



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 and construction 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 1, 2022 by 5pm EDT.

It is the intent of CBF to make a selection no later than Friday July 15, 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
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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.

