



Floating Offshore Wind Shot

Wind Energy Technologies Office

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FLOATING OFFSHORE WIND SHOT™ SUMMIT

The first-ever **Floating Offshore Wind Shot Summit** was held on February 22-23, 2023.

The Floating Offshore Wind Shot is an initiative to help usher in a clean energy future by driving U.S. leadership in floating offshore wind design, development, and manufacturing.

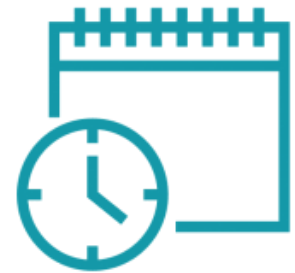
It is part of the U.S. Department of Energy's **Energy Earthshots Initiative** to tackle key remaining technical challenges to reaching U.S. climate goals while creating jobs and economic opportunities for U.S. communities.

Floating offshore wind is key to transitioning dense population centers to clean energy, and would also mean thousands of jobs in wind manufacturing, installation, and operations.

The Floating Offshore Wind Energy Shot seeks to reduce the cost of floating offshore wind energy by more than 70%, to \$45 per megawatt-hour by 2035 for deep water sites far from shore.



>70% Reduction

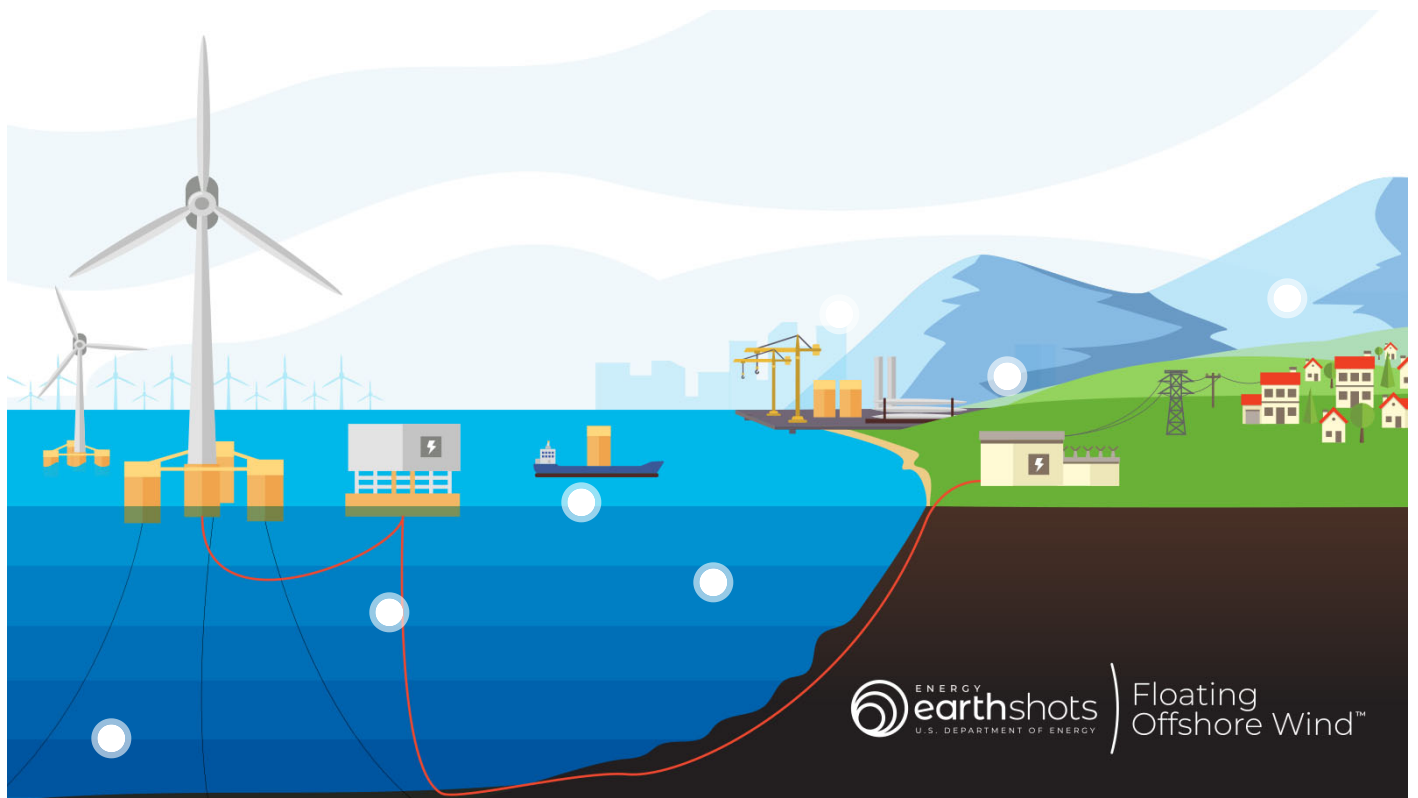


2035

About two-thirds of U.S. offshore wind energy potential exists over waters too deep for today's fixed-bottom wind turbine foundations secured directly to the sea floor, and instead require floating platforms. These structures will be among the largest humankind has ever constructed. Achieving the Floating Offshore Wind Shot goals will require an all-out effort to develop a robust domestic supply chain, reduce technology costs, and plan and build out needed transmission.

[Read the Floating Offshore Wind Shot Fact sheet>>](#)

Goals of the Floating Offshore Wind Energy Earthshot



Relevant open funding opportunities

- **\$30 million for Wind Materials and Manufacturing**
- **\$200 million to support Energy Earthshots**
- **\$350 Funding Opportunity: Bipartisan Infrastructure Law: Advanced Energy Manufacturing and Recycling Grant Program**

Featured DOE research on floating offshore wind

