DOE: Bioenergy Technologies Office (BETO) Upcoming Funding: Algae

Timeline: March 2024

Likely Funding Amounts: $19M/2-3 years (multiple awards)

DE-FOA 0003274 (not yet posted) Area of Interest:

1. **Conversastion of Seaweeds and Waste Algae to Low Carbon Fuels and Products**
   Address gaps in storage, mobilization, and conversion of seaweeds and other wet algal feedstocks to low-carbon products and enable these readily available feedstocks to access new markets. Applications would be sought that will develop laboratory or bench scale technologies and/or processes for utilizing: macroalgae (seaweeds); blends of macroalgae and wet wastes, and/or wet algal wastes for conversion to fuels and products with significant, on a national scale, potential to displace fossil greenhouse gas (GHG) emissions. Applications will be required to demonstrate that the utilization of these feedstocks to generate products at commercial scale has the potential of at least 50% GHG reductions compared to conventional fuel and/or products.

2. **Conversion of Algal Biomass for Low Carbon Agricultural Products**
   Utilize carbon dioxide emissions streams from utilities or industrial sources to grow algae for source material and create value-added products. Applications would be sought that use anthropogenic (e.g., fossil fuel derived) carbon dioxide emissions to be used in the algae cultivation process and then convert those macro- and/or micro algae into low-carbon agricultural applications or products such as animal feed. Applications will be encouraged to focus on optimization of the technologies and processes for the conversion of cultivated algae biomass to products and clearly describe the end use products targeted. Applications will be required to show a reduction in CO2 emissions through life cycle analysis and demonstrate that the targeted products provide benefits compared to current, commercially available products.

Relevant Source Material:
1. Workshop readouts
2. Reports/Publications and FOAs

Teaming is encouraged and DOE has provided a [teaming partner list](#). ASU is listed as an [R&D partner](#).

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1 Link to NOI [here](#).