

# Nova Southeastern University Panel Discussion

June 16, 2010

**David Mica**

Executive Director

**Florida Petroleum Council**

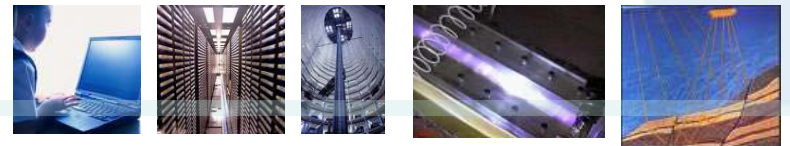


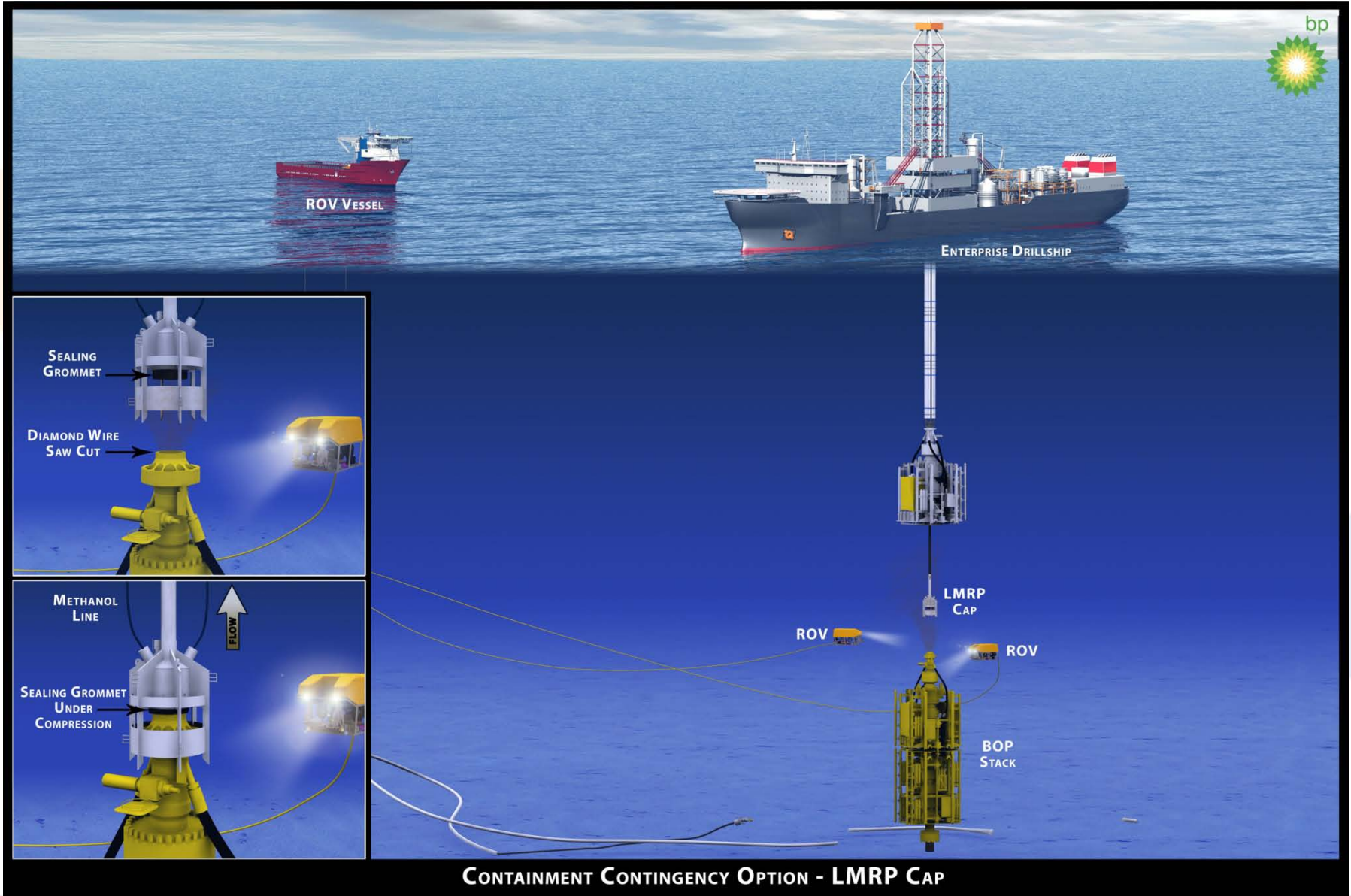
# Florida Petroleum Council

- **Division of the American Petroleum Institute**
- **Represent All Segments of the Petroleum Industry**
  - ✓ **Exploration**
  - ✓ **Production**
  - ✓ **Refining**
  - ✓ **Transportation**
  - ✓ **Retailing**

# Short-term energy strategy

- Safety is core value
- Protecting environment is core value
- Gulf Incident Response
  - ✓ Cap the well
  - ✓ Recover released oil
  - ✓ Rehabilitate affected areas
  - ✓ Evaluate industry standards









