YARMOUTH FIRE DEPARTMENT
PUMPER TANKER

FIRE APPARATUS SPECIFICATIONS

PUMPER TANKER

Sealed proposals for a **PUMPER TANKER**
will be received until Tuesday, June 11, 2024, at 3:00 p.m., local time.
As described herein and addressed:
Name: Mike Deveau
Title: Fire Chief
Address: 400 Main Street, Yarmouth, NS, B5A 1G2
Email: fire.chief@townofyarmouth.ca
Telephone: 902-742-7411

YARMOUTH FIRE DEPARTMENT
PUMPER TANKER

1.A.1	TOWN OF YARMOUTH PUMPER TANKER SPECIFICATIONS & INSTRUCTIONS DOCUMENT
1.A.1.1	GENERAL

The Town of Yarmouth is accepting request for proposal (RFP)for a pumper tanker to compliment its emergency fleet. A tentative delivery date and regular status updates must be provided.The apparatus shall meet or exceeded NFPA 1901, Standard for Automotive Fire Apparatus (2016 edition), and CAN/ULC-S515-13, Standard for Automobile Fire Fighting Apparatus, regarding its use as a pumper tanker. The RFP price must remain valid for thirty (30) days from the date of the RFP opening. **Any bidders on this (RFP) must concentrate on the durability and performance of their proposed apparatus and not its looks or extra perks.**
Bidder proposals must be submitted to:
Chief Administrative Officer
Town of Yarmouth

400 Main Street
Yarmouth NS B5A 1G2

Proposals must be received by 3:00 p.m. on the closing date, Tuesday, June 11, 2024. The bid opening will be on the same day at 3:00 pm. **All tenders must be submitted in sealed envelopes, clearly mark "Town of Yarmouth Pumper Tanker".** No RFP will be accepted through fax or electronic media. Questions regarding anything within the tender must be submitted in writing (email, mailed paper copy or fax) to:

Mike Deveau
Fire Chief
Yarmouth Fire Department
221 Pleasant St.
Yarmouth N.S.
B5A 2K2
Email: fire.chief@townofyarmouth.ca
Phone: 902 749 8292
Fax: 902 742 4252

1.A.2	SPECIFICATIONS
1.A.2.1	The specifications table is to be used by the bidder to show that their bid is in compliance with or is an exception to the specifications listed. Any bidder item not shown in the table may be explained through other documentation but must be added to the end of the specifications table as its own item and marked as such. Any error, omission or inconsistency with this specification document identified by the bidder shall be listed as such in the exceptions and a proposal to meet the intent of the specification shall be listed.
1.A.2.2	The apparatus shall comply with Federal and Provincial highway regulations, standards and laws relating to its use in regard to commercial/fire apparatus. It must meet or exceed the Provincial motor vehicle inspection requirements.
1.A.3	PRICING MANDATORY AND OPTIONAL WORK
1.A.3.1	All items in the specifications are mandatory. Any company bidding on this RFP must agree to price and perform all work and furnish all equipment listed in the specifications. The company's RFP price that is used to determine the lowest bidder shall include the price of the apparatus, equipment and all associated costs in regard to taxes, testing and delivery. A detail cost list shall be provided by the bidder in their bid.
1.A.4	APPARATUS DELIVERY TESTS
1.A.4.1	The road tests required are those specified in NFPA 1901 and shall be conducted by the bidder at the time of delivery to the purchaser in the presence of the accepting authority. If the apparatus fails to meet the test requirements on the first trial a second trial may be made, at the option of the bidder, within thirty (30) days of the date of the first trial. Failing the trial for the second time will be cause for rejection of the apparatus. Permission to keep or store the apparatus in any building owned by the purchaser during the trials does not constitute acceptance of the apparatus. Insurance covering loss, theft or any liability shall remain the responsibility of the bidder until formal acceptance is completed.
1.A.5	ACCEPTANCE

