

TEAMER Request for Technical Support (RFTS) Application

TITLE & CONTACT INFORMATION

RFTS APPLICATION TITLE

PROJECT TITLE

APPLICANT / PRIMARY POINT OF CONTACT (POC)

NAME

JOB TITLE

ORGANIZATION

WEBSITE

EMAIL

PHONE

MAILING ADDRESS

U.S. Organization Non-U.S. Organization U.S. Subsidiary Organization

Please list any additional key personnel below (name, organization, job title):

Section 1 - PROJECT SUMMARY

Responses are limited to 1500 characters. Attachments are allowed but should be referenced in the description and limited to visual information only

1. DESCRIBE THE SYSTEM AND HOW IT WORKS

2. DESCRIBE THE ANTICIPATED MARKET, APPLICATION OR END USER

Section 1 - PROJECT SUMMARY (continued)

Responses are limited to 1500 characters. Attachments are allowed but should be referenced in the description and limited to visual information only

3. WHAT ARE YOUR TECHNICAL ASSISTANCE OBJECTIVES AND WHAT SUPPORT FOR THEM IS BEING REQUESTED THROUGH TEAMER?

4. WHY IS THE WORK BEING PROPOSED HERE A LOGICAL NEXT R&D STEP AND HOW WILL IT IMPROVE THE SYSTEM AND/OR ADVANCE THE STATE OF MARINE ENERGY TECHNOLOGY AND SCIENTIFIC KNOWLEDGE?

Section 2 - PAST WORK SUPPORTING PROPOSED TEAMER ASSISTANCE

Responses are limited to 1500 characters. Attachments are allowed but should be referenced in the description and limited to visual information only

1. HAS ANY RELEVANT ANALYTICAL / NUMERICAL MODELING BEEN COMPLETED?

IF YES - DESCRIBE NUMERICAL MODELING SOFTWARE, APPROACH, AND RESULTS:

2. HAS ANY RELEVANT LAB & BENCH TESTING BEEN COMPLETED?

IF YES - DESCRIBE COMPONENT(S) AND/OR SUBSYSTEM(S), APPROACH, AND RESULTS:

Section 2 - PAST WORK SUPPORTING PROPOSED TEAMER ASSISTANCE (continued)

Responses are limited to 1500 characters. Attachments are allowed but should be referenced in the description and limited to visual information only

3. HAS ANY RELEVANT TANK, FLUME, TUNNEL AND/OR BASIN TESTING BEEN COMPLETED?

IF YES - DESCRIBE DEVICE, APPROACH, AND RESULTS:

4. HAS ANY RELEVANT OPEN WATER/FIELD TESTING BEEN COMPLETED?

IF YES - DESCRIBE TEST, APPROACH, AND RESULTS:

Section 2 - PAST WORK SUPPORTING PROPOSED TEAMER ASSISTANCE (continued)

Responses are limited to 1500 characters. Attachments are allowed but should be referenced in the description and limited to visual information only

5. HAS ANY OTHER RELEVANT R&D WORK BEEN PERFORMED TO DATE (LITERATURE REVIEW, DESIGN REVIEW, ETC.)?

IF YES - DESCRIBE OR LIST LINKS TO OTHER RELEVANT R&D NOT INCLUDED ABOVE:

6. HOW WILL THE TEAMER ASSISTANCE BUILD OFF OF OR IMPROVE PREVIOUSLY COMPLETED WORK?

Section 3 - REQUESTED ASSISTANCE

ANTICIPATED MARKET/APPLICATION (check all that apply)

See the DOE's [Powering the Blue Economy](#) report for a description of the Resilient Coastal Community and Power at Sea markets.

- Utility Scale Continental Grid
- Resilient Coastal Communities – General
- Resilient Coastal Communities – Microgrid & Isolated Communities
- Resilient Coastal Communities – Desalination
- Resilient Coastal Communities – Coastal Resiliency and Disaster Recovery
- Power at Sea – General
- Power at Sea – Unmanned Vehicle Charging (including military and oil & gas applications)
- Power at Sea – Ocean Observation
- Power at Sea – Offshore Marine Aquaculture
- Power at Sea – Marine Algae
- Power at Sea – Seawater Mining
- Crosscutting Research & Development (enter text)
- Other _____

RESOURCE TYPE (check all that apply)

- Wave
- Tidal Current
- Ocean Current
- River Current
- OTEC

RFTS ASSISTANCE TYPE (select one)

- Modeling & Analysis
- Lab & Bench Tests
- Tank, Flume, Tunnel & Basin Tests

Open water/field tests are not available for RFTS 1 but are anticipated to be available for future funding rounds.

Section 4 - TEST ARTICLE INFORMATION

THIS SECTION NOT NECESSARY FOR MODELING & ANALYSIS APPLICATIONS

ANTICIPATED TEST ARTICLE DIMENSIONS

Height (m):

Length (m):

Width (m):

Dry Weight (lbs):

DESCRIBE ANTICIPATED TEST ARTICLE

800 characters or less. Attachments are allowed but should be referenced in the description and limited to visual information only.