OIL RECOVERY/CONTAINMENT  
DISCOVERER ENTERPRISE



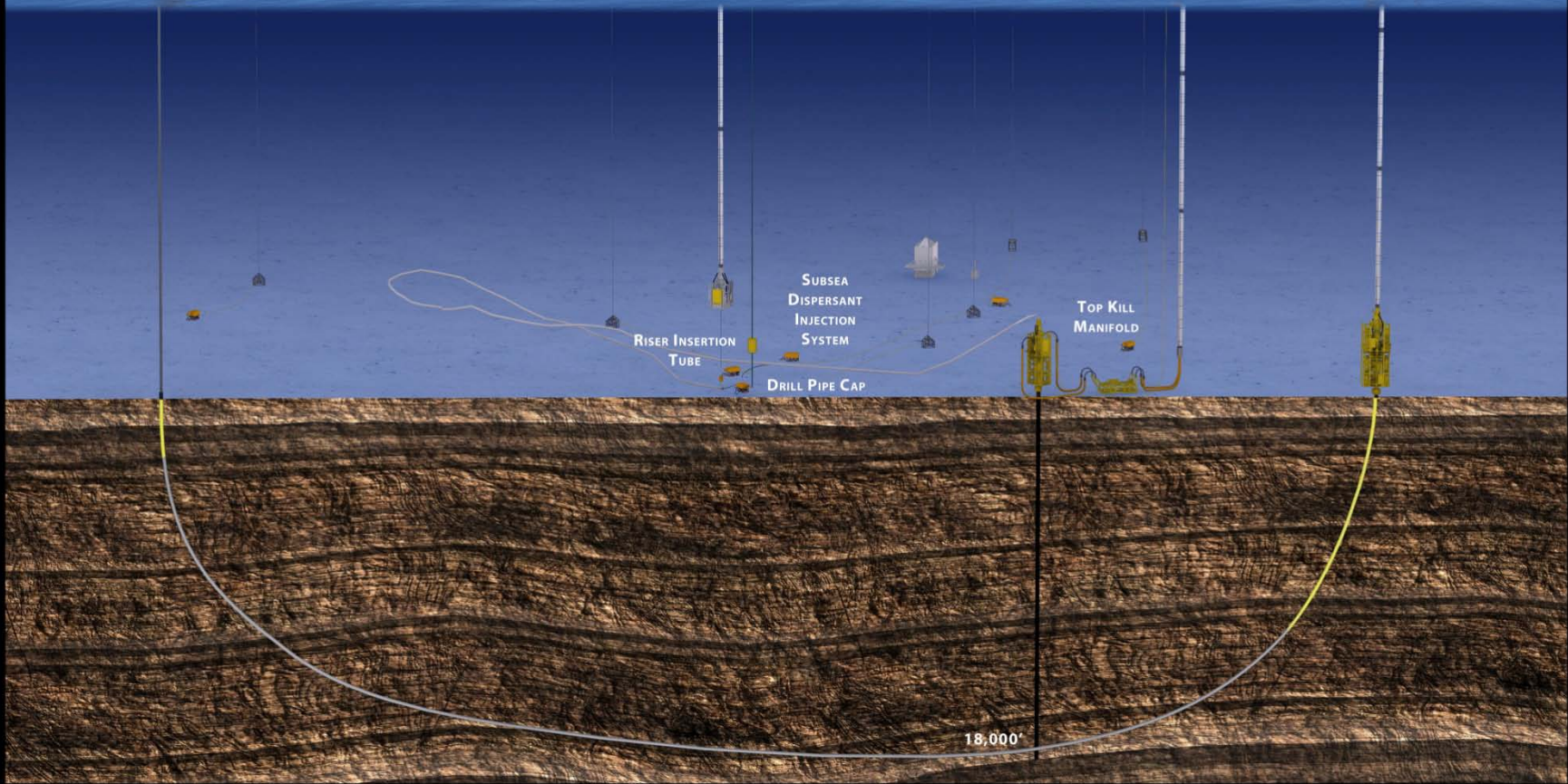
RELIEF WELL 2  
DDII



TOP KILL  
HELIX Q4000



RELIEF WELL 1  
DDIII



**HORIZON RESPONSE CURRENT STATE OF INTERVENTION OPERATIONS**



Spotter/Observer

Dispersant

Free Oil Recovery

Aircraft

Skimming

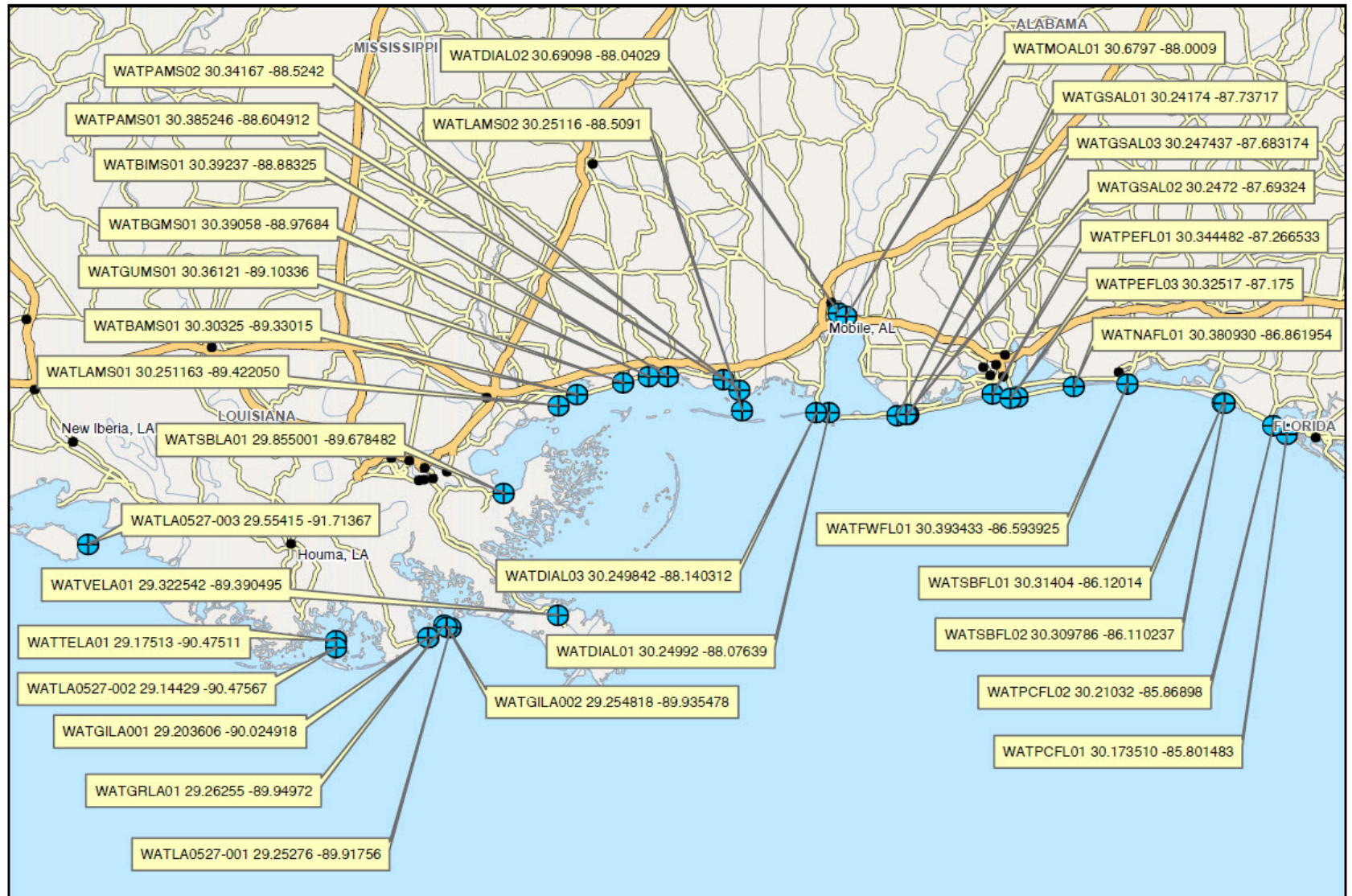
Vessels

Controlled Burning  
Successfully Deployed

Oil Spill Response Operation

JEAN-CLAUDE LEGA



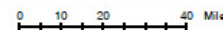


### Gulf Coast Water Sampling Locations

#### Legend



Surface Water Sampling Station



Mississippi Canyon 252

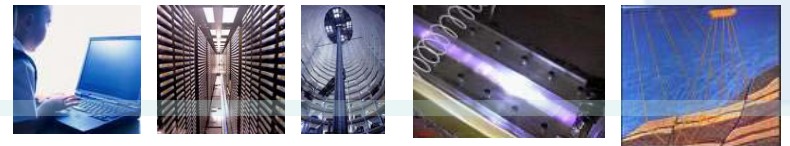
Prepared By:

Center for Toxicology and Environmental Health, L.L.C.



