FACT SHEET:

MARYLAND'S ANIMAL WASTE TECHNOLOGY FUND GRANT RECIPIENT PROFILE

CleanBay Renewables

BACKGROUND

WHAT IS THE ANIMAL WASTE TECHNOLOGY FUND?

The Maryland Department of Agriculture's (MDA) Animal Waste Technology Fund provides grants to companies that demonstrate new technologies on farms and provide alternative strategies for managing animal manure. These technologies may generate energy from animal manure, reduce on-farm waste streams, and repurpose manure by creating marketable fertilizer and other products and by-products.

Grant Recipient
CleanBay Renewables
Somerset County, MD

Benefitting Farms
Somerset County poultry farms

Grant Amount
$1.4 million

Issue Date
October 2016

Animal Manure Managed
Poultry Litter

PROJECT HIGHLIGHTS

SCOPE OF PROPOSAL

CleanBay Renewables will construct and operate a manure-to-energy plant in Somerset County that will generate electricity by processing 80 tons per day of poultry litter as feedstock. The system has the capacity to produce 48 megawatt hours of electricity per day. The plant will use a thermophilic anaerobic digester to convert organic matter into biogas (a mix of methane and carbon dioxide) and simpler chemical compounds in an oxygen-free environment. The system captures and separates nitrogen and phosphorous contained in the byproduct, creating a marketable product that farmers can use to fertilize their crops, comply with Maryland's Phosphorus Management Tool regulations, and protect local waterways and the Chesapeake Bay from excess nutrients.

The poultry litter feedstock will be supplied by a Somerset County manure broker. CleanBay Renewables has received approval to build the manure-to-energy plant from PJM, the utility grid operator serving the area, and has the support of the Somerset County Economic Development Commission. The $1.4 million state grant – provided through the Maryland Energy Administration (Strategic Energy Investment Fund) and the Chesapeake and Atlantic Coastal Bays Trust Fund – will supplement $15 million in investments already secured by CleanBay Renewables.

For More Information
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"CleanBay Renewables is committed to maximizing positive environmental impact, local economic development and corporate profitability. We are excited to provide the first regional-scale solution for the alternative use of poultry litter on the Eastern Shore. The $1.4 million in equity provided by MDA has been leveraged more than 10:1 with private funds accounting for $15 million in total project cost. We are pleased to have the Maryland Department of Agriculture as a partner in this endeavor."

Jason Levine, ***CEO CleanBay Renewables***

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