	The declared delivery date is the date of acceptance. Acceptance of the apparatus and associated equipment will be made after the above trials and inspections have been completed. Equipment items not delivered at the time of the trials or construction not in conformance with the proposal will be cause for withholding the payment until delivery is complete and acceptable. The finished apparatus will be inspected upon delivery for compliance with specifications and previously authorized exceptions. All authorized exceptions must be approved before the bid closing date. Deviations from the specifications will be cause for rejection of the apparatus unless they were originally listed in the bidder's proposal and previously approved by the purchaser.
1.A.6	BODY CONSTRUCTION MATERIAL
1.A.6.1	The Town of Yarmouth is interested in an apparatus with main body of aluminum.
1.A.7	CAB CONSTRUCTION REQUIREMENTS
1.A.7.1	Testing results of the cab crush worthiness, in accordance with NFPA 1901 standards, must be included with the bid.
1.A.8	EVALUATION AND EXCEPTIONS
1.A.8.1	In order to properly evaluate all RFP, the bid specifications table in this specification document must be completed and returned with the bid. Any exception or variation in construction, performance, testing or items of equipment between the purchaser's specifications and the bidder's proposal shall be detailed and submitted on an evaluation sheet. The bidder must explain in detail, and with full supporting data, how the proposed deviation meets or exceeds the specifications and why it is necessary. The purchaser reserves the right to determine which deviations are acceptable. A complete set of contractor specifications of the proposed apparatus must be submitted with the bid. Submission of the contractor specifications in the purchaser's specification order is a requirement. "Yes" answers on the bid evaluation specs do not relieve the bidder of the requirement to submit an accurate proposal. Discrepancies found in the contractor's specifications will be considered noncompliance. General layout drawings showing all equipment on the front, rear, left, right, and top view, including all compartments of a representative apparatus must be submitted with the bid for the purpose of comparison. The purchaser's specifications shall, in all cases, govern the construction of the apparatus, unless a properly documented exception or deviation was approved. Any bid indicating that the manufacturer's proposal shall supersede the purchaser's specifications will be considered a complete substitute specification and immediately rejected.
1.A.9	PROTOTYPE APPARATUS
1.A.9.1	No prototype or experimental apparatus will be accepted. The builder must demonstrate that that the company has successfully produced and sold apparatus of the same design and of the same material in the past three (3) years.
1.A.10	MANUFACTURER'S RELIABILITY
1.A.10.1	The manufacturer must be satisfactory to the Town of Yarmouth from the standpoint of experience, reliability, and demonstrated ability in the manufacturing of apparatus of the same type that this RFP is requesting. A list containing the names and contact information of fire departments that have purchased the same type of apparatus, in the past three (3) years, must be supplied by the manufacturer. The list will be used for reference checks in regard to the quality of apparatus built by the manufacturer.
1.A.11	THE RIGHT TO REJECT BIDS

1.A.11.1	The Town of Yarmouth reserves the right to reject any or all RFP, not necessarily accept the lowest RFP, or to accept any which it may consider to be in the best interest of the Town. The Town also reserves the right to waive formality, informality or technicality any tender.
1.A.12	BID BOND
1.A.12.1	A bid bond or certified check in the amount of ten percent (10%) of the bid (not to exceed $20,000) shall be furnished with the bidder's proposal. The bond will ensure that the bidder will enter into contract and submit a performance bond within 14 days of notice of award of contract. The successful bidder's bid bond will be returned or released after a contract is executed and an acceptable performance bond has been delivered. In case of failure to comply within the stated time, the bid bond will be forfeited as liquidated damages because of the default. The bid bonds or checks of all other bidders will be returned after the contract for the tender is awarded.
1.A.13	PERFORMANCE BOND
1.A.13.1	A performance bond in the amount of fifty percent (50%) of the bid shall be furnished by the successful bidder within fourteen (14) days after receiving the official notice of award of contract. Failure of the contractor to complete delivery according to the contract and specifications will be cause to begin action for forfeiture of performance bond. The bond shall also guarantee compliance and performance with the warranty provisions of the specifications.
1.A.14	BOND SUPPLIERS QUALIFICATIONS
1.A.14.1	The bonds furnished by the successful bidder shall be from a surety company authorized to underwrite surety bonds in Canada with a minimum A.M. Best rating of A. The purchaser may review the financial condition of the surety and accept or reject any surety at its discretion. Sureties must submit bonds in a form that will be subject to the approval of the purchaser.
1.A.15	PRODUCT LIABILITY INSURANCE
1.A.15.1	Product liability insurance of not less than $5,000,000 shall be supplied by the bidder. Documentation of the amount of product liability carried by the manufacturer and the name of the insurance carrier shall be provided by the bidder at the time of bid submission. The successful bidder shall defend any and all suits and assume liability for the use of patented device or article forming a part of the apparatus furnished under the contract. Failure to supply a copy of the Certificate of Insurance with the bid will be cause for immediate rejection of the bid.
1.A.16	REPLACEMENT PARTS
1.A.16.1	The bidder must ensure that a stock of routine repair parts is maintained at the service centre location cited in the specifications table. The Town of Yarmouth reserves the right to reject bids of vendors who cannot produce satisfactory evidence that this inventory is available and that they can furnish promptly all other parts needed for service or repair of the equipment herein specified. The Town of Yarmouth reserves the right to visit the facility for purpose of evaluation and reject any bidder who, in the department's sole opinion, does not fully comply with the provisions set in the specifications table.
1.B.2	**Administrative Requirements**

