

Welcome to the RPSEA/HARC
Research and Technology
Needs for Deepwater
Development Forum

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TEXAS A&M



THE HAROLD VANCE DEPARTMENT OF

**PETROLEUM
ENGINEERING**

Who is RPSEA?

- RPSEA is a 501(c)3, not for profit organization that manages research
- We have 160 member organizations
 - Commercial companies both large and small
 - 26 Universities
 - Trade organizations
 - State and Federal agencies
- We now have nearly 100 research projects ongoing with another round of RFPs soon

Our Current Research Portfolio

- The Energy Policy Act of 2005 included significant funding for accelerated R&D in the oil & gas industry
- The current projects focus on
 - Reducing the cost of exploration and production of ultra-deepwater and unconventional natural gas;
 - Expanding the nation's gas resource base; and
 - Mitigating the environmental impacts of energy production in these regions.

Our World Has Changed

- With the blowout in the GOM, RPSEA must re-focus on safety and environmental issues, especially in deep water
- To stay economically viable, RPSEA needs to streamline its management structure
- To meet the needs of our country, RPSEA must look to expand its research outside of the federal funding areas

RPSEA is Ideal for the Situation

- We are truly a public – private partnership
- We have government, academia and industry working smoothly to provide solutions to very difficult problems
- We can change quickly and look at
 - Deep water safety and environmental issues
 - The Global endowment of unconventional gas
 - How to best use CO₂ for Enhanced Oil Recovery

Summary

- Our world changed April 20, 2010
- RPSEA is the ideal organization to define and administer the R&D needed
 - to increase oil and gas production
 - to improve safety and environmental issues
 - to coordinate other thrusts such as CO₂ mitigation and enhanced oil recovery
- RPSEA will reorganize to provide the best R&D management possible