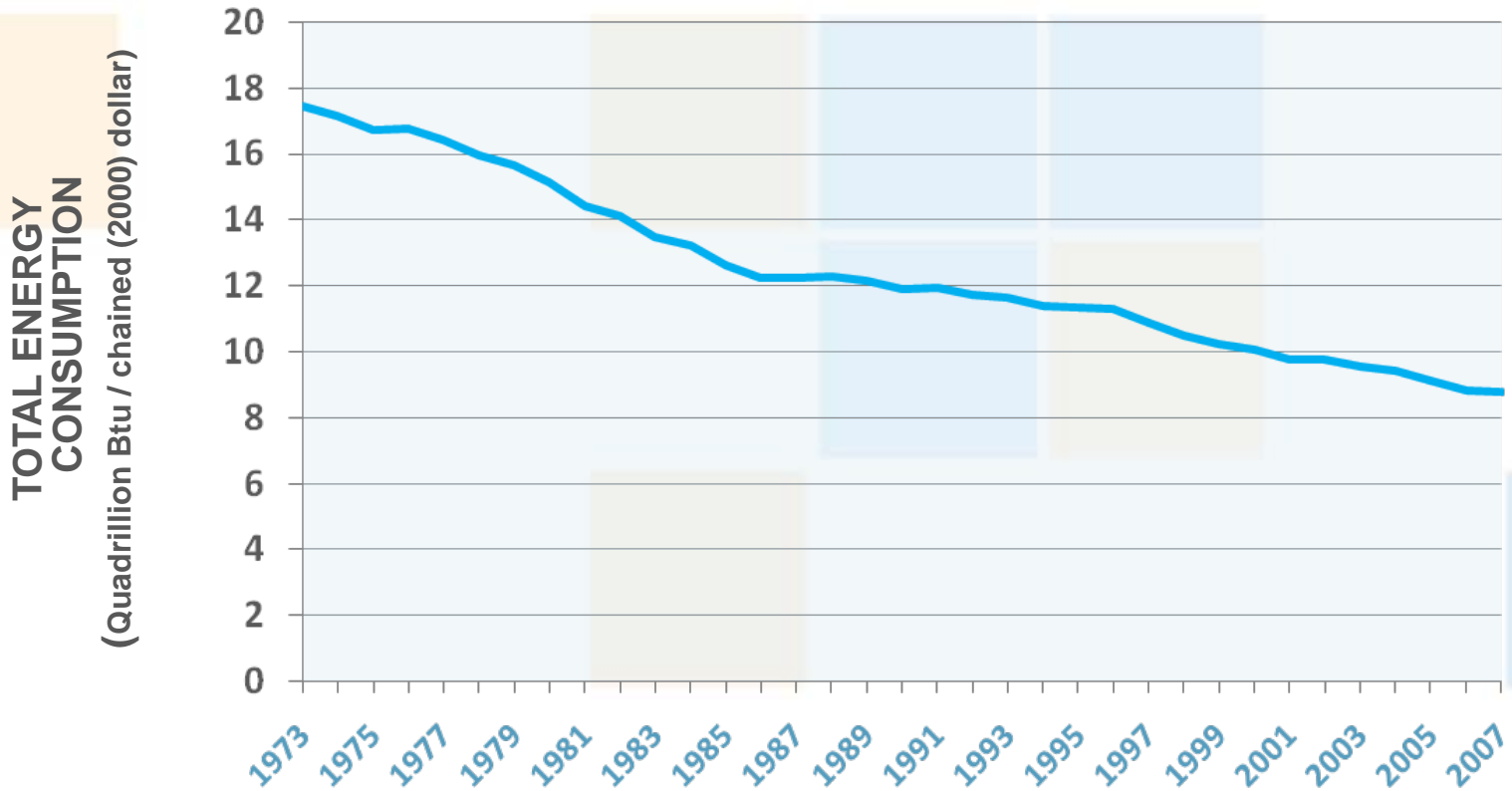
# Long-term energy strategy

- Focus on efficiency
- Increase American supplies
- Use of alternatives, renewables
- Investment in technology



