



U.S. DEPARTMENT OF
ENERGY

Office of Clean Energy Demonstrations

Kelly Cummins, Acting Director and Principal Deputy Director for Clean Energy Demonstrations

January 25, 2022



Office of Clean Energy Demonstrations (OCED)

- DOE announced the establishment of OCED on December 21 to deliver more than \$20 billion provided by the Bipartisan Infrastructure Law (BIL) to support large-scale clean energy demonstration projects
- The founding of OCED represents a new chapter that builds on DOE's long-standing position as the premier international driver for clean energy research and development, expanding DOE's scope to fill a critical innovation gap on the path to net-zero emissions by 2050
- OCED's programs include billions of dollars to invest in clean hydrogen, carbon capture and removal, advanced nuclear, and demonstration projects in rural areas and economically hard-hit communities

Scope of OCED in the Bipartisan Infrastructure Law

- Carbon Capture Pilots (\$937 million)
- Carbon Capture Demonstrations (\$2.5 billion)
- Industrial Emissions Demonstrations (\$500 million)
- Clean Energy Demonstrations on Mine Lands (\$500 million)
- Rural/Remote Energy Improvement (\$1 billion)
- Upgrading Grids Demonstrations (\$5 billion)
- Energy Storage Demonstrations (\$505 million)
- Regional Hydrogen Hubs (\$8 billion)
- Advanced Reactor Demonstrations (\$2.5 billion)

OCED Mission and Functions

- **Mission**

- Lead DOE's efforts to deliver clean energy technology demonstration projects at scale in partnership with the private sector
- The goal of these projects is to accelerate deployment and market adoption of technologies to facilitate an equitable transition to 100% clean electricity by 2035 and net-zero emissions by 2050

- **Functions**

- Setting multi-year OCED program plans in partnership with the applied offices, the Loan Programs Office, the Office of Technology Transitions and others
- Conducting evaluations of proposals for projects
- Conducting independent oversight of the execution of projects after funding has been awarded
- Ensuring a balanced portfolio of investments
- Assessing the lessons learned in overseeing projects and implementing improvements in the process of evaluating and overseeing projects

Next Steps

- **Recruiting staff**
- **Coordinating across DOE through the Clean Energy Demonstrations Implementation Coordination Team**
- **Designing initial program concepts for demonstrations**
- **Ensuring lessons learned are part of program planning**
- **Identifying options for maximizing impact – jobs, Justice benefits, and greenhouse gas reductions**
- **Developing stakeholder communication and engagement strategies**