



**REGIONAL DISTRICT  
of Fraser-Fort George**

**REQUEST FOR PROPOSALS CS-16-10**

**NEW FRONTLINE ENGINE FOR  
PINEVIEW VOLUNTEER FIRE DEPARTMENT**



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## 1.0 INTRODUCTION

The Regional District of Fraser-Fort George (the “Regional District”) invites proposals from qualified fire apparatus manufacturers for the supply and delivery of a new frontline engine for Pineview Volunteer Fire Department.

Two (2) complete copies of your proposal must be submitted in a sealed package labeled “**RFP CS-16-10 New Frontline Engine for Pineview Volunteer Fire Department**” to the General Manager of Financial Services, by **2:00 p.m. local time, Monday, October 31, 2016**. The proponent’s name and return address must be clearly marked on the outside of your proposal submission package. Late proposals will not be accepted and will be returned unopened to the proponent. **Proposals received by fax will not be accepted.**

### **Proposals must be sent to:**

General Manager of Financial Services  
Regional District of Fraser-Fort George  
3<sup>rd</sup> Floor, 155 George Street  
Prince George, BC V2L 1P8

### **All questions relating to this project must be in writing, directed to the Project Manager:**

Melanie Perrin, Fire Services Coordinator  
Regional District of Fraser-Fort George  
155 George Street  
Prince George, BC V2L 1P8  
Telephone: 250-960-4400  
Fax: 250-562-8676  
Email: [mperrin@rdffg.bc.ca](mailto:mperrin@rdffg.bc.ca)

The Regional District reserves the right, in its sole discretion, to waive informalities in proposals, reject any and all proposals, or accept the proposal deemed most favorable in the interests of the Regional District. The proponent will be competent and capable of performing the work. The proponent may be required to provide evidence of previous experience and financial responsibility before a contract is awarded.

**The Regional District will not be responsible for any costs incurred by proponents as a result of the preparation or submission of documents pertaining to this Request for Proposals (RFP).** The accuracy and completeness of the Proposal is the Proponent’s responsibility. Should errors be discovered, they will be corrected by the proponent at their expense.

RFP documents may be obtained on, or after, Thursday, September 29, 2016:

- a) in a PDF (public document format) file format from the Regional District’s website [www.rdffg.bc.ca](http://www.rdffg.bc.ca);
- b) in hard copy from the Regional District Service Centre, 155 George Street, Prince George, BC between 8:00 a.m. and 5:00 p.m., Monday through Friday, excluding statutory holidays; or
- c) on the *BC Bid*<sup>®</sup> website [www.bcbid.gov.bc.ca](http://www.bcbid.gov.bc.ca).

The lowest priced, or any proposal, will not necessarily be accepted and the Regional District reserves the right to reject any or all proposals, at its sole discretion without prejudice. Furthermore, the Regional District reserves the right to negotiate with any proponent or proponents at its sole discretion.



## 2.0 GENERAL INFORMATION AND INSTRUCTIONS TO PROPONENTS

### 2.1 Errors, Omissions, Clarifications

All questions and requests for clarification relating to the RFP process, and/or identification of any errors or omissions in the RFP documents, shall be made in writing to the Regional District, Attention: Melanie Perrin, Fire Services Coordinator, by mail, hand-delivery, fax to **250-562-8676**, or email to [mperrin@rdffg.bc.ca](mailto:mperrin@rdffg.bc.ca). **Questions and requests for clarifications will not be accepted over the phone.**

### 2.2 Proposal Submissions

**Two (2) signed copies of each proposal must be submitted.** Each copy shall be complete and unabridged and shall not refer to any other copy for additional information, clarification, or details.

### 2.3 Proposal Format

Proponents are asked to respond in a similar manner. Appendices "A" and "B" must be submitted on the same forms included in this RFP, no exceptions. The following format and sequence should be followed in order to provide consistency in responses and to ensure each proposal receives full and complete consideration. All pages should be consecutively numbered.

- a) Title page including RFP title and number, proponent's name and address, telephone number, fax number, email address, and contact representative.
- b) One-page Letter of Introduction **SIGNED** by the authorized signatory of the proponent which will bind the proposed statement(s) made in the proposal.
- c) Table of Contents including page numbers.
- d) An Executive Summary of the key features of the proposal.
- e) Completed Appendix "A".
- f) Completed Appendix "B".
- g) Completed Appendix "C" (if proponent elects to submit Appendix "C").
- h) Complete contact information for three (3) references (see 3.6).

## 3.0 PROPOSAL EVALUATION AND SELECTION PROCESS

### 3.1 Proposal Evaluation

All proposals will be initially evaluated by the Regional District to assess the qualifications and capabilities of proponents to meet the minimum standards specified in the RFP.

