

## REFURBISHMENT REQUIREMENTS & SPECIFICATIONS

*Instructions: Each specification must be completed to note as compliant or not compliant. Initial the bottoms of each page of the Specifications provided and remit as part of your Bid, acknowledging a demonstrated understanding of the Vehicle Specifications and an ability to accommodate each component or specification. Any and all exceptions to the stated mandatory minimum requirements **MUST** be indicated on the Statement of Compliance (Attachment A) and identified by the Item Number listed in the specifications. Failure to note compliance or to list exceptions shall result in your Bid being deemed as non-responsive.*

*Deviations from these specifications which exceed specified dimensions, capacity, quality or performance may be considered unless specific or maximum requirements are set, provided the manufacturer submits full description and explanation of and justification for proposed deviations based on acceptable engineering practices.*

**NOTE: IT SHALL BE ASSUMED THAT THE GRADE OF ALL MATERIALS TO BE PROVIDED SHOULD BE MILITARY/MARINE GRADE WHERE APPLICABLE.**

	SPECIFICATIONS	YES	NO
	ONE (1) COMPLETE REFURBISHMENT OF EXISTING 1985 NOREK T58 (CRYSTALINER) 29.5' FIBERGLASS RESCUE VESSEL, ALSO KNOWN AS (AKA) SEA WATCH III		
	<b>SECTION 1</b>		
1.	<b>Hardware</b>		
1.1	Replace All Through Hulls And Bonding System	✓	
1.2	All Hardware To Be 316 Grade Stainless Steel	✓	
1.3	Replace Bimini And S/S Piping	✓	
1.3.1	Navy Blue Sunbrella Canvas	✓	
1.3.2	Stainless Steel Structure. Weld To Current Radar Arch	✓	
1.4	Arch Refit With Proper Lighting And Update Antenna Equipment	✓	
1.4.1	2 Led Deck Lights	✓	
1.4.2	2 Led Side Lights And Welded Brackets	✓	
1.4.3	4 New Antenna (Shakespeare Models Required By Each Device)	✓	
1.4.4	Whelen LED Blue Strobe	✓	
1.5	New Cushions V Berth And Two Crew Seats And Upholstery	✓	
1.5.1	Sunbrella Grey And New Foam V Berth Cushions (2)	✓	
1.6	Ring Buoy Racks	✓	
1.6.1	S/S West Marine Clips	✓	
1.7	Rub Rail	✓	
1.7.1	Black Uv Resistant And S/S	✓	
1.8	Removable seating-chairs -replace with similar style to SW1&2	✓	

1.8.1	Operator and deckhand, stainless steel frame and fiberglass base and back with new sunbrella grey cushions. (Ref. to other NBFD vessels)	✓	
1.9	Fresh water plastic tanks	✓	
1.9.1	Fresh water pump w/ ¾" hoses	✓	
1.9.2	water heater included in the system	✓	
1.10	Anchor fittings and cleats	✓	
1.10.1	Stainless Steel	✓	
1.11	Sea Strainers	✓	
1.11.1	X2 Racor	✓	
1.12	Replace all fuel hoses, water and stainless steel hose clamps	✓	
1.12.1	USCG approved per engine and equipment specifications	✓	
1.13	Batteries x4	✓	
1.13.1	Optima Yellow Top (Group 31)	✓	
1.14	Magnetic Compass-Ritchie	✓	
1.14.1	6" with LED	✓	
1.15	Replace all Decals	✓	
1.15.1	LIFEGUARD, RESCUE, SEAWATCH III, CF, NBFD (Color: Navy)	✓	
<b>SECTION 2</b>			
2.	<b><i>Mechanical</i></b>		
2.1	Engine Driven Pump with stainless steel mounting bracket	✓	
2.1.1	Y-Valve Selector, Bilge And Inlet Attachment	✓	
2.2	Replace Rudders And Prop Shaft Seals And Associated Parts	✓	
2.2.1	Bronze Or Comparable To Current Material (after scan/inspection of existing)	✓	
2.3	Rudder Posts And Shaftways	✓	
2.3.1	Rebuild Structure/Glass And Secure With Stainless	✓	
2.4	Replace Fuel Tank	✓	
2.4.1	Aluminum, High-Quality, 120 Gallon (matched like for like capacity)	✓	
2.4.1.1	Fuel Gauge	✓	
2.4.1.2	Sending Unit	✓	
2.5	Steering System	✓	
2.5.1	Wheel – 20" spoked or approved equal	✓	
2.5.2	Hydraulic Hoses, Seastar Pump And Ramps	✓	
2.6	Replace Exhaust System ( <i>beyond manifolds or not otherwise included with engine package</i> )	✓	
2.6.1	USCG Approved 4" or factory recommendation	✓	
2.6.2	2 new baffles	✓	
2.6.3	Elbows and Y's	✓	
2.7	Fuel/Water Separators	✓	
2.7.1	Brand: Sierra, with shut off valves, bronze	✓	
2.8	Fire Boy Fire System	✓	
2.8.1	Dual Tank System with Pull Switch and Indicator Light	✓	



