

Teaming Partner List No. TPL-0000038

Teaming Partner List for DE-FOA-0003178 Inflation Reduction Act Funding for Advanced Biofuels

- Topic Area 1: Pre-pilot Scale-Up of Integrated Biorefinery Technologies
 - Topic Area 1 will support the development of scaling up key process step(s). The proposed steps should be already developed at the bench-top scale. The FOA would first require the verification of the work at the bench-top scale, then support the development of the process step(s) to the pilot-scale. Likely work would entail designing and building the pilot-scale process step(s) and then performing an operational test. The proposed key step(s) are not required to comprise a fully integrated pilot scale unit by the end of the project, but rather can be utilized to support future integration of the entire process at pilot or demonstration scale.
 - Eligible applications will be required to explain how the proposed process meets the Renewable Fuel Standard definition of “advanced biofuel,” which is “renewable fuel, other than ethanol derived from cornstarch, that has lifecycle greenhouse gas emissions that are at least 50 percent less than baseline lifecycle greenhouse gas emissions.”^{1a}
 - EERE anticipates that, if the prime recipient is not a for-profit industry entity providing technical capability, then one or more for-profit industry partners providing technical capability must participate as subrecipient(s) with aggregate effort equivalent to at least 20% of the total cost of the project.
 - EERE also anticipates that for Topic Area 1 only, DOE/NNSA and non-DOE/NNSA Federally Funded Research and Development Centers (FFRDC) will be restricted from applying as a prime recipient but are eligible to participate as a subrecipient, with aggregate FFRDC effort not exceeding 50% of the total estimated cost of the project.
- Topic Area 2: Biointermediate Processing Toolbox
 - Topic Area 2 of the FOA will support the development and pilot-scale testing of key technology innovations for processing biointermediates; for example, co-processing biocrudes in legacy petroleum refinery infrastructure. Likely work would entail employing a technology feature to improve co-processing a biocrude with a petroleum feedstock, and then performing a pilot-scale operational test, along with employing a method to measure the biogenic carbon in the co-processed fuel if the biointermediate is co-processed with petroleum.
 - Eligible applications will be required to explain how the proposed process meets the Renewable Fuel Standard definition of “advanced biofuel,” which is “renewable fuel, other than ethanol derived from cornstarch, that has lifecycle greenhouse gas emissions that are at least 50 percent less than baseline lifecycle greenhouse gas emissions.”^{1b}

¹ <https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-80/subpart-A/section-80.2>

- EERE anticipates that, if the prime recipient is not a for-profit industry entity providing technical capability, then one or more for-profit industry partners providing technical capability must participate as subrecipient(s) with aggregate effort equivalent to at least 20% of the total cost of the project.
- If the user of the Teaming Partner List is interested in both topic areas, then the user could submit separate requests for each topic area.
- The preferred format of the topic area that the user should enter is 'Topic Area 1' or 'Topic Area 2'.