The proposal evaluation through to proponent selection will be based on the following process as deemed appropriate by the Regional District:

1. Initial proposal evaluation by the Regional District.
2. Follow up question(s) from the Regional District to proponent(s). (Optional at discretion of the Regional District.)
3. Further question(s) from the Regional District to proponent(s). (Optional at discretion of the Regional District.)
4. Interview(s) of selected proponent(s) by Regional District. (Optional at discretion of the Regional District.)



5. Follow-up interview of selected finalist(s). (Optional at discretion of the Regional District.)
6. RFP criteria scoring by the Regional District.
7. Recommendations to Board.

### 3.2 Initial Proponent Selection Process

As a result of the initial written proposal evaluation, the Regional District may, at its sole discretion, request oral presentations and enter into detailed discussions with initially selected proponents prior to preparing a short-list of qualified proponents.

The Regional District may, at its sole discretion, prepare a “short-list” of proponents which initially appear to have the necessary qualifications, based solely on the information contained in the written proposals and/or additional information that may be obtained by the Regional District. The Regional District will be under no obligation to obtain additional clarification from any proponent(s) prior to preparing an initial “short-list” or before entering into detailed discussions, or negotiations, with any proponent.

### 3.3 Selected Proponent Negotiations

The Regional District, at its sole discretion, reserves the right to enter into contract negotiations with a selected proponent, or proponents, based only on the evaluation of the written proposal(s), and/or an evaluation of the combination of the written proposals, oral presentations, and/or detailed discussions.

The Regional District reserves the right to enter into negotiations with any proponent without requiring any other proponents to make any presentations, or require any other proponents to enter into detailed discussions with the Regional District.

### 3.4 Termination of Negotiations and/or RFP Process

The Regional District reserves the right to terminate contract negotiations with any proponent, and to enter into contract negotiations with any other proponent(s) if, in the opinion of the Regional District at any time, the contract negotiations with the initially selected proponent(s) will not be satisfactorily completed in the best interests of the Regional District.

The Regional District may, at its sole discretion, reject any or all proposals at any time throughout the proposal evaluation, proponent selection, or contract negotiation process.

### 3.5 Non-Compliance with RFP Requirements

Unless explicitly stated in a proposal, all proposals shall be assumed by the Regional District to be in full compliance with the RFP requirements without exception.

All items in the proposal that are **not** in full compliance, or that vary from the specific RFP requirements, shall be clearly identified in the proposal as non-compliant and/or variant, and shall include specific reference to the relevant section in the RFP and the precise nature of the variance or non-compliance.

Non-compliance or variances with the specific RFP requirements will not necessarily result in rejection of a proposal.

The acceptance or rejection of all non-compliant items, and/or variances to the RFP requirements, shall be at the sole discretion of the Regional District, without any obligation by the Regional District to either request clarifications, enter into detailed discussions, or negotiations with the proponent(s).

All bids must be submitted with completed Appendices “A” and “B” as contained within this RFP in order to be eligible for consideration.



3.6 References

Please include three (3) references that may be contacted for purposes of confirming your company's experience in supplying and delivering this type and design of vehicle.

**4.0 MANUFACTURER SELECTION**

4.1 Selection Criteria

The following are the criteria and the percentage of the total score for each criterion that will be used by the Regional District to select a proponent. The list of criteria is not in any particular order of priority. The Regional District, in its sole judgment, will base the selection of a successful proponent on a combination of the following criteria:

Evaluation criteria:

Experience	25%
Compliance with RFP Requirements	30%
Delivery date	5%
Price	35%
Nearest Service Facility	<u>5%</u>
Total	<u>100%</u>

**5.0 CONTRACT SCHEDULE**

5.1 Award of Contract

The Award of Contract is expected to be made not later than November 17, 2016. All proponents will be advised in writing of the final results of the RFP evaluation process.

The Regional District, in its sole judgment, may delay the Award of Contract date as deemed appropriate by the Regional District.

5.2 Form of Contract

The contract to supply and deliver the finished apparatus to Pineview Volunteer Fire Department will be in the form of a letter of proposal acceptance, purchase order, or other format as agreed upon by the Regional District and the successful proponent.

**6.0 APPARATUS FAMILIARIZATION**

6.1 Apparatus Drawings

Final design acceptance and contract award will be conditional on the successful proponent providing **TWO (2) sets of scale drawings** showing left, right, front, and rear plan views of the apparatus. As-Built wiring diagrams as proposed will be required and are to be completed together with all dimensions. Dimensions are to be in imperial units.

6.2 In-Service Training

All proponents shall indicate the degree to which in-service training on the completed apparatus will be provided to the members of Pineview Volunteer Fire Department.



6.3 Service, Installation, Repair, and Operators Manuals

Factory service manuals, installation manuals, repair manuals, and operator's manuals shall be provided for the cab/chassis and all components comprising the completed apparatus, such as engine, transmission, front and rear axle, and engine status centre. All manuals shall accompany the apparatus when delivered to Pineview Volunteer Fire Department.

