



## Request for Proposal

The Timber Mesa Fire and Medical District (TMFMD) is seeking proposals for one NFPA compliant custom cab 4x4 pumper that includes but not limited to the following specifications:

- Dimensions not to exceed:
  - 32' in length
  - 11' in height
  - 101" wide excluding mirrors
  - 180" wheel base
- Pump and tank:
  - Minimum of a 1500 GPM mid mount pump preferred Hale but Waterous acceptable.
  - Automatic intake relief valve.
  - Primer shall be oil-less with control located on driver side pump operator's panel.
  - 6" intake on both officer and driver side.
  - One TFT intake valve model NX-RC. Intake will be located on officer side and controls for valve shall be located on operator pump panel.
  - 2 ½" intake located on both officer and driver side.
  - One 2 ½" direct tank fill located on rear of pumper.
  - 750 Gallon poly tank minimum but 1000 gallon is preferred
  - Class A Foam Pro 2000 series or higher with max 20-gallon tank.
  - Side panel with controls on driver side.
  - The handles shall be in the lever style and color coded (colors select during pre-construction).
  - Panel shall be black line-x.
  - Two 1 ¾" pre-connected slide-out speedlays located above pump or adjacent to panel closest to the cab both having foam capabilities.
  - One 2 ½" discharge located on driver side.
  - One 2 ½" discharge located on officer side.
  - One 4" discharge located on officer side with controls on the driver side with minimum 3" plumbing.
  - Two 2 ½" Plumbed in the hose bed with foam capabilities.
  - One 1 ¾" in the bumper with foam capabilities with 2" plumbing. A connection in the hose bed inside the compartment in the bumper.



# TIMBER MESA FIRE and MEDICAL DISTRICT

[www.TimberMesaFire.org](http://www.TimberMesaFire.org)

- One deck gun with 3-4" plumbing.
- All valves to be Akron.
- Powertrain
  - Minimum of a 450 horsepower diesel engine, ISL Cummins preferred.
  - Engine compression brake with three levels.
  - High idle control.
  - Diesel Exhaust Fluid tank shall be a minimum of five gallons.
  - Automatic Allison Transmission six speed 3000 EVS.
  - Transfer case 4x4 system.
  - All wheels shall be aluminum wheels and tire shall be All terrain tread pattern.
- Electrical
  - Shall be a 12 volt starting system.
  - Minimum 270 amp alternator.
  - Wiring shall be multiplex.
  - Multifunction display screen on both Officer and Driver sides.
  - Warning lights shall be LED further below.
  - All cab lights shall be LED.
  - Compartments lights shall be strip LED.
  - All DOT lights shall be LED.
  - LED Arrowstick on the rear.
  - One Q2 mechanical siren with controls to be mounted in cab, driver side and officer side with a siren brake.
  - One electric siren with electric air horn, wail, yelp, and hyper yelp. Speaker to be located in front bumper.
  - Steering wheel controls with electric siren, Q2 and airhorn.
  - Airhorn x2 with driver and officer controls
  - Kussmaul Autocharge located on driver side.
  - 10 KW generator located in crow's nest. Provide pricing option for an auxiliary power unit. We want a timer to be set when the truck is at idle for more than five mins to have the generator take over and shut down the engine of the apparatus(to save on idle time). Allow this system to have an auto function to take over all electrical functions and environmental controls.
  - 200' cord reel with 12/3 wire, location to be discussed in pre-construction.



