

**TOWN OF GLASTONBURY
REQUEST FOR PROPOSAL
RPGL-2018-19
TRIPLE COMBINATION PUMPER**

The Town of Glastonbury will be accepting proposals from qualified individuals or firms to provide a Triple Combination Pumper. Proposals shall provide technical data for the apparatus to be provided, pricing proposals, and other data necessary in order to determine the best qualified firm. Interested individuals and firms should obtain the complete RFP and related information from Mary F. Visone, Purchasing Agent, 2155 Main Street, Glastonbury, CT 06033 or via the Town's website at www.glastonbury-ct.gov.

Sealed Proposals will be received only at the Office of the Purchasing Agent, Town Hall Second Floor - 2155 Main Street Glastonbury, CT 06033, Attn: Mary F. Visone, Purchasing Agent, until 11:00 AM on May 2, 2018. **LATE PROPOSALS WILL NOT BE CONSIDERED.**

The Town reserves the right to waive informalities or reject any part of, or the entire proposal, when said action is deemed to be in the best interests of the Town. All sealed proposals must be submitted to the Office of the Purchasing Agent no later than the time and date indicated.

An Affirmative Action/Equal Opportunity Employer. Minority/Women /Disadvantaged Business Enterprises are encouraged to submit a proposal.

Mary F. Visone
Purchasing Agent

**REQUEST FOR PROPOSAL
 RPGL-2018-19
 TRIPLE COMBINATION PUMPER
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I. GENERAL REQUIREMENTS

1. SCOPE OF WORK

- A. In general, the scope of work covered by this “Request for Proposal” (RFP) is outlined in Section II, “Technical Requirements”.

2. BASIS OF AWARD

- A. The award of a contract will be made to the respondent whose proposal is determined to be the most advantageous to the Town of Glastonbury based on the specific criteria outlined herein. Proposals will be evaluated for the best value for the Town of Glastonbury. Cost shall not be the only factor in determining the best value.

The Town shall not be obligated to accept any proposal and the Town shall reserve the sole right to determine the appropriateness of any proposal for this procurement.

3. PROPOSAL INSTRUCTIONS

- By submitting a proposal, Respondent represents that they have thoroughly examined and become familiar with the Scope of Services outlined in this RFP and are capable of performing the work to achieve the Town’s objectives.
- All firms are required to submit one (1) **clearly marked original** and eight (8) copies of their proposal to Mary F. Visone, Purchasing Agent, 2155 Main Street, Glastonbury, CT by the date and time listed in the proposal response page. All proposals will be opened publicly and recorded as received. Respondents may be present at the opening; however, there will be no public reading of Proposals. Proposals received later than the time and date specified will not be considered. The proposal must be submitted in a sealed envelope or package and the outside shall be clearly marked with the firm’s name and address and the following:

**SEALED REQUEST FOR PROPOSAL
TRIPLE COMBINATION PUMPER
RPGL- 2018-19
May 2, 2018
TIME – 11:00 A.M.**

- All respondents are required to submit the information detailed below. **Responses shall be organized and presented in the order listed below to assist the Town in reviewing and rating proposals.** Responses should be presented in appropriate detail to thoroughly respond to the requirements and expected services described herein. All responses to this RFP must conform to the specific instructions in this RFP.

- A. Table of Contents to include clear identification of the material provided by section and number.
- B. A letter of transmittal indicating the firm's interest in providing the apparatus and any other information that would assist the Town in making a selection. This letter must be signed by a person legally authorized to bind the firm to a contract.
- C. Name, email address and telephone number of person(s) to be contacted for further information or clarification.
- D. Respondent shall provide a list of 3-5 references and examples of previous similar apparatus projects successfully completed within the last five years, with the contact name, address and telephone number of the municipality's representative in each project. The Town reserves the right to contact these organizations regarding the project.
- E. To allow the Town of Glastonbury to evaluate the respondent's proposal the respondent shall submit the following:
 - 1. Specifications of proposed Fire Apparatus
 - 2. Schematic drawings depicting proposed Fire Apparatus
 - 3. Written description of the proposed Fire Apparatus
 - 4. Warranties included in proposal
 - 5. Any additional sales, marketing or technical information that would allow the Town of Glastonbury to evaluate the respondent's ability to satisfy the Town's needs.
 - 6. Proposal Response Forms (Attachments I, II & III).
 - 7. Delivery Schedule
 - 8. All requirements, terms or conditions the respondent may have and is expecting to be included in the contract.
 - 9. Description of any exceptions taken to this RFP. If any proposal involves any exception from the stated specifications, they must be clearly noted as exceptions, and attached to the proposal.
- F. To allow the Town of Glastonbury to evaluate the respondent's background and professional expertise and to determine if the respondent's proposed approach will satisfy the Town of Glastonbury's needs, the respondents shall submit the following:
 - 1. Certification that the Fire Apparatus manufacturer has been in business for the last five (5) years, and delivered at least three (3) Triple Combination Pumpers, one (1) of which must have been delivered in Connecticut. Include Department or Agency accepting delivery for each Fire Apparatus.

- G. Any proposal may be withdrawn prior to the scheduled time for the opening of proposals or the authorized postponement thereof. Any proposal received after the date and time specified shall not be considered. No proposal may be withdrawn within 90 days after the actual date of the opening thereof. Should there be reasons why a proposal cannot be awarded within the specified period; the time may be extended by mutual agreement between the Town and the company making the proposal.
- H. Respondent may be provided an opportunity to present and explain the benefits of their proposal to the evaluation committee members.
- I. Any technical questions regarding this RFP shall be made in writing and directed to Michael Thurz, Fire Chief, via email at michael.thurz@glastonbury-ct.gov. For administrative questions concerning this proposal, please contact Mary F. Visone, Purchasing Agent, at (860) 652-7588, or by email at purchasing@glastonbury-ct.gov. All questions, answers, and/or addenda, as applicable, will be posted on the Town's website at www.glastonbury-ct.gov. (Upon entering the website click on Bids & Proposals Icon, click on the Bid Title to view all proposal details and document links). **It is the respondent's responsibility to check the website for addenda prior to submission of any proposal.** Note: Responses to requests for more specific contract information than is contained in the RFP shall be limited to information that is available to all respondents and that is necessary to complete this process. The request must be received at least five (5) business days prior to the advertised response deadline.
- J. No other Glastonbury Town employee, elected official, or evaluation committee member should be contacted concerning this RFP during the proposal process. Failure to comply with this requirement may result in disqualification.
- K. Respondent is required to review the Town of Glastonbury Code of Ethics adopted July 8, 2003 and effective August 1, 2003 and revised October 29, 2013 and effective November 8, 2013. Respondent shall acknowledge that they have reviewed the document in the area provided on ATTACHMENT I. The selected respondent will also be required to complete and sign a Consultant Acknowledgement Form prior to award. The Code of Ethics and the Consultant Acknowledgment Form can be accessed at the Town of Glastonbury website at www.glastonbury-ct.gov. Upon entering the website click on the **Bids & Proposals Icon** which will bring you to the links for the **Code of Ethics** and the **Acknowledgement Form**. If the respondent does not have access to the internet, a copy of these documents can be obtained through the Purchasing Department at the address listed within this proposal.

