



## **Request for Proposals:** **Feasibility Study of the Design of a Low/No Emissions Passenger Vessel**

**ORGANIZATIONAL  
INFORMATION:**

Name: **Chesapeake Bay Foundation, Inc.**  
Address: **6 Herndon Ave., Annapolis, MD 21403**  
Contact: **Willy Agee – 443-482-2070**

**ISSUE DATE:**

June 22, 2022

**SUMMARY OF NEED:**

The Chesapeake Bay Foundation (CBF) is seeking a contractor interested in providing a bid to conduct a feasibility study for its next generation of educational vessels. The study is for the design of a low-/no-emissions USCG Inspected Passenger Vessel to operate as an educational platform. All systems must comply with USCG Sub Chapter T regulations.

**THE PROJECT:**

The vessel will be an approximately 45' – 55' USCG Inspected Passenger Vessel that will be certified for 40 - 49 passengers. All systems must comply with USCG Sub Chapter T regulations. The vessel will operate as an educational platform conducting field experiences in the Chesapeake Bay and its tributaries.

**SCOPE OF WORK:**

Conduct a feasibility study with a designated team from the Chesapeake Bay Foundation

- Hold a minimum of 2x planning meeting to determine programmatic and operational needs of the vessel.
- Develop hull and propulsion options based on programmatic and operational needs for the team to evaluate
- Develop USCG approved construction plans for the selected hull and propulsion

**THE SCHEDULE:**

We request that your proposal be delivered electronically to CBF no later than Friday July 13, 2022 by 5pm EDT.

It is the intent of CBF to make a selection no later than Wednesday, July 27, 2022. CBF will notify all bidders once a decision for award of bid is made.

**MINIMUM REQUIREMENTS:**

At a minimum, you must be able to provide the following:

- 10 years' experience in marine design consulting
- Must provide proof of follow insurance: General liability, workers compensation, business/auto
- Feasibility study timeline will be agreed upon by both parties

**MINORITY PARTICIPATION:**

CBF actively encourages proposals from Small, Women and Minority Owned (SWaM) Businesses. Please note if you are a Small, Women or Minority Owned Business and if you are certified by the State/Commonwealth/DC.

**FOR FURTHER INFORMATION OR  
QUESTIONS:**

WillyAgee  
Vice President for Administration  
Chesapeake Bay Foundation  
[wagee@cbf.org](mailto:wagee@cbf.org)  
443-482-2070

**EXHIBIT A**

**PROPOSED SPECIFICATIONS LIST  
FOR  
LOW/NO EMISSIONS VESSEL**

**THIS IS A SET OF GUIDELINES FOR CONSIDERATION IN DESIGN OF THE VESSEL. THIS IS NOT A COMPLETE LIST. IT IS A REPRESENTATION OF SOME OF THE REQUIREMENTS THAT WILL BE USED FOR THE BIDDING OF THE CONSTRUCTION PROJECT. FINAL DESIGN CRITERIA WILL BE DETERMINED THROUGH THE FEASIBILITY PROCESS.**

