



U.S. DEPARTMENT OF
ENERGY

Office of Clean Energy Demonstrations

Melissa Klembara, Deputy Director for Portfolio Strategy (Acting)
Office of Clean Energy Demonstrations



Bipartisan Infrastructure Law Implementation



NOVEMBER 15, 2021
President Biden signs Bipartisan
Infrastructure Law

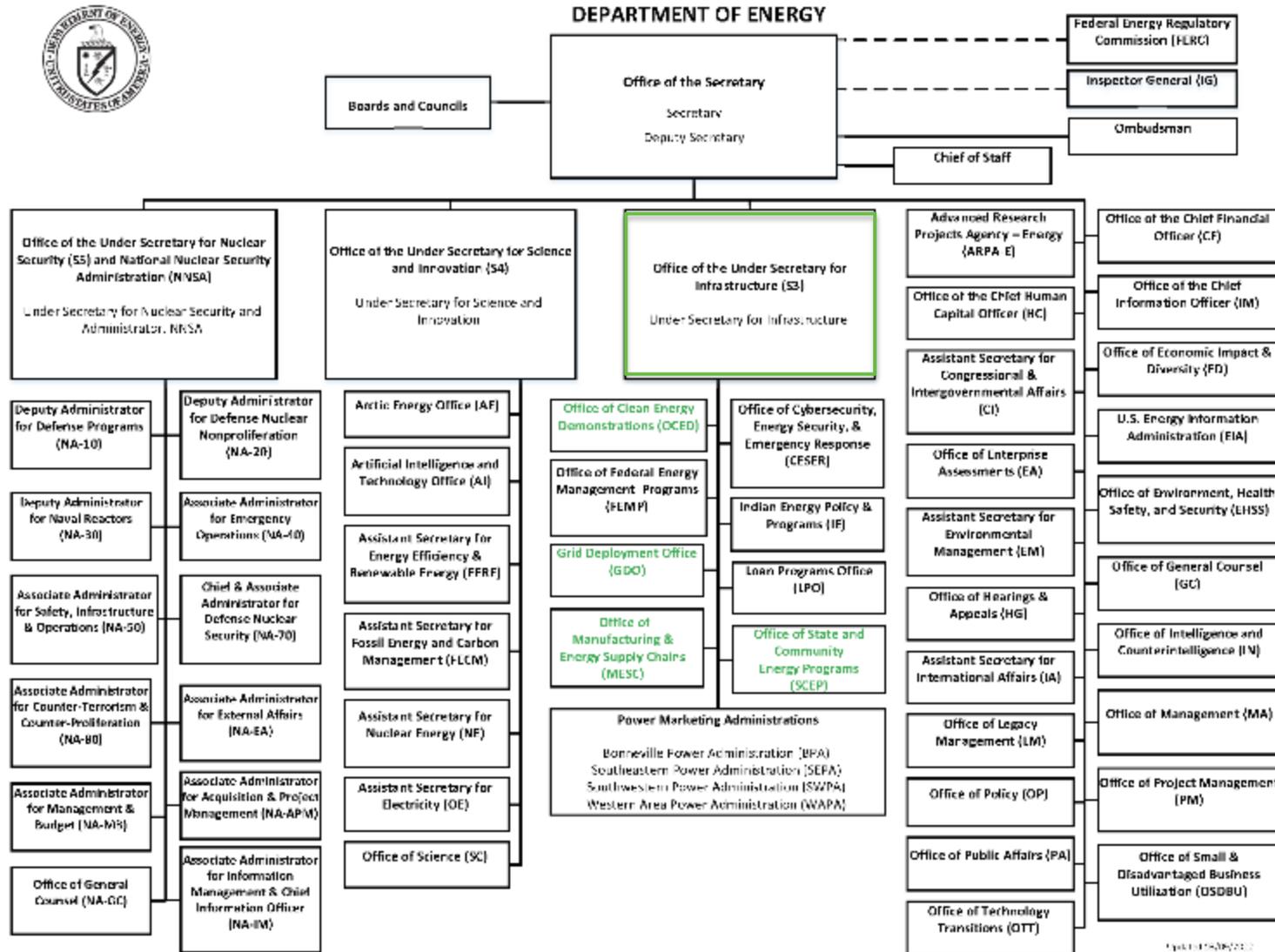


BRIEFING ROOM

FACT SHEET: Biden-Harris Administration Hits the Ground Running to Build a Better America Six Months into Infrastructure Implementation

MAY 15, 2022
180 Days into
BIL Implementation

DOE Organization Chart



New Offices Under the Office of the Under Secretary for Infrastructure (S3)

