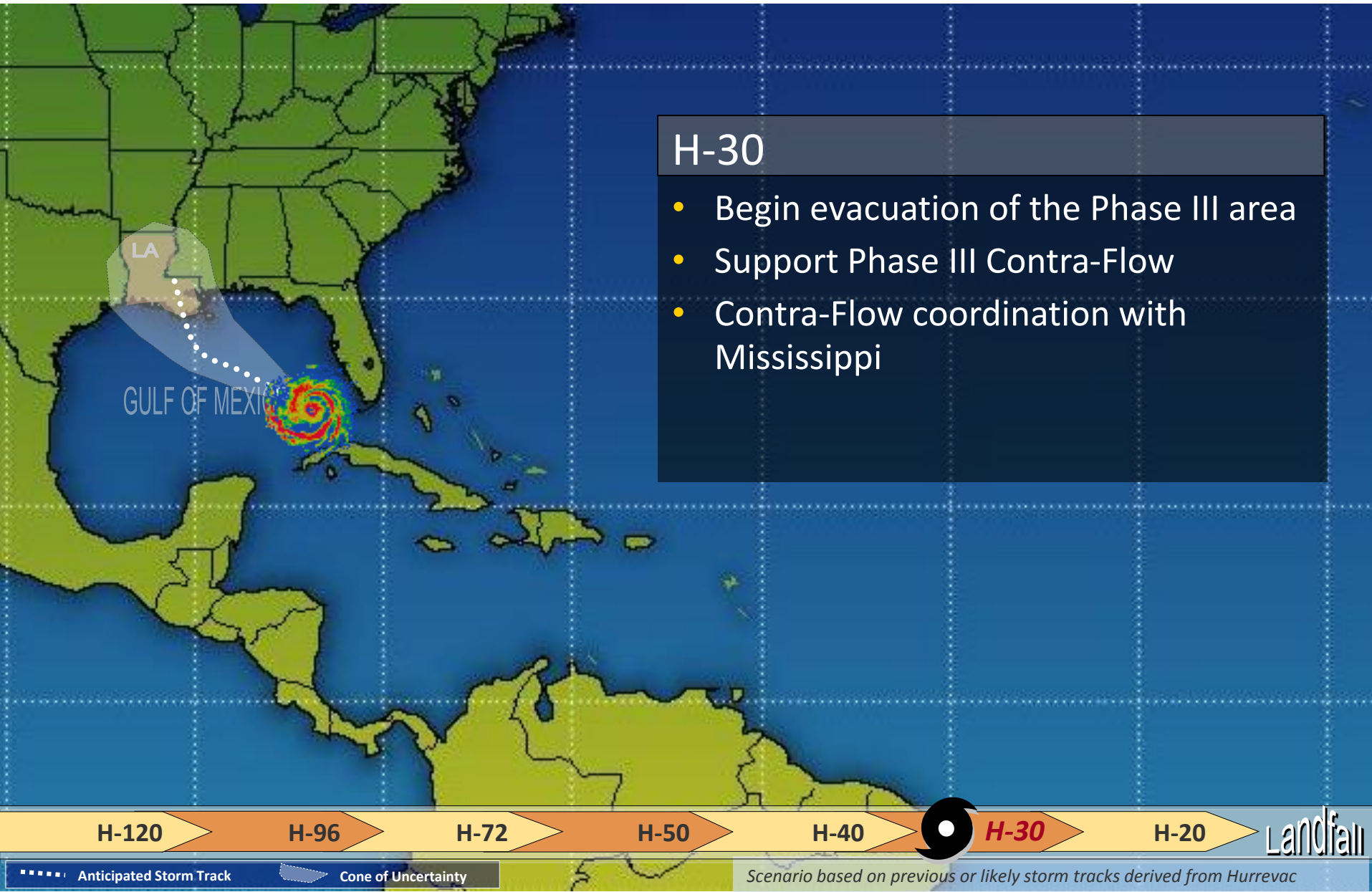
Landfall

..... Anticipated Storm Track

Cone of Uncertainty

Scenario based on previous or likely storm tracks derived from Hurrevac





H+ Anticipated Shortfalls

- ✓ MHE (Material Handling Equipment – Forklifts; Pallet Jacks, etc.)

H+12 Anticipated Shortfalls

- ✓ Post Certified Law Enforcement Personnel w/standard equipment load (*with recommended vaccinations*)
- ✓ Public Works Infrastructure Assessment Teams
- ✓ Aviation Support
- ✓ Incident Management Teams

H+24 Anticipated Shortfalls

- ✓ Disaster Food Stamp Program Personnel
- ✓ Pumps (*Sewer & Water*)

H-20

- State Assisted Evacuation completed
- Registration/tracking/reporting of those evacuated
- Discontinue Contra-Flow
- Prepare for re-entry
- Prepare for post storm damage assessment
- EAS messages & public information continues

