PUBLIC ABSTRACT

Applicant (primary) name: Western Greenbrier Co-Generation , LLC

Applicant=s address: 125 Alta Mountain Road, Lewisburg, WV 24901
Street City State Zipcode

Team Members (if any): Parsons E&C, Reading, PA 19607
(listing represents only participants at time of application, not necessarily final team membership)
Name City State Zipcode

Alstom Power, Inc., Windsor, CT 06095
Name City State Zipcode

Hazen Research, Inc., Golden, CO 80403
Name City State Zipcode

(Use continuation sheet if needed.)

Proposal Title: Western Greenbrier Co-Production Demonstration Project

Commercial Application: XX New Facilities **9** Existing Facilities

9 Other, Specify: _____

Technology Type: Clean Coal Co-Production Power Plant

Estimated total cost of project:
(May not represent final negotiated costs.)

Total Estimated Cost: $ 215,000,000

Estimated DOE Share: $ 107,500,000

Estimated Private Share: $ 107,500,000

PUBLIC ABSTRACT (cont=d)

Anticipated Project Site(s): Rainelle, Greenbrier County, WV 25962
Location (city, county, etc.) State Zipcode

Location (city, county, etc.) State Zipcode

Location (city, county, etc.) State Zipcode

Type of coal to be used: Bituminous waste
Primary Alternate (if any)

Size or scale of project: 1,600 tons per day
Tons of coal/day input
And/or
75 MW Megawatts, Barrels per day, etc.
Other (if necessary)

Duration of proposed project: 60
(From date of award) (Months)

PRIMARY CONTACT:
For additional information, interested parties should contact: Name: Wayne D. Brown

Position: Engineering and Operations Manager

Telephone Number: (304) 645-5419

Company: Western Greenbrier Co-Generation, LLC

e-mail address: wayne@area125.com

Address: 125 Alta Mountain Road

City State Zipcode: Lewisburg, WV 24901

Alternative Contact:

Name

Position

Telephone Number: ( )

Company

e-mail address

Address

City State Zipcode

PUBLIC ABSTRACT (cont=d)

Brief description of project:

Western Greenbrier Co-Generation, LLC (WGC) proposes to construct a 75 MW clean-coal, co-production demonstration project in Rainelle, West Virginia. The primary fuel will be waste coal from a 4 million ton refuse site in Anjean, West Virginia. Parsons E&C (Reading, Pennsylvania) will be the turn-key systems contractor with Alstom Power (Windsor, Connecticut) providing an advanced fluidized-bed boiler system. The integrated co-production facility will manufacture structural bricks certified to meet insulation and load-bearing specification requirements while simultaneously providing 75 MW of power to the national grid. Ash chemical properties will be tightly controlled using a process developed by Hazen Research Labs in Golden, Colorado. The patented structural bricks, which contain both ash and wood waste (trademarked "WoodBriks™."), were developed by Midway Environmental Associates of Arvada, Colorado.

The power plant will be the "anchor tenant" in a new, environmentally balanced industrial park (an ECO-Park), which builds on a synergistic relationship to the clean-coal power generation system. The ECO-Park will include greenhouse structures for hot water utilization, the WoodBrik™. co-production facility for ash utilization, and a variety of steam users including a hardwood dry kiln.

Western Greenbrier Co-Generation, LLC is a new public service entity formed to serve the interests of three municipalities (Rainelle, Rupert, and Quinwood) in Greenbrier County, West Virginia.