

Advanced Wind and Solar: CFTI Demonstrated Successes in the 117th Congress

Demonstration:

- Offshore
 - \$31 million funding for Atlantis II Aerodynamic Turbines, Lighter and Afloat, with Nautical Technologies and Integrated Servo-control program.
- Solar
 - \$25 million for FY2022 solar-thermal power research, development, and demonstration.

Research and Development

- Offshore wind
 - \$6.85 million competition award for optimizing floating platform technologies and getting them ready for wide-scale domestic manufacturing and commercialization.
 - \$3 million for developing a set of modeling tools to help industry and researchers design commercial scale floating offshore wind farm arrays in U.S. waters.
 - \$1.6 million from DOE and BOEM for supporting co-existence of floating offshore wind with bats on the West Coast of the United States.
 - \$3.5 million from DOE and the New York State Energy Research and Development Authority for facilitating ocean area co-existence with marine mammals and fishing and to support offshore wind transmission for both fixed bottom and floating technologies.
 - DOE funding to review existing transmission studies and identify research gaps related to offshore wind integration in California, Oregon, and Washington.
- Solar
 - \$24 million for solar manufacturing incubator
 - \$29 million for photovoltaics research and development
 - \$33 million for renewables advancing community energy resilience.

Deployment

- Solar
 - Solar technologies included under the Investment Tax credit including enhancements for domestic content and energy community investments.
 - Advanced manufacturing tax credit for PV module and subcomponents, PV inverter, and PV tracking systems.