H-12

- Feds conclude bus & rail operations

H+

- Smart SAR operations begin

H-120

H-96

H-72

H-50

H-40

H-30

H-20

Landfall

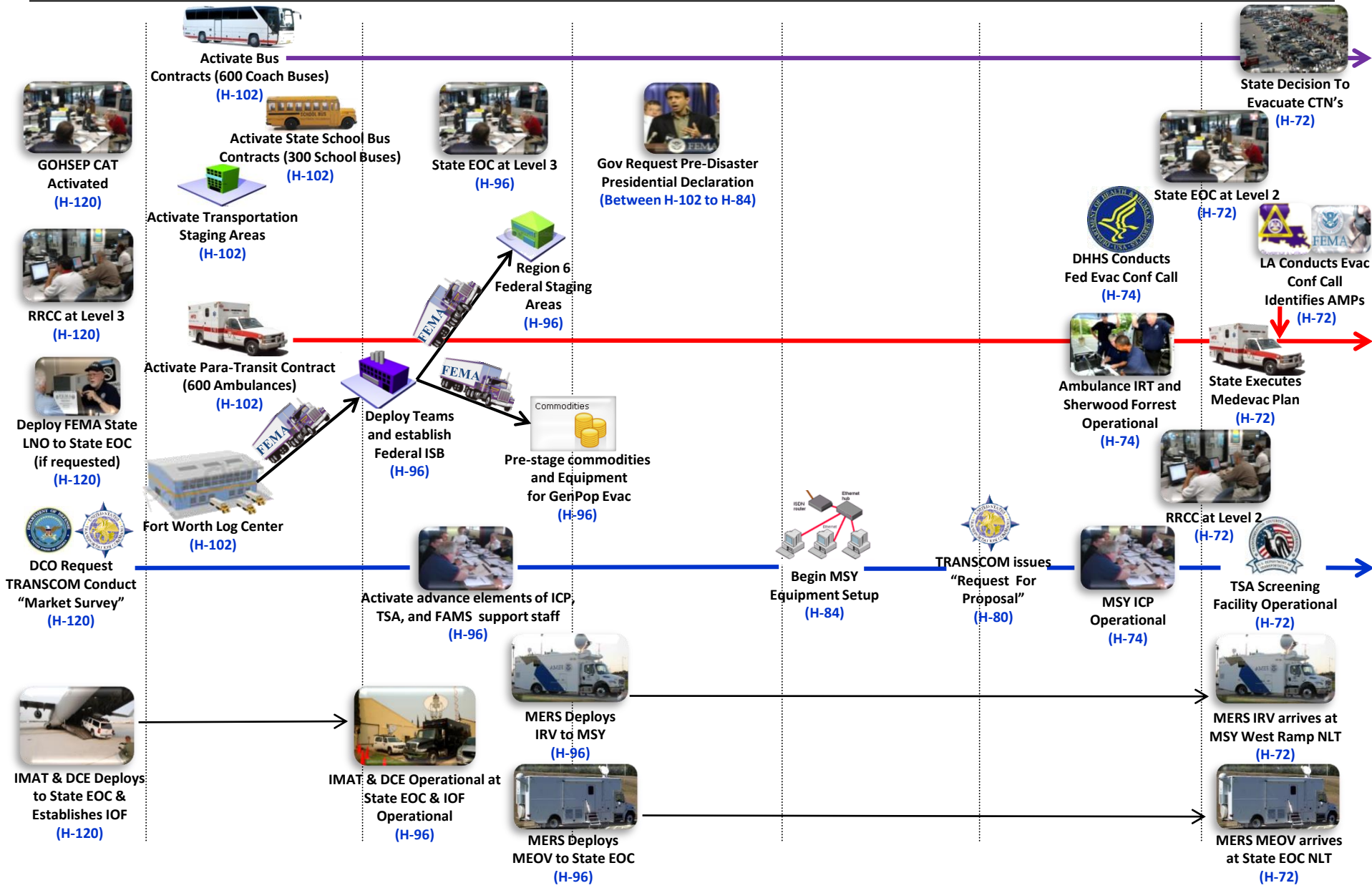
Louisiana Hurricane Response Story Board 2011 (Pre-Landfall)

