

**KENTUCKY
ENERGY
COMMERCIALIZATION
PROJECT**



Commonwealth of Kentucky SOLICITATION

TITLE: Energy Commercialization Grant

DATE ISSUED

2006-08-31

SOLICITATION CLOSSES

Date: 2006-10-13

Time: 13:30:00

SOLICITATION NO.

RFP 855 0600000324

Purch Cap Plaza Tower 11th Fl
BERNARD DECKER

**Please see the Terms and Conditions
For Information on where to submit
Your Bid/Proposal.**

FOR INFORMATION CALL:

BERNARD DECKER
502-564-8110

ONLINE BIDDING PROHIBITED

Yes

OWNERSHIP TYPE:

Sole Proprietorship Partnership Corporation

SIGNATURE OF AUTHORIZED AGENT IS REQUIRED UNLESS RESPONSE IS SUBMITTED ELECTRONICALLY

FAILURE TO SIGN SHALL RENDER THE BID INVALID.

Signature X

Robert H. Womack

FEIN# 22-3522754

DATE 10/11/06

All offers subject to all terms and conditions contained in this solicitation.

REQUEST FOR FUNDING

BY

ENVIRES, LLC

a clean coal technology development company

Introduction

EnviRes LLC (a clean coal technology development company) is in final development stages with a breakthrough technology to gasify coal, biomass, and other carbon bearing materials. Trademarked HyMelt[®], the centerpiece of this innovative technology is a [REDACTED] [REDACTED] HyMelt[®] promises to be the next generation in gasification technology, indicating substantially lower capital and operating costs, and greater operating flexibility and efficiency. It will be capable of gasifying coal and other carbon-bearing feedstocks, such as biomass, with greater efficiency than current technologies.

HyMelt[®] offers many technical and economic advantages over current entrained flow processes. Lower capital and operating costs, and great feedstock flexibility, are just a few. The HyMelt[®] process, which has been in development for more than 10 years, converts a greater percentage of the carbon into clean gas than other processes. Already, 95%+ carbon conversion has been achieved in large scale testing.

EnviRes recently entered into an agreement with [REDACTED] to build and operate a gasification and Fischer-Tropsch liquid fuels demonstration plant. This new facility is to be located at [REDACTED] [REDACTED] currently produces 35 to 40 million standard cubic feet per day of coke oven gas with as much as 10% being flared. The HyMelt[®] demonstration plant will utilize all gas from these coke ovens and 1,000 tons-per-day of coal. In the future, biomass feed may also be tested at the facility (see Exhibit A).

Demonstration plant products will include: approximately 2,500 barrels-per-day of zero sulfur high quality low emissions diesel and jet fuel; hydrogen and carbon monoxide natural gas substitutes; electricity; and process heat. Portions of the clean gas, heat, and electricity output will provide for the energy needs of the [REDACTED] plant, replacing the coke oven and supplementary natural gas currently being used to heat the coke ovens and all electric power purchases.

The [REDACTED] project will demonstrate (1) the HyMelt[®] gasification technology, (2) the utilization of coal, coke gas, and possibly biomass derived gases to produce high quality Fischer Tropsch transportation fuels, (3) the utilization of syngases to produce electricity by the IGCC method, (4) the capture and utilization of CO₂ to enhance oil and gas production, and (5) the safe recovery of sulfur, mercury and other metals from plant feedstocks.