Failure to include any of the above-referenced items in the submitted proposal may be grounds for disqualifying said proposal.

4. EVALUATION CRITERIA

The Town of Glastonbury shall select the responsible and responsive proposal which is determined by the Town to be the best suited, most advantageous, and provides the best value to the Town on the basis of the criteria included in this Request for Proposal. The Town reserves the right to negotiate with the selected firm prior to an award of any contract pursuant to this RFP. Best value shall be determined by consideration of the following factors.

- A. The quality, availability, adaptability, and efficiency of the product to its intended use;
- B. Demonstrated understanding of the Scope of Work including the degree to which the product meets the specified needs of the Town, including consideration, when appropriate, of the compatibility with and ease of integration with existing products, services, or systems;
- C. Specifications of proposed Fire Apparatus, schematic drawings depicting proposed Fire Apparatus and written description of the proposed Fire Apparatus
- D. The number, scope, and significance of conditions or exceptions attached or contained in the proposal and the terms and conditions, warranties, and requirements the respondent may have and is expecting to be included in the contract.
- E. Certification that the Fire Apparatus manufacturer has been in business for the last five (5) years, and delivered at least three (3) Triple Combination Pumpers, one (1) of which must have been delivered in Connecticut. Include Department or Agency accepting delivery for each Fire Apparatus.
- F. The total competitiveness and reasonableness of the total cost or price, including consideration of the anticipated operational costs that are incurred if accepted;
- G. 3-5 references and demonstrated performance of similar apparatus projects successfully completed within the last five years.
- H. Delivery Schedule and whether the vendor can supply the product promptly, without delay or additional conditions; including Third party testing as per section 1.14 and Service Center as per section 1.15.
- I. Overall quality, thoroughness, and responsiveness to the Town's requirements as summarized herein.

5. SELECTION PROCESS

- This request for proposal does not commit the Town of Glastonbury to award a contract or to pay any costs incurred in the preparation of a proposal to this request. All proposals submitted in response to this request become the property of the Town of Glastonbury. The Town of Glastonbury reserves the right to accept or reject any or all proposals received as a result of this request, to negotiate with the selected respondents, the right to extend the contract for an additional period or to cancel in

part or in its entirety the request for proposals, if it is in the best interests of the Town to do so.

- An Evaluation Committee, appointed by the Town Manager, will evaluate all proposals received for completeness and the respondent's ability to meet all requirements as outlined in this proposal. The Committee will then short list the specific firms whose proposals best meet all criteria required and may conduct interviews with these firms.
- Upon completion of interviews, the Selection Committee will forward to the Town Manager a list of firms recommended for further consideration. The Town Manager and the Fire Chief will evaluate the rationale for such recommendation, the Scope of Services, fee proposals, and other factors of the top-rated firms and authorize a recommendation for award to the Purchasing Agent.
- Additional technical information may be requested from any respondent for clarification purposes, but in no way changes the original proposal submitted.

6. GENERAL PROVISIONS

- A. The Respondent agrees and warrants that in the submission of this sealed proposal, they will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religion, national origin, sex, or physical disability including, but not limited to blindness, unless it is shown by such Respondent that such disability prevents performance of that which must be done to successfully fulfill the terms of this sealed proposal or in any manner which is prohibited by the laws of the United States or the State of Connecticut: and further agrees to provide the Human Relations Commission with such information requested by the Commission concerning the employment practices and procedures of the Respondent. An Affirmative Action Statement will be required by the successful Respondent.
- B. The respondent of the proposal agrees to comply with all of the latest Federal and State Safety Standards and Regulations and certifies that all work required in the proposal will conform to and comply with said standards and/or regulations. The respondent of proposal further agrees to indemnify and hold harmless the Town for all damages assessed against the Town as a result of the respondent of proposal's failure to comply with said standards and/or regulations. Specifically, the Town will review proposals carefully for compliance to the Commercial Vehicle Weight Limits in the State of Connecticut including the weight assigned to each axle.
- C. This Request for Proposal contains the provisions for the requested item. Information obtained by an officer, agent, or employee of the Town or any other person shall not affect the risks or obligations assumed by the respondent of the proposal or relieve him/her from fulfilling any of the conditions contained in the proposal.
- D. All correspondence regarding any purchase made by the Town of Glastonbury shall reference the Town's purchase order number.
- E. Inclusion of Taxes in Prices - The Town is exempt from payment of excise, transportation, and sales taxes imposed by the Federal Government and/or the

State. Such taxes must not be included in prices. If requested, the Owner will furnish the successful Respondent with sales tax exemption authorization.

