

PRESS RELEASE

BIOMASS CONTROLS PBC HAS RECENTLY SIGNED A CONTRACT WITH NATIVEENERGY TO PROVIDE UP TO TEN BIOGENIC REFINERIES IN ACCORDANCE WITH THEIR NRCS-USDA CIG GRANT.



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Putnam, CT and Durham, NC – Biomass Controls PBC has recently signed a contract with NativeEnergy to provide up to ten Biogenic Refineries in accordance with their NRCS-USDA CIG grant. This collaboration intends to develop a system that will separate dairy manure solids from raw dairy manure slurry, where the separated solids portion will be pyrolyzed to produce biochar. The primary goals of the program are to:

- **Reduce greenhouse gases associated with dairy manures** – Implementation of manure solids separation and the capture of these solids will mitigate a portion of the methane emissions associated with the storage of manure in the farm's long-term manure storage facility.
- **Provide manure management benefits to the farm** – Manure solids separation will provide a useful commodity to the farm and soil amendment markets in the form of nutrient-rich, stackable organic matter. However, the current markets for manure separated solids in Vermont and, particularly, the transport of these solids within or outside Vermont are not economically attractive. Converting this solids matter to biochar results in a material with significantly lighter mass and lower volume, and with certain nutrient and electro-chemical properties, that has the potential for higher market value and lower transportation costs.
- **Reduce nutrient loading in the Lake Champlain watershed** – For the Vermont farm locations, concentrating the nutrients in the biochar and facilitating more cost-effective transportation out of the watershed furthers the State's goal to address excess phosphorus loading in the Lake Champlain watershed.

Biomass Controls PBC (BiomassControls.com) is a public benefit corporation whose mission is to deliver innovative and transformative technologies in response to the world's water, sanitation, and environmental issues.

Vermont-based NativeEnergy, a Public Benefit Corporation, is a leading expert and provider of innovative programs that eliminate ecological impacts and contribute to the common good. Developed in conjunction with its corporate partners, the company's Help Build™ projects create uniquely brand-relevant national and international wind, water, biogas, solar, and other renewable energy and clean water initiatives that help those partners reduce carbon footprints, build supplier resilience, bring substantial social and environmental benefits to needful communities, and build a future that benefits all. Learn more at NativeEnergy.com.