

# Protecting Nature. Supporting Agriculture. Energizing Our Future.

## Sustainable management of waste is one of the **most significant challenges facing farming and food processing operations.**

At CleanBay Renewables Inc. we are developing a portfolio of utility-scale bioconversion facilities that use field-proven anaerobic digestion and nutrient recovery technologies to convert poultry litter into renewable natural gas (RNG) and controlled-release fertilizer. The company's first bioconversion facility will be located in Maryland. CleanBay is actively developing sites for future facilities on the Delmarva Peninsula, the Southeast, and California.



- More than 14 million tons of poultry litter are produced in the U.S. each year.
- Uncontrolled poultry litter can release **nitrous oxide**, a greenhouse gas with **300 times the impact of carbon dioxide (CO<sub>2</sub>).**
- Poultry litter contains **nitrogen and phosphorous**, which, if uncontrolled, **can pollute** waterways and ground water.

## CleanBay's powerful solution to **reduce air, soil, and water pollution** is sustained by a **robust** economic model:



**AIR QUALITY:** 

Reducing greenhouse gas emissions by 1,000,000 tons of CO<sub>2</sub> per full scale facility annually—equivalent to taking 217,480 passenger vehicles off the road each year.



**PRIVATE INVESTMENT:** 

Increasing local and state tax bases through capital investment of over \$500 million per full scale facility.



#### **ECONOMIC DEVELOPMENT:**

Creating **26 new high-paying** full-time jobs per facility, in addition to hundreds of indirect jobs in construction and supply-chain needs.



**AGRICULTURE:** 

Enhancing farming and food operations' **environmental efforts** by providing a sustainable, circular solution for its byproducts.



#### We're solving pressing environmental problems...

- Farmers across the U.S. need an economical and environmentally friendly way to dispose of the over 14 million tons of chicken litter produced in the U.S. each year.
- Farmers need to improve their soil health to fuel an increase in production for an expanded population.
- Communities need an economic boost and want access to an abundant, renewable energy supply.

#### ...While helping farmers, local communities, and businesses.

- · Carbon pricing is increasingly recognized as an essential way to cost-effectively transition to low-carbon economies.
- The world's carbon credit market is rapidly expanding as states', companies', and countries' compliance targets must be met.
- As consumers pivot to organic foods, demand for natural fertilizer is experiencing high growth.

At full capacity, each facility can recycle more than 150,000 tons of poultry litter each year into:

### 750,000 MMBTU OF RNG

Providing the community with enough **renewable energy** for over 11,000 homes.

## **1,000,000** TONS OF CO<sub>2</sub> EQUIVALENT

Providing the state and businesses with new ways to **meet environmental regulations and low-carbon fuel standards**.

### 100,000 TONS OF FERTILIZER

Providing farmers with a controlledrelease fertilizer with humic acid to address overall soil health and relieve nitrate and phosphorus runoff.