- F. Signatures - The proposal must be signed by an authorized official of the respondent.
- G. Authority to Obligate the Town of Glastonbury - No cost chargeable to the proposed contract(s) may be incurred before receipt Town of Glastonbury purchase order and specific written authorization from the Town of Glastonbury.
- H. Approval Drawings: Engineering drawings of the fire apparatus must be submitted within 60 days of the award of contract. The Town will make every reasonable effort to correct the drawings before authorizing construction. Where conflicts occur, the RFP and the respondent's written proposal shall prevail over the engineering drawings unless authorized in writing by the Town's representative.
- I. Change Orders: After the purchase order is executed changes to the RFP, respondent's proposal, or approved engineering drawings shall be made with a written change order, which identifies the scope of the change, the cost of the change, and is authorized by the Town.
- J. Delivery - Inasmuch as this work includes a needed public service, the provisions of this RFP relating to the time of delivery, performance and completion of the work are of the essence. Accordingly, the successful respondent shall commence work upon receipt of the signed Notice to Proceed unless the Town shall authorize or direct a further delay. The Town will negotiate with the successful respondent of proposal to an agreed upon date for delivery and acceptance of the apparatus. A penalty of \$50.00 per day may be assessed if delivery has not occurred by the agreed upon delivery date.
- K. Trade in Value of Used Fire Apparatus – The Town is considering trading in a 1992 International Harvester 1000 GPM Pumper. The Town reserves the right to choose to accept the offer, or not accept the offer, if it is in the Town's best interest to do so. Respondents may make an appointment with Glastonbury Fire Chief to view the used fire apparatus and service records. Vehicle information is as follows: VIN# 1HTSEPCN4NH441748, approximate mileage as of the date of this RFP is 39,300.

L. INSURANCE

The Respondent shall, at its own expense and cost, obtain and keep in force during the entire duration of the Project or Work the following insurance coverage covering the Respondent and all of its agents, employees and sub-contractors and other providers of services and shall name the **Town of Glastonbury and its employees and agents as an Additional Insured** on a primary and non-contributory basis to the Respondents Commercial General Liability and Automobile Liability policies. **These requirements shall be clearly stated in the remarks section on the Respondent's Certificate of Insurance.** Insurance shall be written with insurance carriers approved in the State of Connecticut and with a minimum Best's Rating of A-VIII. In addition, all carriers are subject to approval by the Town. Minimum Limits and requirements are stated below:

1) Worker's Compensation Insurance:

- Statutory Coverage
- Employer's Liability
- \$500,000 each accident/\$500,000 disease-policy limit/\$500,000 disease each employee
- A Waiver of Subrogation shall be provided in favor of the Town of Glastonbury and its employees and agents.

2) Commercial General Liability:

- Including Premises & Operations, Products and Completed Operations, Personal and Advertising Injury, Contractual Liability and Independent Contractors.
- Limits of Liability for Bodily Injury and Property Damage
Each Occurrence \$1,000,000
Aggregate \$2,000,000 (The Aggregate Limit shall apply separately to each job.)
- A Waiver of Subrogation shall be provided in favor of the Town of Glastonbury and its employees and agents.

3) Automobile Insurance:

- Including all owned, hired, borrowed and non-owned vehicles
- Evidence a Combined Single Limit of Liability for Bodily Injury and Property Damage: Per Accident \$1,000,000
- A Waiver of Subrogation shall be provided in favor of the Town of Glastonbury and its employees and agents.

4) Professional Liability

- Each Claim/Aggregate Limit: \$1,000,000

5) Excess/Umbrella Liability

- Following Form
- Each Occurrence/Aggregate Limit: \$3,000,000

If any policy is written on a "Claims Made" basis, the policy must be continually renewed for a minimum of two (2) years from the completion date of this contract. If the policy is replaced and/or the retroactive date is changed, then the expiring policy must be endorsed to extend the reporting period for claims for the policy in effect during the contract for two (2) years from the completion date.

The Respondent shall direct its Insurer to provide a Certificate of Insurance to the Town before any work is performed. The Contractor shall be responsible to notify the Town 60 days in advance with written notice of cancellation or non-renewal. The Certificate shall evidence all required coverage including the Additional Insured on the General Liability and Auto Liability policies. The Respondent shall provide the Town copies of any such insurance policies upon request.

M. INDEMNIFICATION

To the fullest extent permitted by law, the Respondent shall indemnify and hold harmless the Town of Glastonbury and its consultants, agents, and employees from and against all claims, damages, losses and expenses, direct, indirect or consequential (including but not limited to fees and charges of engineers, attorneys and other professionals and court and arbitration costs) to the extent arising out of or resulting from the performance of the Respondent's work, provided that such claim, damage, loss or expense is caused in whole or in part by any negligent act or omission by the Respondent, or breach of its obligations herein or by any person or organization directly or indirectly employed or engaged by the Respondent to perform or furnish either of the services, or anyone for whose acts the Respondent may be liable.

N. BONDS

Each proposal must be accompanied by a bid bond payable to the Town for ten percent (10%) of the base price proposal. The bid bond of the successful Respondent will be retained until the 100% payment bond and 100% performance bond have been executed and approved, after which it will be returned. A certified check may be used in lieu of a bid bond. The Town of Glastonbury will not be liable for the accrual of any interest on any certified check submitted. Cashier's checks will not be accepted.

A 100% Performance and Payment Bond is required of the successful Respondent. This bond shall cover all aspects of the specification and shall be delivered to the Purchasing Agent prior to the issuance of a purchase order. The Performance and Payment Bond will be returned upon the delivery and acceptance of the proposal items. The cost of the 100% Performance and Payment Bonds shall be included in the base price proposal.

IMPORTANT: Failure to comply with any of the General Provisions may result in the disqualification of the proposal.

7. PROJECT TIMELINE

The Town intends to adhere to the schedule listed below as closely as possible, but reserves the right to modify the schedule in the best interest of the Town as required.

Publicize RFP	03-20-18
RFP Response Due Date/Time	05-02-18 @ 11:00 A.M.
Shortlist of Proposals Received	05-25-18
Interviews	Week of 06-04-18
Selection of firm and "Notice of Award"	TBD
PO Effective Date	TBD
Delivery and Acceptance (Calendar Days to Deliver)	TBD

8. PRICE SUMMARY, ALTERNATIVES, AND WARRANTY PRICE OPTIONS

Respondent shall complete a separate Price Summary Form (Attachment I), Alternatives (Attachment II), and Warranty Form (Attachment III) with their proposal submission.

