

Solid Waste Management Program Funding Applications



March 27, 2018

Item 10

TITLE: Solid Waste Management Program Funding Application(s)

EXPLANATION: The following application(s) have been received by DENR for funding consideration at this meeting.

- a. Black Gold Biochar, LLC

COMPLETE APPLICATIONS: Application cover sheet and summary sheets with financial analysis have been provided as part of the board packet. Complete applications are available online and can be accessed by typing the following address in your internet browser:

<http://denr.sd.gov/bwnrapps/BWNRappsOther0318.pdf>

If you would like hard copies of the applications, please contact Andy Bruels at (605) 773-4216.

Private for-profit entities only

Business Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>
---------------	-------------------------------------	--------------------------

SD EForm 0482LD V3

Solid Waste Management Program Application

Applicant: Black Gold Biochar, LLC, 11953 Pleasant Valley Rd, Unit B, Custer, SD 57730	Proposed Funding Package
Address: 11953 Pleasant Valley Rd, Unit B, Custer, SD 57730	SWMP Funds: \$250,000
	Local Cash: \$20,000

Other: Revolving Loan – Plains Commerce Bank \$150,000

Other: Sold Waste Management Program Loan: \$0.00

Other: _____

Total Project Cost: \$420,000

Phone: 605-216-8743

Project Title: Black Gold Bio Char Green Waste Clean-up Hot Springs

Continual Flow Gasification:

New technology for Utilization of Urban Green Waste, Forest Slash and the Production and Marketing of Biochar a Soil Amendment and Filtrate for Carbon Capture and Combined Heat and Power

Description: Improving, automating and marketing Black Gold Biochar’s innovative gasification process in a project wherein Black Gold Biochar (BGBC) has agreed to utilize the large green waste piles that the City of Hot Springs has stored at their maintenance facility to create biochar material and heat. This relationship is mutually beneficial to the City of Hot Springs and surrounding area. This project creates a positive effect not only within the city and surrounding community but within the county. BGBC has created a partnership with Fall River Feedyard, LLC as an ongoing supplier in cattle manure, material to mix with the green waste in production of environmentally safe Biochar. BGBC designed and built a full-scale gasification machine capable of consuming several cubic yards of woody biomass per hour. This unique patent pending design consumes chipped or ground biomass. The BGBC machine does not burn biomass fuel but bakes it to produce biochar, syngas, and heat through a unique continual throughout design.

FUNDING REQUEST EVALUATION FORM
SOLID WASTE MANAGEMENT PROGRAM FUNDING APPLICATION
APPLICANT: BLACK GOLD BIOCHAR, LLC

Project Title: Green Waste Cleanup at Hot Springs

Funding Requested: \$250,000

Other Proposed Funding: \$20,000 – Local Cash
\$150,000 – Revolving Loan - Plains Commerce Bank

Total Project Cost: \$420,000

Project Description: Black Gold Biochar is proposing to use its gasification process to eliminate large green waste piles that have accumulated at the Hot Springs maintenance facility. Biochar material and heat will be created and captured as a result of eliminating the green waste. Black Gold Biochar created a partnership with Fall River Feedyard, LLC as an ongoing supplier of cattle manure to assist in the creation of the biochar. Black Gold Biochar's gasification machine is currently set up in Custer, SD and needs financial assistance to move operations to Hot Springs.

The gasification machine has the capability to process several cubic yards of woody biomass per hour, but first the wood waste will need to be chipped. This project proposes rental of an industrial-sized wood chipper to quickly reduce the size of the pile for use in the gasification machine.

The project is anticipated for a one-year cleanup of the current green waste and an ongoing five-year cleanup of produced waste, with an opportunity for removal. Project expenses will include travel, equipment rental and transportation, set-up, and recurring labor costs.

Type: Solid Waste

Service Population: 3,600

Financial & History Information: Black Gold Biochar, LLC has never received funding from the Solid Waste Management Program.

Fees: Not Applicable

Interest Rate: 2.00 % Term: 5 years Security: Business Revenue

CONFIDENTIALITY STATEMENT

46A-1-98. Confidentiality of trade secrets or commercial or financial information received by board or department. Any documentary material or data made or received by the board or the Department of Environment and Natural Resources for the purpose of furnishing financial assistance to a business pursuant to the provisions of §§ 34A-6-81 to 34A-6-85.1, inclusive; 46A-1-83 to 46A-1-84, inclusive; and 46A-1-91, to the extent that the material or data consists of trade secrets or commercial or financial information regarding the operation of such business, is not a public record, and is exempt from disclosure. Any discussion or consideration of such trade secrets or commercial or financial information by the board may be done in executive session closed to the public.