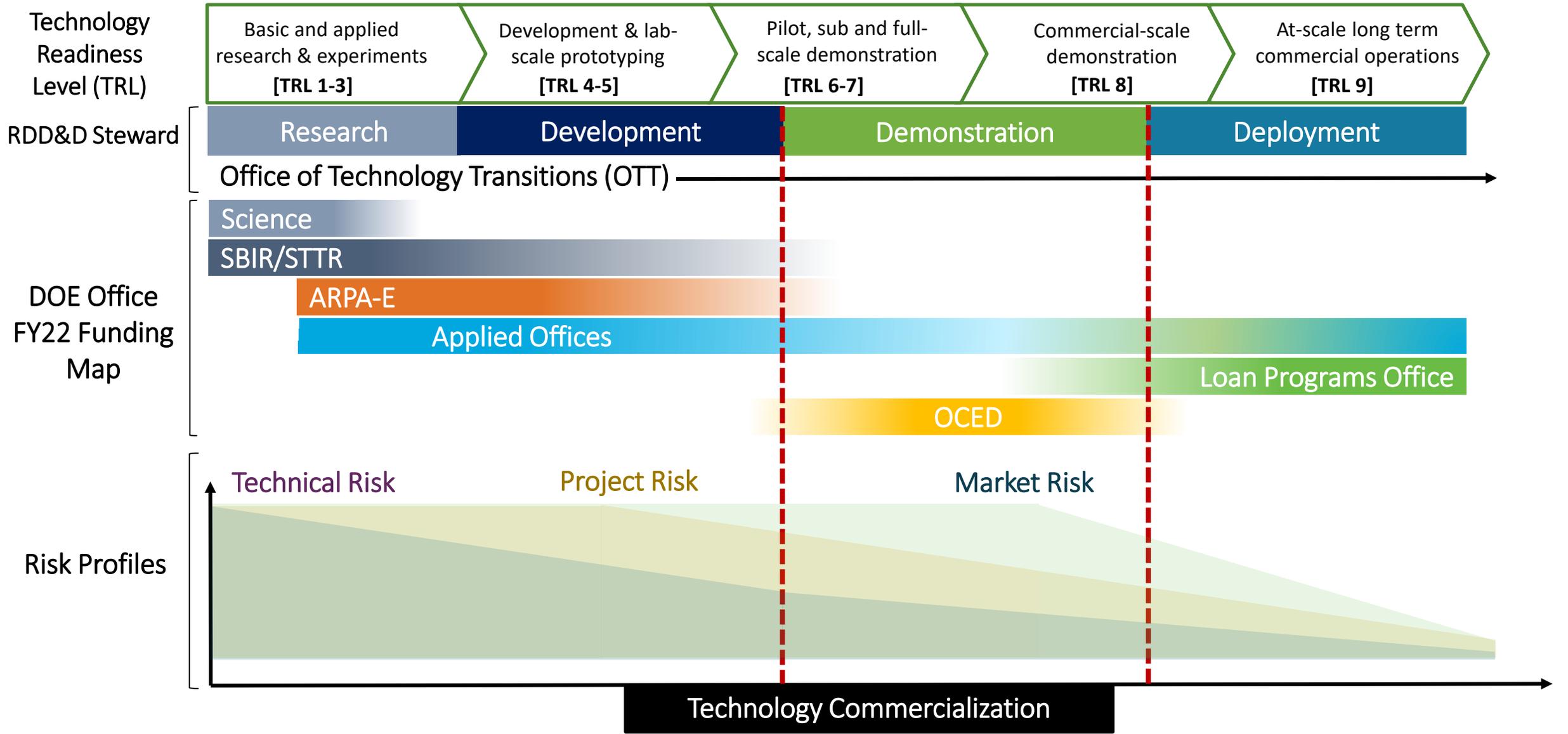
- Office of Clean Energy Demonstrations (OCED)
- Grid Deployment Office (GDO)
- Office of Manufacturing & Energy Supply Chains (MESC)
- Office of State and Community Energy Programs (SCEP)

Updated 10/20/2023

Bipartisan Infrastructure Law and Office of Clean Energy Demonstrations

- The Bipartisan Infrastructure Law (BIL) more than triples DOE's annual funding for energy programs, including significantly expanded research and development (R&D) and entirely new demonstration and deployment missions
- DOE announced the establishment of the Office of Clean Energy Demonstration (OCED) in December 2021 to deliver \$21.5 billion provided by the BIL to support large-scale clean energy demonstration projects
- OCED will build 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 carbon-free electricity in the U.S. by 2035 and a net-zero economy by 2050
- OCED will help bridge the gap between research and development to validate technologies in real-world conditions and provide confidence that the technology works as intended

OCED Role Across Research, Development, Demonstration & Deployment (RDD&D) Continuum



OCED Mission and Key Tenets of Demonstration Projects

- **Mission:**

- Deliver clean energy demonstration projects at scale in partnership with the private sector to launch or accelerate market adoption and deployment of technologies
- Support the equitable transition to carbon-free electricity by 2035 and a net-zero economy by 2050

- **Key Tenets of Federally-Supported Demonstration Projects:**

- Are a pathway to technical and commercial risk reduction and learning to make projects commercially viable by addressing technology challenges and driving down cost curves
- Must target relevant operational environments, scales, and timeframes to validate the performance, cost, and value
- Should enable downstream market adoption and deployment to accelerate scale-up leading to greenhouse gas reductions, job creation, and achieving environmental justice priorities
- Involve substantial risk and the known and unknown risks factors will impact project outcomes

Scope of OCED in the Bipartisan Infrastructure Law

- Regional Clean Hydrogen Hubs (\$8 billion)
- Upgrading Grids Demonstrations (\$5 billion)
- Advanced Reactor Demonstrations (\$2.5 billion)
- Carbon Capture Demonstrations (\$2.5 billion)
- Carbon Capture Large-Scale Pilot Projects (\$937 million)
- Energy Improvement in Rural and Remote Areas (\$1 billion)
- Industrial Emissions Demonstrations (\$500 million)
- Clean Energy Demonstrations on Mine Lands (\$500 million)
- Energy Storage Demonstration and Pilot Grants (\$355 million)
- Long Duration Demonstration Initiative and Joint Program (\$150 million)

For More Information

Website: <https://www.energy.gov/office-clean-energy-demonstrations>

Email: dl-oced-engagement@hq.doe.gov