II. TECHNICAL REQUIREMENTS

1. GENERAL

1.1. It is the intent of this proposal to provide the Town with a class "A" 1500 GPM single stage Triple Combination Pumper, mounted on a "custom" tilt cab chassis with a water carrying capacity of no less than 750 and not greater than 1000 gallons, utilizing modern design to ensure ease of operation and provide for firefighter safety.

1.2. The completed apparatus, including the cab, body and chassis shall be constructed/assembled by the respondent and warranted by the respondent. Individual components such as: engine; transmission; pump; axles; lighting; or tanks may be provided by other manufacturers, however, the respondent shall be responsible for the coordination of warranties and resolving any conflicts.

1.3. The apparatus shall be designed and constructed using accepted engineering, design, and construction methods, with due consideration of the loads to be sustained, and the distribution of the loads. Frame, suspension, drive line, water tank, and all other parts of the vehicle shall be strong enough to withstand the road speed, and general service under full load. The vehicle shall be designed so that parts or components requiring service or maintenance are readily accessible for inspection, adjustment, or repair.

1.4. The manufacturer shall use aluminum to construct the cab and body of the vehicle. The manufacturer should select the manufacturing methods that will provide for a 25-year service life, taking into consideration the lowest anticipated operational and maintenance costs (e.g. may use formed or extruded components). Manufacturers may submit alternative proposals utilizing stainless steel keeping in mind that the Town is looking for a 25-year service life with minimal operational and maintenance costs. When submitting alternative proposals, please complete separate price summary, alternatives and warranty forms for each alternative proposal.

1.5. It is preferred that the manufacturer shall be ISO 9001 certified, and shall be solely responsible for the design, construction and performance of the apparatus and all supplied equipment. Manufacturer shall provide written documentation that the completed vehicle meets or exceeds the requirements contained in the National Fire Protection Association 1901 Standard for Automotive Fire Apparatus 2016 edition, and complies with all federal, state, ICC, and DOT regulations for commercial vehicles as well as fire apparatus.

1.5.1. It is the Town's intention to comply with all applicable NFPA Standards and governmental regulations. If there are any conflicts between this proposal and the applicable NFPA Standards or governmental regulations, the respondent should notify the Town of the conflict.

1.6. This RFP does not attempt to repeat requirements contained in applicable NFPA standards. Items are called out to establish the Town's intent, provide clarification, and provide guidance to respondents. Where this RFP is silent the respondent should use their best design judgment and comply with the applicable NFPA standards.

1.7. The proposal shall include one inspection trip by representatives of the Glastonbury Fire Department. The respondent should include the costs for this trip in their proposal.

1.7.1. The inspection trip shall be made by three fire department staff members and include: transportation, lodging, meals, and be conducted Monday through Friday during business hours.

1.7.2. In the event that a second trip is required for inspection the respondent shall be responsible for the cost of one fire department staff member at the discretion of the Glastonbury Fire Chief.

1.8. Specifications and schematic drawings of the proposed vehicle shall be submitted with this proposal. (Please note dimensions and propose as requested)

1.9. Vehicle Size

1.9.1. Maximum vehicle length 31.5 feet (measured at the front and rearmost projection)

1.9.2. Maximum vehicle width 9.3 feet (measured at the outside of the mirrors)

1.9.3. Maximum vehicle height 10.3 feet (measured at the highest projection)

1.9.4. Maximum wheel base of 15.10 feet (measured at the center of the front wheel to the rear wheel)

1.10. Vehicle Roadability

1.10.1. Per Chapter 4 of NFPA 1901

1.10.2. Maximum Turning Radius 35 feet measured at the body (a tighter turning radius is preferred)

1.10.3. Maximum attainable Road Speed 68 mph

1.10.4. The vehicle is to operate in the following ambient air temperatures: Minimum of -20 degrees F. and Maximum of 110 degrees F.

1.11. Hose Thread Size Information:

1.11.1. All hose thread shall be National Standard Hose Thread (NH) as defined in NFPA 1963 with the following exception: Two four inch pump outlet connection shall be provided with a 5-inch Storz type adapter.

1.12. Suction Hose

1.12.1. Hard Suction Hose. Three 10-foot lengths of six inch clear PVC hard suction shall be provided with NH thread (long handle female, rocker lug male, light weight fittings) fittings.

1.12.2. Two of the 10-foot lengths are to be mounted in the rear of the truck in a compartment accessed from the rear of the truck, with provisions for storing a strainer.

1.13. Ground Ladders

1.13.1. Ground ladders are to be stowed on a motorized ladder bracket that will include the third 10-foot hard suction length. The ladder rack shall be capable of lowering the ladders to a safe and convenient height for use, and stowing the ladders above the passenger side compartments.

1.13.2. The following ladders shall be provided:

1.13.2.1. One 28 foot, Duo-Safety 900A or approved equivalent, aluminum two-section extension ladder, with ladder locks and rope hoist shall be provided.

1.13.2.2. One 16 foot, Duo-Safety 775-A or approved equivalent, aluminum ladder with folding hooks shall be provided.

1.13.2.3. One 10 foot, Duo-Safety 585-A or approved equivalent, aluminum folding attic ladder

1.13.3. The following pike poles shall be provided.

1.13.3.1. One 6 foot pike pole, fiberglass, with mounting brackets.

1.13.3.2. One 8 foot pike pole, fiberglass, with mounting brackets.

1.13.3.3. Two aluminum tubes shall be provided for mounting the pike poles.

1.14. Third Party Testing

1.14.1. The complete apparatus shall be third party tested and certified as a class "A" triple combination pumper. Unit shall also meet or exceed all NFPA 1901 (latest addition) specifications and standards.

1.15. Service Center

1.15.1. Department prefers that the vendor has a service center located within the State of Connecticut. Service center should be located within a 30 mile radius of the Town of Glastonbury.

2. CHASSIS

2.1. The cab and chassis shall be designed and manufactured specifically for the fire service. The frame shall be hot dip galvanized prior to assembly and attachment of any components.

2.1.1. Tow hooks shall be provided at the front and rear of vehicle and secured to the vehicle frame. The tow hooks shall be accessible without opening access panels or compartments.

2.2. The chassis shall feature a 4x4 axle configuration consisting of a single rear drive axle with a single front drive steer axle.