2.9	NEW ENGINES (2)		
2.9.1	ILMOR 6.2L GDI (430 HP) GOV. INBOARD ENGINE PACKAGE (OR CITY APPROVED EQUAL) x 2 – <b>which should consist of:</b>	✓	
2.9.1.1	<p>Fresh water closed cooling</p> <ul style="list-style-type: none"> <li>- mechanical throttle and shift provision</li> <li>- zf-68a transmission, 1.5:1 ratio</li> <li>- california 5-star emissions compliant</li> <li>- factory warranty</li> <li>- shipping skid</li> </ul> <p>Notes:</p> <p>Ilmor custom government engine package includes:</p> <ul style="list-style-type: none"> <li>- closed cooled exhaust manifolds.</li> <li>- crank mounted mk ii stainless steel raw water pump w/ easy Remove impeller</li> <li>- easy access service points</li> <li>- 4" exhaust outlets</li> <li>- top mount rear engine marine grade starter for east access</li> <li>- self-recirculating on engine fuel pump module for long Service life</li> <li>- mechanical throttle adapter and harness</li> <li>- j1939 instrumentation data and engine harness</li> <li>- twin engine sync. Harness</li> <li>- 170a high output marine grade alternator</li> <li>- super ultra low emissions (which meets EPA/CARB regulations)</li> </ul>	✓	
2.10	New Gauges (if not included with engine package)	✓	
2.10.1	Velatron marine VMH 70 marine display	✓	
2.11	Morse Twin Controls	✓	
2.11.1	Cables and Connectors/Adapters	✓	
2.12	Marine digital media receiver with AM/FM radio and Bluetooth	✓	
2.13	VHF Radio – ICOM IC-M510	✓	
<b>SECTION 3</b>			
3	<b>Electrical</b>		
3.1	Rewire the entire vessel – AC and DC Systems: Must use Marine Grade Copper Tinned Wire. Additionally, use heat shrink/soldered connections, 16ga min, all new.	✓	
3.1.1	Circuit Breakers, Breaker Panel	✓	
3.1.1.1	Blue Seas Panel	✓	
3.1.1.2	Battery Voltmeter	✓	
3.1.2	Move Electronics into the companionway to accommodate new storage areas	✓	
3.2	Replace all Switches, Exterior Switch Panel	✓	
3.2.1	Blue Sea, Rocker Switches with Fuses	✓	
3.3	Shore Power inlet	✓	
3.4	2 Waterproof 12v DC Receptacles (USB A&C 4.0)	✓	

