

**REQUEST FOR PROPOSAL**  
**South Portland Fire Department**  
**High Capacity Foam / Water Monitor**

The City of South Portland, Maine is requesting proposals for a High Capacity Foam / water monitor for firefighting use within our Port to replace a National Foam Terminator 2000 GPM device.

Complete written proposals shall be submitted in sealed envelopes plainly marked "RFP#24-14 High Capacity Foam / Water Monitor." to the City Purchasing Agent, Room 105, City Hill 25 Cottage Road, South Portland, Maine 04106, no later than 2:00pm on Thursday, March 6, 2014 at which time they will be publicly opened and read aloud. Bids received after that time and date shall not be accepted. Proposals will be evaluated in accordance with the specifications detailed in the attached. Vendors are requested to submit an original signed proposal and two (2) additional copies that shall also include scaled drawings and photos of proposed monitor.

Each proposal shall be signed by a person legally authorized to bind the vendor to a contract and product delivery.

The vendor shall signify in his proposal that he has read and understands all conditions outlined in this Request for Proposal and the attached.

The consultant shall rely only on information contained in the Request for Proposal and written addenda hereto.

Selected sections of consultant response may be incorporated as part of any agreement the City executed with the selected consultant.

Questions regarding this Request for Proposal must be directed to Chief Kevin Guimond, South Portland Fire Department at the address shown below. Questions that may influence other vendors will be answered in writing with copies to all known bidders to ensure fairness with this RFP.

The City of South Portland reserves the right to negotiate with the selected vendor as to the scope of the product and fees, whether or not that proposal is the lowest cost to the City. Time of delivery will also be used as a factor as well as past performance.

The City also reserves the right to waive or disregard any informality irregularity, or deficiency in any proposal received and to reject any or all proposals received for whatever reason it deems appropriate.

Kevin Guimond  
Fire Chief  
684 Broadway  
South Portland, Maine 04106  
207-799-3314 X-7330

Colleen C. Selberg  
Purchasing Agent

# South Portland Fire Department High Capacity Foam / Water Monitor

**The South Portland Fire Department is seeking proposals for a replacement High Capacity Foam / Water portable monitor to replace a National Foam Terminator 2000 GPM device.**

**Gross Weight Rating:** Not to exceed 1600 lbs

***Operating Parameters***

Minimum Inlet Pressure ..... 75 PSI  
Nominal Inlet Pressure ..... 100 PSI  
Maximum Inlet Pressure ..... 125 PSI  
Required Nozzle Flow Rates ..... 2000 GPM  
Monitor Elevation ..... +20° to +75° above 0° horizontal  
Monitor Rotation ..... 30° each side of center position  
Water Inlet Connections ..... Two 4" (127 mm) Storz  
Foam Inlet Connections ... 2½" Female Swivel NH (NST) with Cam Lock adapters

**Foam Proportioning:**

The portable monitor shall utilize a water powered Jet Pump proportioning system eliminating the need for outside power sources. The Jet Pump needs to operate with all types of foam concentrates to provide for ultimate flexibility. South Portland currently uses (A-FFF and AR-AFFF) type foam. Various pickup tubes and configurations need to be available to allow for Satellite Trailer operations as well as tanks on fire trucks and barrels. Cam Lock fittings currently used on trailers need to be matched.

**Frame:** Not to exceed 15“(total length), must be equipped with a minimum 8”inch, formed channel steel frame for mounting. Frame assembly shall be completely electrically welded for strength and rigidity.

**Axles:** tubular straight axles, with a capacity of 2000 lbs

**Hitch:** Heavy-duty 2-in lunette hitch including two safety chains is mounted on the drawbar.

**Deck:** A 0.25” steel diamond plate deck shall be provided as required. .

**Highway Lighting/Reflectors:** Trailer is equipped with rear lights, marker lights and reflectors in accordance with U.S. Federal Motor Vehicle Safety Standards.

**Electrical Connector:** A 7-pin polarized connector is located at the hitch for connecting the trailer lights shall be required.

**Jack Stand:** Screw-type swing down wheel jack shall be installed.

**Foam/ Water Monitor:** A Gladiator

Foam/Water Nozzle shall be provided. The Gladiator represents the latest advancement in foam firefighting nozzle technology. The Gladiator's totally new design makes it the first self-educing nozzle with the ability to deliver optimum performance with water or foam. Gladiator's innovative internal design and stream straightening vanes eliminate swirling to optimize stream range with minimal foam loss due to fallout. Gladiator has unique adjustable foam aspiration capability which allows the operator to switch between the initial penetrating punch of a non-aspirating nozzle, to the superior foam blanket performance of an aspirating nozzle. Switch over from non-aspirating to aspirating can be done by simply adjusting the control handle while the nozzle is flowing.

**Nozzle Control:** Nozzle control needs to be provided both rotationally as well as elevation manually

**Pressure Gauge Tap:** Shall be provided at the bottom of the riser to allow for the attachment of gauge (included).

**Pressure Gauge:** Ashcroft Model 1010, 8" 300 psi pressure gauge or equal with 10'-1/4" of wire braided hose tether.

**Flow Meter:** A flow meter shall also be provided to allow for easy calculations of flow rates and foam requirements with a range of 0 gallons per minute to 3000 gallons per minute minimum.

Monitor Connection	4-in. Flange
Flow Range	1000 GPM to 2000 GPM
Valve	Butterfly Type
Valve Actuator	Manual

**FINISH**

**Primer:** Ferrous metal parts prepared and primed before assembly.

**Finish:** Frame/Axle/Wheels..... Red polyurethane enamel  
 Safety Tread Plate ..... Steel Platform, red polyurethane enamel  
 Aluminum, mill finish.

**Threads:** U.S. National Standard Hose Thread. All camlock fittings to be GlassPolly

**BID DOCUMENT REQUIREMENTS:** Scaled drawings shall be provided with bid. A delivery time and price shall also be included. Examples of other similar units constructed and sold shall also be included in proposal.

# PROPOSAL

The UNDERSIGNED hereby proposes to furnish a High Capacity Foam / Water Monitor to the City of South Portland Fire Department, in accordance with the attached Request for Proposal and at the following price, warranty and delivery time:

Item	Description	Price
1.	High Capacity Foam / Water Monitor	\$ _____
	Make/Model _____	
	_____	
	Warranty _____	
	Delivery Time _____	

Signed: \_\_\_\_\_  
(Corporation, Firm or Company)

By: \_\_\_\_\_  
(Officer, Authorized Individual or Owner)

Title: \_\_\_\_\_  
Mailing  
Address: \_\_\_\_\_

\_\_\_\_\_

Zip Code: \_\_\_\_\_ Date \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax \_\_\_\_\_

Email: \_\_\_\_\_

Note: Bids must bear the handwritten signature of a duly authorized member or employee of the organization making the bid.