H-120

H-96

H-84

H-72



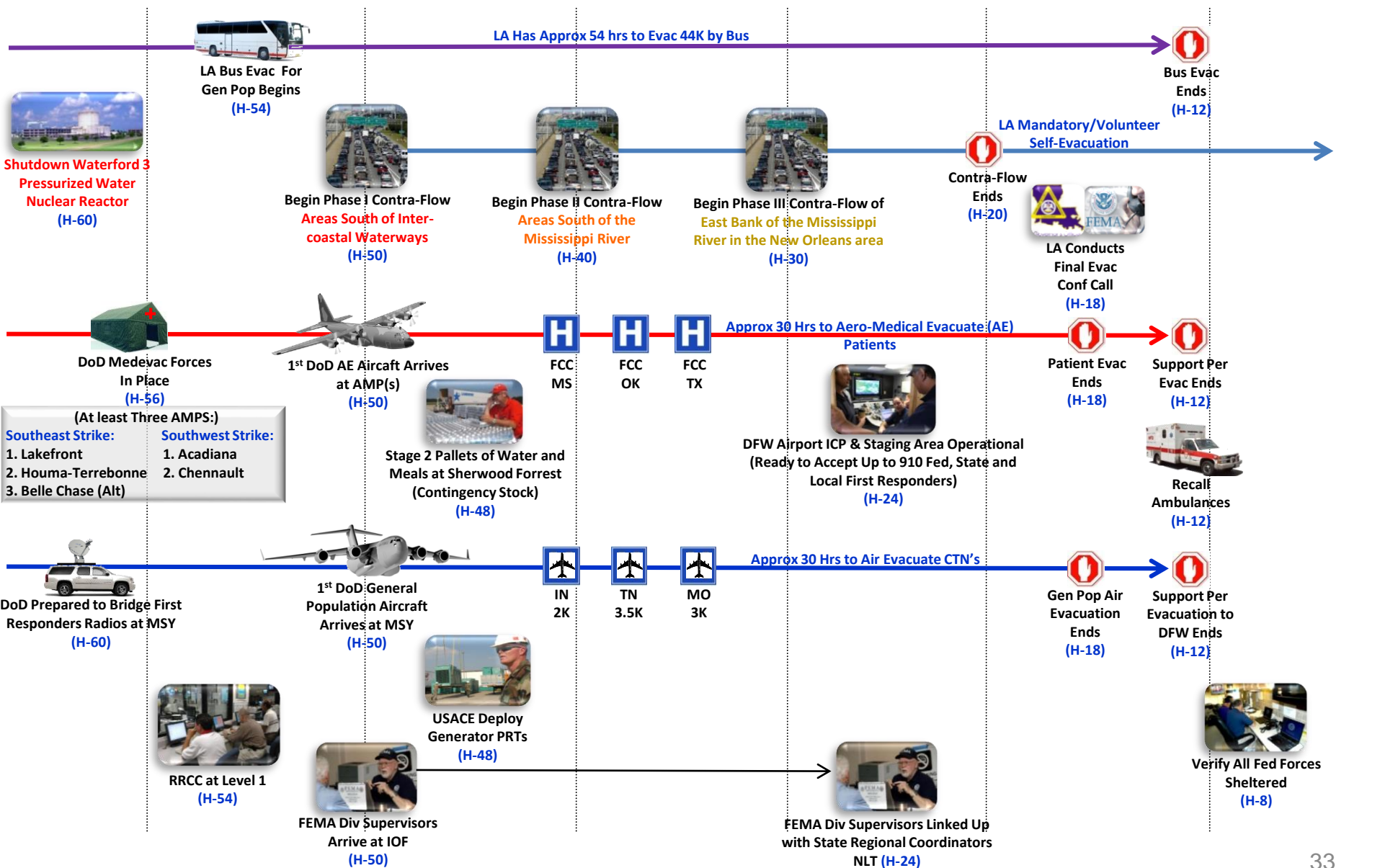
Louisiana Hurricane Response Story Board 2011 (Pre-Landfall)