	The bidder must have an authorized and reputable service centre within 500 kilometers of the Town of Yarmouth that has been in business for a minimum of 5 years. State the name and address of the service center. If considered unacceptable by the Fire Department, the RFP will be rejected. Adequate indoor heated facilities and a minimum of two trained technicians to perform repairs, including power train, chassis, and generator, must be provided. A minimum of one (1) fully equipped mobile shop vehicle must be available at the service centre location for warranty work at the fire department
1.B.2.2	Warranty work related to items other than the chassis (for ex: electrical wiring, emergency lights, body structure or paint, etc.) will be provided by the bidder directly on-site, at the fire station, at no additional charge. If the fire apparatus needs to be repaired at the bidder's authorized service center, the travel expenses will be at the charge of the bidder.
1.B.2.3	Warranty work on the chassis will be provided by a local authorized dealer of the fire department's choice. The travel expenses between the fire station and the dealership will not be covered by warranty, or by the bidder.
1.B.2.4	The successful bidder shall, during the performance of the contract and for three (3) years following acceptance of the apparatus, keep in force the following minimum commercial general liability insurance:
	Products completed operations aggregate $2,000,000.00
	Personal and advertising injury $2,000,000.00
	Each occurrence $1,000,000.00
1.B.2.5	Coverage shall be written on a commercial general liability form. The policy shall be written on an occurrence form and shall include contractual liability coverage subject to the terms and conditions of the policy. The policy shall include the business owner as an additional insured. The required limits can be provided by one or more policies, provided all insurance requirements are met.
1.B.2.6	UMBRELLA/EXCESS LIABILITY INSURANCE
	The successful RFP shall, during the performance of the contract and for three (3) years following the acceptance of the apparatus, keep in force at least the following minimum limits of umbrella liability insurance:
	Aggregate $10,000,000.00
	Each occurrence $10,000,000.00

1.B.2.7	The umbrella policy shall be written on an occurrence basis and at a minimum provide excess to the bidder's liability, automobile liability and the employer's liability policies. The business owner shall be included as an additional insured on the general liability policy. The required limits can be provided by one or more policies, provided all insurance requirements are met. The bidder agrees to furnish the owner with a current certificate of insurance with the coverage listed above along with its bid. The certificate shall be made out to the purchaser. The certificate of insurance shall provide that the owner be given thirty (30) days advance notice of cancellation or nonrenewal in coverage.
1.B.2.8	Two (2) global drawing to scale including the chassis for each view (left side, right side, and rear) must accompany the RFP. It should represent the proposed vehicle in its integrity. All main components shall be on the plan:
	• Overall dimensions
	• Required chassis
	• Dimensions of every compartment
	• Steps, footsteps, and handles

	Emergency lights with actual position
1.B.2.9	Two (2) certificates from the Canadian Welding Bureau, one (1) according to CSA W47.1-M1983 standard in division 2 and one (1) according to CSA W47.2-M1987 in division 2 or equivalent.
1.B.2.10	one(1) copy of the chassis manufacturer proposal
1.B.2.11	one (1) copy of the certificate acknowledging that the manufacturing that the manufacturer quality system complies with ISO 9001:2008 standard
1.B.2.12	One copy of the V-MUX technician training certificate issued by Weldon(if applicable)
1.B.2.13	A Canada Motor Vehicle safety standard (C.M.V.S.S.) registration certificate
1.B.2.14	Two (2) copy of chassis operation manuals.(digital and paper)
1.B.1.15	Two (2) copies of wiring, for the chassis and the body. The diagram shall be (As Build Wiring Diagrams)Digital and paper copies.
1.B.12.16	One (2) copy of engine and transmission operation manuals(both digital and paper)