2.2.1. The 4x4 axle configuration shall be installed by the chassis manufacturer at the time of assembly and have the ability to be shifted out of 4X4 mode from inside the cab within reach of the driver while seated in the driver's seat.

2.2.2. After market conversion of the 4x4 axle configuration will NOT be acceptable.

2.3. Drive line

2.3.1. Engine: Cummins Diesel Series L9, 450 HP (or approved equivalent not less than 400 HP)

2.3.1.1. Electric fuel priming system shall be provided.

2.3.1.2. Dual fuel filter with check valves and fuel water separator

2.3.1.3. Exhaust to exit from passenger side of the vehicle in front of rear wheels

2.3.1.4. Jacobs or approved equivalent engine brake shall be provided.

2.3.2. Transmission: Allison Automatic World Transmission model EVS 3000.

2.3.2.1. An Allison "T" handle shall be provided and located to the right of the driver within clear view and easy reach.

2.3.2.2. The transmission shall utilize all six (6) speeds to optimize travel up to 65 MPH. The transmission gear ratio shall be:

1st	3.49:1
2nd	1.86:1
3rd	1.41:1
4th	1.00:1
5th	0.75:1
6th	0.65:1
Rev	5.03:1

2.3.2.3. The transmission, upon start up, will automatically select a five (5) speed operation. The sixth speed over drive shall be available with the activation of the mode button on the shifting "T" handle.

2.3.3. Manual Traction Control Axle Differential Lock to be provided.

2.3.4. Front & Rear tires to be Michelin tread pattern XDN2 type, or approved equivalent.

2.3.5. Tires must meet or exceed axle ratings.

2.3.6. Wheel rims shall be aluminum or approved equivalent – polished one side; finish side out.

2.3.7. Apparatus must meet Commercial Vehicle Limits in the State of Connecticut. Axle weight ratings must exceed the expected loaded weight of the apparatus.

2.3.8. Mud flaps, with an 8 inch ground clearance are to be provided for the front and rear wheels.

2.3.9. Air Brake System with Automatic Brake System (ABS) shall be provided: The braking system shall be designed to provide as short of a stopping distance as possible.

2.3.9.1. One air inlet to be located on the exterior near the Driver's door with auto-eject. This inlet is used to maintain system pressure, and is supplied from the station compressor.

2.3.9.2. Automatic air dryer system

2.3.9.3. Interlock to ensure brake set before engaging the pump.

2.3.9.4. One air outlet to be located on the pump panel.

2.4. CHASSIS CAB

2.4.1. A radio compartment shall be provided near the pump panel with a jack to the apparatus radio.

2.4.2. Seating Capacity

2.4.2.1. Seating for six firefighters shall be provided. Driver and Officer in front seats, four firefighters in crew area of cab.

2.5. Low-Voltage Electrical

2.5.1. A Kussmaul battery conditioner shall be provided with the receptacle located on the exterior near the driver's door with auto-eject.

2.5.1.1. The conditioner shall have sufficient capacity to provide current for charging and maintaining the batteries, and the following portable equipment: portable radios (4); gas meter; thermal imaging camera; portable hand lights (4); iPad.

2.5.1.2. One red lens light at each jump seat location.

2.5.1.3. Interior cab shall also have clear LED rope lighting throughout in addition to the dome lights.

2.5.2. Exterior lights, warning lights and sirens.

2.5.2.1. General. All exterior automotive lighting and warning lighting should be manufactured by Whelen and be LED style where possible. Warning lighting should be equivalent to Glastonbury Engine 11 located at 2825 Main Street Glastonbury. Vendors can make arrangements to view Glastonbury Engine 11 by contacting the Fire Chief.

2.5.2.2. Work lighting shall comply with NFPA 1901. Additional work lighting shall be provided around the entire perimeter of the vehicle.

2.5.2.3. Two sirens shall be provided. Federal Q2 (with brake) recessed in the front bumper and Whelen WS-295HFS1 with (1) 200-watt speaker mounted in the front bumper.

2.5.2.4. Two E Tone air horns, or approved equivalent shall be provided and mounted (recessed) in the front bumper.

3. DRIVING AND CREW AREAS

3.1. Seating.

3.1.1. Driver and Officer seating in the front of the cab. Drivers seat shall be a Seats Inc. #911 air-ride high-back seat (air adjustable), or approved equivalent. Officer's seat shall be a Seats Inc. #911 SCBA Concept seat, or approved equivalent. Seats will include sensors with both an audible and visual alarm.

3.1.2. Firefighters (4) shall be in the rear of the cab, with a raised roof over the crew area. Two seats shall be a Seats Inc. Concept SCBA seat, or approved equivalent. Two seats may be fold-down style. Seats will include sensors with both an audible and visual alarm.

3.1.2.1. Windows to be located in the rear wall of cab to provide the crew with visibility when exiting cab.

3.1.2.2. Windows in the crew cab doors shall be electric style.

3.2. Driver compartment and controls

3.2.1. A tilt and telescoping steering wheel shall be provided.

3.2.2. Heated remote control west coast style mirrors shall be provided.

3.2.3. Convex mirrors shall be provided.

3.2.4. Spotter mirrors shall be installed on both sides of the apparatus integrated into the side mirrors.

3.2.5. Crossover mirror shall be installed over the passenger side above the door.

3.2.6. A compartment designed to contain the following shall be provided on the officer's side: run book; map book; keys; and clip board.

3.2.7. The passenger side window shall have a control located for operation from the Driver's position.

3.3. Heating, Ventilation, and Air Conditioning

3.3.1. An HVAC system shall be provided that is capable of heating the cab to 75 degrees F with an ambient temperature of 0 degrees F with 50 % relative humidity, and cooling the cab to 70 degrees F with an ambient temperature of 100 F with 80% relative humidity – roof mounted preferred.

3.3.2. It is the intent that the entire crew cab meet the climate control requirements. Consider additional units or duct work as needed.

3.4. Portable Equipment in Cab

3.4.1. Four Streamlight Fire Vulcan LED model # 44451 lantern(s) with 12 volt DC charger bases shall be furnished and installed. The chargers shall be wired direct to the chassis batteries. The hand lights shall be mounted upon direction from the Fire Department.

