



## **CITY OF FORT BRAGG**

### **REQUEST FOR PROPOSALS FOR ENGINEERING SERVICES – ANALYSIS RELATED TO ENGINEERING CONCEPT AND COST SPECIFICATIONS FOR ESTABLISHING OCEAN WATER INTAKE/DISCHARGE INFRASTRUCTURE TO FACILITATE ECONOMIC DEVELOPMENT ACTIVITIES ON FORMER GEORGIA PACIFIC MILL SITE**

The City of Fort Bragg is seeking proposals from qualified engineers interested in contracting with the City of Fort Bragg to prepare a technical analysis for development of infrastructure to intake and discharge ocean water from the former Georgia Pacific Mill Site. The City is interested in establishing a municipally owned Ocean Water System providing ocean water intake/discharge for up to 600 gallons of seawater per minute to support a marine-based economic development strategy.

Specifically, the City is interested in analysis to support the following potential development:

1. Ocean Water Intake/Outflow Infrastructure
  - a) Engineering concept and cost specifications to establish ocean water intake and intake pump for up to 900,000 gallons per day on the southern portion of former Mill Site (south of Redwood Avenue).
  - b) Engineering concepts and cost specifications for routing outflow in the vicinity of the existing wastewater treatment facility and a consideration for linking to existing 600' ocean outflow, including potential pretreatment of water.

### **SCOPE OF WORK**

Work will be managed by, and under contract with, the City of Fort Bragg. This contract consists of the following tasks

1. Project Management
  - a. Assign a single point of contact to provide quality control of work product and to ensure work is completed within budget and on an agreed upon time schedule.
  - b. Kick-off meeting and site visit with City staff.
  - c. Refine work plan based on kick-off meeting and site visit.
  - d. Provide adequate documentation to City staff to prepare invoices according to grant requirements.
2. Evaluation of Technical Information
  - a. Review pertinent documents and existing studies, site maps, etc.
  - b. Conduct site specific modeling and analysis to determine ideal location of sea water intake for optimal water quality for aquaculture system, marine research laboratories, and 300,000-gallon aquarium exhibit.
3. Draft Report
  - a. Prepare a ranking matrix with estimated costs of various project approaches, including a recommendation of preferred alternative.
  - b. Provide electronic copy to City for review and comments.

4. Final Report and Presentation
  - a. Present overview of report at symposium scheduled on October 8, 2021 - Fort Bragg & A Blue Economy.
  - b. Provide 5 print copies and an electronic copy in Microsoft Word of final report.

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