Section 5 - FACILITY INFORMATION

*To maximize the chances for a successful project, all TEAMER applicants are required to have a substantive conversation with staff at their desired facility/facilities (in some cases “facility” refers to a team of specialists providing modeling expertise or other capabilities) prior to applying for support. These conversations should include discussion of timing and capacity constraints, hardware and software requirements, safety and liability concerns, intellectual property terms, and any other topics critical to the ultimate success of collaboration between the applicant and facility on the proposed activities. For each application, facilities will be required to supply a letter of response to confirm that these conversations have occurred, and the proposed project is achievable within the facility capabilities and program constraints. **Please do not submit your application without talking to facilities first.***

Proposals that are selected to move forward will be required to complete a detailed testing plan in cooperation with their paired facility prior to award.

Note: The list of qualified TEAMER facilities may change with each RFTS based on newly added facilities and others that may be unavailable for various reasons. See the [TEAMER Facility Network page](#) for details on individual facilities.

PREFERRED FACILITY 1:

FACILITY 1 POINT OF CONTACT NAME:

FACILITY 1 POINT OF CONTACT EMAIL:

SELECTION RATIONALE: (500 characters or less)

PREFERRED FACILITY 2 (OPTIONAL):

FACILITY 2 POINT OF CONTACT NAME: _____

FACILITY 2 POINT OF CONTACT EMAIL: _____

SELECTION RATIONALE: (500 characters or less)

Section 6 - FACILITY CAPABILITY REQUIREMENTS

Responses limited to 500 words or less. No attachments necessary for Section 6.

1. IF TESTING A DEVICE, WHAT CONDITIONS ARE NEEDED?

2. BESIDES CORE FACILITY/EXPERTISE, WHAT OTHER CAPABILITIES ARE NEEDED (INSTRUMENTATION, CONNECTIONS, COMPRESSED AIR, ETC.)?

WHO WILL PROVIDE DATA ACQUISITION SYSTEM (DAQ)? Check all that apply below.

Applicant

Facility

Not Applicable

WHO WILL BE PRIMARILY RESPONSIBLE FOR PROCESSING THE DATA? Select one below

Applicant

Facility

Not Applicable

Section 7 - PREFERRED ASSISTANCE WINDOW

All RFTS 1 tests must begin within four months of selection, taking into account the time needed for developing a test plan and all logistical work that must occur prior to tests. Testing time estimates/dates below must have already been tentatively confirmed with the facilities entered above.

1. ANTICIPATED NUMBER OF FACILITY HOURS REQUIRED TO ACCOMPLISH STATED OBJECTIVE

2. ESTIMATED START DATE (must be between 10/1/2020-2/1/2021)

3. ESTIMATED END DATE

4. TIMING CONSTRAINTS (SEASONALITY, RELATED MILESTONE DEPENDENCIES, ETC.) (optional): (500 characters or less)

Section 8 - ASSISTANCE DATA & METRICS

1. DESCRIBE THE KEY PARAMETERS THAT WILL BE MEASURED/GENERATED AND HOW THEY WILL MAP TO QUANTIFIABLE METRICS (I.E. IMPACT ON LCOE, TRL LEVELS, PERFORMANCE IMPROVEMENTS, MODEL VALIDATION CRITERIA, SCHOLARLY PUBLICATIONS)

In an effort to accelerate the advance of marine energy applications and be a responsible steward of public funding, TEAMER requires open and timely release of data collected/generated during assistance. Participants are encouraged to submit any project data that may be useful to others in the industry. Sufficient metadata must be provided to ensure that submitted data are usable and comprehensible.

At a minimum, participants will be required to upload data and scripts to the MHKDR used to make all figures, tables, and charts in the Post Access Report and data demonstrating progress towards meeting all the objectives identified in this section and work plan. If you have questions about data protection and intellectual property, please contact us.

2. WHAT TYPE OF DATA DO YOU PLAN TO PUBLICLY RELEASE?
3. HOW SOON DO YOU PLAN TO MAKE THE DATA PRODUCED DURING ASSISTANCE PUBLICLY AVAILABLE? PLEASE SPECIFY WHICH DATA IS WILL BECOME AVAILABLE ASAP VERSUS IN 5 YEARS IF APPLICABLE.
 - As soon as possible
 - Within 5 years
4. DO YOU PLAN TO SUBMIT ANY OF THE ASSISTED WORK FOR PUBLICATION IN A SCHOLARLY JOURNAL?
 - Yes
 - No
5. DO YOU PLAN TO USE DATA COLLECTED/GENERATED DURING ASSISTANCE AS PART OF A PATENT APPLICATION?
 - Yes
 - No

CONSENT TO TEAMER REQUIREMENTS

CHECK TO CONFIRM THAT YOU (a) HAVE READ, UNDERSTAND, AND AGREE TO ABIDE BY THE TEAMER RULES AND THE TEAMER TERMS AND CONDITIONS (AS POSTED ON THE TEAMER WEBSITE), AND (b) WILL COMPLETE AND SUBMIT A POST ASSISTANCE REPORT DETAILING THE OUTCOME OF THE PROJECT, AS REQUIRED BY THE TEAMER RULES AND TERMS, AND CONDITIONS

CONFIRM

END OF APPLICATION