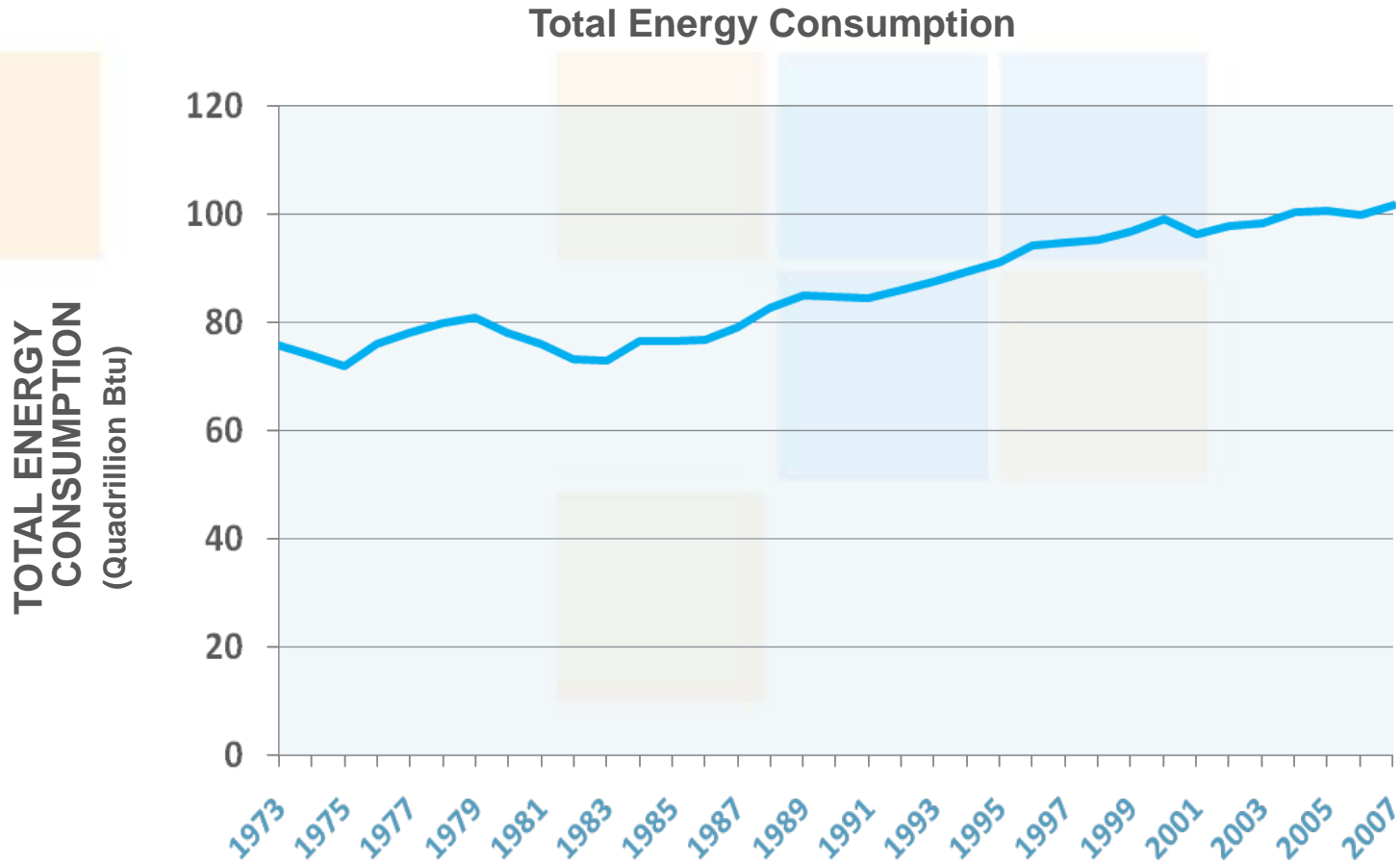


## Efficiency Improves...



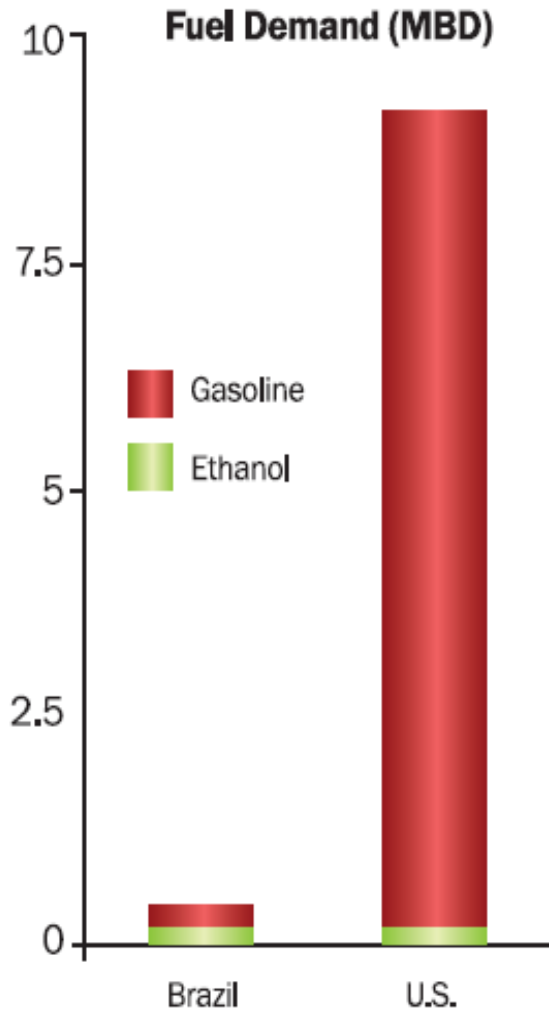
Source: EIA May 2008 Monthly Energy Review

## ...Demand Increases



Source: EIA May 2008 Monthly Energy Review

## Ethanol in Brazil

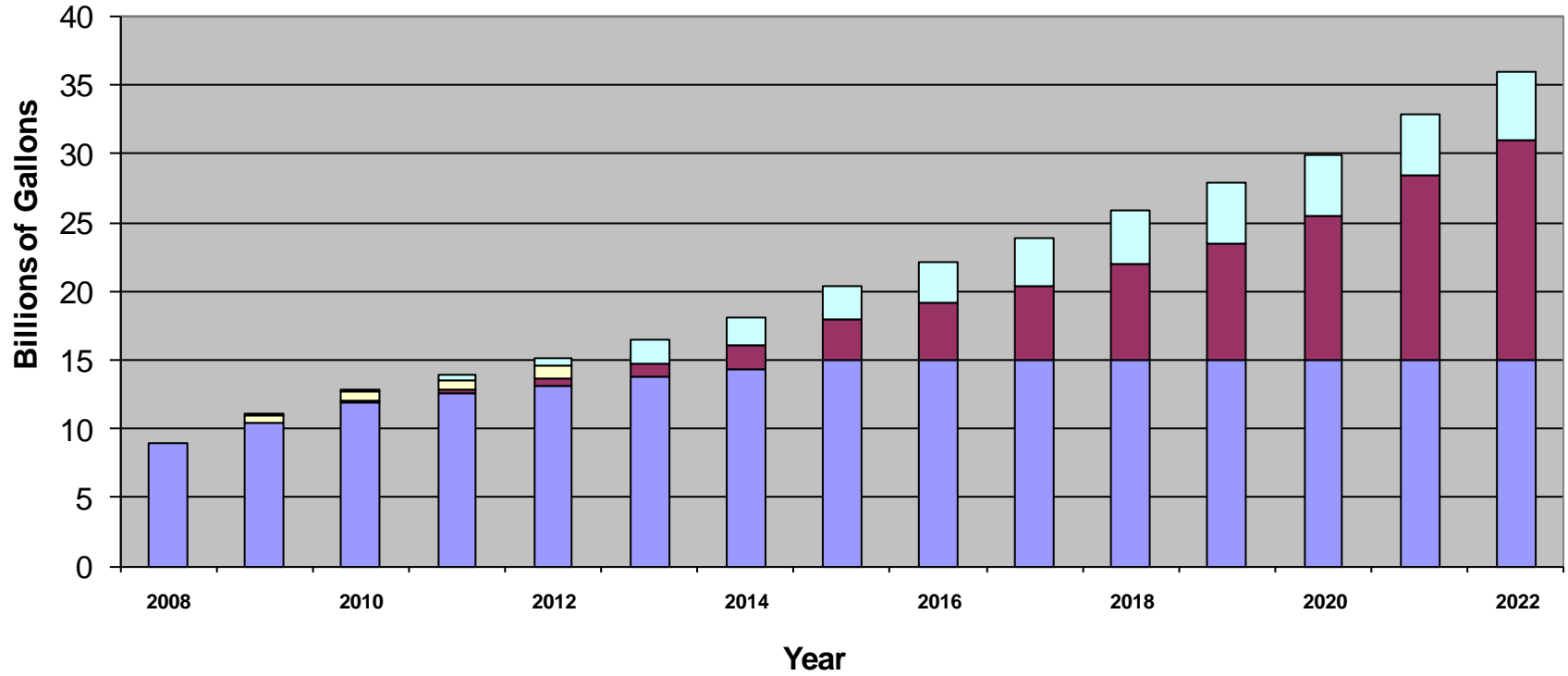


### Brazilian Ethanol (Sugar Cane Derived)

- ❖ Ethanol meets 45% of Brazil's Gasoline Demand
- ❖ Lowest Ethanol production costs in the world
- ❖ Climate, Geography and Labor costs conducive to sugar production
- ❖ Brazilian model not applicable to U.S. in terms of scale/cost
- ❖ U.S. tariff to imported ethanol is \$0.54/gallon