1.B.2.17	Two (2) copies of ULC documentation .(Both digital and paper)
1.B.2.18	One (2) copy of warranties, instructions and /or maintenance manuals of equipment added to the vehicle.(both digital and paper)
1.B.2.19	Two (2) operation manuals of the truck including a troubleshooting guide.(both digital and paper)

BASIC PUMPER/TANKER REQUIREMENTS YARMOUTH FIRE DEPARTMENT

MANUFACTURER:

	YES	NO	DETAILS
Hose capacity to meet ULC/NFPA standard ULC pumper			
ULC S515-13 and NFPA 1901 compliance			
Equipment carrying capacity – standard ULC pumper			
ULC testing – Pumper – Imperial units of measure			
Fire Service 4 door single axle Custom cab and chassis			
General body construction 1/8” or 3/16” aluminum			
-Bidder to provide detailed drawing of proposed apparatus			
-Bidder to provide scaled weight and balance estimation			
-Bidder to provide centre of gravity report			
Maximum length under 33’ 5” preferred			
Maximum height of complete apparatus 10’ 8”			
Cost of 1 Pre delivery inspection trip for 2 YFD representatives at the manufacturer’s facility to be covered by the builder			
Completed apparatus to be delivered to customer station in Yarmouth, Nova Scotia			
Bidder to provide current estimate of required built time			
Delivery to include the following			
-2 days of comprehensive apparatus specific training for staff			
-Complete vehicle heavy truck service (fluids, filters) when vehicle arrives in the province			
-Completed Nova Scotia Motor Vehicle Inspection			
-Completed Nova Scotia Front Axle Certification form (MV62G)			
Warranties (Minimums-Non Prorated coverages)			
Chassis/body base bumper to bumper 2 year			

	YES	NO	DETAILS
Chassis Structural 10 Years			
Chassis Paint 10 years			
Chassis Frame Structural Lifetime			
Chassis frame Galvanizing minimum 10 Years			
Engine 5 years			
Transmission 5 years			
Braking system 5 years			
Front and rear axles 5 years			
Body Structural 10 years			
Body Paint 10 years			
Pump Minimum 5 years parts and labour			
Plumbing 10 years			
Water tank Lifetime			
Emergency Warning lighting 5 years			
Emergency Warning siren and speaker 2 years			
Chassis			
Custom chassis testing and approval			
STATIC LOAD SEAT TEST INFORMATION SEATS			
This model of seat shall have successfully completed the static load tests set forth by FMVSS 207/210. This testing			
shall include a simultaneous forward load of 3000 pounds each on the lap and shoulder belts and twenty (20) times the weight through the center of gravity. This model of seat installed in the cab model, as specified, shall have successfully completed the dynamic sled testing using FMVSS 208 as a guide with the following accommodations. In order to reflect the larger size outfitted firefighters, the test dummy used shall be a 95th percentile hybrid III male weighing 225 pounds rather than the 50th percentile male dummy weighing 165 pounds as referenced in FMVSS 208.			

	YES	NO	DETAILS
The materials used in construction of the seat shall also have successfully completed testing with regard to the flammability of materials used in the occupant compartments of motor vehicles as outlined in FMVSS 302, of which dictates the allowable burning rate of materials in the occupant compartments of motor vehicles.			
CAB TEST INFORMATION			
The cab as built shall have successfully completed the pre-load side impact, static roof load application and frontal impact without encroachment to the occupant survival space when tested in accordance with Section 4 of SAE J2420			
COE Frontal Strength Evaluation Dynamic Loading Heavy Trucks, Section 5 of SAE J2422 Cab Roof Strength Evaluation			
Quasi –Static Loading Heavy Trucks and ECE R29 Uniform Provisions Concerning the Approval of Vehicles with regard to the Protection of the Occupants of the Cab of a Commercial Vehicles Annex 3 Paragraph 5.			
The above tests shall have been witnessed by and attested to by an independent third party. The test results shall have been recorded using cameras, high speed imagers, accelerometers, and strain gauges.			
Documentation of the testing shall be provided upon request.			
CAB INTEGRITY CERTIFICATION			
The manufacturer shall provide a cab crash test certification with this proposal including SAE J2422 Cab Roof Strength Evaluation - Quasi-Static Loading for Heavy Trucks and SAE J2420 COE Frontal Strength Evaluation - Dynamic Load for Heavy Trucks.			