- **Floating Offshore Wind ReadINess (FLOWIN) Prize**
- **Regional Transmission Planning and Support**
- **West Coast Transmission Literature Review and Gaps Analysis**
- **DOE Lidar Buoy Deployment in Hawaii**
- **West Coast Ports Analysis**
- **Floating Offshore Wind Farm Design**
- **Offshore Wind Demonstration Projects**

- Award to advance two lightweight, lower-cost floating offshore wind turbine technologies
- ARPA-E Aerodynamic Turbines Lighter and Afloat with Nautical Technologies and Integrated Servo-control (ATLANTIS) Program
- DOE and BOEM studies to collect environmental baseline data and develop monitoring technologies on the West Coast

Other DOE announcements of new funding, work, or publications since the initiation of the Floating Offshore Wind Shot

- U.S. Offshore Wind Supply Chain Roadmap
- University-Based Offshore Wind Centers and Aquaculture Co-Location RFI
- Funding to Address Wind Deployment Barriers
- National Offshore Wind Research and Development (R&D) Consortium
- Offshore Wind Operations and Maintenance Roadmap
- DOE Offshore Wind R&D
- DOE's Loan Programs Office Loan Guarantees
- Clean Hydrogen RD&D
- Transmission Facilitation Program
- Grid Resilience and Innovation Partnerships (GRIP) Program

Key initiatives from federal partners

- Goal to deploy 15 GW of floating offshore wind by 2035
- Federal-state offshore wind partnership
- Port Infrastructure Development Program
- Federal Ship Financing Program (Title XI)
- Partnership with NOAA-Sea Grant to advance the co-existence of fishing, coastal communities, and regional ocean renewable energy development

Briefing on the Floating Offshore Wind Shot and Deployment Goal

DOE and the Bureau of Ocean Energy Management hosted a webinar on their ambitious initiatives to position the U.S. to lead the world on floating offshore wind design, development, manufacturing, and deployment. [Download the slides from this webinar.](#)

U.S. Department of Energy



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