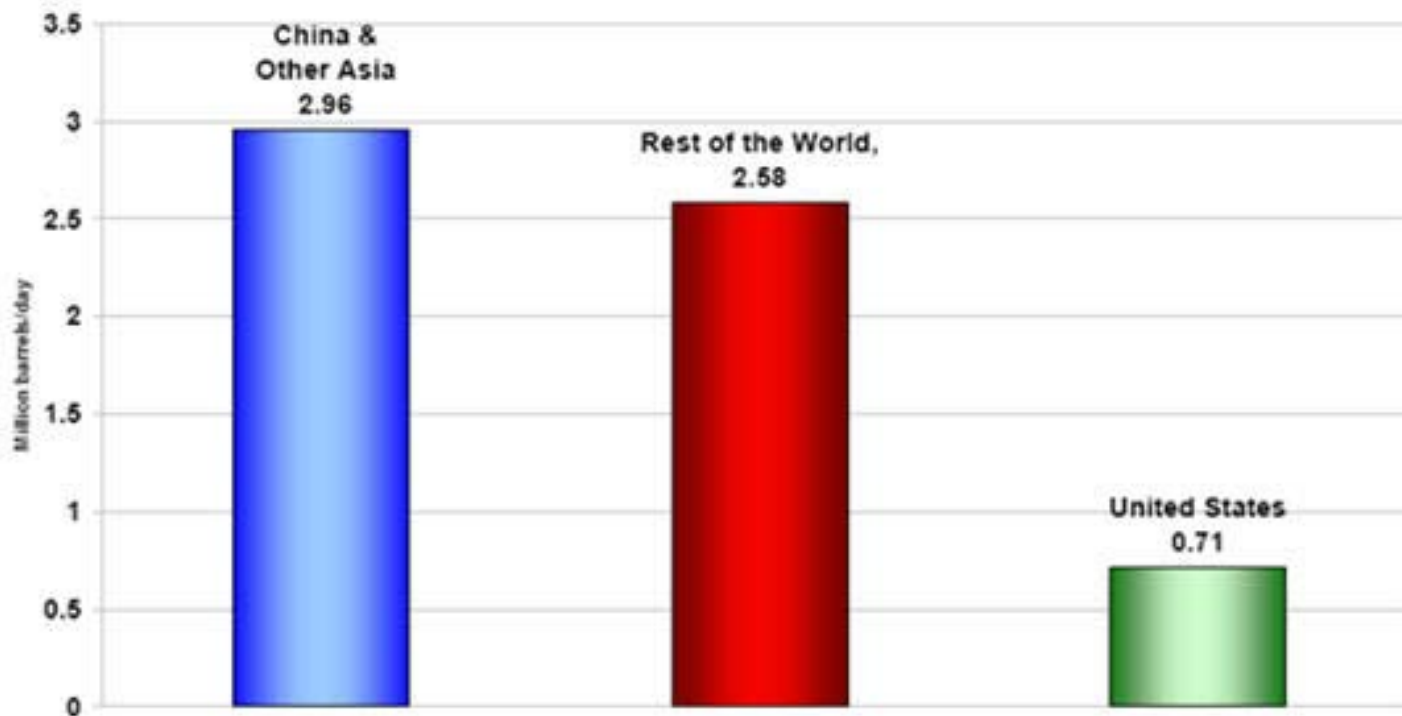


# 2007 U.S. Energy Independence and Security Act



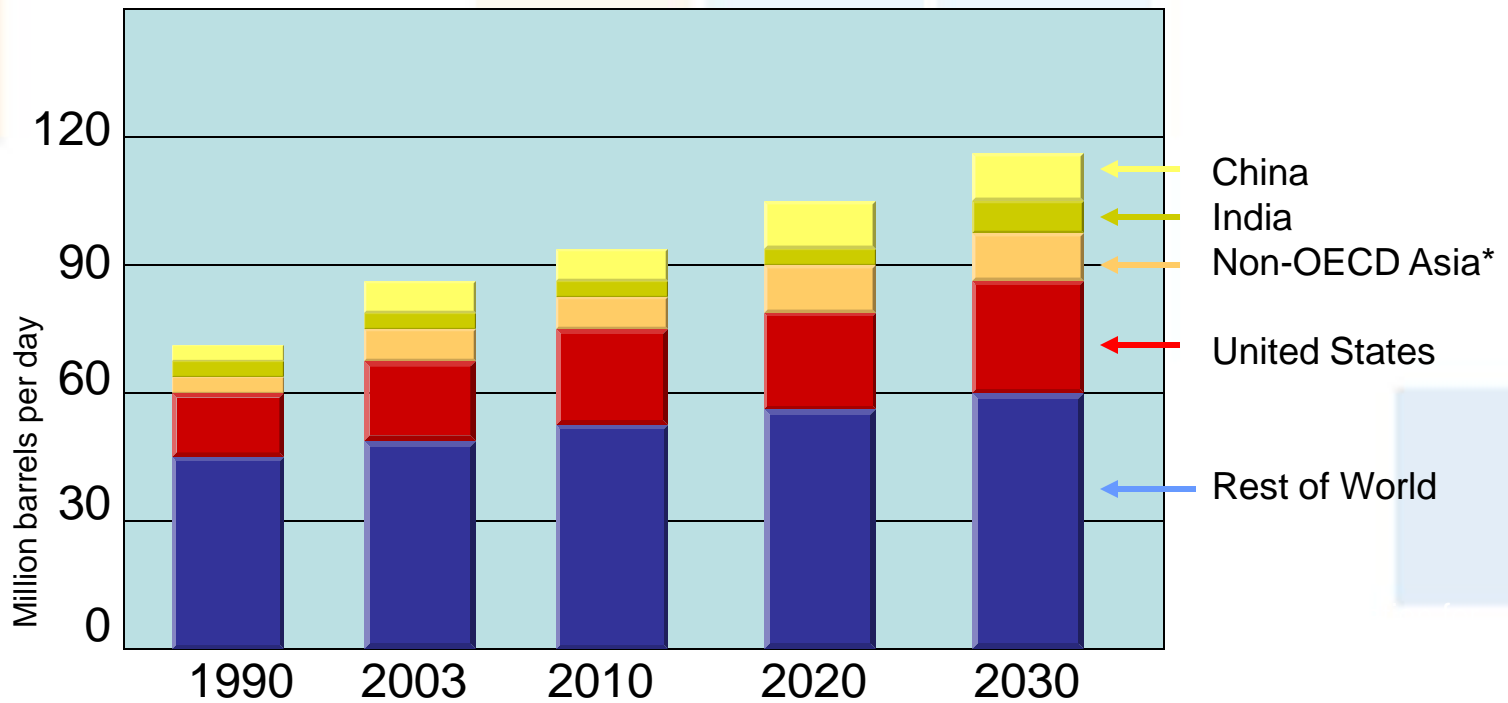
■ Renewable Biofuel ■ Cellulosic Biofuel ■ Biomass Diesel ■ Advanced Biofuel

