DOE Upcoming Funding Opportunity: FY24 Energy- and Emissions Intensive Industries

Notice of Intent No. DE-FOA-0003218  Prepared by FREO
DOE’s Industrial Efficiency and Decarbonization Office (IEDO) provides funding, management, and the strategic direction necessary for a balanced national program of research, development, and demonstration (RD&D), as well as technical assistance and workforce development, to drive transformative innovation in energy, materials, and production efficiency and to accelerate decarbonization across the industrial sector.

**Energy/Emissions Intensive Industries**

**Approximate Release Date**
December 2023

**Funding Mechanism**
Cooperative Agreements Topics 1-3 years (multiple awards)

**Approximate Value**
Unknown; but significant for NOI publication
Topic Area 1
Decarbonizing Chemicals and Fuels

AOIs:
• Conversion of sustainable feedstocks for high-volume energy- and emissions-intensive hydrocarbon chemicals and fuels
• Production of non-hydrocarbon products
• Chemical value chain decarbonization through alternative chemical pathways for fuels and products.
Topic Area 2
Decarbonizing Iron and Steel

AOIs

• Alternative ironmaking
• Iron ore quality improvements including ore beneficiation
• Improving circularity through minimizing/removing elemental contamination
• Low carbon steelmaking technologies
Topic Area 3
Decarbonizing Food and Beverage Products

AOIs

- Food packaging
- Commercial foodservice
- Alternative protein production
- Energy recombination in food and beverage processing
- Post-harvesting activities
Topic Area 4

Decarbonizing Cement and Concrete, Asphalt Pavements, and Glass

AOIs

• Low-carbon asphalt pavement materials;
• Novel concrete binders and formulations;
• Novel portland cement production processes;
• Glass decarbonization (alternative feedstocks, more tolerant formulation, and enhanced post-consumer recycling)
Topic Area 5

Decarbonizing Forest Products

AOIs

- Dewatering or drying technologies
- Fiber preparation
- Pulping
- Chemical recovery processes
Topic Area 4

Industrial preliminary front-end engineering (Pre-FEED) Projects

AOIs

- Integration of green hydrogen as a feedstock in:
  - Chemicals
  - Iron
  - Steel production
- Carbon capture for industrial sectors
- Integrated process and capture for:
  - Chemical production
  - Mineral processing
  - Iron and steel
For applicants that responded to the FY23 MT FOA or who plan to respond to the FY24 CST FOA are strongly discouraged from resubmitting largely identical applications to those currently under review.
Teaming List

https://eere-exchange.energy.gov/Default.aspx#Foald9acb988b-1446-41b8-a0e7-3265e92f80b9
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