- **45' – 55' IN LENGTH (Fiberglass or another suitable material. NO WOOD)**
- **USCG INSPECTED FOR 40 - 49 PASSENGERS**
- **SHALLOW DRAFT WITH THE ABILITY TO MAINTAIN GOOD SEAKEEPING ABILITY IN ROUGH/WINDY CONDITIONS.**
- **BEAM OF NOT LESS THEN 15'**
- **PROPULSION SYSTEM THAT IS STATE OF THE ART AND LOW/NO EMISSIONS.**
- **MINIMUM 13 KNOT CRUISING SPEED. VESSEL SHOULD BE ABLE TO MAKE 16 TO 20 AT TOP SPEED.**
- **DASHBOARD WITH ENGINE GAUGES AS WELL AS FUEL GAUGE**
- **SHAFT(S), RUDDER(S), STRUT(S), 2 1/2 " PROP SHAFT AND 2" RUDDER SHAFT MINIMUM, FULL SKEG WITH FULL PROTECTION OF RUNNING GEAR. BOAT WILL OPERATE IN SHALLOW WATER WITH CONTROLLED INTENTIONAL GROUNDINGS.**
- **EMERGENCY TILLER AND HOOK UP**
- **FUEL OR BATTERY CAPACITY APPROPRIATE AND SIZED FOR THE PROPULSION SYSTEM AND OPERATIONAL GOALS**
- **HYDROLIC FOREWARD STEERING, STAINLESS STEEL STEERING WHEEL, SINGLE OR TWO TURN CERTIFIED**
- **AFT HYDROLIC STEERING STATION, STAINLES STEEL WHEEL, SINGLE TURN CERTIFIED**
- **FIRE SUPRESSION SYSTEM, FIREBOY**
- **WASHDOWN PUMP WITH APPROPRIATE DECK FITTINGS**
- **APPROPRIATE NUMBER AND SIZED BILGE PUMPS PLUS HIGH WTER ALARMS**
- **(2) ENGINE HATCH, LARGE, SOUND PROOFED AND GASKETED. HYDROLIC PISTON ASSISSTED LIFT.**
- **LIGHT PACKAGE, CERTIFIED**
  - **NAVIGATION LIGHTS, ANCHOR LIGHT, STEAMING LIGHT, ALL USCG APPROVED**
  - **DECK, SPOT LIGHT, CABIN LIGHTS, LARGE STORAGE AREAS, BELOW DECK LIGHTING**

- ALL LED LIGHTING
- ELECTRIC HEAD WITH 75 – 100 GAL HOLDING TANK
- (2) 24” x 24” OPEN CABIN HATCH ABOVE FORWARD HELM AND ON PORT SIDE
- 24” x 24” BOMAR INSPECTION HATCHES FOR EACH COMPARTMENT
- BELOW DECK VENTILATION
- (2) 2” INTAKE HOSES WITH SEA STRAINERS
- HARD EXTENDED CANOPY WITH DRIP EDGE AND INTERIOR AND EXTERIOR GRAB RAILS
- FULL CANVAS WITH CLEAR WINDOWS ON SIDES AND ACROSS AFT EDGE OF CANOPY
- SEATS – 12’(LIFE JACKETS CAN BE STORED UNDER SEATING)
  - CONFIGURATION TO BE DETERMINED
- ALUMINUM/STAINLESS STEEL RAILING WITH GATES
- ANCHOR WINDLESS, ANCHOR CHAIN AND ROPE, ANCHOR
- USCG CERTIFIED PASSENGER VESSEL SAFETY EQUIPMENT: FIRE EXTINGUISHERS, LIFE RINGS & LIGHTS, LIFE JACKETS
  - TACKLE TO STORE LIFEJACKETS OVERHEAD ON CANOPY
- USCG CERTIFIED LIFE RAFT TO MEET THE CURRENT REGULATIONS
- OWNER SPECIFIED ELECTRONICS
  - 2x VHF RADIO, RADAR, CHARTPLOTTER, FM STEREO, DEPTH SOUNDER
- ALL WIRING DONE TO AYBC/USCG STANDARDS WITH TINNED WIRE.
- BLUE MARINE MASTER AC AND DC PANEL (BLUE SEA SYSTEMS)
- 120V SHORE POWER SYSTEM
- INVERTOR – 1500w MINIMUM
- 12 VOLT OUTLETS AT SPECIFIED LOCATIONS
- USB OUTLETS AT SPECIFIED LOCATIONS
- INTERIOR CABINET STYLE AND CONFIGURATION TO BE DETERMINED DURING BUILD
- DEFROSTER/HEATER
- SWIM PLATFORM WITH TUNA DOOR(S)
- BOW THRUSTER – 150kg THRUST FORCE MINIMUM
- OPERABLE SIDE WINDOWS – AMERICAN MARINE
- RADAR MOUNT ON CANOPY
- LADDER THAT INTEGRATES WITH SWIM PLATFORM – BUILT TO BE STORED ON CANOPY
- GROUND TACKLE APPROPRIATE FOR THE VESSEL AND CONFORMING TO THE USCG SPECIFICATIONS UNDER THE SUB-CHAPTER T REGULATIONS.
  - ANCHORS
  - CHAIN
  - RODE
- CAPTAINS CHAIR AND MATE CHAIR TO BE DETERMINED BY OWNER.

