

Peer Review Overview

Ali Hewett, Strategy & Analysis Lead



U.S. DEPARTMENT OF
ENERGY
Office of ENERGY EFFICIENCY
& RENEWABLE ENERGY
WATER POWER TECHNOLOGIES OFFICE

What is a DOE Peer Review?

Peer review is defined as:

A rigorous, formal, and documented evaluation process using objective criteria and qualified and independent reviewers to make a judgment of the technical/ scientific/business merit, the actual or anticipated results, and the productivity and management effectiveness of an Office's portfolio of projects.²

- Essential to providing robust, documented feedback to inform program planning
- Essential to designing future program and/to enhancing existing efforts

**2022 PROJECT
PEER REVIEW**

U.S. DEPARTMENT OF ENERGY
WATER POWER TECHNOLOGIES OFFICE



2022 Peer Review Eligibility

- **Active projects** during the Peer Review Period: **FY 2019, 2020, and 2021** (October 2018 to September 2021)
- Examples of projects that the program could choose to omit from the 2022 Peer Review:
 - A project that was active in FY19–FY21 but has already been peer reviewed, and there would be minimal value in reviewing again.
 - A project active in FY19 but only for closeout activities. Not much work was completed in FY19, and/or the project was already reviewed in the 2019 Peer Review.
 - A project using FY20 \$ but was not awarded/started until FY21 and was only focused on preliminary scoping activities in FY20.
 - An Annual Operating Plan (AOP) associated with a Funding Opportunity Announcement (FOA) project. In most cases, lab support to or involvement in a FOA project will be captured in the FOA project's overall presentation.

2022 Peer Review Strategies

Simplified Virtual Event Logistics

- Split the review up by program.
- Spread the review out into shorter blocks of presentations to create more manageable and engaging time blocks.
- Simplify the event itself—no external plenary presentations or networking events.
- Allow presenters to prerecord or present live, but require live Q&A.

Improved Principal Investigator (PI) Presentation Templates

- Simplify the presentation template (and evaluation criteria) to allow presenters to showcase their approach and results and why the project is impactful.
- Remove boiler plate challenges/approaches from presentations.
- Remove the project narrative requirement.
- Submit logic models for Annual Operating Plans (AOPs)/lab projects.
- Make budgetary info for AOPs and Funding Opportunity Announcements (FOAs) consistent.
- Make start and end dates consistent.

Reasonable Reviewer Requirements

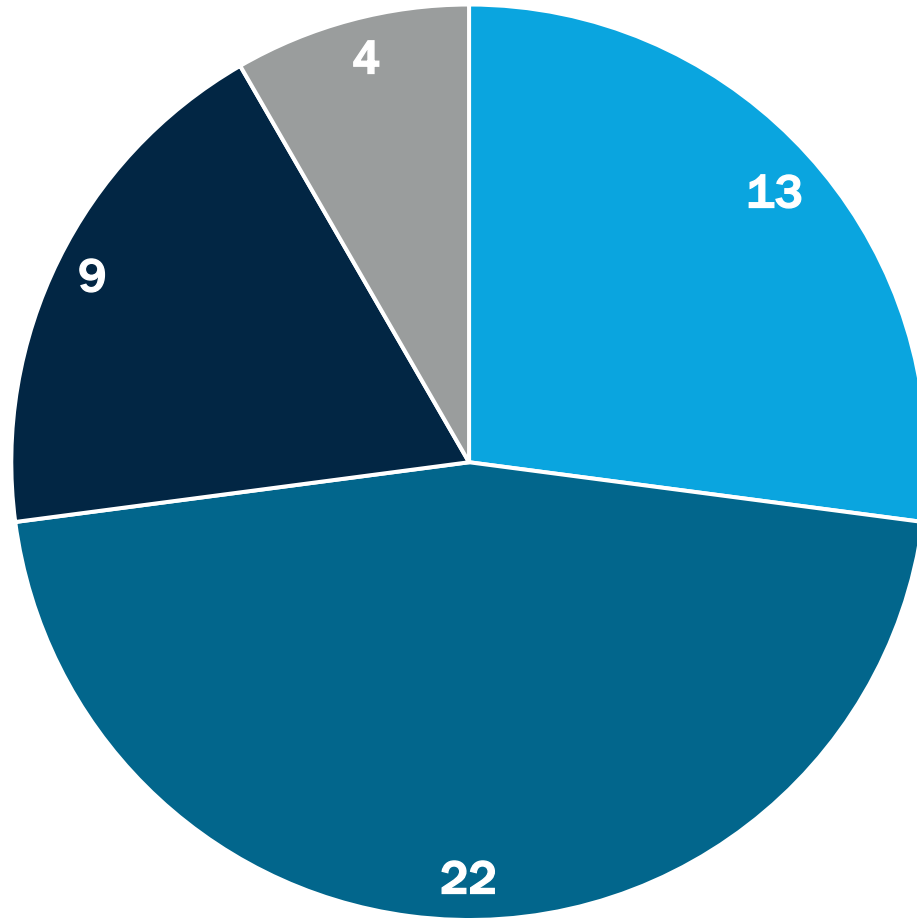
- Continue to provide as much material as we can ahead of the review, including Multi-Year Program Plan (MYPP), slide decks, logic models, and other resources.
- Include fewer projects for review.
- Increase number of reviewers.
- Simplify the criteria to reduce time spent filling out reviews in reviewer tool.

