

Bioenergy Technologies Office Update

27 March 2019

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Bioenergy Technologies Office

U.S. Department of Energy



U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy

FY 2019 Commercial Trucks and Off-road Applications FOA

Total Federal funding: \$51.5M

Integrated, multi-fuel approach

- Natural gas, Hydrogen, Biopower, and Electrification Technologies
- FOA Number: DE-FOA-0002044

Topic 1B: Cost-effective Biopower Production from Municipal Solid Waste (\$5M)

- Low-cost biogas cleanup
- Innovative anaerobic digestion/gasification
- Lower the cost of electricity from incineration

Concept Paper Submission Deadline: 3/29/2019 5:00 PM ET

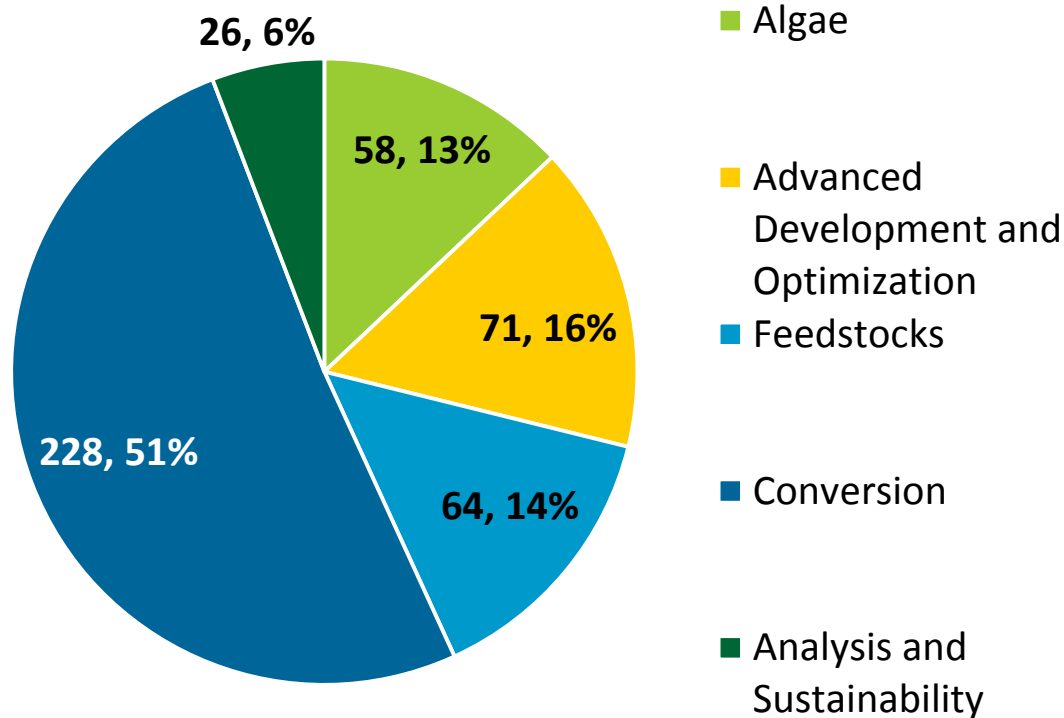
Full Application Submission Deadline: 5/15/2019 5:00 PM ET

Further information available at:
<http://eere-exchange.energy.gov>

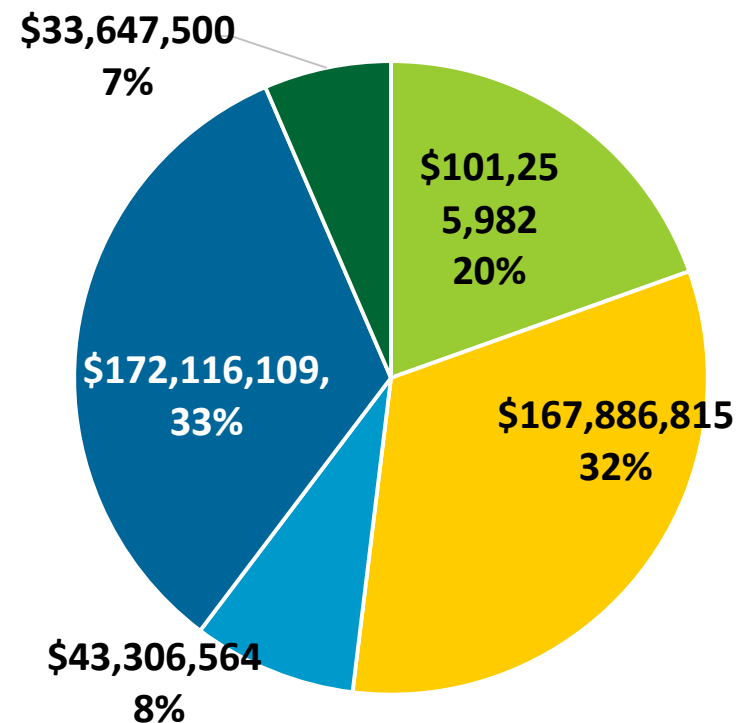
2019 BETO Peer Review: Presentations and Projects by Technology Area

