



EMERGENCY PREPAREDNESS COMMITTEE *for* CIVIL TRANSPORTATION

# Transportation Sector Climate Change Impacts



**United States  
Department of  
Transportation**



Transport  
Canada

Transports  
Canada



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# Effects on Transportation Systems



*US 90 Port St Louis Bridge, after Katrina. Replacement cost \$266 million.*

# National Level Actions

- Presidential Policy Directive 8
- Presidential Policy Directive 21
- Federal Flood risk Management
  - Executive Order 11988
  - Executive Order 13690
- President's Climate Action Plan
- National Seismic Standard
- National Building





# Department of Transportation Priorities

Planning

Asset Management

Tools

# Resilience





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Focus Area	BART	CTA	MARTA	LACMTA	SEPTA	Sound	Gulf
Climate Risks Analysis	X	X	X	X	X	X	X
Sea Level Rise	X			X		X	X
Flooding	X	X	X	X	X	X	X
Downpours	X	X	X	X	X	X	X
Extreme Heat		X	X	X	X	X	X
Tropical Storms/ Hurricanes					X		X
Snow		X			X		
Lessons/Past Experience	X	X	X	X	X	X	X
System Vulnerabilities	X	X	X	X	X	X	X
Adaptation Strategies	X	X	X	X	X	X	X
CBA/Cost of Response	X	X	X				X
Integration into System		X	X	X			



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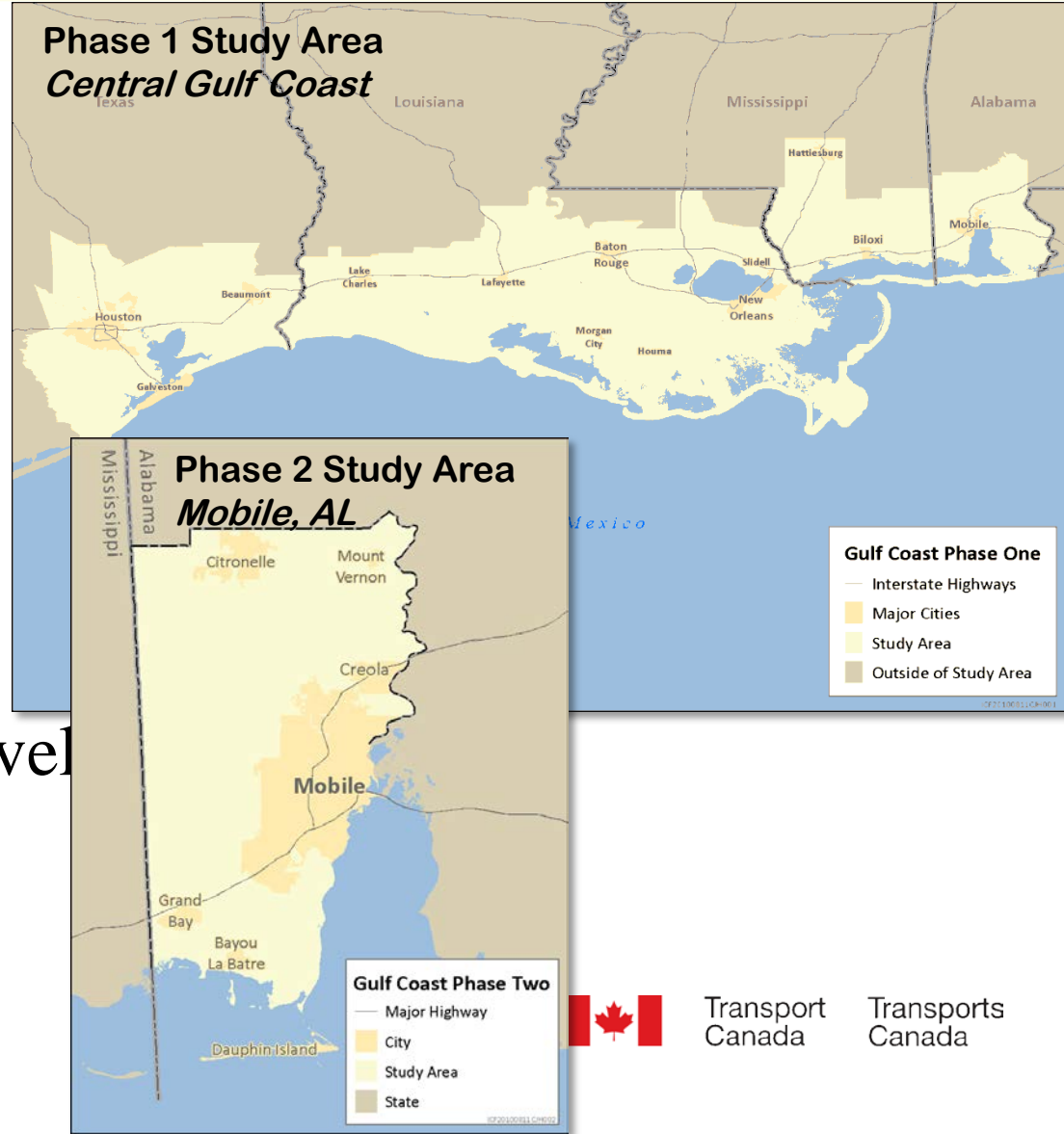
# Department of Transportation Actions





# Tools

- Gulf Coast Study
- Transportation Climate Impact Quantification Initiative
- Hampton Roads Sea level Rise Study





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Questions?