

Prizes & DOE

DOE SBIR Meeting

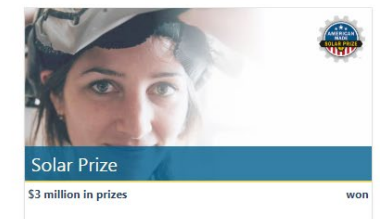
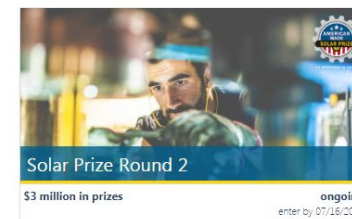
October 29, 2019



Prizes and EERE: American Made Challenge Platform

Why Prizes

- Increase cost-effectiveness to maximize the return on taxpayer dollars;
- Increase the number of solvers tackling a problem and to identify novel approaches, without bearing high levels of risk;
- Bring out-of-discipline perspectives to bear;
- Pay only for success and establish an ambitious goal without having to predict which team or approach is most likely to succeed; and
- Establish clear success metrics and validation protocols in the prize rules that themselves become defining tools and standards for the subject industry or field.



American-Made Challenges

Accelerator for U.S. Domestic Energy and Global Business Opportunities

The American-Made Challenges incentivize the nation's entrepreneurs to reassert American leadership in the energy marketplace. These new challenges seek to lower the barriers U.S.-based innovators face in reaching manufacturing scale by accelerating the cycles of learning from years to weeks, while helping to create partnerships that connect entrepreneurs to the private sector and the network of DOE's National Laboratories across the nation.



U.S. DEPARTMENT OF ENERGY



Office of
ELECTRICITY



CHANGING WHAT'S POSSIBLE

Water Power Prize Portfolio: Supporting Hydro & Marine



DISCOVER COMPETITION

DISCOVER
Propose your novel idea
90 Days
\$125,000 Cash Prize Pool
Up to 11 winners



Unmanned Vehicles



Buoys, Floats and Tags



Ocean Communications & Underwater Navigation



Extreme Environments



Blue Sea Ideas

DEVELOP COMPETITION

DESIGN
Develop plans and models
90 days
Up to \$1 Million in awards



DESIGN
Develop plans and models
90 days
Up to \$1 Million Cash Prize Pool



BUILD
Develop and test a prototype
6 - 8 months
Up to \$2 Million in awards



BUILD
Develop and test a prototype
6 - 8 months
Up to \$2 Million Cash Prize Pool



- Propose a Wave Powered System** 90 days
Up to 20 Winners (\$200,000 Cash Prize Pool)
- Develop Detailed Plan and Model** 90 days
10-20 Winners (\$800,000 Cash Prize Pool)
- Demonstrate Working Principles** 180 days
Up to 10 Winners (\$500,000 Cash Prize Pool)
- Test & Demonstrate in the Ocean** 180 days
Grand Prize up to \$500,000; and Individual Metrics Prizes up to \$500,000



Why to Participate and Where to Find Opportunities

- How to participate: Register for any of the open prizes, either through EERE or across the government.
- Advantages of Prizes for participants: Low barrier to entry, streamlined process, stage-gates allow for funding for different stages of development.
- EERE www.AmericanMadeChallenges.org
- Government-wide www.Challenge.gov