## Growth in Oil Consumption (2003-2007)\*



\* According to EIA, in 2003 worldwide oil consumption averaged 79.61 million barrels per day and in 2007 it averaged 85.86 million barrels per day

## Long term world oil demand forecast



Source: International Energy Organization, 2006



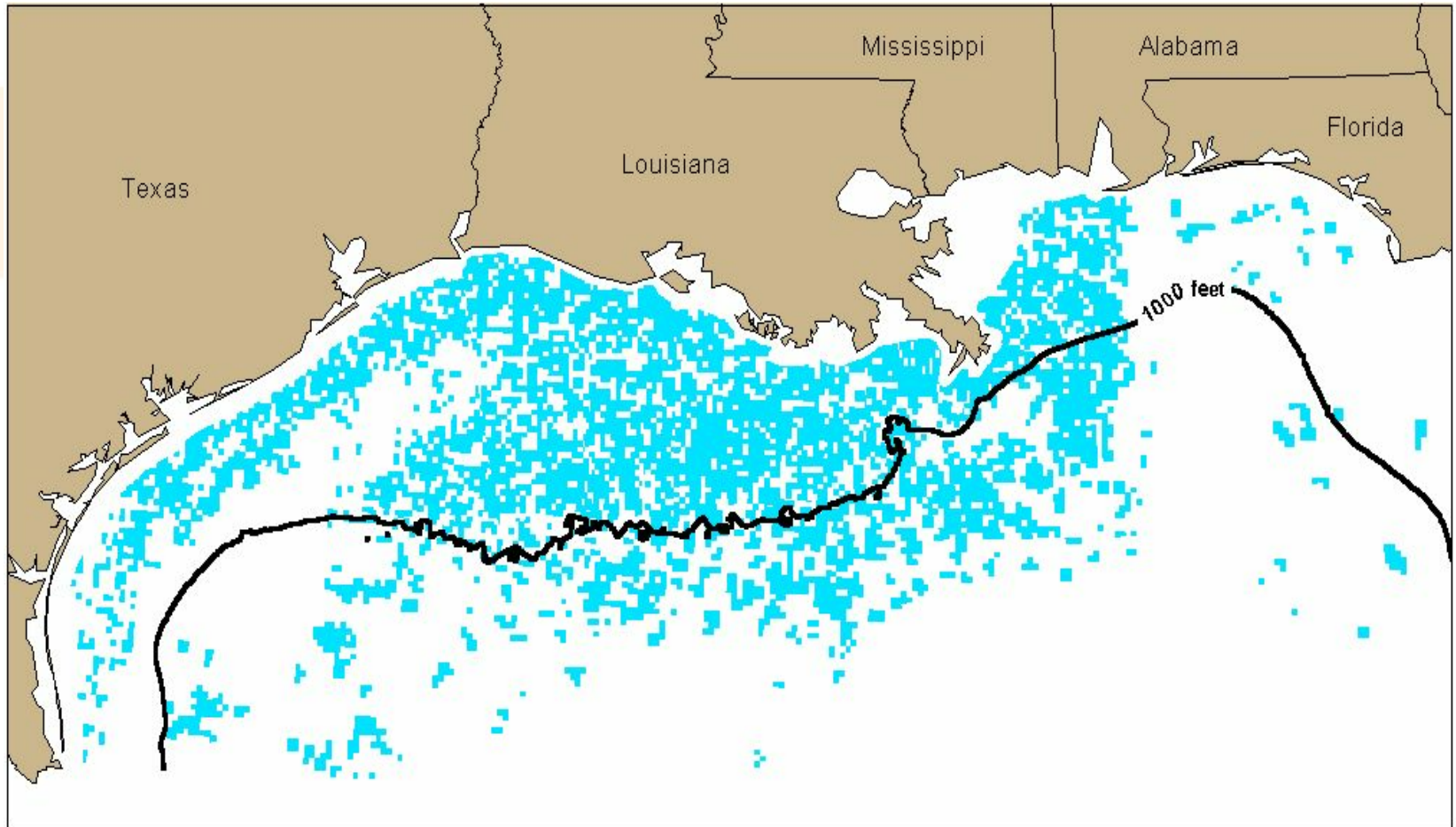
## Domestic Resources Off-limits due to Federal Controls



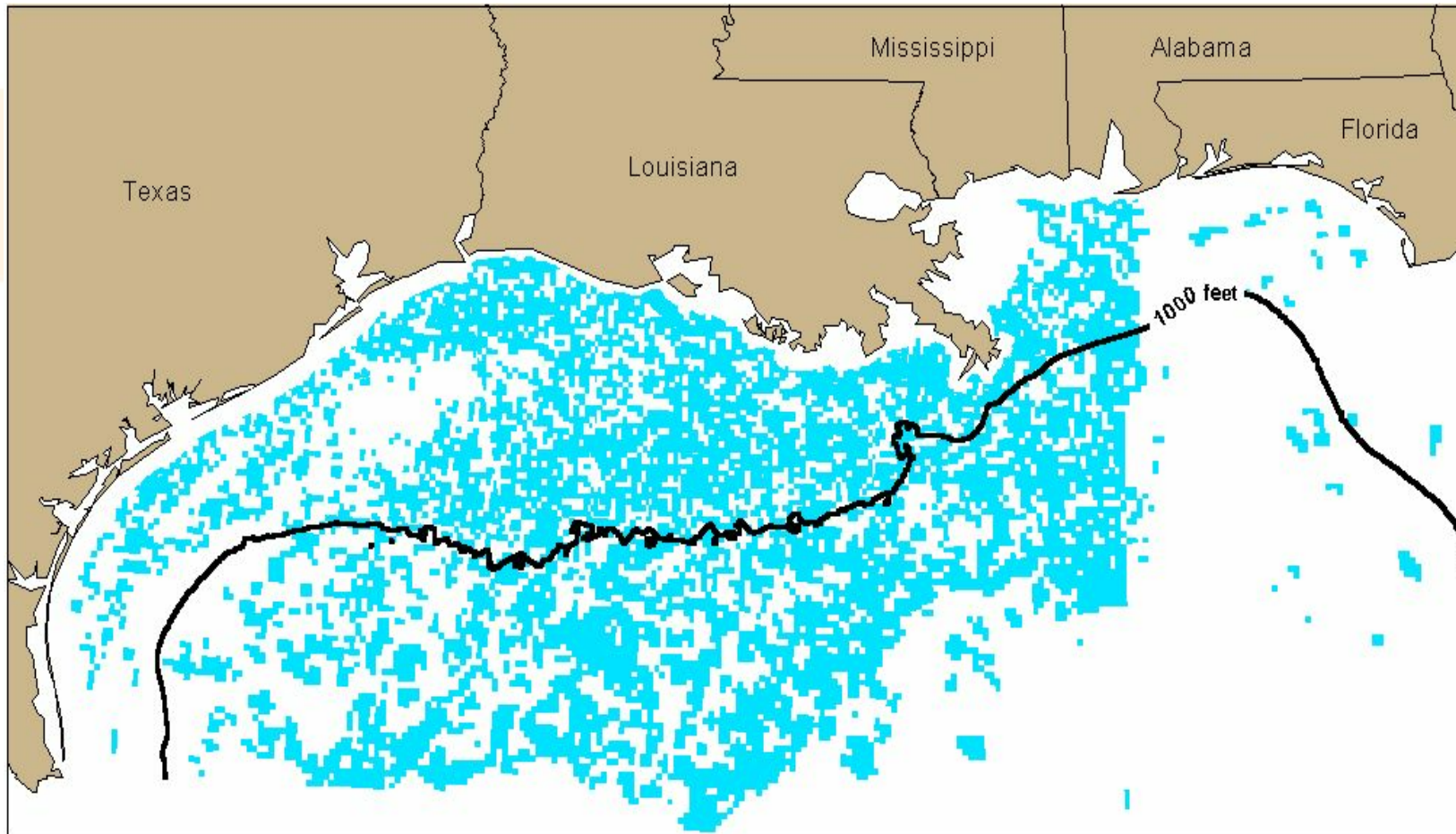
Enough oil  
to fuel  
**60 million cars**  
and  
**25 million homes**  
for **30 years**