H-60

H-48

H-24

H-Hr

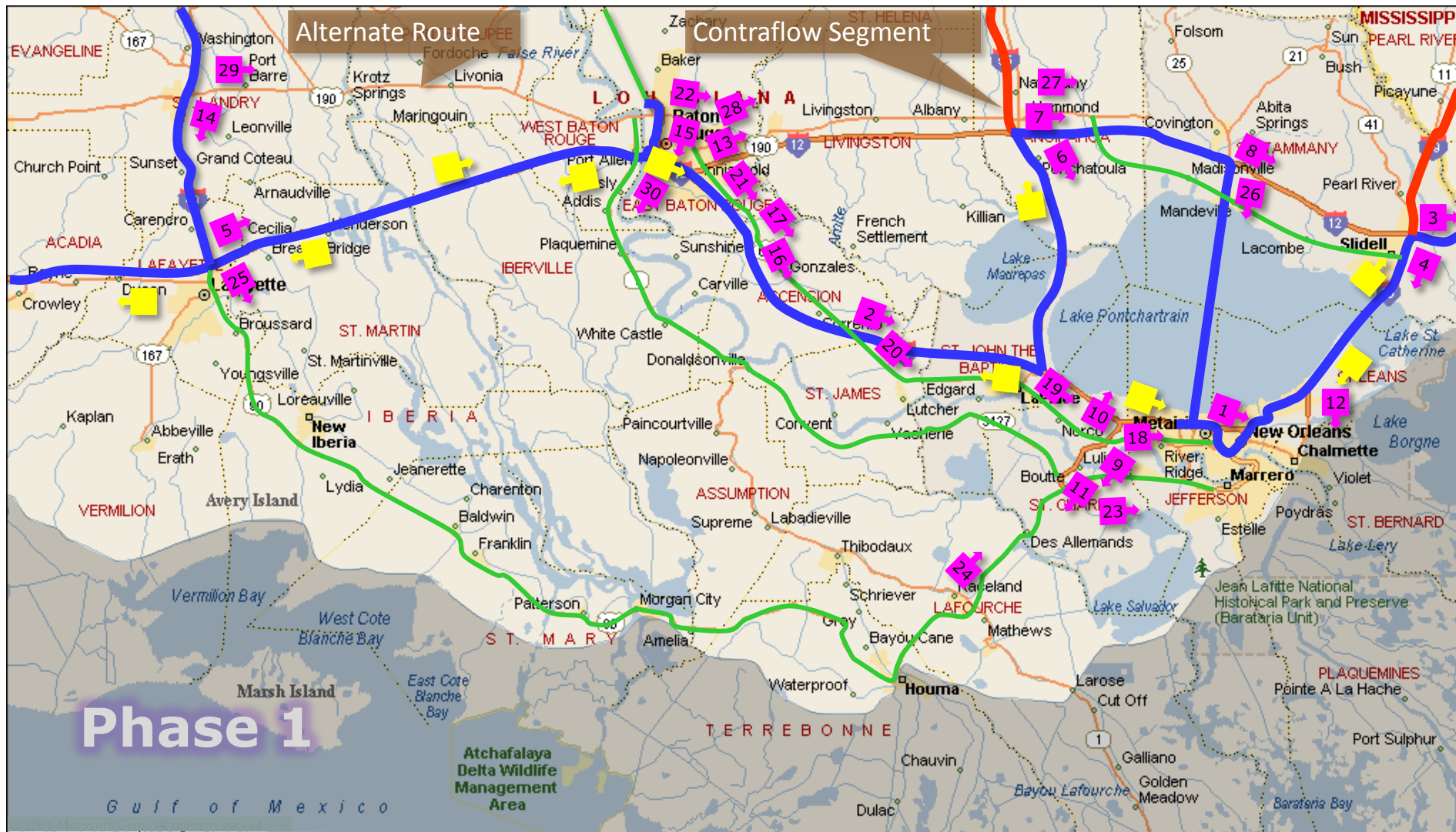




Contraflow Process

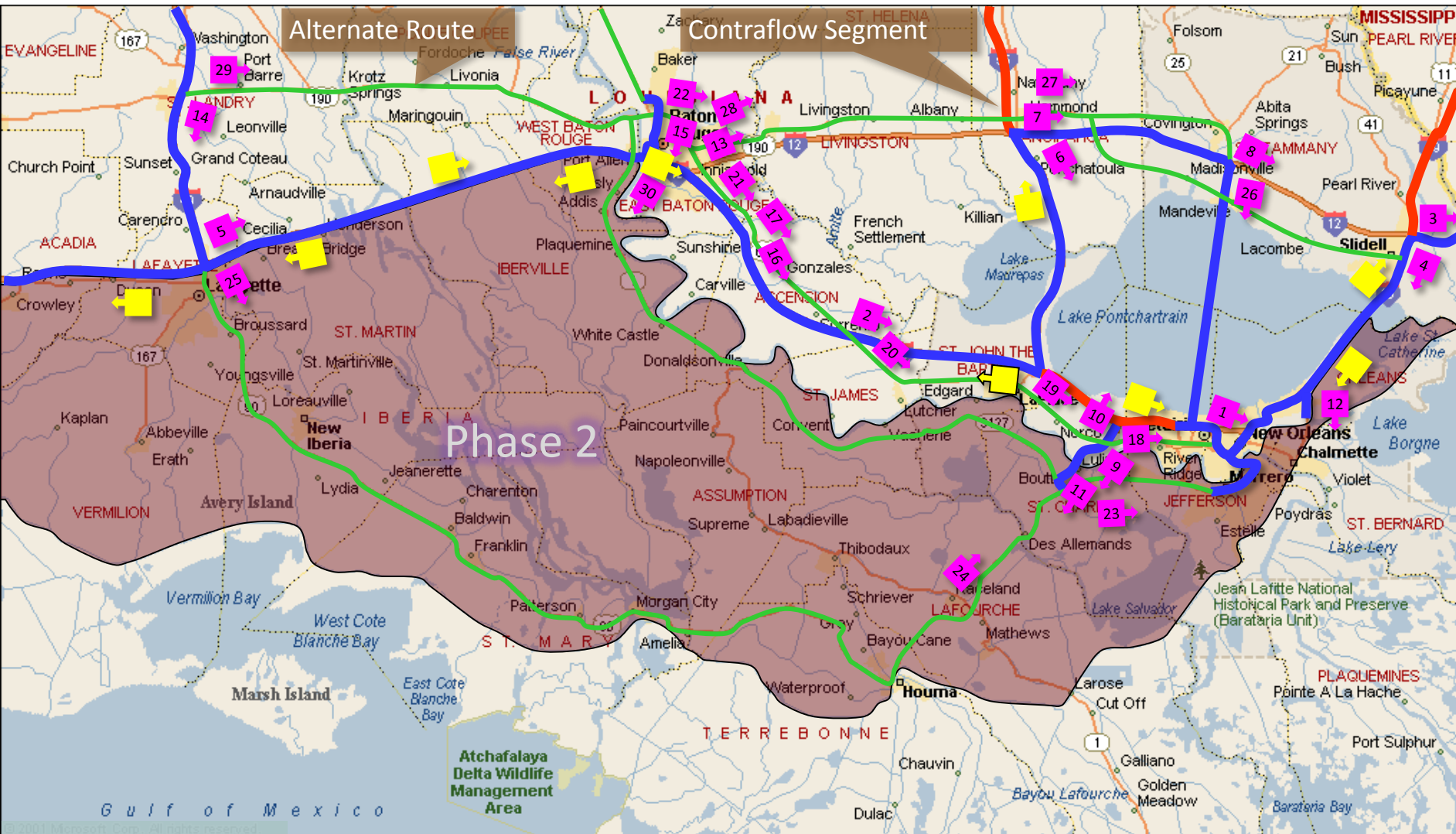
Phase 1 Evacuation

- Portable Variable Message Sign
- Permanent Variable Message Sign



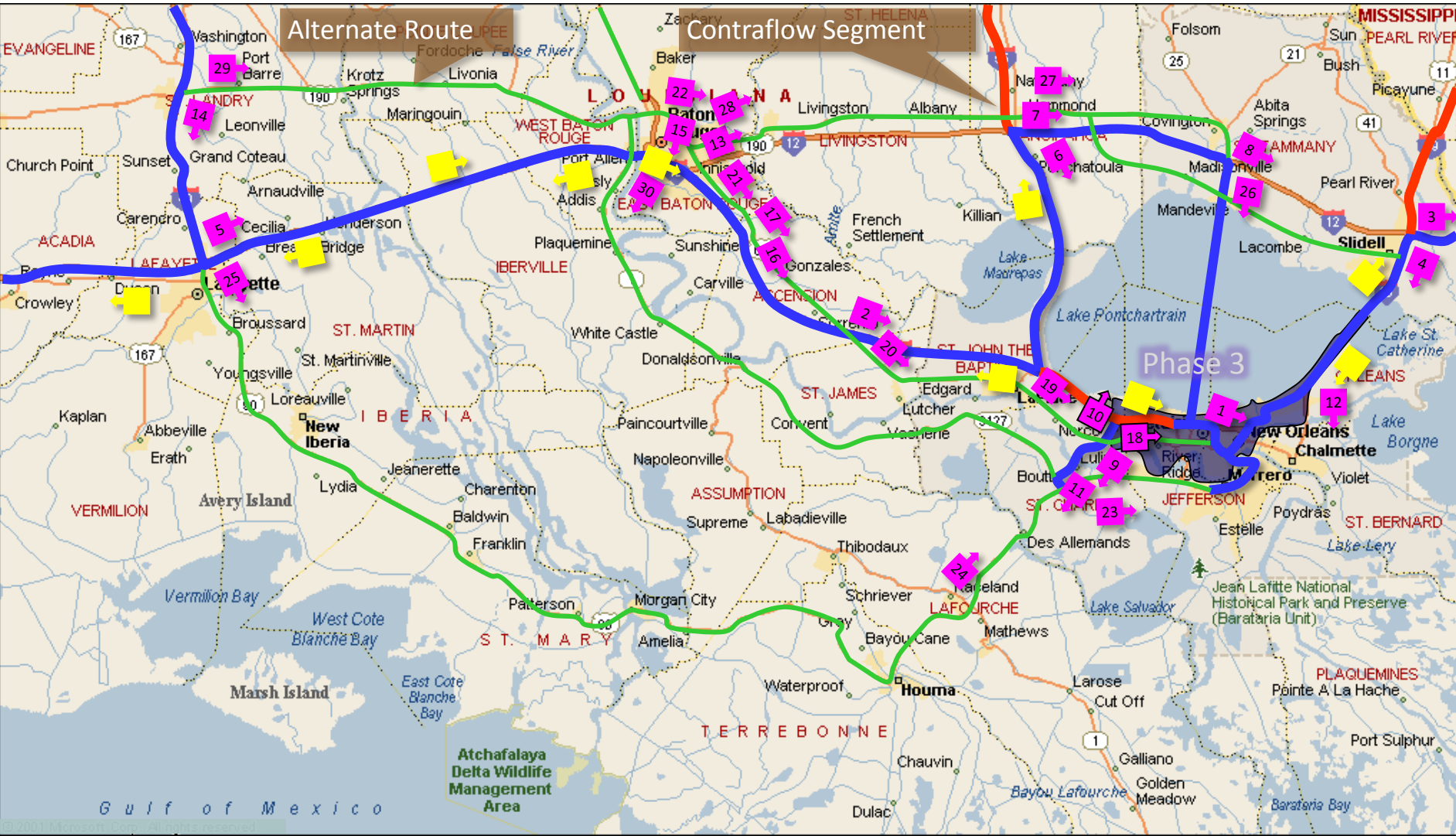
Phase 2 Evacuation

- Portable Variable Message Sign
- Permanent Variable Message Sign



Phase 3 Evacuation

- Portable Variable Message Sign
- Permanent Variable Message Sign



Contraflow





Citizens Assisted Evacuation Plan

City of New Orleans Citizens Assisted Evacuation Plan

Goal 1: Create & maintain an environment where the decision to evacuate becomes more desirable than remaining behind

- In conjunction with state officials, enhance the sheltering plan to make it more “user friendly”
- Provide more information early in the season to enable citizens to better formulate their own evacuation plans



City of New Orleans Citizens Assisted Evacuation Plan

Goal 2: Provide greater support to citizens who need special assistance

- Medical “special needs” citizens.
- Elderly, hospital cases
- No self evacuation transportation available