	YES	NO	DETAILS
CAB CRASH TEST INFORMATION			
• Roof Crush			
o The cab shall be subjected to a roof crush test of 120,000-pounds exceeding the requirements of ECE 29 criteria. The 120,000-pound requirement is important to ensure to most structurally sound and safe cab in the event of a crash or roll over.			
• Side Impact			
o The cab shall be subjected to dynamic moving barrier slammed into the side of the cab at 7.5 mph, striking with an impact of 15,157-foot pounds of energy. This test will closely represent the forces a cab would incur in a rollover incident.			
• Frontal Impact			
o The cab shall withstand a frontal force produced from a moving barrier slammed into the front of the cab traveling at 10.5 mph, striking with an impact of 42,587-foot pounds of energy.			
The same cab shall withstand all tests without any measurable intrusion into the survival space of the occupant area.			
Single Axle Custom Chassis with a minimum 8” raised roof specifically designed for the fire service			
Vehicle to be capable of 109 KPH speed operation after loaded in service			
Cramp angle preferred 45 Degrees			
Fluid capacity plate			
Minimum 96” Wide			
60” MFD model			
3/16” Aluminum construction			

	YES	NO	DETAILS
Full length cab doors with overhead drip rail extensions			
Galvanized double frame and front bumper extension			
Chassis paint color ordered to department spec (2 tone chassis)			
Powered hydraulic cab tilt system with safety lock and manual back up system			
Tilting and telescopic steering column			
All cab side window glass to have added light grey tint			
Power windows			
Power locks with 2 back up key fobs			
Remote power controlled and heated main mirrors with power controlled convex mirrors			
High Capacity Defrost/Heat/Air conditioning, rear passenger unit to be overhead ceiling style (no engine doghouse mounted style)			
Cab to be insulated against intrusion of excess engine heat as well as cold in winter months			
Cummins diesel engine minimum 450 HP			
Automatic transmission (Allison EVS 3000 5 speed)			
Chassis fluids (oil, window washer, transmission fluid, power steering) checks accessible without tilting apparatus cab			
ABS braking system			
ESC (Electronic Stability Control)			
Seat belt warning display and system			
VDR (Vehicle Data Recorder) system			
Aluminum wheels with complete hub and lug trim kits installed			

	YES	NO	DETAILS
Tires with mixed service rating, must be capable of superior handling on wet and snow covered roads and rated for axle weights and requested speed. Michelin preferred			
LED tire pressure indicators – total of 6			
Axles per manufacturer's requirement for safe GVWR of finished vehicle with all equipment and 6 personnel			
Seating for 6, Seats brand XL Vinyl (electric adjustable driver, manual adjustable front passenger, 4 fixed rear passenger. 5 seats to be SCBA style with IMMI Smart Dock SCBA bracket			
Front and rear mudflaps			
Horizontal exhaust pipe – Right side of lower body ahead of rear wheels			
Battery boost terminals with chassis (driver's step well)			
Chassis batteries 4/6 unit system			
Alternator minimum 320 AMP			
Chassis fuel tank minimum 65 gallons			
Rear tow hooks – under body			
Front tow hooks through or under front bumper			
On Spot automatic traction chains rear axle			
Master battery disconnect included with chassis			
Backup alarm included with chassis			
Auto air eject for inlet – LS with weatherproof cover			
1 Train horn mounted behind extended front bumper with controls for both driver and officer			
Minimum Four 120 volt 20 A wired to shoreline in chassis cab and body			
Kussmaul autocharge 1000 battery conditioner w/battery saver or equivalent			

