



OCED

Office of Clean Energy Demonstrations



Service-Disabled Veteran-Owned Small Business Opportunities, FY2023

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Agenda

- Introduction
- OCED Background
- OCED Mandate
- BIL Provisions



OCED Background

- OCED Portfolio
- OCED Community Commitment
- HCA/VOSB Obligations
- Personal Commitment to Veterans



OCED's Mandate

1. **Serve as primary office in DOE for delivering full scale clean energy demonstration projects** and for project management oversight excellence
2. **Help enable 100% clean electricity by 2035 and net zero emissions by 2050** through an equitable energy transition
3. **Unlock trillion-dollar scale clean energy investment** from the private sector and other sources of capital
4. **Maintain risk-based, balanced, and defensible** portfolio of investments
5. **Leverage private sector partnerships and broader ecosystem engagement** to inform OCED and DOE technology commercialization efforts



OCED Funding Provisions

- Regional Clean Hydrogen Hubs (\$8 billion)
- Carbon Management (\$3.5 billion)
- Industrial Emissions Demonstrations (\$500 million + \$5.8B in IRA)
- Long Duration Energy Storage Initiative (\$505 million)
- Energy Improvement in Rural and Remote Areas (\$1 billion)
- Clean Energy Demonstrations on Mine Land (\$500 million)

Note: All provisions are expected to carry an up to 50% Federal cost share and a 50% non-Federal cost share.



Hydrogen Hubs

- Build at least four regional clean hydrogen hubs across the country to create networks of hydrogen producers, consumers, and local connective infrastructure to accelerate use of hydrogen
 - 6-10 Awards between \$400M and \$1.25B
- Current Status
 - Funding Opportunity Announcement out at <https://oced-exchange.energy.gov/>
 - Applications due April 7, 2023 at 5:00 p.m. Eastern



Carbon Management

- Includes two programs:
 - Carbon Capture Demonstration Projects Program (\$2.5B) to develop six carbon capture facilities to improve costs, emissions reductions, and environmental effects from coal and natural gas;
 - Carbon Capture Large-Scale Pilot Projects (\$937M) to establish and test innovative carbon capture pilot projects large enough to support new processes and technology improvements at scale
- Current Status
 - Carbon Capture Front End Engineering Study out at <https://oced-exchange.energy.gov/>
 - 12 -20 projects, between \$9M-\$12M
 - Subsequent opportunities coming in FY23



Industrial Emissions

- Establish demonstration projects that reduce industrial emissions
- \$6.3B available through BIL and IRA
- Current Status
 - FOA development underway, release planned for spring 2023



Long Duration Energy Storage

- Includes two programs:
 - Energy Storage Demonstration and Pilot Grant Program (\$355M) to build energy storage projects to improve grid security, reliability and facilitate clean energy on the grid;
 - Long-Duration Energy Storage Demonstration Initiative and Joint Program (\$150M) to construct long-duration energy storage technologies at different scales for commercial viability with a Joint Program with DOD for long-duration demos on government facilities
- Current Status
 - First FOA expected out in the very near future



Energy Improvement in Rural and Remote Areas

- Improve the resilience, safety, reliability, and availability of energy in rural or remote areas and increase environmental protection from the adverse impacts of energy use, \$1B available
 - Rural or remote is defined as cities, towns, or unincorporated areas with fewer than 10,000 inhabitants
- Current Status
 - Opportunity planned for early-to-mid-2023



Clean Energy Demonstrations on Mine Lands

- Carry out up to five clean energy projects on current and former mine land to show technical and economic feasibility, \$500M available
 - Two solar projects and up to three other clean energy projects
- Current Status
 - Still in planning phase, opportunity TBD.



Thank You!

FOR MORE INFORMATION, PLEASE VISIT:

www.energy.gov/OCED

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