

Environmentally Friendly Drilling Systems Program

Minimizing Impact of Development in Environmentally Sensitive Unconventional Natural Gas Areas

BALLOT – November 5, 2008

Name	
Company/Organization	
Email	

Please indicate preference of each deliverable by placing an X in the appropriate column as well as your thoughts on including the project in a RPSEA proposal. Please place an X to indicate if you would be willing to serve as an advisor for the project. Also, if your company/organization is in sponsoring a key project, please circle the Project.

Note that there are three pages.

Project	Deliverables	Preference			Include in RPSEA Proposal?		Serve as Advisor
		Low	Med.	High	Yes	No	
ON-GOING PROJECTS							
1.1 Systems Engineering (continuation of currently EFD funded project)	• Written summary of class projects						
	• Final Report – Systems Approach						
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1.2 Waste Management (continuation of currently EFD funded project)	• Final Report – Design/Test of process						
	•						
1.3 Low Footprint Options (continuation of currently EFD funded project)	• Report – Industry Practices						
	• Disappearing Roads Award Event						
	• White Paper – Well Site Planning						
	•						
1.4 Platform/Rig Site Options (continuation of project funded outside of EFD – Should RPSEA funding be pursued?)	• Engineering Report						
	• Identifying commercial partners						
	•						
1.5 Alternative Power (continuation of currently EFD funded project)	• White Paper – Alternate Power Options						
	• Final Report – Connecting to Power Grid						
	•						
1.6.1 Societal Perception (continuation of currently EFD funded project)	• Multimedia plan						
	• Written report on potential societal impacts						
	•						
1.6.2 Scorecard (continuation of currently EFD funded project – Main issue is prioritization of development of scorecards. Which scorecard should be developed first?)	• Scorecard for wetland ecosystem						
	• Scorecard for semi-arid ecosystem						
	• Scorecard for forest ecosystem						
	• Scorecard for boreal (Arctic tundra) ecosystem						
	• Case study(ies) for implementing scorecard(s)						
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NEW PROGRAMS – LOW IMPACT DEVELOPMENT SYSTEMS							
2.1 Low Impact Access	<ul style="list-style-type: none"> Conceptual Study – Use hydro-geological model to develop system to minimize impact 						
2.2.1 NOx Measurements & Technologies	<ul style="list-style-type: none"> Guidelines for selecting retrofit technologies Case study of NOx measurements 						
2.2.2 Acoustic Studies	<ul style="list-style-type: none"> Database for modeling studies 						
2.2.3 Alternate Power-Load Studies	<ul style="list-style-type: none"> Engineering study – rig link to power grid Concept study – Kinetic energy storage 						
2.3.1 Applications for Wetland Ecosystem	<ul style="list-style-type: none"> Detailed design for EFD ops in wetland ecosystem Case study in wetland ecosystem 						
2.3.2 Arctic Operations	<ul style="list-style-type: none"> Report – EFD Arctic Systems Concepts Engineering Report for site specific application 						
2.3.3 Coastal Margin	<ul style="list-style-type: none"> Report – Conceptual Designs 						
2.4.1 University of Colorado – Best Practices Database	<ul style="list-style-type: none"> Database Maintenance plan 						
2.4.2 University of Arkansas – Site Planning	<ul style="list-style-type: none"> Software framework for informational website Informational website populated with data (1 play) Requirements document Decision support tools implemented in ArcGIS Sound shed model implemented in ArcGIS 						
2.4.3 Western Mountain States Studies	<ul style="list-style-type: none"> Scale model – low impact road technology 						
2.4.4 Utah State – Sam Houston State Collaboration	<ul style="list-style-type: none"> Multimedia Plan Report – Societal Impacts 						
2.4.5 West Virginia University Collaboration	<ul style="list-style-type: none"> Conceptual Study – Problems and Needs 						
	<ul style="list-style-type: none"> 						

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TECHNOLOGY TRANSFER							
3.0 Technology Transfer	• Establish Office of Information						
	• Segments on Shale TV						
	• Presentations at conferences/exhibitions						
	• SPE Distinguished Lecturer						
	• Forum at Jicarilla Apache Nation						
	• Forum in Northeast focused on Marcellus Shale						
	• Collaborate with others: API, PTTC, et al.						
	• Outreach to regulatory agencies: BLM, IOGCC, etc.						
INTEGRATION OF EFD WITH OTHER PROGRAMS							
4.1 Microhole Systems	• Microhole systems that reduce costs						
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WRITE-INS	•						
	•						
	•						

Please discuss any comments that you have about the program.