Project: FY21-XCIV-230
Title: Systematically Applied Research to Develop High Value Products from Coal
Submitted By: Semplastics EHC LLC and Affiliates
PM/PI: William Easter
269 Aulin Avenue, Suite 1003
Oviedo, Florida 32765
407-353-6885
bhopkins@semplastics.com

Purpose: The proposed effort is comprised of four different sub-projects that integrate coal and coal ash into plastics safe and strong building materials. The technological target is to provide new improved building materials out of lignite-based resources. The ultimate goal would be to produce an entire building comprised primarily of lignite-derived building materials. The economic impact is to provide additional markets for lignite-based resources. The underlying benefit of the project is to create value-added coal-based products. The four projects are to be completed over a two-year time frame. The total budget is $3.3 million with $300,000 being sought from the North Dakota Industrial Commission. The majority of the money would come from the U.S. Department of Energy with other funds coming from Semplastics as well as other research partners.

Duration: 24 months

Participants & Cost Share:
- DOE Share $2,493,414 (Cash)
- Semplastics Share $202,000 (Cash)
- Semplastics Share $94,442 (In-Kind)
- Other project sponsor $189,500 (In-Kind)
- NDIC $250,000
- NDIC $50,000
- Total $3,279,756

Project Deliverables: Status Report