MAINE FOREST BIOMASS INITIATIVE
Emerging Phytosanitary Technology

PHYTO-CHARTER offers proven phytosanitary technology, resource procurement and merchant marketing to supply biomass fuel to meet the European Union’s ambitious climate and energy targets for 2020.

SHIPBOARD HEAT TREATING SYSTEM

Phyto-Charter has developed and patented the Shipboard Heat Treating System to meet the phytosanitary requirements of the European Union while engineered to efficiently sanitize wood fiber without multiple handlings. Export of wood fiber has not been possible until the development by Phyto-Charter Inc. of a viable heat treating system which comports with the phytosanitary controls of the European Union.

The system deployed in the ship’s hold creates a near airtight chamber and re-circulates the moisture-laden air in a closed loop that includes sensors to measure performance of various components to ensure compliance with applicable codes. The fully saturated air provides an efficient medium of heat transfer through the core of the wood-chips. The Shipboard Heat Treating System is modular and transportable for deployment to multiple ports.

RESOURCE PROCUREMENT

Phyto-Charter will produce and procure to the Port of Eastport mixed conifer bolewood biomass chips within the Eastern Polygon in Maine, certified to meet the specific regulatory requirements of the European Union-Standing Committee on Plant Health.