3.5	Inverter/Battery Charger, 3000 watt	✓	
3.6	Outlet – 110v	✓	
3.7	New Simrad – GPS, Depth, Radar	✓	
3.7.1	Dual Screen Option	✓	
3.8	Bonding wiring/DC Current Protection	✓	
3.8.1	8 Gauge with zinc plates	✓	
3.8.1.1	Shaft, engine and rudder groundings	✓	
3.9	Ignition Systems – switch to new with engines	✓	
3.10	Bilge Pumps, Float switches x3	✓	
3.10.1	Rule 1500s Integrated	✓	
3.11	1 Anchor Light, 2 Nav Lights – mounted to Arch - LED	✓	
3.12	Replace Deck Lights and Underwater Lights – LED	✓	
<b>SECTION 4</b>			
4.	<b>Construction</b>		
4.1	Construct New Fiberglass Structure at Helm, Center Companionway, and Port Side Cabinet Fabrication	✓	
4.1.1	Add Companionway Steps	✓	
4.1.2	Hatch to Ingress/Egress	✓	
4.2	Replace Underwater Swim Step/Platform	✓	
4.3	Rebuild the Middle 3 Deck Hatches to Current Newer Specifications	✓	
4.4	Air Vents, Port and Starboard, Below Combing, Replace/Rebuild Boxes	✓	
4.5	Move the Samson Post/Tow Bit Forward	✓	
4.6	Re-glass and Refurbish Rear Decks	✓	
4.6.1	Raise to Allow modern Rudder Posts, Tie Bars, Bearings, if Needed	✓	
4.6.2	New Wood/Fiberglass and Steel Structure to Accommodate	✓	
4.6.3	Build 3 New Hatches, Side Storage Areas, Two on Each Side	✓	
4.7	V Berth	✓	
4.7.1	Remove Cabinets and Reconfigure New; Set Up Vertical Space Port Side and Starboard	✓	
4.7.1.1	Hanging Locker	✓	
4.7.1.2	Three or Four Shelving Systems for Safety Equipment	✓	
4.8	Replace New Foredeck Hatch	✓	
4.8.1	Glass and Privacy Window	✓	
4.9	Paint ( <i>City to provide applicable Awlgrip paint codes prior to work</i> )	✓	
4.9.1	Repaint V Berth Interior – Blue	✓	
4.9.2	Repaint all Non-Skid Surfaces – Grey	✓	
4.9.3	Cockpit Interior and Helm – Blue	✓	
4.9.4	Repaint the Entire Hull of Boat and Combing	✓	
4.9.4.1	“Fighting Lady Yellow”	✓	
4.10	Bottom/Under Vessel	✓	
4.10.1	Strip Bottom Paint	✓	



4.10.2	Prime	✓	
4.10.3	Repaint Red	✓	
<b>BONDS, REGISTRATION &amp; DELIVERY</b>			
	<p>Dealer shall complete all DMV registration and title documents as required by the State of California Department of Motor Vehicles (CA DMV) . CF Number shall be registered to the following address:</p> <p><b>City of Newport Beach</b>  <b>100 Civic Center Drive</b>  <b>Newport Beach, CA</b>  <b>92660</b></p> <p><i>*Please note that the registration address is different from the delivery address*</i></p>	✓	
	<p>*****</p> <p>City of Newport Beach - Equipment Maintenance  Division Public Works Department  592 Superior Ave, Building D  Newport Beach, CA 92663</p>	✓	
	<b>PICKUP AND DELIVERY TO AND FROM 1901 Bayside Drive</b> (where LG vessels are normally stationed)	✓	
	<b>PERFORMANCE BOND</b>		
	Performance Bond for 100% of the awarded amount	✓	
	<b>WARRANTY &amp; MANUALS</b>		
	Provide 1 year warranty for fabrication/work	✓	
	36-month/1000hr Manufacturer's Powertrain Warranty and Maintenance (this shall apply to the main refurbishment project as well as any awarded optional/additive bid items)	✓	see OTHER COSTS
	1 Service/Technical Manual at time of delivery	✓	

