

Energy in North Florida: Policy and Resiliency Workshop

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Vulnerabilities

- Facility Security
- Natural Disasters
- Manmade Disasters
- External Factors Outside of the Control of the United States
- Economic Model to Estimate Impacts of Disruptions, Disasters, and Policy Changes



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Disaster Preparedness

- Energy – Emergency Support Function 12 of Comprehensive Emergency Management Plan
- State Emergency Operations Center has two energy sections – Power and Fuels
- Annual Statewide Hurricane Exercise
- Statewide Geomagnetic Storm Exercise, April 17-18-19, 2012



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Facility Security

- Chemical Facility Anti-Terrorism Standards
- National Infrastructure Protection Plan
- Critical Infrastructure Planners for Regional Domestic Security Task Forces
- Training and Exercises
- Port Security is a Priority

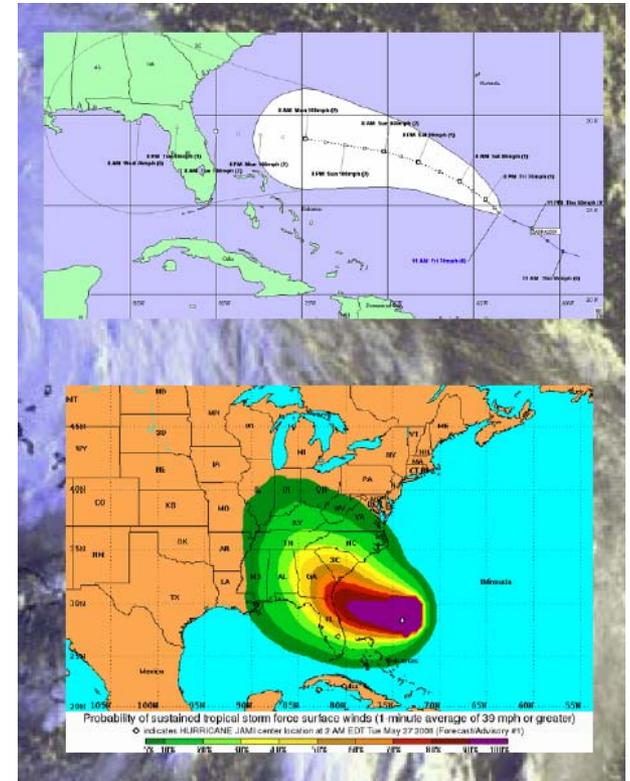


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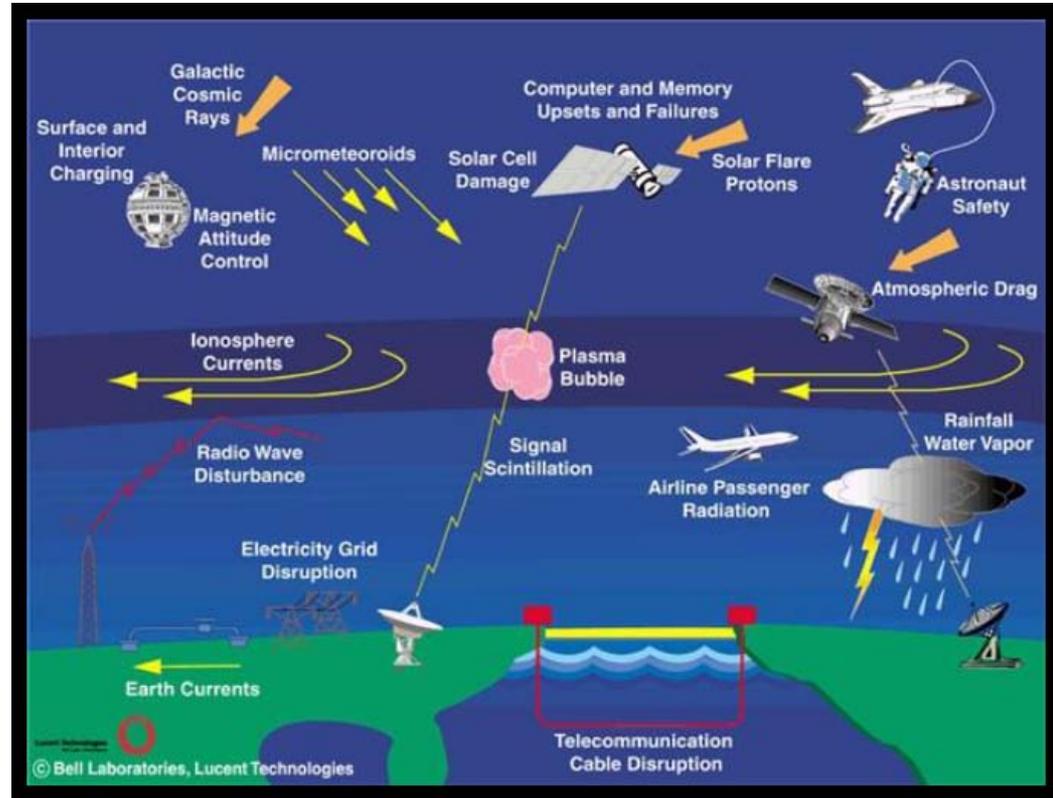
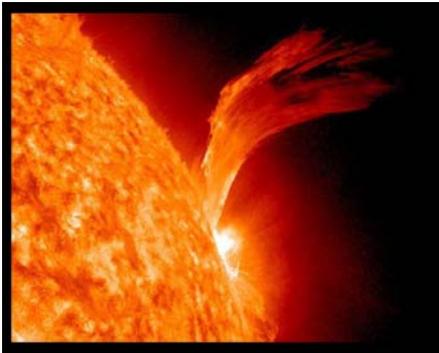
Natural Disasters