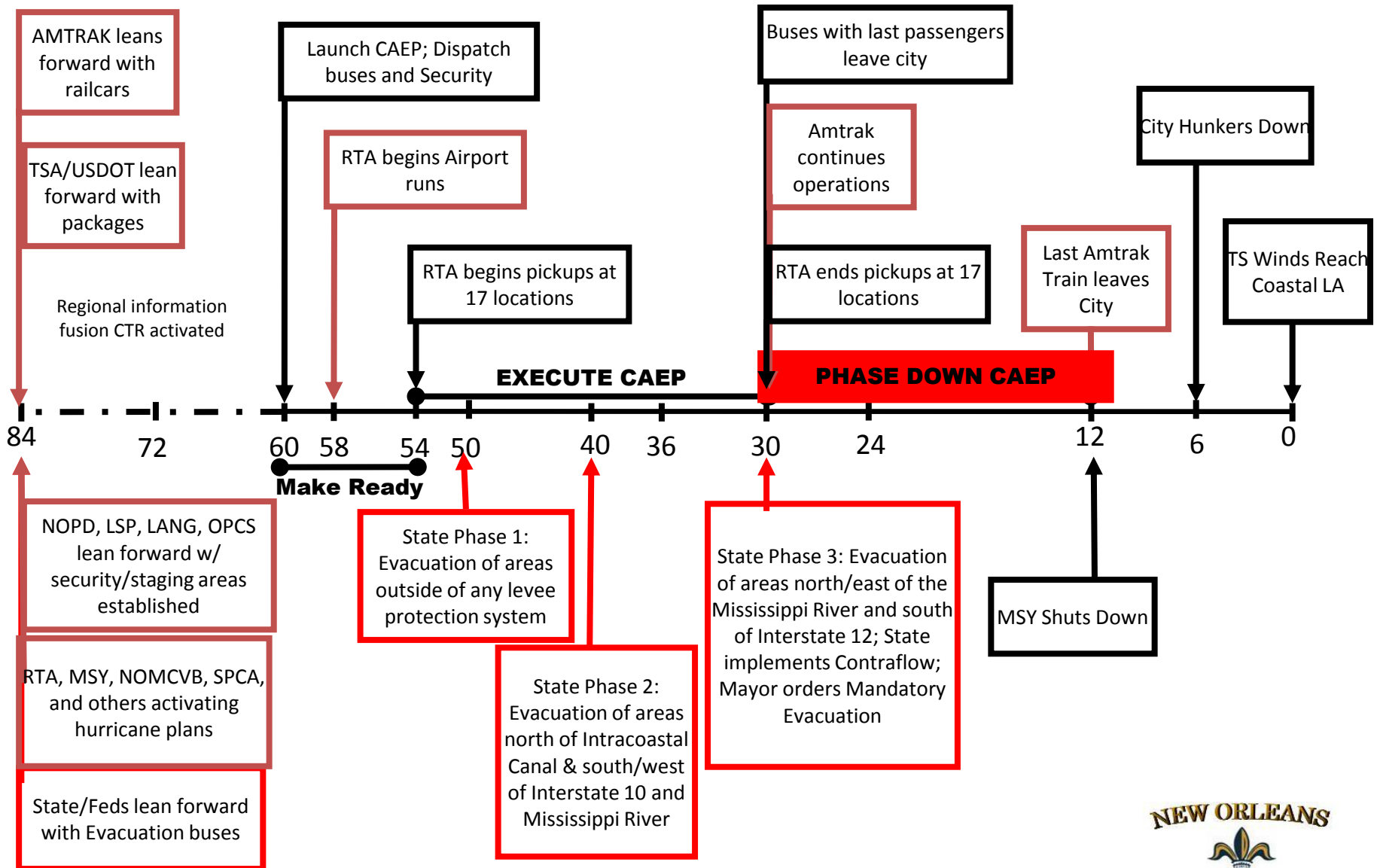
City of New Orleans Citizens Assisted Evacuation Plan

Goal 3: Implement measures to greatly enhance the security of city resources

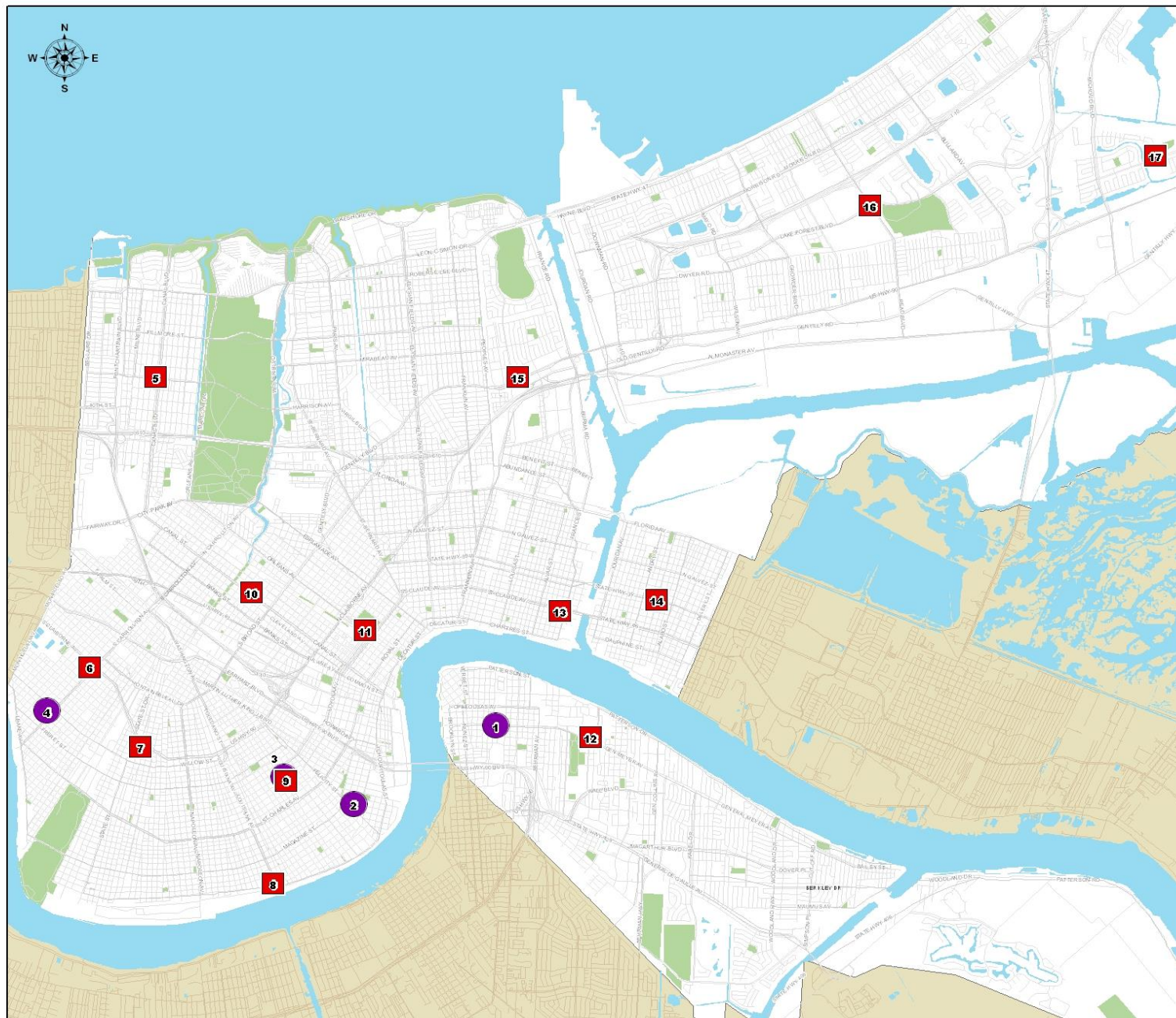
- To include:
 - Accounting for and providing safety measures to city employees
 - Comprehensive plans to protect vehicles and other equipment items
 - Anti-looting plan

