

SUMMARY REPORT—CONTRACT R-023-032
APPLICATION OF AGRICULTURAL BYPRODUCTS
FOR THE PERIOD DECEMBER 31, 2014, THROUGH JUNE 30, 2015

The project consists of feedstock supply estimation, cost estimation, product marketing, material characterization, and product formulation, testing, and certification activities.

FEEDSTOCK SUPPLY: A geodatabase of feedstock supply locations has been assembled.

NEW PRODUCT MARKETING: A preliminary list of products and channels have been identified.

WASTE WOOD AND COPRODUCT SUPPLY SCHEDULE: An inventory of potential sources of agricultural co-products was conducted.

COST MODEL: A cost model was developed to determine the feasibility of solid biofuel production using biomass. The analysis shows that under current market conditions returns to the enterprise are positive.

MATERIAL CHARACTERIZATION: A recently hired graduate student has been conducting preliminary experiments to understand the relationship between material composition and the energy values of densified solid biofuels. Initial caloric values of various byproducts has been collected.

PRODUCT FORMULATION: A pellet mill has been ordered and is expected to arrive in late August or early September.

PRODUCT TESTING AND CERTIFICATION: Raw material samples are being prepared for composition and ash content analysis by a third party independent laboratory.