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**Research
Partnership to
Secure Energy
for America**

RPSEA Program

Ultra-Deepwater Program

RPSEA Ultra-Deepwater Technology Conference

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Who is RPSEA?

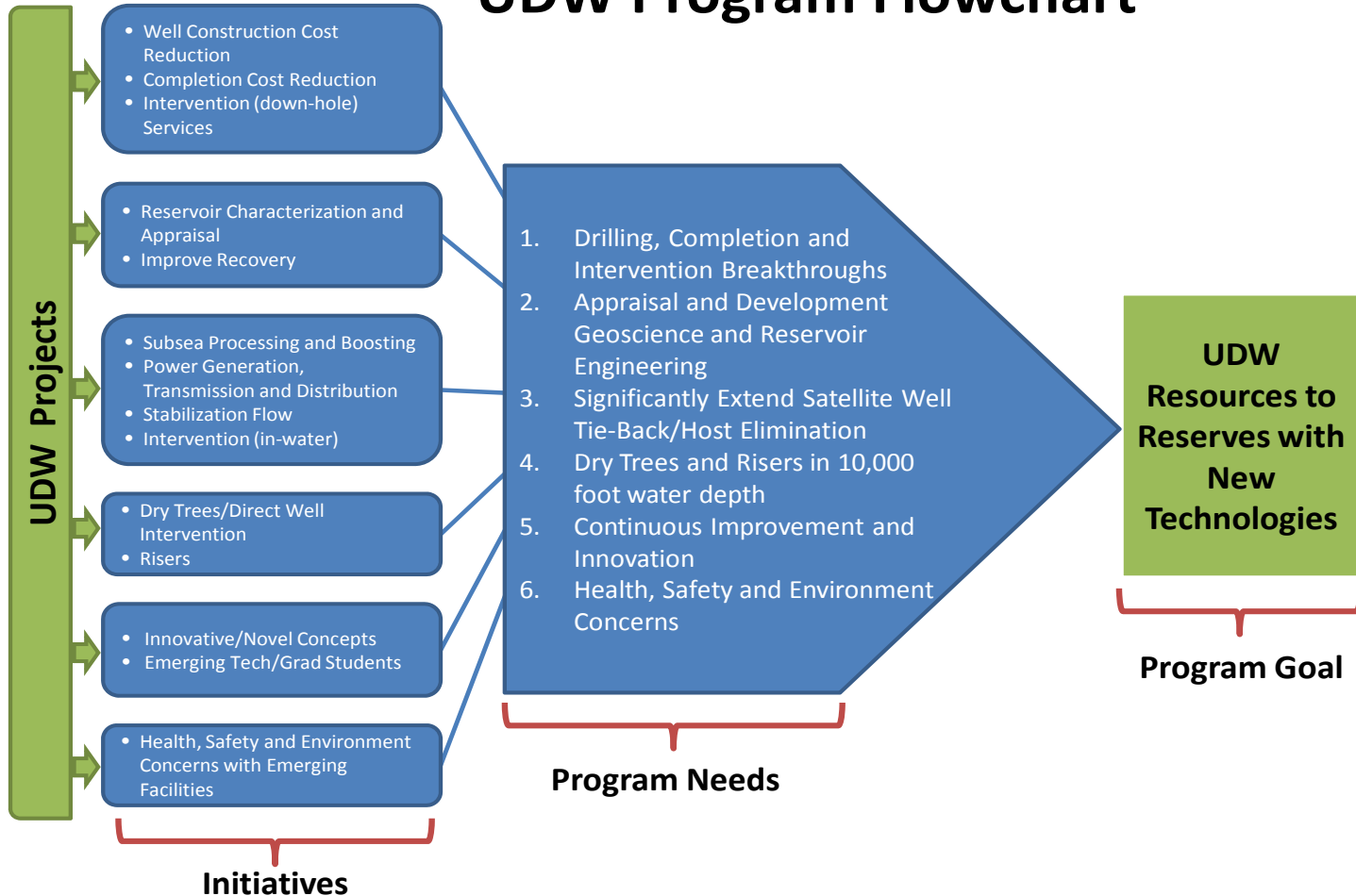
- RPSEA is a 501(c)3, not for profit organization that manages research
- We have 170 member organizations
 - Commercial companies both large and small
 - 26 Universities
 - Trade organizations
 - State and Federal agencies
- We now have nearly 100 research projects ongoing with another round of RFPs 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.

UDW Program Approach

UDW Program Flowchart



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

RPSEA Deep Water Forum

June 22, 23

- Update 42 on-going and newly started projects
 - Impressive Portfolio of Projects
- DeepStar Consortium model of using industry led projects to insure applicability
- Easy to join, easy to get involved, easy to get information on each project.

Summary

DEA Members - We all have common drivers:

- *It costs too much money to develop deepwater marginal fields*
- *Safety is most important*
- *Protection of our environment is a priority*
- Technology plays an increasing role in performance and profits
 - Driven by needs and initiative
 - Deepwater exploration and development are **very expensive with high risks**
 - **Incentives for the application and demonstration of new technologies is critical to speed the commercialization**
- Cooperation is the key
 - Suppliers; Clients; Industry; Consortia; Academia; Government,
- To gain access to more areas, the Public expects assurances our land and seas will be drilled in an environmentally responsible manner
- Bigger is not necessarily better
 - Development and early application of technological advances can be a very sound investment

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