Atlantic Biomass, LLC.

Atlantic Biomass Conversion System Economically Produces High Volumes of Biofuels from Residual Hemp and Cannabis Biomass

For immediate release – March 10, 2022 - Frederick, MD. Atlantic Biomass, LLC has announced results of their Phase I Maryland Energy Innovation Institute Scale-Up project to verify the use of residual hemp biomass for the production of biofuels including sustainable aviation fuels (SAF). Robert Kozak, President of Atlantic Biomass, said the results clearly showed that the very low-value biomass left over from hemp flower and bud harvests could be economically converted into biofuels by using the Atlantic Biomass process. "The scale-up results are solid and very promising. We're using them to finish plans for a Phase II prototype that we'd like to have operating for the 2022 harvest."

The Phase I project was a joint venture of Atlantic Biomass, University of Maryland Eastern Shore (an 1890 Land Grant HBCU), Hood College, and The Ohio State University. "We put together a team that knew all aspects of getting biomass to ethanol quickly and inexpensively. We worked well together and can't wait to finish a commercial unit," said Kozak.

The six key aspects of the system that make it economically successful are:

1. ***Nearly 80 Percent of Hemp Biomass is Available for Ethanol Production***

2. ***Yields of Ethanol from Residual Hemp Biomass are Comparable to Those from Corn Grown Expressly for Ethanol Production***

3. ***Economic Equity: Income from Residual Hemp Biomass for Biofuels Would De-Risk Start-Up and Minority Hemp/Cannabis Operations***

4. ***The Atlantic Biomass Process Achieves High Ethanol Yields by Using All Biomass Sugars***

5. ***The Atlantic Biomass System Is Distributed and Uses Portable Modules***

6. ***The Atlantic Biomass Conversion System Does Not Require Pretreatment or Hydrolysis Additives***

Copies of the Phase I report and commercial plans as well as a PowerPoint deck are available. Contact Robert Kozak at Atlanticbiomass@aol.com.

Atlanticbiomass@aol.com
507 N. Bentz St. Frederick, MD 21701