# TIMBER MESA FIRE and MEDICAL DISTRICT

[www.TimberMesaFire.org](http://www.TimberMesaFire.org)

- Wiring for TIC, radios, flashlights, and radio chargers, and MCT terminal to be hot with shoreline and ignition. Layout to be discussed in pre-construction.
- Cab:
  - Minimum of six seat positions. Five seats (including officer seat) shall have SCBA locking system adjustable to all SCBA brands. Both the driver and officer seat shall be air suspension seats. There shall be a storage compartment under both officer and driver seat.
  - Four wired and two wireless headsets shall be installed with an intercom system with one wired and one wireless will have the option to transmit on the radio. Prefer Rugged brand or provide option for comparable brand.
  - Cab noise level shall not be over mid 70s decibels at 65 mph.
  - Wiring installed to allow for two VHF radio 30 AMP each.
  - 20 AMP Wired to the rear of the cab near the metal plate on the dog house.
  - Center dog house shall have a metal plate on top to mount chargers and etc. to allow for the wiring to be ran underneath. The finish shall be non-slip textured paint.
  - Wiring and docking station installed for mobile computer terminal.
  - Four (4) 12 volt and USB points shall be provided. Location to be discussed during pre-construction.
  - One AM/FM with Bluetooth with four overhead speakers.
  - Four cup holder. Location to be discussed during pre-construction.
  - HVAC severe duty, "AZ package" system to properly heat and cool entire cab including defroster.
  - Cab shall be a full tilt style hydraulic system. The cab tilt angle shall be no less than that to facilitate engine maintenance and possible removal. The mechanical stay arm shall be on the same side as lift controls.
  - Cab paint shall be two-tone White over red. Striping 1/2"x 4"x 1/2" straight White exact location will be discussed in pre-construction.
  - Cab shall be raise 10"-12".
- Apparatus lights:
  - 72" LED Light bar Assorted with blue, red, and white with clear lens
  - Allowance for six (6) M6 (or comparable) LED blue.
  - Allowance for four (4) M6 (or comparable) LED Amber.
  - Allowance for four (4) M9 (or comparable) LED Blue.



# TIMBER MESA FIRE and MEDICAL DISTRICT

[www.TimberMesaFire.org](http://www.TimberMesaFire.org)

- Allowance for three M9 (3) (or comparable) LED Red.
- Allowance for two (2) M7 (or comparable) LED Red.
- Allowance for two (2) M7 (or comparable) LED Blue.
- Four (4) M9 (or comparable) LED scene lights located on both side of body module specific location to be determined at pre-construction.
- LED Arrowstick on the rear.
- Two (2) LED scene lights rear of hose bed.
- LED Brow light for the front of the cab.
  
- Body Module
  - All compartments shall be grey Line-X finish. Compartment lighting shall be LED. All floors, trays and shelves shall include turtle tile. All compartments shall be designed in detail during pre-construction. All compartments shall be designed to optimized available cubic inches.
  
  - L1
    - Roll up door.
    - Pump display with valves handles (lever style) and all gauges.
    - Two slide out trays.
    - One adjustable shelve.
    - Fold down step.
  
  - L2
    - Roll up door.
    - Allowance for swingout aluminum tool board.
  
  - L3
    - Roll up door.
    - Allowance for one adjustable shelve and two rollout tray.
    - Fold down step.
  
  - R1
    - Roll up door.
    - Allowance for two slide trays.
    - Dual climate control medical cabinet MK 20 SS-R; CLIMATE CONTROLLED, COMPRESSOR REAR, HINGE RIGHT, STD LOCK
    - Lock for the drug box COMPX ELOCK EL-KP-CAB KEYPAD CABINET LOCK.
    - Power strip 120 volt constantly energized.
    - Cabinet for captain's gear on the bottom Right.
    - Fold down step.



