



Research Funding Opportunity

Program Title	Demonstration of Integrated Biorefinery Operations
Solicitation/RFP Code	DE-PS36-09GO99038
Funding Organization(s)	DOE
Funding Amount(s)	Award ceiling: \$40 million
Application Deadline(s)	LOI: February 20, 2009 Application: April 30, 2009
Program Summary	
<p>The intent is to select integrated biorefinery projects that have the necessary technical and economic performance data that validates readiness for the next level of scale up. DOE encourages applications that propose novel or breakthrough technologies and those that include appropriate collaboration between and among industry, academia, and DOE National Laboratories, FFRDCs or other government-funded facilities.</p> <p>Each topic area is related to beneficial use of renewable biomass for the production of liquid transportation biofuel(s) that is/are a replacement for fossil derived liquid transportation fuels. An eligible biofuel must be the primary product of the project proposed in the application. Refineries producing heat and power as the primary product would be considered non-responsive. Projects may, however, propose producing heat and power using waste streams resulting from a biorefinery if the production of an eligible liquid transportation biofuel is the primary product.</p> <p>There are two topic areas from which an applicant may submit a proposal, however, each applicant may only submit one application to the FOA. The two topic areas are:</p> <p>Topic Area 1: Operation of an integrated biorefinery (with a throughput of no less than one dry tonne of feedstock per day) in order to validate the technology. The proposed biorefinery must be located in the United States and use domestic source feedstock. The focus of this topic is to validate the performance of the proposed technology and obtain operational information, so, the applicant may propose the use of an existing biorefinery, the construction of new facilities, or modifications to an existing facility (including adding equipment or modules) where it is economically and technically advantageous to do so.</p> <p>Topic Area 2: Design, construct and operate an integrated demonstration-scale biorefinery to validate the technology. The proposed demonstration-scale biorefinery must be designed and constructed for a throughput of at least fifty (50) dry tonnes of feedstock per day. The proposed biorefinery must be located in the United States and use domestic source feedstock. The focus of the validation of key process metrics and provision of operational data at the scale needed to lower the risks associated with the development of a future commercial plant. The applicant may propose constructing a new facility or making modifications to an existing facility (including adding equipment or modules) where it is both economically and technically advantageous to do so.</p> <p>Contact: Yolanda C Ramirez 303-275-4908</p>	