	YES	NO	DETAILS
Electric system 12Volt DC point to point preferred			
Super auto eject for 120v – 20 A with sealed enclosure and weatherproof cover			
LED Engine compartment light included with chassis			
Dual Camera system with rear and right side view with monitor in cab			
Pump and Plumbing			
Midship, split shaft 1500 USG (1250 IGPM) single stage pump			
ULC Pump Test performed/documented in flow of Imperial Gallons Per Minute			
Mechanical seals			
TRV (Thermal Relief Valve)			
Plumbing and manifold Stainless Steel			
Valves and controls – side mount operator pump panel			
Akron/Elkhart swing out style valves specified			
Piping all stainless steel – general			
1-1/2” thread specifications NPSH			
2-1/2” thread specifications Nova Scotia Zone 1			
Piping hydrostatic test			
Anodes in suction and discharge piping			
Tank to pump 3” valve and plumbing			
Tank fill valve 2” valve and plumbing			
Suction – Drivers side (left) 6” gated side master intake suction valve – electric control valve with 6” NST base threads. To be equipped with 6” female threaded x 4” Storz elbow adapters and 4” Storz protective caps			

	YES	NO	DETAILS
Suction – Passengers side (right) 6” gated side master intake suction valve – electric control valve with 6” NST base threads. To be equipped with 6” female threaded x 4” Storz elbow adapters and 4” Storz protective caps			
Suction - One-6” gated front master intake suction valve – electric control valve passenger side swivelling elbow above extended bumper 6” NST thread with cap			
Suction/Inlet-One 2-1/2” inlet drivers side with chrome swivel, screen and plug			
One 4” right discharge, plumbed 3”, 4” Storz fitting elbow with cap			
One 4” rear body discharge, plumbed 3”, 4” Storz fitting elbow with cap			
One 2-1/2” RS discharge plumbed 2-1/2” with chrome disc elbow and cap			
Two 2-1/2” LS discharge plumbed 2-1/2” with chrome disc elbows and caps			
One 2-1/2” rear discharge plumbed 2-1/2” with chrome disc elbow and cap			
Two 1-1/2” stacked speedlay style preconnect hosebeds ahead of pumphouse plumbed 2” with continuous swivelling elbows, removable aluminum storage trays and cargo stye end flaps.			
One 1-1/2” bumper trash line plumbed 2” to extended front bumper with continuous swivelling elbow. Bumper to have centre hose well, aluminum treadplate hinged cover with gas shock and interior light. Well capable of holding 150’ of DJ firefighting hose and a pistol grip nozzle			

	YES	NO	DETAILS
One 3” monitor discharge plumbed 3” with threaded pipe above pump house with 18” electric telescopic pipe, remote controlled with hand help wireless remote monitor kit including top mount, upper, stream shaper, quad stacked tips and master stream fog/straight stream nozzle.			
All 1-1/2” discharges to have auto drain valves, all other inlets and discharges to have manual lift up style drain valves			
Pump to have master drain valve, wheel style on pump operator’s panel			
Pump shift switch in cab with pump engaged and OK to pump green interlock lights			
Manual over ride system for pump shift on pump panel drivers side			
Side mount pump operator instrument panel LS			
Black finish on instrument panels LS/RS			
Side pump panels to be hinged style for easy access during maintenance			
Removable CP aluminum access panel w/ latches at front of pump house for easy access			
Colour coded tags for plumbing			
Right side upper pump access door Black Finish			
FRC pump boss governor/throttle engine display			
Trident automatic air primer 3 barrel 3 location (1 pre primer for each drivers and passenger side master and front suction intakes)			
Engine cooler			
Pump cooler			
Pumphouse heater, removable heat pan, rubber body seal gasket			

	YES	NO	DETAILS
Class A (1%) 12V electronic direct injection style foam system (Plumbed to both crosslays and front trash line and monitor) Foam Pro brand model 2001 preferred			
12V electric foam tank refill system with pick up tube installed at pump operator panel			
Water/Foam Tank			
Polypropylene water and foam tanks (imperial gallons measure)			
Water and foam tank capacity certification (tank manufacturer)			
Water tank capacity minimum 1500 imperial gallons (1600 Preferred)			
Foam cell (Single) minimum 16 imperial gallons			
3” tank to pump connection			
2” tank fill connection			
Tank cleanout sump with 1.5” ¼ turn drain valve			
4” Firemans friend semi automatic direct tank fill connection with 4” Storz elbow with cap and bleeder valve			
10” dump connection			
10” rear Newton electric controlled dump or equivalent. Stainless steel construction			
Newton dump or equivalent – swivel extension			
Electrical			
Base electrical system – 12Volt point to point preferred			
Warning light certification (NFPA)			
Low voltage electrical system test			
Rocker switch panel with master warning switch in cab dash			