3.4.2. One pick head axe, one flat head axe, and two Haligan bars, or approved equivalent to be provided and securely mounted in the crew area of cab.

3.5. Interior Compartment.

3.5.1. A minimum of three (3) cubic feet of storage space shall be provided in an interior compartment located in the crew area of the cab to safely store the

following portable equipment: thermal imaging camera; gas meter; and portable radios.

3.5.2. Helmet holders to be provided by the manufacturer. Location of helmet holders to be determined by the Department.

3.6. Exterior Compartments.

3.6.1. The design of the compartments shall maximize usable storage space and provide for the efficient storage of equipment. Compartments shall be supplied with lighting, and vented.

3.6.1.1. Compartment shelving, trays, and floors (unless a sliding tray is located directly above) shall be provided with vinyl grating.

3.6.1.2. Driver's side compartments shall be full height rescue style compartments, with hinged doors painted to match the apparatus' exterior color, with the exception of the compartment immediately in front of the rear wheels. That compartment shall be equipped with AMDOR brand roll up door painted to match the apparatus' exterior color.

3.6.1.2.1. The front driver's side compartment shall be outfitted with two (2) slide-out tool boards that are full height on heavy duty slides to accommodate fittings.

3.6.1.3. Passenger side compartments shall be rescue style compartments, with hinged doors painted to match the apparatus' exterior color. The lower section of compartment immediately in front of the rear wheels shall be approximately 24 inches deep with 500-pound capacity slide out tray. Additional adjustable 125 pound capacity shelving shall be provided where feasible and practical.

3.6.1.4. The middle driver's side compartment shall be outfitted with 2 slide-out / tilt down horizontally mounted trays for tools above the rear wheel.

3.6.1.5. There shall be a compartment provided on both sides of the apparatus in the rear fender housing area as directed and sized as large as possible. The compartment shall be constructed using the wheel well structure. The compartment shall have an extruded aluminum door and will include a black non-locking flush pull latch capable of holding two (2) 30 minute self-contained breathing apparatus cylinders in each area.

3.6.1.6. Rear compartment shall be sized to provide maximum storage space with an AMDOR brand roll up door.

3.6.2. Compartment bottoms shall be flush with the bottom of the compartment door opening to facilitate cleaning.

3.6.3. Exterior walking surfaces to be aluminum tread plate with an aggressive surface, or approved equivalent.

3.7. Communications Equipment

3.7.1. Antennas, antenna cable, power supply cable, and conduit for control cable, shall be provided for the following communications equipment:

3.7.1.1. UHF mobile radio – with remote control head, speaker and microphone mounted in a compartment adjacent to the pump panel Note: UHF radio will be supplied and installed by the Town of Glastonbury after delivery.

3.7.1.2. UHF mobile radio - Note: UHF radio will be supplied and installed by the Town of Glastonbury after delivery.

3.7.1.3. Radio headset system for Driver, Officer, and two jump seats shall be supplied – Dave Clark or approved equivalent.

3.8. Hose

3.8.1. Hose to be carried for pre-connected lines (Note: Hose is not to be supplied by respondent.)

Length	Size	Location
250 ft	1 ¾ inch	Cross lay to be adjacent to the pump panel
250 ft	1 ¾ inch	Cross lay to be adjacent to the pump panel
250 ft	2 ½ inch	Cross lay to be adjacent to the pump panel

3.8.2. Hose to be carried in hose bed (Note: Hose is not to be supplied by respondent.)

Length	Size	Location
1500 ft	5 inch (Storz)	Hose bed above water tank
500 ft	3 ½ inch	Hose bed above water tank

3.8.3. Hose bed shall be provided with two adjustable hose bed dividers.

3.8.4. No hose bed cover.

3.8.5. A booster (hose) reel shall be mounted above the pump, provided with rubber hose and nozzle, mounted and discharged on the apparatus' curbside.

3.9. Onan 6 KW hydraulic generator

3.9.1. Four receptacles on the exterior of the apparatus.

3.9.2. L5A-20 receptacles.

3.9.3. All breakers equipped with ground fault protection.

3.9.4. A 250 foot electric cord reel with a four gang junction box (12-3 gauge wire to be stored in dunnage area).

3.9.4.1. Four gang junction box to include L5A-20 receptacles

3.9.5. The generator is to be tested prior to delivery.

3.9.5.1. The test will be witnessed by and attested to by an independent third party. The test results are to be recorded. Documentation of the testing shall be provided upon request.

3.10. Scene Lights

3.10.1. The front of the cab shall include two (2) Whelen model Pioneer PFA2 contour roof mount scene lights installed on the brow of the cab.

3.10.2. The side of the cab shall include two (2) Whelen 900 series 9SC0ENZR model scene lights, one (1) each side which shall be surface mounted with a chrome bezel. The Whelen lights shall offer LED lighting at a gradient 32-degree angle.

3.10.3. Incorporated into the rear of the apparatus will be LED scene lights. Make and model to be determined by the Department.

4. FIRE PUMP

4.1. A Waterous model CSU 1500 GPM single stage centrifugal midship pump. Pump shall include heavy-duty pump transmission, electric priming pump and be designed as a unit.

4.1.1. Pump shall be capable of drafting from a 15-foot lift through 24 feet of suction hose at 1500 gpm.

4.1.2. Pump and associated piping shall be protected against corrosion with sacrificial anodes.

4.1.3. Pump shall be provided with a Class 1 Total Pressure Governor (engine /pump governor) with provisions for a preset feature for pressure, and return to idle on loss of water.

4.1.4. All piping to be made of corrosion resistant material – stainless steel or approved equivalent.

4.1.5. Environmentally safe priming system.

4.2. Pump operator's panel shall be located midship, driver's side of vehicle. Due care shall be given to the layout of the panel so that valves and gauges have an obvious association.

4.2.1. Pump Panel shall be provided with a microphone and speaker compartment. Approximately 12" x 9" x 6", with a hinged door.

4.2.2. Pump panel shall be labeled and color-coded to identify the various intake and discharge controls and gauges.

4.2.3. Gauges.

4.2.3.1. Gauges shall be protected against freezing.

4.2.3.2. Master gauges to be a minimum of 4 inches, liquid filled. They shall indicate pump pressure and intake pressure/vacuum.