New Orleans City Assisted Evacuation Plan Model Timeline

June 1, 2007



Note: This is only to be used as a guideline. It is thought to be a reasonable timeline; however, in practice, there may be more or less time available depending on the circumstances of the actual event.



Evacuation Pick-Up Locations

SENIOR CENTER LOCATIONS

1. Arthur Mondy Center
1111 Newton Avenue, Algiers
2. Kingsley House
1600 Constance Street,
Lower Garden District
3. Central City Senior Center
2020 Philip Street, Central City
4. Mater Dolorosa
1226 S. Carrollton Ave, Carrollton

GENERAL POPULATION

5. Smith Library Bus Stop
6300 Canal Blvd., Lakeview
6. Palmer Park
S. Claiborne and S. Carrollton,
West Carrollton
7. McMain High School
5712 S. Claiborne Ave, Broadmoor
8. Lyons Community Center
624 Louisiana Ave, Irish Channel
9. Dryades YMCA
1924 Philip Street, Central City
10. Warren Easton High School
3019 Canal Street, Tremé
11. Municipal Auditorium
801 N. Rampart, 7th Ward
12. O. Perry Walker High School
2832 General Meyer, Algiers
13. Stallings Community Center
4300 St. Claude, Bywater
14. Sanchez Center
Caffin & N. Claiborne, Lower 9th Ward
15. Gentilly Mall Parking Lot
Chef Menteur & Press Dr., Gentilly
16. Walgreen's
Lake Forest & Read Blvd, NO East
17. Mary Queen of Vietnam
14001 Dwyer, New Orleans East



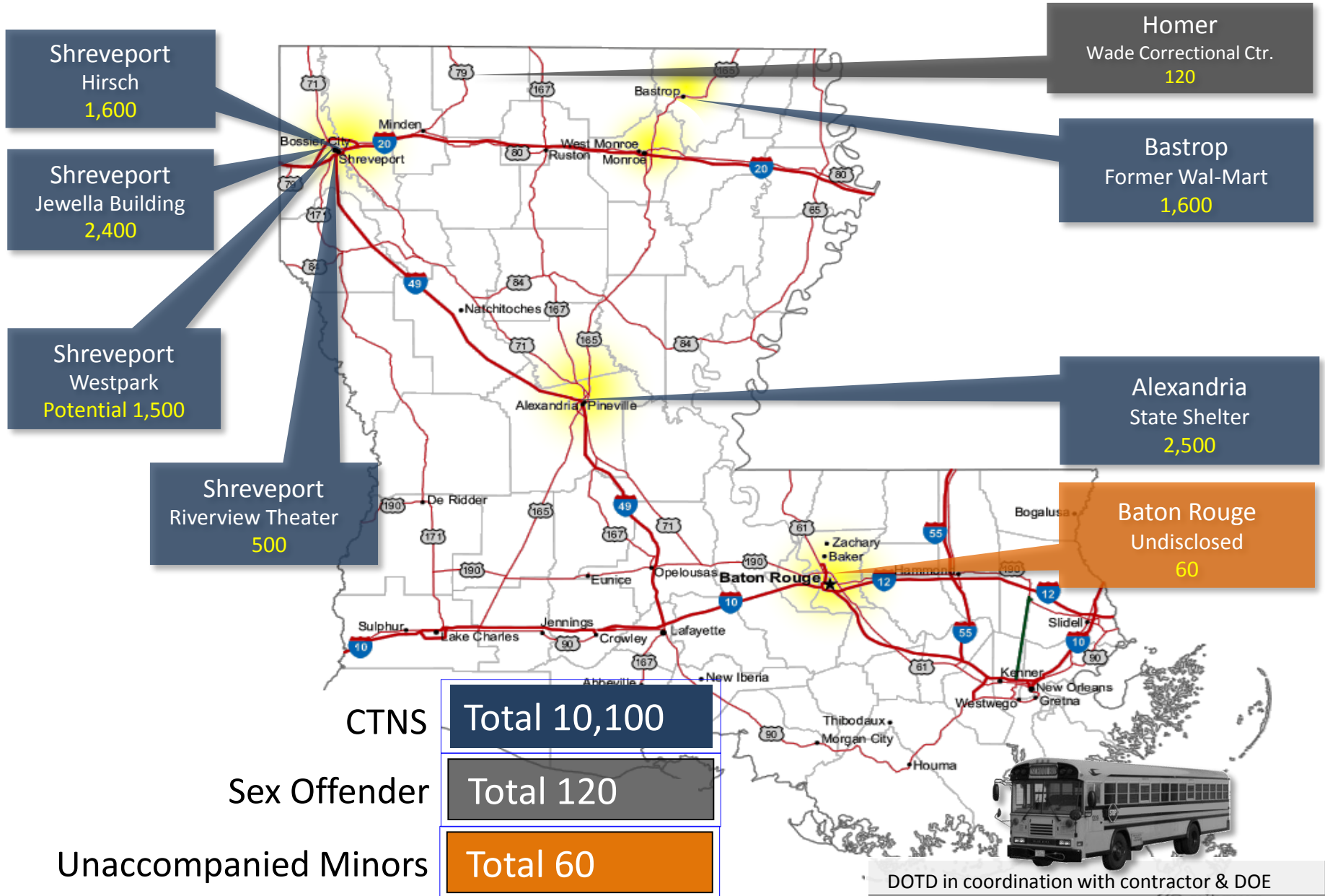
Mayor's Office of Technology
GIS Department