	YES	NO	DETAILS
200 watt siren amplifier system			
Siren to be accessible to driver and officer seat position			
2 Siren speakers, 100 watt, recessed in front bumper			
Federal Q2B mechanical siren – Pedestal mounted front bumper drivers side.			
Q siren power interlocked with E master switch			
Q siren actuator switches and brake for both driver and officer			
70” LED lightbar NFPA 14 red, 4 red/white heads			
Rear amber LED traffic advisor bar – surface mount – approx. 32” long-Auto On Feature			
Two Rear upper red LED beacons			
LED Roto Ray Red/White/Red warning light on front of chassis cab			
Four Front Grille red LED warning heads -with integral flasher (4” x 6”)			
Two Rear red LED warning heads – with integral flasher (4” x 6”)			
Two Front red LED front side inter warning heads – with integral flasher (4” x 6”)			
Two Body red LED mid side warning heads – with integral flasher (1” x 4”)			
Two Body red LED rear side warning heads – with integral flasher (4” x 6”)			
Two Rear floods LED mounted 1 each side upper rear body interlock w/ park brake			
Reverse (ditch) lights in rear fenders – LED in housings interlock with reverse gear			
Two FRC Spectra MAX side mount/push up 12V LED lights (28,000 LM) at pumphouse			

	YES	NO	DETAILS
Compartment lighting – LED tube lights (2) each compartment w/ magnetic door switch			
Door ajar warning system with flashing light			
Step lights for body steps – LED controlled by switch on dash			
12 Ground lights per NFPA – LED controlled by switch on dash			
Hose bed lighting- LED controlled by switch on dash			
CMVSS LED clearance lts and reflectors			
Britax LED rear body marker lights			
Firetech HiViz Quad LED headlights with lifetime warranty, DRL and alternating flasher			
LED intermediate turn signals/clearance/reflector on side body			
LED triple cluster tail/brake-turn-backup module with housing			
1 LED brow scene light installed on upper custom cab roofline minimum 26,000 lumen			
Remote controlled LED Go Light mounted on chassis cab roof right side			
Rigid (SAE-Street Legal) LED Fog lights mounted through front bumper			
LED Scene lights (pr) – (9” x 6”) – left side minimum 7000 lumen each			
LED Scene lights (pr) – (9” x 6”) – right side minimum 7000 lumen each			
LED Scene lights (pr) – (9” x 6”) – rear facing minimum 7000 lumen each			
Cab switches for left, right and rear scene			
Rear scene lights to be auto actuated by transmission reverse gear			

	YES	NO	DETAILS
Manufacturer to provide antenna and wiring and install customer supplied VHF radio			
Manufacturer to provide antenna and wiring and install customer supplied TMR radio			
Manufacturer to provide antenna and wiring and install customer supplied Airport radio			
Single Axle Body			
Single axle pumper/tanker aluminum body			
Painted fender surround			
Polished fender trim			
Lower aluminum treadplate step			
Aluminum treadplate rear step, upper body approx. 30” for reloading hose			
Extruded alum rub rail on sides and rear of body with spacers for drainage			
Front left side compartment mid height w/ anodized roll up door w/ lock			
Front right side compartment full height w/ anodized roll up door w/ lock			
Mid left side compartment (top wheel well) painted drop down hinged style			
Mid right side compartment (top wheel well) full height w/ anodized roll up door w/ lock			
Rear left side compartments mid height w/ anodized roll up door w/ lock			
Rear right side compartment full height w/ anodized roll up door w/ lock			
No rear compartment (flat back configuration)			
Five rollup doors, standard grey finish and manual locks			