Enough natural gas  
to heat  
**60 million homes**  
for  
**160 years**

# GOM Active Leases - 1995



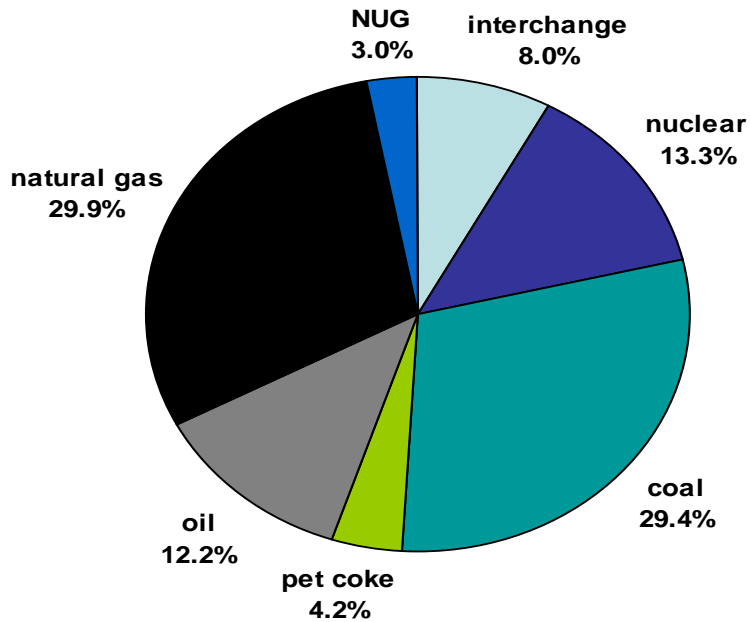
# GOM Active Leases - 2001



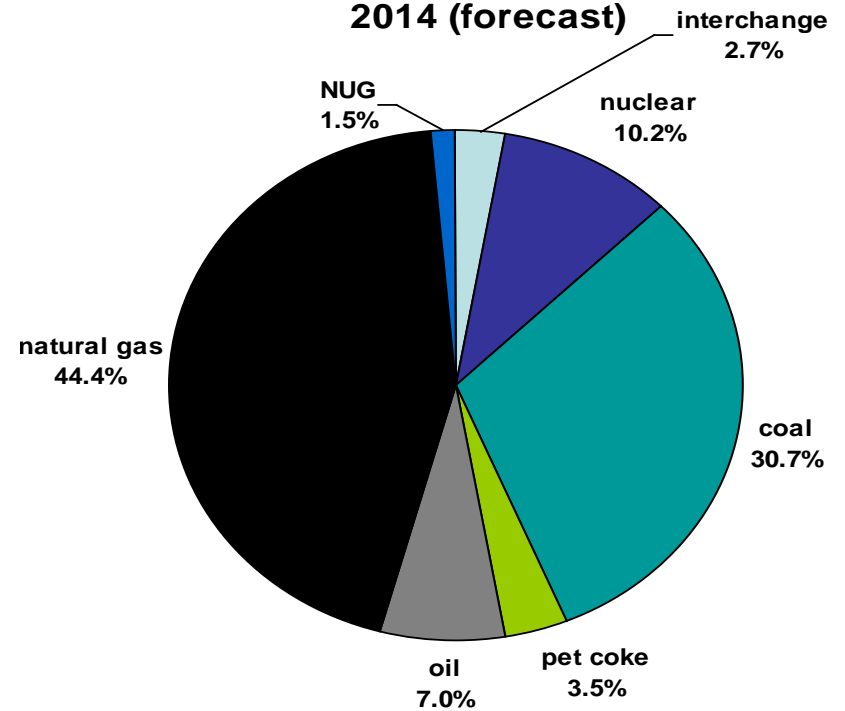


## Florida's Electric Industry Fuel Use Growth in Natural Gas

2004 (actual)