# TIMBER MESA FIRE and MEDICAL DISTRICT

[www.TimberMesaFire.org](http://www.TimberMesaFire.org)

- R2
  - Roll up door.
  - Allowance for out and down.
  - Power strip 120 volt constantly energized.
- R3
  - Roll up door.
  - Allowance for two out and down and one rollout tray
  - Fold down step.
  - 200' cord reel will drop down but set in the coffin space above the compartment.
- T1
  - Roll up door
  - Allowance for one rollout tray
- Top hatch compartment, on each side of the apparatus
  - Two door diamond plate hinged to the outside with lock open hardware. No center bulk head uni-strut for dividers. LED lights in the storage space.
- Internal ladder storage
  - One 24' aluminum two section extension ladder.
  - One 14" aluminum roof ladder.
  - One 10' aluminum folding ladder.
  - Three (3) pike pole tubes. Exact location to be determined during pre-construction.
  - One back board storage.
- Hose bed shall be divided into three sections with a bi-fold diamond plate cover with lock open hardware. LED Lights inside the hose bed
  - Able to hold 1000' of 5"LDH supply hose.
  - Two 200' 2 1/2" hose bed that are pre-plumbed. Connection shall be recessed at rear of truck to allow for rear cover to lay flat when closed with foam capabilities.
- Must include two 6"x10' sections of hard suction. Hard suction must be enclosed and accessible from rear of apparatus. Hard suction doors shall be painted to match or chevron.
- SCBA air bottle compartment to hold three bottles officer side in front and behind of rear wheel in rear wheel well compartments.
- Dry chemical extinguisher and pressurized water extinguisher compartment on the driver side in rear wheel well compartment behind the rear wheel.



# TIMBER MESA FIRE and MEDICAL DISTRICT

[www.TimberMesaFire.org](http://www.TimberMesaFire.org)

- SCBA complete storage on the driver side in front of the rear wheel in the rear wheel compartment.
- A set of two wheel chocks shall be mounted on driver side, will not hang lower than body.
- Front Bumper
  - Severe Duty bumper wrapped with Chevron to match rear of apparatus.
  - Compartment shall be able to hold 100' of pre-connected 1 3/4" hose.
  - Compartment door shall be aluminum tread plate hinged to the rear of compartment.
  - The 1 3/4" in the bumper with foam capabilities with 2" plumbing. A connection in the hose bed inside the compartment in the bumper.
- **Add alternate (provide pricing options)**
  - Enclose all intakes, discharges and pump panel gauges and valves on both officer and driver side. Doors shall be roll up style with a fold down step on both sides. All valve handles shall remain lever style. This option shall include an internal intake valve with primer on driver side on the external area of internal valve. The officer side shall also have an internal intake valve with control on the driver side. This add alternate shall not increase the overall length of apparatus nor shall this add alternate affect the above listed compartment needs.
  - Two seats in rear containing SCBA locking system shall be in the center forward facing. Two seats on rear wall shall be flip-down and placed either side of forward facing seats.
  - Two interior compartments in center portion of cab. The center windows of cab will be removed and replaced with hinged doors on the officer and drivers side with access from the inside. Compartments shall be sealed and vented to the exterior of the cab. Dimensions no less than: 24" wide by 24" deep and extend to the ceiling. Allowance should be given for one shelf and mounts to be discussed at pre-construction. The interior shall be lit with blue LED lights.



# TIMBER MESA FIRE and MEDICAL DISTRICT

[www.TimberMesaFire.org](http://www.TimberMesaFire.org)

Submittal shall include two sets of: price (including pre-payment option), build time frame, complete apparatus specifications, drawings, and warranty information.

Submittals will be accepted until **3:00pm, October 13th, 2017** and shall be transmitted in a sealed package addressed to Timber Mesa Fire and Medical District, Attention RFP – 4x4 pumper, 3561 E. Deuce of Clubs Show Low, AZ 85901. Any submittal received after the deadline will not be considered.

This RFP is not a binding agreement to purchase goods or services. TMFMD reserves the right not to select any vendor or to reject any or all submittals.

Questions concerning the RFP should be directed to:

Randy Chevalier, Deputy Chief or  
Billy Rova, Fire Fighter  
928-537-5100  
[rchevalier@timbermesafire.org](mailto:rchevalier@timbermesafire.org)  
[brova@timbermesafire.org](mailto:brova@timbermesafire.org)