- Hurricanes and Tornados
- Floods and Wildfires
- Droughts



Natural Disasters

- Geomagnetic Storms
- Solar Winds
- Coronal Mass Ejections



Natural Disasters

- Tsunamis – Extremely Low Probability
- Earthquakes – Very Low Risk
- Winter Storms and Freezes – 5 Federally Declared Disasters Since 1971



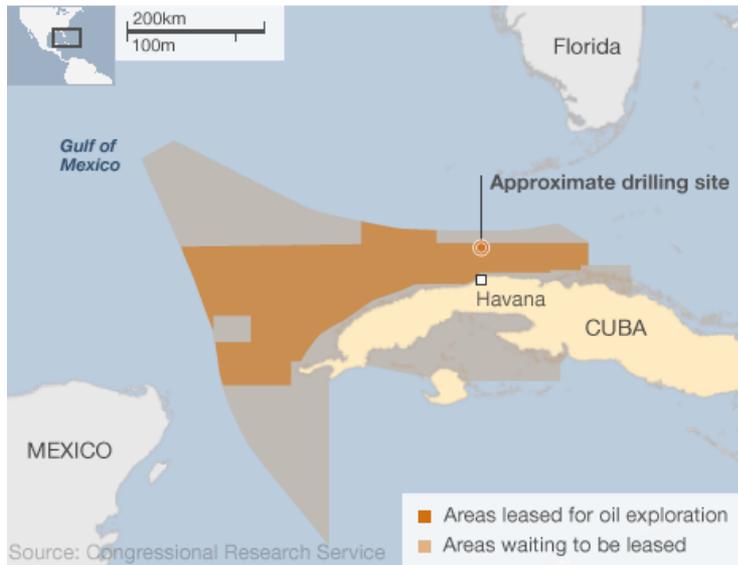
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Manmade Disasters

- Deep Water Horizon Oil Spill
- New Deep Water Drilling Off Cuba

Oil exploration in Cuban waters



Manmade Disasters

- Hazardous Materials Response Teams
- Local Emergency Planning Committees and State Emergency Response Commission



External Factors Outside of the Control of the United States



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External Factors Outside of the Control of the United States



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Economic Model to Estimate Impacts

- Disruptions
- Disasters
- Price Increases or Decreases
- Policy Changes



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Double the Price of Gasoline and Oil

<i>North Central</i>	TODAY	2020	LOSS in 2020	Decrease in 2020
EMPLOYMENT	244,648	302,242	-2,734	0.9 percent
GRP	16 Billion	26 billion	199 million	0.8 percent
Personal Income	15.4 Billion	27 Billion	251 million	0.8 percent
<i>Northeast</i>	TODAY	2020	LOSS in 2020	Decrease in 2020
EMPLOYMENT	828,649	1.05 million	-11,000	1 percent
GRP	71 Billion	123 Billion	993 million	0.8 percent
Personal Income	60 Billion	110 Billion	1.1 Billion	0.9 percent



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