The 2019 BETO Peer Review covered > 431 projects (336 presentations and > 95 posters) across 5 technology areas, representing a combined value (FY17-19) of ~\$700 M.

By Number of Projects:

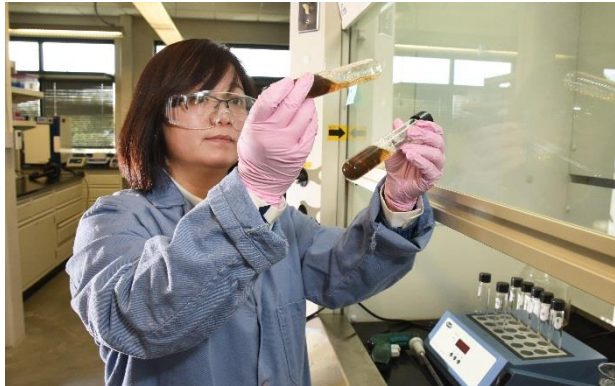


By Project Funding:



2019 BETO Peer Review: Who Was There? Project Partners

400 attendees were bioenergy researchers, 588 people attended the event.

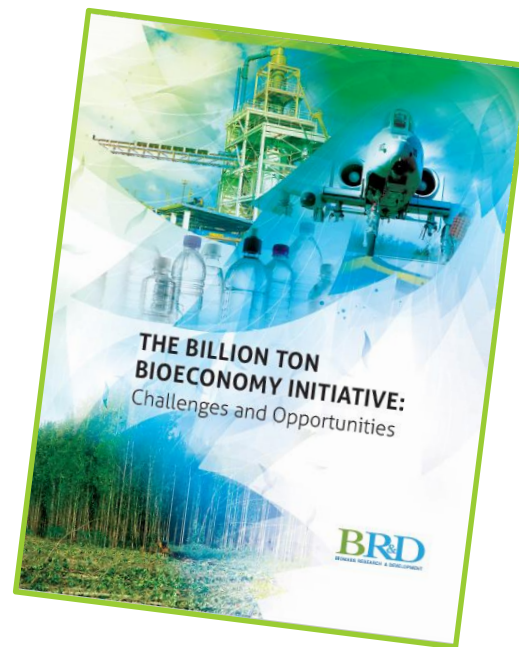


Program Management Review will take place in July 2019

Bioeconomy Implementation Framework

The Framework (formerly called the Action Plan) will serve as a guiding document for BR&D Board member agencies to implement the multi-agency Bioeconomy Initiative while:

1. Increasing government accountability and efficiency
2. Maximizing interagency coordination on research and other activities
3. Accelerating innovative and sustainable technologies that harness the nation's biomass resources.



Critical Research Areas under Implementation Framework

- Develop superior feedstock crop plants with improved yields and quality and less recalcitrance to deconstruction
- Improve enzyme and catalyst effectiveness, efficiency, and regeneration
- Improve catalytic and separations processes
- Develop new products, co-products, and robust processes
- Advance industrial efficiency through a more complete understanding of cellulosic breakdown and reformulation
- Understand and model materials characteristics and handling
- Waste gaseous carbon utilization



Biomass R&D Board Meeting: 4/11/2019 9:30-12 at DOE

Time	Topic	Speaker
20 minutes	Welcome/Initial Business	Co-Chairs
20 minutes	Update on the Bioeconomy Initiative (activities since last meeting, Framework release, communications plan)	Alison Goss Eng
30 minutes	IWG FY19 Work Plans	Alison Goss Eng
15 minutes	Technical Advisory Committee Update	TAC Co-chair(s)
25 minutes	Special topic: Small Business Innovation Research Updates	Devinn Lambert
10 minutes	Agency Updates	Board
Post-meeting: Framework release party		

Questions?