4.2.3.3. Individual line gauges shall be provided.

4.2.3.3.1. Line gauges for 2.5 inch or smaller discharge outlets shall indicate line pressure.

4.2.3.3.2. Line gauges for large diameter discharge outlets shall indicate line pressure and volume.

4.2.4. Gauges shall be provided to indicate the approximate level of water in the water storage.

4.2.5. Pump Intakes

Size	Type of Adapter	Location	Valved
6 inch	With Cover	Passenger side, midship	No
6 inch	5-inch Storz gated relief valve	Driver's side, midship	Yes
2 ½ inch	Female, gated	Driver's side, midship	Yes

4.2.5.1. A 5-inch Storz gated relief valve with air bleeder shall be provided on the driver's side 6-inch connection with cap and chain.

4.2.5.2. All pump inlets shall be provided with chrome caps.

4.2.5.2.1. Chains shall be provided on all caps except for 6-inch connections.

4.2.6. Discharge Outlets

Quantity	Size	Pump Pipe Size	Type of Adapter	Location	Flow
2	2 ½	2 ½ in	Male	Driver's side, midship	250 gpm
1	2 ½	4 in	5 inch Storz	Passenger side, midship	1500 gpm
2	2 ½	3 in	Male	Rear of Hose Beds	250 gpm
1	3 in	3 in	Male	Deluge Riser/capped for future Deck Gun	1000 gpm
1	4 in	4 in	5 inch Storz	Passenger side, midship	1500 gpm

4.2.7. All pump outlets shall be provided with chrome 30 degree elbows and chrome caps.

4.2.7.1. Chains shall be provided on all outlet caps.

4.2.7.2. All discharge valves will be slow closed.

4.2.8. Discharge Outlets for pre-connected Hose Lines

Quantity	Size	Type of Adapter	Location	Flow
2	2 in	male, 1 ½, swivel	Adjacent to pump panel	250 gpm
1	2 ½	male, 2 ½, swivel	Adjacent to pump panel	500 gpm

4.2.9. All discharge piping will be stainless steel.

4.2.10. Manufacturer shall pre-pipe for a future deck gun, which shall be mounted on the top of the apparatus with controls located at the pump panel.

4.2.11. The pump is to be tested by an independent third party.

4.2.11.1. A third party acceptance plate will be provided on the pump panel.

5. WATER TANK

5.1. A water tank no less than 750 gallons and no greater than 1000-gallon plastic style water tank.

5.1.1. The minimum tank to pump flow rate shall be 500 gpm.

5.1.2. The minimum pump to tank fill rate shall be 250 gpm.

5.1.3. The water tank shall be provided with a direct fill, accessible from the top of the truck

5.1.4. US manufacturer and lifetime warranty preferred.

5.1.5. Two tank to pump valves – front and rear of tank.

5.1.6. Other tank preferences - .50" thick polypropylene stock, nitrogen welded seams and joints, and anti-slosh partitions.

5.1.7. An auto tank fill to be provided on the curb side of the pump panel. The auto tank fill is to be equipped with 3" pipe.

5.1.8. Two (2) Innovative Controls 14 LED light water level indicators shall be provided on the driver and curb sides above the pump discharges.

6. EXTERIOR PAINT, LETTERING, AND DECALS

6.1. Paint, lettering, and decal scheme shall closely match existing department equipment. Please see Attachment IV for details.

7. DELIVERY

7.1. Completed vehicle shall be delivered to: Glastonbury Vehicle Maintenance Highway Garage at 2380 New London Turnpike Glastonbury, CT 06033.

7.2. A qualified and responsible representative of the respondent shall be available to the fire department for a minimum of 24 hours over three a (3) day period, with evening hours of (6pm to 9pm), to instruct fire department personnel in the operation, care, and maintenance of the vehicle.

7.3. Two complete sets of operating, maintenance (including a schematic of the electrical system) and parts manuals shall be provided on delivery.

8. ACCEPTANCE

8.1. Vehicle will be accepted after inspection by the Town of Glastonbury to determine compliance with this RFP, respondents' proposal, and engineering drawings. The Town of Glastonbury will notify the respondent of the results of the inspection within three (3) business days from the date of delivery.

9. PAYMENT

9.1. Payment will be made within five (5) business days of acceptance of the vehicle.

10. **WARRANTY** Completed vehicle and all equipment shall be warranted for a minimum of one (1) year. Longer warranties on the entire vehicle or major components are preferable as the Town is planning on using the vehicle for 25 years or longer as front line apparatus. The respondent shall be responsible for all warranty claims. Please complete the attached warranty summary form and include any other supporting documentation with the proposal response.

11. **ALTERNATES** The Town of Glastonbury is soliciting pricing for the following optional designs and equipment. The Town will select items which it believes are in the Town's best interests, at the Town's sole discretion. Do not include these prices in the base price proposal.

11.1. Extended Warranties. Please provide pricing on warranties for the following time periods if available: 5 years; 10 years; and, 20 years on attached warranty summary form. See § 10.

11.2. Respondents may propose any other alternatives (design, equipment, or method) that they believe may be in the Town's best interests. These design changes are proposed modifications to the specifications in this RFP. Please indicate if the design change is an increase or decrease to the base price of the proposed apparatus.

11.3. Respondents may also propose an alternative design for the fire apparatus than what has been specified, however, the Town requires each respondent to also submit a proposal for the apparatus as specified. The alternate proposal shall be submitted with the respondents proposal and be labeled: "ALTERNATE PROPOSAL"

11.4. EQUIPMENT: (PROPOSE SEPARATELY)

11.4.1. An Elkhart Extender deck gun or approved equivalent shall be mounted on the top of the apparatus with controls located at the pump panel. An Elkhart Rapid Attack monitor nozzle or approved equivalent shall be provided for storage in a compartment.