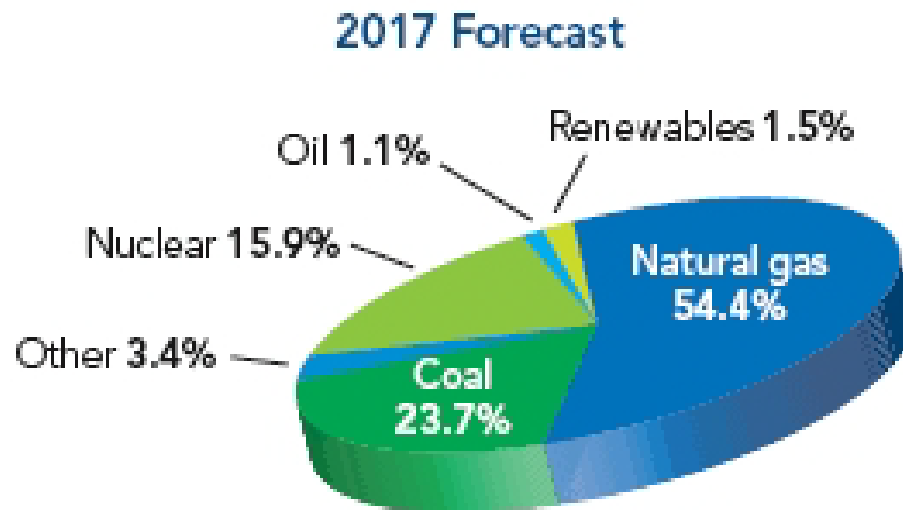
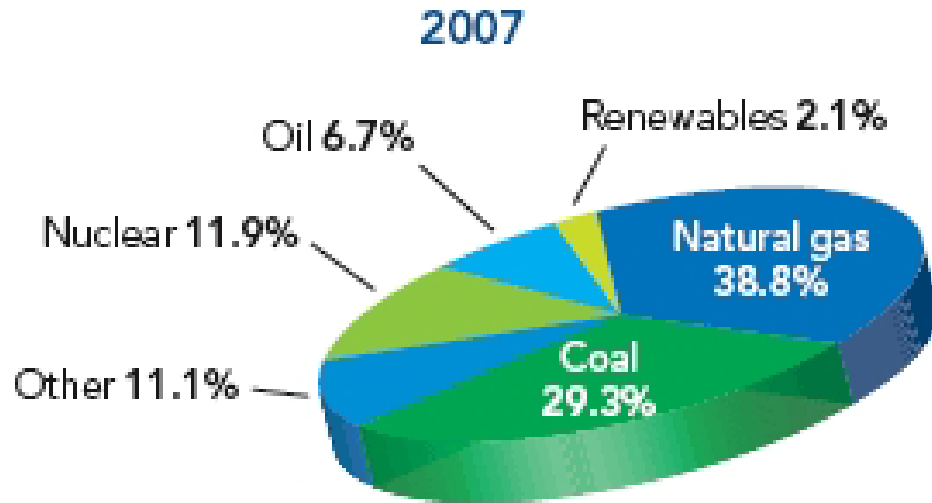


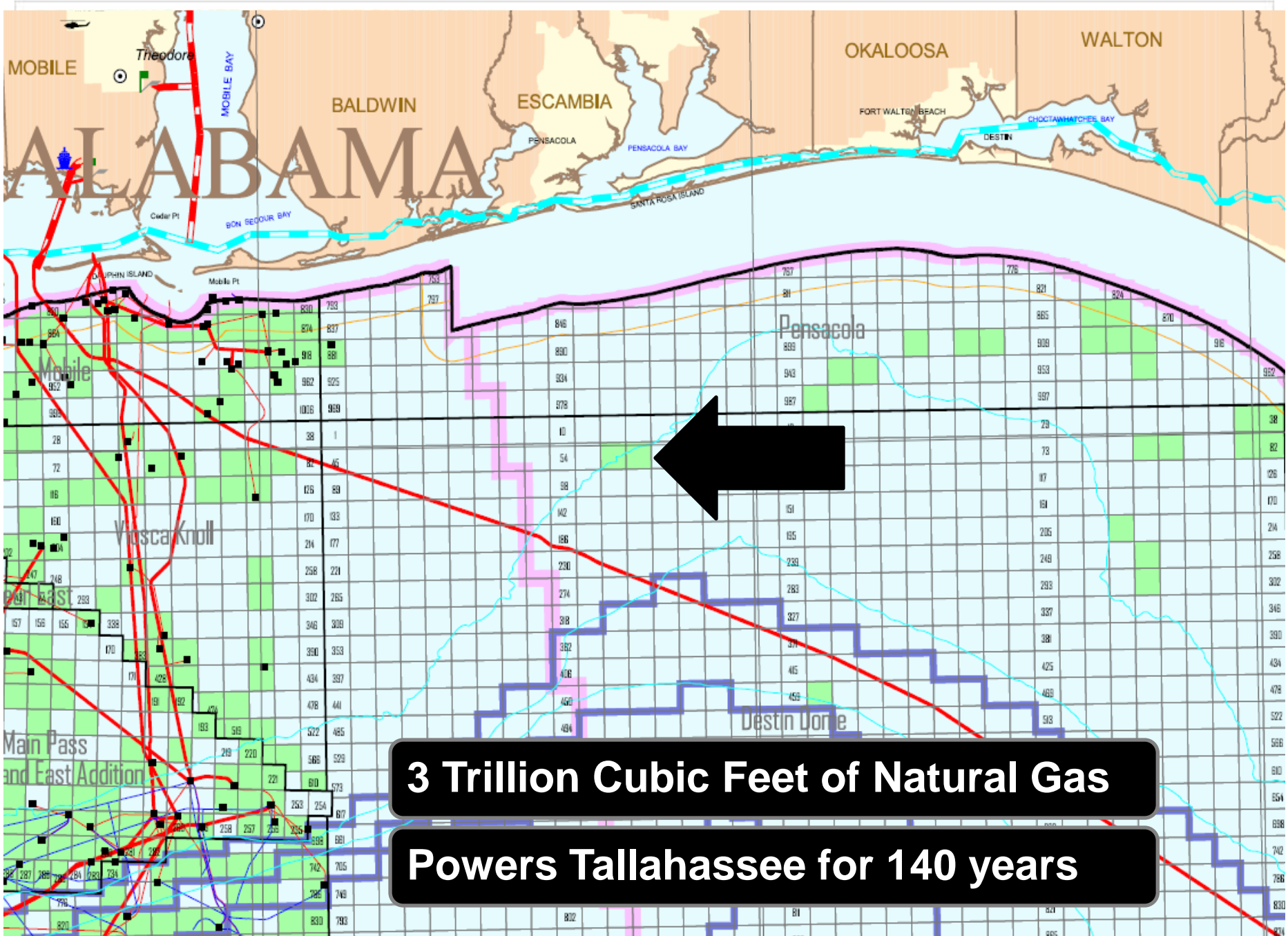
2014 (forecast)



Source: FRCC "2005 Load & Resource Plan" p. s-19

NUG: purchases from non-utility generators





**3 Trillion Cubic Feet of Natural Gas**

**Powers Tallahassee for 140 years**

## Energy in Our World

- **Mitigate risks further through enhanced standards**
  - ✓ API task force recommended enhanced equipment standards
  - ✓ API task force recommended enhanced procedural standards
- **Respond rather than react**
- **Affordable and reliable energy is key to economy**
  - ✓ Oil and natural gas industry provides 60% of U.S. energy
  - ✓ Industry supports 9.2 million American jobs & 7.5% GDP
  - ✓ Domestic supplies will contribute \$1.7 trillion in government revenues



# DEEPWATER HORIZON RESPONSE

The Official Site of the Deepwater Horizon Unified Command

<http://www.deepwaterhorizonresponse.com>

## **Horizon Hotlines:**

**Environmental Hotline/Community Information - 866-448-5816**

**Assistance Hotline/Boom Reports - 281-366-5511**

**Vessels of Opportunity (boats) - 281-366-5511**

**Wildlife Distress Hotline - 866-557-1401**

**PEC Hotline (Specialty Volunteer Training) - 866-647-2338**

**Claims Hotline - 800-440-0858**

**Medical Support Hotline - 888-623-0287**

# The Future

- Focus on efficiency
- Increase American supplies
- Use of alternatives, renewables
- Investment in technology

