



# State of Louisiana

JOHN BEL EDWARDS  
GOVERNOR

**Notice of Intent to issue a  
Request for Information (RFI)  
Artificial Reef Product Information  
2503-19-02**

**Date:** July 23, 2018

**Agency:** Louisiana Coastal Protection and Restoration Authority

**Action:** Notice of Intent

**Summary:** The Louisiana Coastal Protection and Restoration Authority (CPRA) is conducting engineering and design activities for the PO-0174 Biloxi Marsh Living Shoreline Project (Project). The Project, located in St. Bernard Parish, is anticipated to protect 9 to 11 miles of shoreline north of Eloi Bay. The primary goal of the Project is to reduce shoreline recession rates and enhance local oyster production through the implementation of marsh-fringing and artificial reefs to promote the formation of self-sustaining living breakwaters.

This Notice of Intent is to provide early notification to product manufacturers of the upcoming Request for Information (RFI). Through a subsequent Request for Information (RFI), CPRA intends to solicit information from artificial reef products manufacturers to develop a list of approved products to potentially be used in the construction of the Project. The goal of the subsequent RFI will be to obtain information on available artificial reef products for consideration. CPRA will then use the information received through the RFI, along with engineering analyses conducted by the design team, to evaluate the artificial reef products to determine their applicability for use at the Project site.

The RFI will be specific to the Project. Only submittals that meet the minimum information requirements as specified within the RFI will be considered.

**Supplementary Information:**

1. Project site information will be delineated in the RFI and is anticipated to include, but is not limited to: nearshore bathymetry, nearshore slope, geotechnical information, wave environment, environmental obstructions, and similar information.
2. The Project is not a demonstration project. New, unproven products are not anticipated to be evaluated.
3. The RFI will seek, at a minimum, the following information per product:
  - a. Proof of patent or non-infringement;
  - b. Product geometry for individual units and recommended assembly for the Project site conditions;
  - c. Three-dimensional rendering of the product(s) and assembled configuration, in digital 3D CAD or similar format;

- d. Materials list including any test results;
  - e. Manufacturing and installation procedures including pictures, manufacturing and installation rates, and equipment;
  - f. Details on past performance: list of installed locations, with project information for at least the three most recent locations including: site location, length and width of project, client contact information, installation costs, installation method, installing contractor contact information, problems and/or lessons learned during construction, and other information that demonstrates the benefits of the product;
  - g. Evidence of wave transmission reduction for the anticipated site conditions. In order of preference, this information may include the following:
    - i. Field-measured wave transmission data,
    - ii. Laboratory-measured wave transmission data,
    - iii. Numerical modeling wave transmission data,
    - iv. Analytical or empirical methods based on engineering data, or any other data that provides evidence, preferably in a quantitative manner, that the product reduces wave energy under the anticipated site conditions; and
  - h. Evidence of ability of oysters to grow on the product.
4. All information received through the RFI will be evaluated by the design team to determine product applicability for the Project. Products deemed potentially appropriate for the Project site will be further evaluated during design, which may include further optimization of the unit and/or configuration for changing site conditions along the shoreline. A list of approved equivalent products will be developed, and then provided to contractors to use in their bid proposals.
  5. Multiple products are anticipated to be included as approved equivalents for potential selection by the contractor to install at the Project site. It is further anticipated that multiple products, or configurations of products, will be installed at different reaches along the Project site to maximize Project performance and adapt to the variation in site conditions.
  6. Failure to submit required product information will preclude product consideration for the Project.
  7. Required product information is subject to change. All pertinent information will be included in the subsequent RFI.

**Schedule:** CPRA plans to submit the RFI for artificial reef products in late 2018 to early 2019. A minimum of 30 calendar days will be the timeframe for response to the RFI.

**For Further Information Contact:** Questions about the proposed RFI should be directed to Micaela Coner, by email at [cpra.bidding@la.gov](mailto:cpra.bidding@la.gov). Emails must be addressed with the subject line “PO-0174 Alternative Product Request for Information” in order for CPRA to provide a response.