CITY OF NEW ORLEANS

City Assisted Evacuation Plan

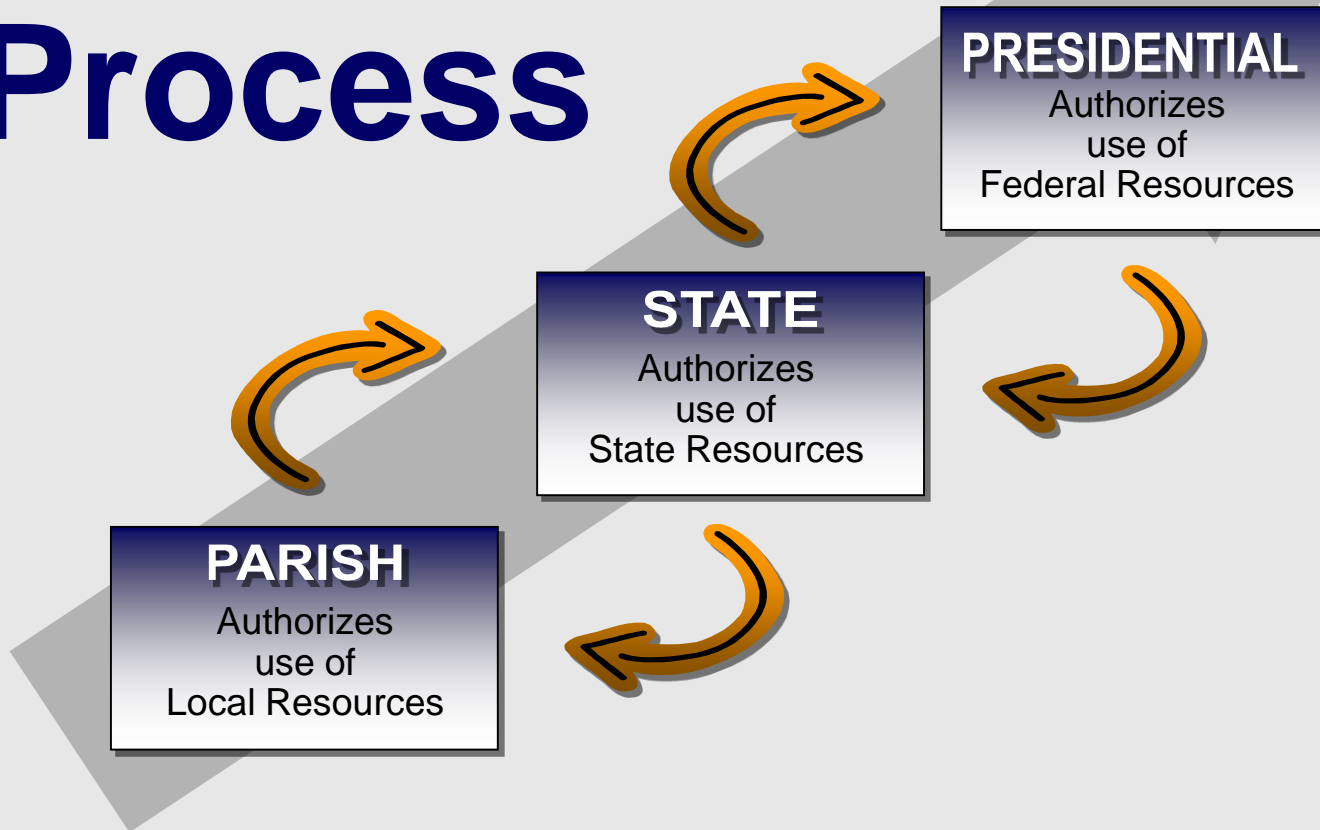
0 0.45 0.9 1.8 Miles

Critical Transportation Needs Shelters



DOTD in coordination with contractor & DOE

Declaration Process



The Emergency Management Process

