

BIOMAT Wood Power - Wood Waste as Green Energy

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Waterboro, ME 04061-4335 Census Tract 240.02 York County, Maine (23031024002)
Population Density: 123.4 Total Population: 4,076

Funds will be used to initiate a local wood waste to green energy program via pyrolysis. The energy generated will be used to create electricity, fuel and heat. The byproduct of this process is biochar. Biochar is an excellent soil amendment. Biochar locks organic matter into a long term carbon storage when properly applied. This process generates carbon credits that are in high demand.

Pitch video: newhomepartner.com/woodpower

Scott Ohman - Ohman Forested Farmstead

This land has been in the family since 1780. Currently operating as a sawmill and recycling municipal wood waste, stumps & brush from tree services and landscapers. Waterboro is a small town. Scott Ohman knows everyone, is well liked in the community, and knows of other farms that would be interested in these services on their land, hundreds of acres on each within a 5 mile radius.

Kevin Bernard - Local Biochars

Kevin is developing US based pyrolysis kiln technology for smaller scale operations. By sizing the kiln to the demands of the farm, a cost effective replacement for local energy needs is possible. Each property can be their own generation and microgrid.

Jason Heidenescher - BIOMAT

Jason is manufacturing carbon negative construction materials. Greening the supply chain is critical as each process is assessed for carbon output. Expanding the use of pyrolysis, solar and other green energy solutions throughout the material supply chain is BIOMAT's goal.

Additional partners as this design develops will include solar providers, microgrid providers, electric heavy equipment manufacturers, construction material manufacturers, farm owners & producers, land owners & producers, local governments and forest management services.