**7.0 APPARATUS SPECIFICATIONS**

7.1 Minimum Requirements

The minimum requirements for the completed apparatus are as detailed in Appendix "A" (minimum specifications) attached to and forming part of this RFP. Prospective proponents may recommend changes or adjustments to the specifications outlined where the proponent believes that such changes or adjustments will result in a better quality product in terms of efficiency, tractability, serviceability, or general operation. In all cases, the proponent should provide reasons for the recommended changes or adjustments to the RFP specifications in the initial proposal response documents.

7.2 Specifications Not Outlined

In terms of any of the apparatus specifications not detailed in this RFP, proponents are free to bid on the proposal as they choose, provided that the proponent's relevant specifications are detailed in the proposal response.

7.3 Compliance with Laws and Regulations

The completed apparatus shall comply with all relevant Federal and British Columbia motor vehicle laws and regulations and British Columbia's Worker's Compensation Board (WCB) Regulations prior to delivery.

British Columbia Motor Vehicle Inspection to be completed prior to apparatus delivery.

7.4 Underwriters' Laboratories of Canada (ULC) Standards

The apparatus shall be designed so as to comply with all relevant provisions of ULC-S515 "Standards for Automobile Fire Fighting Apparatus". The apparatus shall be fully tested and certified by a ULC Inspector to the ULC standard and have an ULC label affixed to the apparatus prior to delivery.

**8.0 WARRANTIES AND INSURANCE**

8.1 Chassis and Component Warranties

Proponents shall list the standard warranties applicable to the vehicle chassis and other components of the completed apparatus, which are included in the bid price, and document additional or extended warranties that are available together with any special provisions and applicable costs.

8.2 Manufacturer's Insurance

Proponents will be expected to satisfy the Regional District that sufficient insurance is provided to protect the Regional District's direct investment in the event the apparatus is damaged or destroyed prior to delivery.



**9.0 APPARATUS DELIVERY AND PAYMENT**

9.1 Apparatus Documentation

All documentation required to register ownership in the name of the Regional District shall be provided prior to, or upon, delivery.

9.2 Apparatus Timetable

Proponents must indicate the anticipated schedule for the delivery of the apparatus to Pineview Volunteer Fire Department. The actual delivery date of the apparatus and training date(s) of fire department personnel must be coordinated with Pineview Volunteer Fire Department in advance and with sufficient notice in order to accommodate fire department members' work schedules.

9.3 Contract Price

All prices for the completed apparatus shall be stated in Canadian dollars. Any applicable Federal or Provincial taxes or levies must be included in the proposal response, but are to be listed separately from the contract price. Appendix "B" – Schedule of Prices must be completed and included in the proposal package.

9.4 Payment Schedule

Proponents will outline the proposed payment schedule with sufficient detail so as to allow evaluation by the Regional District of when progress payments, if applicable, may become due.

9.5 Holdback on Delivery

In the event it is determined that the completed apparatus does not meet the specifications outlined in the contract documents or that the completed apparatus is deficient in any way, the Regional District may, at the time of delivery, hold back sufficient funds to ensure compliance. The amount of the holdback, if any and the provisions for the release of funds shall be subject to discussion between the Regional District and the manufacturer. The conclusion of any discrepancies and/or deficiencies must occur within a reasonable period of time.

9.6 Late Delivery

The successful proponent will be required to notify the Regional District if, during the construction process, there is any change in the delivery date provided in the contract and the reason behind the change in delivery date.



**APPENDIX A**

**MINIMUM SPECIFICATIONS FOR NEW ENGINE FOR PINEVIEW VOLUNTEER FIRE DEPARTMENT**

**NEW ENGINE PROPOSAL SPECIFICATIONS**

If the unit is non-compliant on any of these specifications as outlined in Appendix "A", then the third column on this form MUST be completed detailing what the variation being supplied is and the reason for the variation.

		Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
<b>CAB &amp; CHASSIS</b>				
1.	<p>Two (2) door commercial chassis with crown cab, enclosed top pump panel. There will be seating provided for two (2) in the front of the cab plus four (4) in the crown. State what is being provided _____.</p> <p>In-seat Scott SCBA stations to be provided in all seats except for the driver's seat and the officer's seat. A cab-over design cab and chassis is strongly preferred in order to maintain consistency with the fire department's fire apparatus fleet. State make and model of cab and chassis being provided _____.</p> <p>Center cab console to be provided in front of cab, with storage area.</p>			
2.	Headlights to be LED.			
3.	Air ride driver's seat.			
4.	Side windows to be electrically controlled. Officer's seat to have a switch within easy reach for the Officer's side window. Driver to have the ability to control both the Driver's side window and the Officer's side window. Switches to be within easy reach of driver.			

	Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
5. All seating positions to be BC WCB compliant. Whiplash protection must be provided for a fire fighter having a height of 6'5" at a minimum. The seats providing whiplash protection must provide support to the head. The height of the back of the seat, or adjustable headrest, must be such that the top of the seat or headrest is above the top of the fire fighter's ear (perpendicular to the seat).			
6. Fuel filter with primer pump, or electric primer pump to be provided. Prefer Racor. State what is being provided _____.			
7. 400 HP minimum. Fire service application, with synthetic oil, diesel. A Mercedes engine will not be accepted. State brand of engine being provided _____.			
8. State the torque being provided by the engine _____.			
9. Fuel tank to be as large as possible. Prefer a 200 liter tank. State capacity being provided _____.			
10. Fire Department to be supplied with all of the equipment needed to do manual re-generation of exhaust, unless an engine without a re-generation system can be purchased.			
11. DEF fluid tank to be located so as to not freeze.			
12. Sun visors both sides.			
13. Park brake warning light.			
14. Engine hour gauge.			

		Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
15.	Heater and defrosters to have maximum output available.			
16.	Cab sound proof to 80 dbls.			
17.	Minimum of one (1) hand rails at each door, prefer minimum 30" of usable rail. State what is being provided _____.			
18.	Interior map reading light to be red with high and low settings. To have standard bulbs for easy replacement of bulbs.			
19.	Crown cab and truck cab to be climate controlled, both heated and air conditioned. Provide supplemental heater/air conditioner for crown cab if required. If supplemental heater or air conditioner is being provided in quote, state what is being provided _____.			
20.	Crown cab to have two (2) "defrost fans", one on each side of pump panel.			
21.	Crown cab portion to have as many windows as possible.			
22.	Crown cab door windows to have sliders with screens.			
23.	Crown cab steps/stairs to be a minimum tread of 12" deep.			
24.	Crown cab steps/stairs to be anti-slip material.			
25.	Master battery disconnect switch installed in cab. Location to be finalized at pre-construction meeting.			
26.	Mud flaps for both axles.			

		Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
27.	Clear emergency lights, headlights and wig wags to shut off when parking brake is applied.			
28.	Two (2) tow loops installed at front of truck attached to frame.			
29.	Two (2) tow loops installed at rear of truck attached to frame.			
30.	If required by engine manufacturer, provide block heater with shoreline connection (1000 watt or less). Not to be auto eject. To be located by driver's door. To be thermostatically controlled. State if a block heater is being provided _____.			
31.	Safety warning system, to meet NFPA standards.			
32.	Auxiliary engine cooler.			
33.	Air filter restriction gauge mounted in engine compartment.			
34.	High idle switch with cruise control option.			
35.	Exhaust to discharge to right side ahead of rear wheels.			
36.	Provide minimum of 270 amp alternator, must be available in BC, or dual alternators, whichever is better for running all possible LED and emergency lights at once.			
37.	Provide three 12 volt batteries at a minimum, to be heavy duty commercial batteries. Provide receptacle for Emergency Jump Start cables.			

		Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
38.	Allison 3000 EVS automatic transmission or better, set-up for the fire service, electronic shift selector, with synthetic oil. Programmed for 5-4-3-2 auto downshift.			
39.	Dual air horn, to be controlled by both driver and officer seats; lanyard controlled, location to be determined at pre-construction meeting. To be controlled at pump panel location as well by a lanyard.			
40.	Air horn to be fender mounted or roof mounted. State what is being provided in quote _____.			
41.	Dual bright mirrors heated and remote controlled, with 8" bottom convex.			
42.	Steering wheel to be tilt and telescoping.			
43.	All wiring to be protected by auto-resetting circuit breakers.			
44.	Full line of dash gauges to be provided.			
45.	Built-on wheel chock storage to be provided on exterior of body.			
46.	Supply aluminum wheel chocks.			
<b>AIR BRAKES</b>				
1.	ABS air brakes with auto slack adjusters. Haldex or Meritor required.			
2.	Bendix AD-9 air dryer with heater with heater to be provided.			
3.	Air compressor 18.7 CFM or larger.			

		Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
4.	Pressure relief valves on air compressor and air dryer.			
5.	Service brake relay valve.			
6.	Spring brake relay valve with anti-compound.			
7.	NFPA rapid air build-up system, with shoreline air connection, with check valve on air tank, located by driver's door.			
8.	Spring brake modulation valve.			
9.	S-cam brakes front and rear, extended life rated preferred. State what is provided on the Freightliner cab and chassis _____.			
10.	Prefer front air brakes to have a minimum 16.5 x 6 size brake shoes. To have non-asbestos brake lining. State what is being provided _____.			
11.	Prefer rear air brakes to have a minimum 16.5 x 7 size brake shoes. To have non-asbestos lining. State what is being provided _____.			

		Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
<b>AXLES – FRONT AND REAR</b>				
1.	Manufacturer to recommend minimum front axle rating required. Axle and suspension must be rated higher than the heaviest loaded weight at a minimum. Eaton or Meritor is preferred. State what brand and size of axle is being provided _____.			
2.	24,000 lb. minimum rear axle rating required. Axle and suspension must be rated higher than the heaviest loaded weight at a minimum. Rear axle ratio to be set for maximum speed of 130km/hr. Eaton or Meritor is preferred, state what size and brand of axle is being provided _____.			
3.	Prefer that the loaded weight of completed unit not to exceed 24,250lbs (or 11,000kgs) on the rear axle. State what the estimated total loaded weight will be: On the front axle: _____ On the rear axle: _____			
4.	10 stud pilot hubs with steel brake drums; front and rear.			
5.	Front and rear dust shields.			
6.	Mud and snow tires to be provided. Front tires to be steering tread, prefer Michelin XZA-1 and prefer rear tires to be Michelin XDN-2. State what is being provided _____.			
7.	Tires and rims to match axle ratings. Rims to be aluminum. State the brand of rim that is being provided _____.			
8.	Self deploying On-Spot tire chains for rear axle to be included.			

		Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
9.	Driver controlled differential lock up with dash light.			
<b>DIMENSIONS – State actual measurement in blank provided.</b>				
1.	State total width of unit: _____.			
2.	State total loaded weight of unit: _____.			
3.	State actual wheel base of unit: _____.			
4.	Entire length of equipped unit not to exceed 33", including ladders. State actual overall length of unit: _____.			
5.	State actual overall height of unloaded unit: _____.			
6.	State actual width allowance provided for walkway at pump panel: _____. Minimum width required is 27".			
<b>FIRE PUMP</b>				
1.	Hale 1250 IGPM single stage, midship fire pump, split shaft driven through vehicle drive line. No exception. Shaft to have bearings at both ends.  NOTE: Apparatus will operate in Prince George, which sits at an elevation of 2540'.			
2.	Submit driveline analysis with bid. No exception.			
3.	Minimum 1710 driveline.			



		Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
<b>PLUMBING AND CONTROLS</b>				
1.	Aluminum pump module with stainless steel panels.			
2.	Panel layout to be color coded and labeled. Colors to be strong contrast for better visibility at night.			
3.	Pump access panels at front and on sides of module. Top side panels to be hinged.			
4.	Top mounted pump panel with lever controls. Rods are required.			
5.	Prefer that all plumbing and valves to be galvanized steel. State what is being provided _____.			
6.	Two (2) 6" suction intakes, one (1) located on each side of pump panel. Both 6" intakes to come with electric valves located inside of pump panel, electric control at pump panel. To include two (2) adaptors from 6" steamer port to 4" Storz. Electric valves to be Hale Master Intake Valves, or comparable type of valve, on both sides, with gauges on pump panel and bleeder valves to be located at the valve and on the pump panel for both 6" suction. Bleeder valves are to exhaust outside of the pump panel, within sight of the pump operator. State what brand of MIV is being provided _____.			
7.	One (1) 4" gated intake, with electric valve, located at rear of truck. Valve to be operated from pump panel. Valve to have gauge located at pump panel, to have bleeder valve at pump panel, discharge of water to be within sight of pump operator. 4" Storz to be provided.			

	Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
<p>8. Pre-connect hose lays are to be crosslays, to be housed in a pull-out tray that is accessible and can deploy the hose lays from either side of the truck. The hose tray is to be able to be pulled out on either side of the truck. The hose lays and tray are preferred to be located approximately at waist height. Hose tray to hold three pre-connect crosslay hose lines with dividers, as detailed in Line 10 and Line 11 below. Please indicate exact location of hose tray and crosslays.</p>			
<p>9. Provide for two (2) 1¾" crosslay preconnect lines, to be housed in the hose tray referred to in Line 10. Each preconnect hose bed must be designed to hold 200' of 1¾" double jacket structural fire hose. Hose lays to be accessible from both sides of the truck. Width of each hose bed to be wide enough to provide ample room for nozzle and handle of nozzle. Exact width to be discussed and finalized at preconstruction meeting.</p>			
<p>10. Provide for one (1) 2½ " crosslay preconnect line, to be housed in the hose tray referred to in Line 10. This preconnect hose bed must be designed to hold 200' of 2½ " double jacket structural fire hose. Hose lay is to be accessible from both sides of the truck. Width of the hose bed to be wide enough to provide ample room for nozzle and handle of nozzle. Exact width to be discussed and finalized at preconstruction meeting.</p>			
<p>11. Provide one (1) 2½" gated discharge, with valve, on left side, with 30 degree elbow.</p>			
<p>12. Provide one (1) 2½" gated discharge, with valve, on right side, with 30 degree elbow.</p>			
<p>13. Provide one (1) 2½" gated discharge, with valve, at rear of truck, with 30 degree elbow.</p>			
<p>14. All valves to be located inside of heated pump compartment.</p>			

		Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
15.	Control of all valves to be at pump panel.			
16.	Provide one (1) 3" tank fill, with electric valve, electric control on pump panel.			
17.	Provide one (1) 4" tank to pump (tank suction), with check valve, with electric valve, electric control at pump panel.			
18.	Foam system to be provided; Foam Pro 2001 or better for Class A and Class B foam (tank to be provided). Pineview VFD uses Fire Aid dual purpose foam.			
19.	Foam is to be plumbed to the two 1¾" preconnect lines, to one 2½" preconnect line, and to the rear 2½" discharge.			
20.	One (1) 30 gallon foam tank to be provided and installed. Tank to be located at top of pump behind the pump panel. Tank location must be planned for with the idea of providing easy accessibility for filling of the foam tank. Final location of tank to be discussed at pre-construction meeting.			
21.	One (1) 2½" direct tank fill to be provided at rear of truck. To be controlled at rear of truck with butterfly valve.			
22.	Heater to be below pump area. Belly pan to be easily removable. State type and size of heater being provided _____.			
23.	Heated and closed in pump compartment, with easy access panel for maintenance.			
24.	Intelli-tank water tank and foam tank gauges. Class 1 gauges preferred. State what type of gauges are being provided _____.			

		Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
25.	Provide electronic pump discharge pressure control system. State what is being provided _____.			
26.	Provide engine throttle/pressure relief system. State what is being provided _____.			
27.	Provide electric engine display. State what is being provided _____.			
28.	Control of all valves at pump panel.			
29.	Pump pressure and compound gauges to be 4.5", if these pressure readings are not already being provided on the electronic control system. If gauges are being provided state what type is being provided _____.			
30.	All discharge gauges to be 2.5", mounted above the lever control. State brand of gauge being provided _____.			
31.	All gauges to be in Imperial units only.			
32.	Thermo relief valves on pump.			
33.	Maximum panel lighting with switch on panel. Lighting to be provided will be Amdor Luma Bar LED lights.			
34.	Fan control switch for pump compartment heater.			
35.	Switch for pump compartment light, to be located at pump panel.			
36.	Primer control. Primer to be electric and oil-less.			

		Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
37.	Engine cooler control valve.			
38.	Pump hour meter (if not already provided in the electronic control system).			
39.	Test Ports: Pressure/Vacuum gauges.			
40.	All valves to be Akron or Elkhart valves. State what is being provided _____.			
41.	All valves (discharges and intakes) to have bleeder/drain valves to drain hose pressure, located at valve, including the preconnects. Bleeder discharges to be within view of the pump operator.			
42.	Bleeder valves to be provided at the pump panel for all 4" intakes, discharge of water to be within view of the pump operator.			
43.	Layout of discharges and intakes to be identical on both sides of truck where possible.			
44.	Prefer weather stripping to be provided around pump control handles.			
<b>HOSE BED</b>				
1.	Four (4) adjustable and removable hose bed dividers.			
2.	Interlocking plastic grating on floor – turtle tile, to be loose on floor and removable for ease of cleaning. Grating to have small sized holes.			
3.	To be of such a design as to ensure that no sharp edges or angular bolt heads will be in contact with the hose in the hose beds.			

		Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
4.	To be capable of storing at a minimum: two lays of 300' of 1 ½" forestry hose, 500' of 2 ½" double jacket fire hose, and 400' of 1 ¾" double jacket fire hose.			
5.	Vinyl hose bed cover, prefer large velcro strap fasteners at rear of truck. Button snap closures will not be accepted. Bungee cord style cover secure system with hooks along top sides of body is required. Color to be black.			
<b>BODY</b>				
1.	Modular 1/8 <sup>th</sup> H32 5052 aluminum body.			
2.	Department prefers that the compartment layout of the truck be as similar as possible to their existing engine. Pictures are available for reference in Appendix "D" of this RFP document.			
3.	Top compartments each to have a single door that opens upwards. There will be two (2) top compartments on the right side of truck and two top compartments on the left side of the truck.			
4.	Bottom compartments to each have two (2) doors that are "barn door" style openings. There will be two bottom compartments on the right side of the truck and two bottom compartments on the left side of the truck.			
5.	Rear compartment (B1) to have two (2) doors that are a "barn door" style opening.			
6.	All compartment latches are to be D-Ring style latches.			

	Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
<p>7. Front left side top compartment to have tracks and brackets to fit as many Scott SCBA packs as possible. Brackets to be moveable side to side. State how many are being provided _____.</p> <p>Bottom portion of this top compartment to store spare Scott SCBA air bottles (in a "wine-rack" storage method). State how many storage spaces can be provided _____.</p>			
<p>8. Front left side bottom compartment to have two (2) roll out trays located in the upper portion of this compartment. Each tray is to be 4" high, to store hose appliances, accessories, etc. Would prefer the roll out trays to be height adjustable if possible.</p> <p>State if this is being provided _____.</p>			
<p>9. Rear left side top compartment to have tracks and brackets to fit as many Scott SCBA packs as possible. Brackets to be moveable side to side. State how many are being provided _____.</p> <p>Bottom portion of this top compartment to store spare Scott SCBA air bottles (in a "wine-rack" storage method). State how many storage spaces can be provided _____.</p>			
<p>10. Rear left side bottom compartment to have a slide out tray.</p>			
<p>11. Front right side top compartment to have three (3) adjustable and removable shelves.</p>			
<p>12. Front right side bottom compartment to have two (2) slide out trays. Exact location of slide out trays to be determined at the preconstruction meeting.</p>			
<p>13. Rear right side top compartment to have three (3) adjustable and removable shelves.</p>			

		Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
14.	Rear right side bottom compartment to have a heavy duty slide out tray for a generator.			
15.	Back compartment (B1) to be as tall/high as possible, to have a slide out tray installed in the bottom of the compartment. To have "barn door" style doors. Latches to be D-Ring.			
16.	Fire Department would like as many compartments as possible. Compartments to be as deep as possible in order to take advantage of as much storage space as possible. Manufacturer is encouraged to be creative to take advantage of vacant space and suggest additional compartments.			
17.	Compartment door ajar indicator light and alarm in chassis cab that indicates when there is a compartment door that has not been completely latched. To operate only when the park brake is released.			
18.	All compartment floors and shelves to have easily removable plastic interlocking tiles, loose on floor, and removable for ease of cleaning. To be sweep-out design.			
19.	Air vents to be in each compartment.			
20.	Floors built to prevent "oil canning".			
21.	State the rated weight capacity of the compartments _____ lbs.			
22.	State rated weight capacity of the shelves _____ lbs.			
23.	State rated weight capacity of slide out trays _____ lbs.			



		Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
24.	Sweep out compartment floors with bottom edge lower than compartment floor. No exception.			
25.	Wiring for a 6500 watt Honda generator to be provided in the lower right rear side compartment (12 volt for generator starter and 220 volt to electric panel).			
26.	Provide two (2) side body 110 volt AC duplex outlets, one to be located on each side of body at pump panel, to be 110V 15amp twist lock style.			
27.	Provide two (2) rear body 110 volt AC duplex outlets, to be 15amp twist lock style.			
28.	Provide one (1) 50" long pry bar. To be located at rear of truck, final location to be determined at the pre-construction meeting.			
29.	Aluminum diamond plate protection panels for the body.			
30.	Rub rails with reflective tape. State what is being provided _____.			
31.	Handrails, steps, tow eyes, and mud flaps to conform to ULC and WorkSafe BC standards.			
32.	All wiring on body to be hard wired. No multiplexing.			
33.	Prefer to have wires permanently heat ink embossed with both number and function codes. State what is being provided _____.			
34.	Lights installed in the pump compartment. Lights to be LED.			
35.	Provide siren amplifier; electric, with PA and microphone, state what is being provided _____.			

		Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
36.	Horn function to control electric horn or air horn, or hands-free for siren operation.			
37.	Two (2) 100 watt speakers installed in the front bumper (includes PA system). To meet needs of recommended siren.			
38.	Tailboard to be adequate in depth for safety of fire fighters standing on tailboard.			
39.	Full width 8" step, located above rear compartment, for fire fighters to stand on while assisting in loading of hose into hose bed.			
40.	Aluminum rear wheel liners to be provided.			
41.	There will be handrails on rear beaver tail so that there are grab rails for when tele-lights are removed.			
42.	Hydraulic operated ladder rack to be on the right side of the unit and to hold one (1) 14' roof ladder, one (1) 24' two-section ladder, four (4) 2½" hard suction hoses 12' in length, and one (1) folding attic ladder.			
43.	Provide audible alarm and flashing light indicator for when ladder rack is being lowered or raised.			
44.	Entire under portion of the body, cab and chassis to be undercoated.			
45.	Lighting in all compartment areas to be provided by Amdor Luma Bar LED lights controlled by the compartment door opening. Lights to be mounted so that the entire compartment and each shelf area are lit. Lighting to be mounted on both sides of each compartment.			

		Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
<b>WATER TANK</b>				
1.	1000 Imperial gallons with 6" overflow.			
2.	To be constructed of Polypropylene to conform to ULC and NFPA standards.			
3.	Lifetime warranty against corrosion. No exception.			
4.	Tank drain and valve.			
<b>EMERGENCY EQUIPMENT</b>				
1.	All to conform to ULC standards. No exception.			
2.	Emergency lights to be controlled by individual switches, as well as to be able to be turned all on/off with one (1) master switch.			
3.	LED lights to be used throughout, where possible, and arrow directional where appropriate.			
4.	LED roof bar. State make and model _____.			
5.	Manufacturer shall provide a "Certification of Compliance" of the warning system.			
<b>MISCELLANEOUS</b>				
1.	Please advise in each case of make and model of specified equipment being provided in your quote, where applicable.			

		Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
2.	Apparatus to be pre-wired for two (2) VHF radios. Two heads to be located inside of cab, two heads to be located at the pump panel.			
3.	Must meet all DOT and CVIP standards for reflectors and lighting.			
4.	Back up alarm to be provided.			
<b>GENERATOR / LIGHTING</b>				
1.	All ground lighting to illuminate automatically when the park brake is applied. All ground lighting to also be controlled by a switch in the cab.			
2.	Two (2) LED Akron SceneStar telescoping 110 volt LED lights will be installed; one (1) on each side of the pump panel with warning light/indicator in cab when lights extended. To be directly wired to breaker box, with a breaker for each light.			
3.	Ten (10) breaker circuit panel, NOT to be located in the generator compartment. Final location to be determined at pre-construction meeting.			
4.	Rear traffic advisor to be provided. Location of control to be in cab.			
<b>PAINTING</b>				
1.	Truck to be one color, GREEN; fire department to supply color code.			
2.	Reflective striping to be provided, with Canadian Flag incorporated into striping.			
3.	Body undercoating of entire under portion of body, cab, and chassis.			

		Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
4.	Chevron striping on rear of truck. Final layout to be determined at preconstruction meeting.			
<b>EQUIPMENT</b>				
1.	Two (2) fire axe holders to be provided. One (1) to be located on each side of the rear compartment barn doors. Location must not interfere with safe accessibility for mounting and de-mounting steps at rear.			
2.	Built on hose wrenches, one (1) set mounted on each side of pump panel, and at rear of truck. To fit two (2) wrenches on each mount, plus hydrant wrench. Hose wrenches to fit 2 ½" couplings and 4" storz.			
3.	Two (2) 20lb ABC fire extinguishers to be provided and to be mounted on apparatus (exact locations to be determined at pre-construction meeting).			
4.	Provide a pole, to be mounted on the apparatus, to store twelve (12) pylons.			
<b>BID TO INCLUDE</b>				
1.	Number of service vehicles _____.			
2.	Confirmation that the proponent's service is not third party.			
3.	A label or decal on truck that indicates recommended fluid levels and types. Fire department to advise location of decal at preconstruction meeting.			
4.	Complete set of maintenance, service, and repair manuals for all equipment, including, but not limited to; cab, engine, pump, axles, generator, etc.			

		Compliant	Non-Compliant	State the variation being supplied if line item is non-compliant
5.	Details of service facility, hours of operation, size, locations, number of bays, paint, and body capabilities.			
6.	A weight balance calculation.			
7.	A driveline analysis of a typical installation.			
<b>DELIVERY DATE</b>				
1.	Completed unit to be delivered to the Pineview Volunteer Department in the spring of 2018. Please provide delivery date in area specified in Appendix "B".			



**APPENDIX B**

**SCHEDULE OF PRICES FOR APPENDIX A – MINIMUM REQUIREMENTS**

Price submitted below reflects the full cost, excluding taxes, of the New Frontline Engine for the Pineview Volunteer Fire Department as specified in RFP CS-16-10 Appendix "A" "Minimum Requirements". This price sheet must accompany the bid package submitted.

Contract Price (not including taxes)	\$ _____
GST	\$ _____
PST	\$ _____
Other (please specify)	\$ _____
TOTAL	\$ _____
Delivery Date	_____
Nearest Service Facility	_____

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date



**APPENDIX C**  
**OPTIONAL EQUIPMENT**

		<b>Price (excluding taxes)</b>
1.	Four-door custom cab, with minimum 10" raised roof. There will be seating provided for six in the cab. In-seat Scott SCBA stations to be provided in all seats except for the driver's seat and the officer's seat.	
2.	Cost to provide permanent mounted electric cord reel for 110 volt, to hold 200' of 10 gauge cord, cord to be twist lock style, to be mounted in top of rear (B1) compartment.	
3.	Cost to have the pump, valves and piping to be painted black.	
4.	Cost to provide a 6500 watt Honda generator.	
5.	Cost to provide a ten (10) breaker circuit panel, NOT to be located in the right side rear bottom compartment. Final location to be determined at preconstruction meeting.	
6.	Cost to provide fire service attic ladder.	
7.	Cost to provide 24' fire service extension ladder.	
8.	Cost to provide two (2) fiber glass pike poles.	
9.	Cost to provide six (6) Scott 2.2 air packs, including six (6) Scott carbon fiber air bottles.	
10.	Cost to provide rear ladder to access the hose bed.	
11.	Cost to provide Foam Pro auto fill system for foam tank.	
12.	Cost to paint the interior of all compartments, color to be yellow or lighter color.	
13.	Cost to install two dual head radios; two in cab and two at pump panel.	



**APPENDIX D**  
**PREFERRED COMPARTMENT LAYOUT DESIGN**