Marine Energy Review Panels

Foundational R&D		
David Ingram	University of Edinburgh	Panel Lead
Deborah Greaves	Supergen Offshore Renewable Energy Hub (University of Plymouth)	Reviewer
Jessie Carman	NOAA, Weather Program Office	Reviewer
Umesh Korde*	Johns Hopkins University	Reviewer
Technology-Specific System Design and Validation		
Henry Jeffrey	University of Edinburgh	Program Chair / Panel Lead
Beth Dickens	Quocean Ltd.	Reviewer
Claudio Bittencourt Ferreira	DNV Renewables	Reviewer
Sue Molloy*	Glas Ocean Electric	Reviewer
Reducing Barriers to Testing		
Sue Barr	Cambrian Offshore	Panel Lead
Denis Nault	Maine Department of Marine Resources	Reviewer
Louise McGarry	Fundy Ocean Research Centre for Energy	Reviewer
Phil Vitale	Retired (formerly NAVFAC)	Reviewer
Data Access, Analytics, and Workforce Development		
Michael Atkinson	North Carolina A&T State University	Panel Lead
Ana Couto*	European Marine Energy Center	Reviewer
Dan Hasselman*	Fundy Ocean Research Centre for Energy	Reviewer
Linda Silverman*	Potential Energy DC	<i>STEM/Workforce Reviewer Only</i>
Prizes		
Donna Vincent Roa	Vincent Roa Group	Prize Reviewer
Sally Gutierrez	Environmental Protection Agency	Prize Reviewer
Craig Connelly	NYSERDA	<i>Hydro Prize Reviewer Only</i>

*Selected to also review the crosscutting Marine Energy STEM and Workforce project.

Number of Projects for Review by Activity Area



- Foundational R&D
- Technology-Specific System Design and Validation¹
- Reducing Barriers to Testing
- Data Access, Analytics, and Workforce Development²

¹Prizes will be reviewed by both the activity area review panel and additional prize-specific reviewers.

²Includes one crosscutting STEM project that will be reviewed twice—by both hydro and marine reviewers

Marine Energy Program Agenda At-A-Glance

- July 18–22, 2022
- [Detailed agenda online](#)

DAY 1 – MONDAY, JULY 18, 2022		
MARINE ENERGY PROGRAM OPENING PLENARY		
Start (ET)	End (ET)	Presentation Topic
10:00 AM	10:30 AM	WPTO Overview
10:30 AM	10:45 AM	Peer Review Introduction
10:45 AM	11:30 AM	Marine Energy Program Overview
11:30 AM	11:40 AM	BREAK
11:40 AM	12:20 PM	Powering the Blue Economy Overview
12:20 PM	12:50 PM	Marine Energy STEM and Workforce Development
12:50 PM	ADJOURN AND MOVE TO ACTIVITY AREA BREAKOUTS (Days 2–4)	

DAY 2 – TUESDAY, JULY 19, 2022		
PARALLEL ACTIVITY AREA PROJECT REVIEW SESSIONS		
Start (ET)	End (ET)	Review Session
10:00 AM	2:15 PM	Foundational R&D
10:00 AM	2:40 PM	System Design and Validation

DAY 3 – WEDNESDAY, JULY 20, 2022		
PARALLEL ACTIVITY AREA PROJECT REVIEW SESSIONS		
Start (ET)	End (ET)	Review Session
10:00 AM	1:50 PM	Foundational R&D
10:00 AM	2:40 PM	System Design and Validation
10:00 AM	2:15 PM	Reducing Barriers to Testing

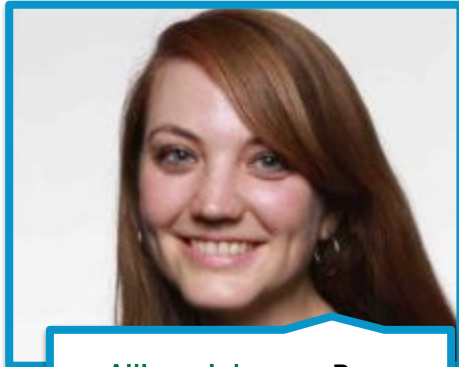
DAY 4 – THURSDAY, JULY 21, 2022		
PARALLEL ACTIVITY AREA PROJECT REVIEW SESSIONS		
Start (ET)	End (ET)	Review Session
10:00 AM	1:55 PM	System Design and Validation
10:00 AM	11:15 AM	Reducing Barriers to Testing
10:00 AM	12:15 PM	Data Access, Analytics, and Workforce Dev.

DAY 5 – FRIDAY, JULY 22, 2022		
REVIEWER DEBRIEF WITH WPTO		
Start (ET)	End (ET)	Presentation Topic
10:00 AM	11:00 AM	Foundational R&D
11:00 AM	12:00 PM	System Design and Testing
12:45 PM	1:45 PM	Reducing Barriers to Testing
1:45 PM	2:15 PM	Data Access, Analytics, and Workforce Dev.

Timekeeping

- Most project presentations will be kept to a strict 15 minutes, with 10 minutes of Q&A following.
- Some presentations were given longer timeslots. The ratio is still the same.
- Review session moderators will send a chat to Presenters group "2 minutes left."
- Once your time is up, the moderator will verbally notify you it is time to move onto the Q&A portion.
- Please respect your fellow presenters by keeping within your allotted time.
- The Review Panel Lead will kick off the Q&A, then allow questions from the other reviewers, and then the audience, time permitting.
- Any questions left unanswered due to time limitations can be addressed

Thank You to the Peer Review Team!



Allison Johnson, Peer Review Advisor



Bill McShane, Marine Energy Program Lead



Charlene Goldman, Marine Energy Program Support



Dana McCoskey, Hydropower Program Lead



Madden Sciubba, Hydropower Program Support



Melissa Ladd, Peer Review Support



Maxine Hillman, Event Support



Amanda Larson, Operations Support

Questions?

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