11.4.2. Front bumper suction connection.

11.4.3. AMDOR rollup door enclosure for the pump panel.

11.4.4. Side step hose tray to accommodate a 15 foot soft suction bag.

11.4.5. Light tower.

Attachment I

PROPOSAL RESPONSE PAGE - PRICE SUMMARY FORM

BID / PROPOSAL NO: RPGL-2018-19 **DATE DUE:** 05-02-18
DATE ADVERTISED: 03-20-18 **TIME DUE:** 11:00 AM
NAME OF PROJECT: TRIPLE COMBINATION PUMPER

Please complete the following:

Base Price of new Triple Combination Pumper, delivered to Glastonbury \$ _____
(Base price shall include the cost of 100% Payment and 100% Performance Bonds) **Numeric Amount**

Written Amount \$ _____

Number of days to complete and deliver – Upon receipt of Order _____

Deduct for Trade In of 1992 International Harvester 1000 GPM Pumper (\$ _____)
(Accepted at Town’s Option)

Include the following information:

The following bid checklist describes items required for inclusion with the above-referenced bid proposal package. It is provided for the convenience of the bidders and, therefore, should not be assumed to be a complete list.

- _____ 10% Bid Bond (on base bid proposal)
- _____ Specifications depicting proposed Triple Combination Pumper
- _____ Schematic drawings depicting proposed Triple Combination Pumper
- _____ Written description of proposed Triple Combination Pumper
- _____ Warranties included in proposal
- _____ Delivery Schedule
- _____ Sales brochures or other material that may help Owner evaluate proposal
- _____ Description of any exceptions taken of this RFP, if any
- _____ List of pumpers delivered in Connecticut within the last five (5) years
- _____ Certification that Respondent has been in business five (5) years
- _____ Proposal Response Forms (Attachment I, Attachment II, Attachment III)

The Respondent acknowledges receipt of the following Addenda:

Addendum #1 _____ (Initial/Date) **Addendum #2** _____ (Initial/Date) **Addendum #3** _____ (Initial/Date)

It is the responsibility of the respondent to check the Town’s website for any Addenda before submitting the proposal.

Respondent Name: _____

NON-COLLUSION STATEMENT:

By submission of this proposal, the Respondent certifies that it is being submitted without any collusion, communication, or agreement as to any matter relating to it with any other respondent or competitor. We understand that this proposal must be signed by an authorized agent of our company to constitute a valid proposal

CODE OF ETHICS:

I / We have reviewed a copy of the Town of Glastonbury's Code of Ethics and agree to submit a Consultant Acknowledgement Form if I /We are selected.

Yes _____ No _____ *

*Respondent is advised that effective August 1, 2003, the Town of Glastonbury cannot consider any proposal where the respondent has not agreed to the above statement.

Type or Print Name of Individual

Doing Business as (Trade Name)

Signature of Individual

Street Address

Title

City, State, Zip Code

Date

Telephone Number / Fax Number

E-Mail Address

SS # or TIN#

(Seal – If proposal is by a Corporation)
Attest

Attachment II

ALTERNATIVE PRICE SUMMARY FORM

(Accepted at Town’s option)

Item	Description	Price
11.1	Extended Warranties. Please provide pricing on warranties for the following time periods if available: 5 years; 10 years; and, 20 years on attached warranty price summary sheet Attachment III.	
11.2	Respondents may propose any other alternatives (design, equipment, or method) that they believe may be in the Town’s best interests. These design changes are proposed modifications to the specifications in this RFP. Please indicate if the design change is an increase or decrease to the base price of the proposed apparatus.	\$ _____
11.3	Respondents may also propose an alternative design for the fire apparatus than what has been specified, however, the Town requires each respondent to also submit a proposal for the apparatus as specified. The alternate proposal shall be submitted with the respondents proposal and be labeled: “ALTERNATE PROPOSAL”	
11.4.1	An Elkhart Extender deck gun or approved equivalent shall be mounted on the top of the apparatus with controls located at the pump panel. An Elkhart Rapid Attack monitor nozzle or approved equivalent shall be provided for storage in a compartment.	\$ _____
11.4.2	Front bumper suction connection.	\$ _____
11.4.3	AMDOR rollup door enclosure for the pump panel.	\$ _____
11.4.4	Side step hose tray to accommodate a 15 foot soft suction bag on the curb side.	\$ _____
11.4.5	Light tower.	\$ _____

Respondent Name: _____

Attachment III

WARRANTY PRICE SUMMARY FORM

Description	Base Warrantee (Indicate Number of Years)	5 Year Warrantee (Price)	10 Year Warrantee (Price)	20 Year Warrantee (Price)
Complete Vehicle		\$	\$	\$
Frame		\$	\$	\$
Engine		\$	\$	\$
Transmission		\$	\$	\$
Axels & Suspension		\$	\$	\$
Pump & Controls		\$	\$	\$
Pump Transmission		\$	\$	\$
Paint		\$	\$	\$
Cab, Structural		\$	\$	\$
Cab, Corrosion		\$	\$	\$
Body, Structural		\$	\$	\$
Compartment Doors		\$	\$	\$
Ladder Rack		\$	\$	\$
Body, Corrosion		\$	\$	\$
Tank		\$	\$	\$
Warning Equipment		\$	\$	\$
Electrical System		\$	\$	\$

Respondent Name: _____

Attachment IV

EXTERIOR PAINT, LETTERING, AND DECAL SCHEME

- The exterior paint and lettering scheme is to match Glastonbury Service 43 which is located at 1247 Manchester Road Glastonbury, CT 06033
- Exterior Color: Paint shall be Dupont Imron - Town to provide color specification upon award:
 - Cab – Two tone, upper section white, lower section red, Body – red
- Striping: Where the upper and lower paint color meet a 0.50 inch wide gold with black pinstripe shall be applied over this break line.
- Three reflective stripes across the front, rear, and sides of the vehicle. The stripes consist of a 1 inch black stripe, 1 inch gap, 4 inch black stripe, 1 inch gap, 1 inch black stripe. A gold leaf stripe shall be provided on each side of the body and gold leaf striping at the front cab corners.
- Lettering: 83 three inch gold leaf letters with outlining and shading shall be provided.
- Emblems: Two 16 inch Gold Star, or approved equivalent gold leaf shall be supplied and applied between the doors of cab.
- Color of upholstery: Black vinyl
- Color of interior of cab: Black