OPTIONAL/ADDITIVE BID ITEMS (ONLY AWARDED IF APPROVED BY CITY)		
1.	PURCHASE AND INSTALLATION OF TWO (2) ILMOR 6.2L GDI (430 HP) GOV. INBOARD ENGINE PACKAGES (OR CITY APPROVED EQUAL) FOR SEA WATCH I	yes
2.	PURCHASE AND INSTALLATION OF TWO (2) ILMOR 6.2L GDI (430 HP) GOV. INBOARD ENGINE PACKAGES (OR CITY APPROVED EQUAL) FOR SEA WATCH II	yes
3.	PURCHASE ONLY OF (2) ILMOR 6.2L GDI (430 HP) GOV. INBOARD ENGINE PACKAGES (OR CITY APPROVED EQUAL)	yes
4.	PURCHASE ONLY OF (4) ILMOR 6.2L GDI (430 HP) GOV. INBOARD ENGINE PACKAGES (OR CITY APPROVED EQUAL)	yes

QUESTIONS	
1. Are you bidding on the exact specification indicated in this RFB or an equivalent?	yes
2. If you are bidding with any equivalent items, please indicate them on the appropriate form.	NO
3. What is your estimated delivery time? Can you complete refurbishment and deliver the vehicle within the 180 day build schedule (and no later than May 1, 2026)?	5/1/2026 yes

**PROPOSED PRICING – REFURBISHMENT OF ON (1) 1985 NOREK T58 “CRYSTALINER”  
LIFEGUARD RESCUE VESSEL**


BID ITEM	COST
SECTION 1 LABOR	\$ 285,000.00
SECTION 2 MATERIALS	\$ 168,000.00
SECTION 3 TAX ON MATERIALS	\$ 13,020.00
PICKUP AND DELIVERY	\$ 0
<b>TOTAL BASE BID AMOUNT (AWARD OF BID SHALL BE BASED ON LOWEST TOTAL BASE BID)</b>	\$ 466,020.00
<b><u>ADDITIVE/OPTIONAL BID ITEM NO. 1 (PURCHASE AND INSTALLATION OF TWO (2) ILMOR 6.2L GDI (430 HP) GOV. INBOARD ENGINE PACKAGES (OR CITY APPROVED EQUAL) FOR SEA WATCH I, WITH POWERTRAIN WARRANTY)</u></b>	\$ 90,000.00
<b><u>ADDITIVE/OPTIONAL BID ITEM NO. 2 (PURCHASE AND INSTALLATION OF TWO (2) ILMOR 6.2L GDI (430 HP) GOV. INBOARD ENGINE PACKAGES (OR CITY APPROVED EQUAL) FOR SEA WATCH II, WITH POWERTRAIN WARRANTY)</u></b>	\$ 90,000.00
<b><u>ADDITIVE/OPTIONAL BID ITEM NO. 3 (PURCHASE ONLY OF TWO (2) ILMOR 6.2L GDI (430 HP) GOV. INBOARD ENGINE PACKAGES (OR CITY APPROVED EQUAL) WITH POWERTRAIN WARRANTY</u></b>	\$ 78,000.00
<b><u>ADDITIVE/OPTIONAL BID ITEM NO. 4 (PURCHASE ONLY OF FOUR (4) ILMOR 6.2L GDI (430 HP) GOV. INBOARD ENGINE PACKAGES (OR CITY APPROVED EQUAL) WITH POWERTRAIN WARRANTY</u></b>	\$ 156,000.00



**Other Costs:** In the space below, please indicate any other costs that may be associated with providing the requested services in this RFP that are not included in the table above. The costs provided in this section will not be used to assist in the determination of the contract award. Should additional space be required, use a separate page(s) and attach as part of the Cost File.

Ongoing Maint. service for Routine  
or periodic Maint. for 36mos/1000hrs  
\$150/hr Labor  
15% over invoice - materials

The undersigned certifies that submission of this Proposal is made without prior understanding, arrangement, agreement, or connection with any corporation, firm or person submitting a Proposal for the same services, and is in all respects fair and without collusion or fraud. The undersigned certifies that they have not entered into any arrangement or agreement with any City of Newport Beach public officer. The undersigned understands collusive practices are a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards.

  
Proposer Signature

8/26/25  
Date

JOHN LAURITZEN V.P.  
Printed Name and Title