	YES	NO	DETAILS
Elastic pull down straps installed for full height rollup doors			
Extruded aluminum handrails as follows			
-Where practical at LS pump panel to access crosslay beds approx. 12”			
-One vertical each side of rear body approx. 30”			
-One horizontal rear of apparatus mid body height approx..			
Rear body folding staircase style access ladder at LS rear of unit			
2 folding steps at rear of body – RS			
4 folding steps at RS front of body next to pump panel			
Storage compartments for a min of 5 SCBA cyl rear fender wells			
Minimum of Eight adjustable shelves for exterior compartments (location TBD)			
Minimum of Three 250lb roll out trays for exterior compartments (location TBD)			
Minimum of One swing out tool board with peg style backing in R2			
Main hose bed – aluminum floor material with adequate drainage and air circulation			
Two adjustable hose bed dividers			
Vinyl cover over hose bed with end flaps – hook and shock cord securement			
2 Speedlay beds ahead of pump panel w/ removable aluminum trays and end flaps			
-capacity requested for each 200’ of 1.75” DJ hose as well as 1 PG nozzle			
-manufacturer to provide 2 additional spare trays			

	YES	NO	DETAILS
Undercoating of chassis and rear body for added rust protection			
Painted pump and plumbing			
Spray coated finish on compartment interiors			
Space on body for five 6” x 10’ lightweight suction hoses			
Easily accessible space to contain ladders and pike poles (listed as follows)			
1-10’ folding attic ladder			
1-14’ straight roof ladder with folding hooks			
1-24’ 2 section extension ladder			
1-6’ pike pole with fibreglass handle			
1-10’ pike pole with fibreglass handle			
Powered drop down style rack with painted enclosure DS for 2100 USG porta tank			
Instrumentation			
Two 4-” master gauge – dual scale PSI/KPA 30”-0-400 or 30” -0-600			
Ten 2-1/2” individual discharge pressure gauges – dual scale PSI/KPA 0-400 or 0-600			
Main Primer control manual/auto			
Three additional primer controls (pre primers for MIV inlets)			
FRC pump boss governor control			
Additional Air Horn actuator button located at pump operators panel			
Master LED electric water level gauge display on pump panel,			
3 Large LED accessory water tank level displays (1 LS, 1 RS, 1 rear)			

	YES	NO	DETAILS
Master LED foam tank level gauge display			
Test gauge panel			
Heat exchanger control valve			
Battery status readout indicator head mounted on chassis			
Reflective Vinyl and Lettering			
Side Reflective Lettering – To match existing fleet			
Side Reflective stripe – 4” side body with 1” accent stripes above and below			
Rear Reflective striping – red and yellow chevron entire rear body			
Accessories to be Provided with Apparatus			
Five 6” x 10’ lightweight suction hoses with threaded couplings			
TFT low level 6” strainer with float and jet siphon A03HNX-JET-F			
Pike pole fibreglass handle – 6’ long			
Pike pole fibreglass handle – 10’ long			
24’ 2 section aluminum NFPA extension aluminum ladder			
14’ aluminum NFPA roof ladder with folding hooks			
10’ aluminum NFPA folding attic ladder			
2100 US gallons portable tank with aluminum folding frame			
Two large wheel chocks – aluminum (ea) mounted			
Two horizontal brackets for folding wheel chock (each)			
Equipment mounting to be Provided With Apparatus			
Drivers side of the apparatus			
8-2.5 " fitting mounting plate			
6-1.4"fitting mounting plate			
2-4" storz reducer			

	YES	NO	DETAILS
1-low level strainer			
Passanger side of apparatus			
Hlomatro Combi tool Tilt&deploy moun(cust supplied)			
4-20lb Fire extinguishers			
1-set of irons assembly (flat head axe and haligan bar)			
1-6lb sledge hammer			
1-4' drywall rake			
1-24" bolt cutters			
1-Pick head axe			
I- flat head axe			
1-crow bar			
1-4'pike pole			
2-16" bar chainsaw			
2-Milwalkee m18 Light and duel charger			
1-Blowhard Quickee battery fan			
Options (Please Price for each separately)			
One 1” rear body discharge plumbed to booster reel with 200’ hose. Hannay electric rewind with roller system and 1” pistol grip nozzle. Air blowout feature for reel.			

RFP SCORING

Safety	30%
Delivery Time	20%
MAJOR COMPONENTS	
Pump and Plumbing	10%
Lighting	5%
Water Capacity	15%
Body	10%
Warrenties	10%
TOTAL SCORE	