

# Request For Quote

Four Communities Fire Department - NFPA Tanker/Tender - April 2010

## Summary:

The Four Communities Fire Department requests a budgetary estimate from qualified vendors to provide the Fire Fighting Apparatus described in this document.

This estimate will be used as a budgetary planning number, and in the generation of a grant application. Upon grant award, a detailed specification will be developed and a final sales price will be negotiated.

While not binding, this estimate should be a good faith estimate, and a "Not To Exceed" estimate, based on current market prices, anticipated inflation, and known changes in the standard NFPA, EPA and related compliance areas.

This estimate should be based on a delivery date of late 2010 or early 2011, and include delivery and Site Acceptance Testing at the Department's facility at the address below:

Questions and/or Responses must be directed to:

Deputy Chief Andy Gillis  
Four Communities Fire Department  
4870 North US 1  
Cocoa, FL 32927  
agillis@fourcommunities.com

Vendor's Estimate must be received NLT 21 May 2010.

Quotes based on purely stock trucks will only be considered if they meet all the specifications in this document.

As this project is anticipated to be funded under the Assistance to Firefighter Grant Program, the vendor must agree to the federal requirements for payment on delivery, or provide a sufficient performance bond as part of the estimate.

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## **NFPA Compliant Water Tanker/Tender Preliminary Specifications**

The vendor should indicate which, if any, specification their estimate does not match, and either offer an alternate, equivalent or superior option, or provide details as to why the specification cannot be satisfied.

1. Commercial Chassis
  - 1.1. Manufacturer: International
  - 1.2. Single paint color - Red
  - 1.3. 4-Door Crew Cab
    - 1.3.1. Also price option for Standard and Extended Cab
  - 1.4. 350 hp or greater preferred, Motor Manufacturer to be agreed upon
  - 1.5. Allison Automatic Transmission
  - 1.6. Air Conditioning
  - 1.7. Power windows/locks
  - 1.8. Standard AM/FM stereo
  - 1.9. NFPA Upgrades
    - 1.9.1. Seatbelts, data logger, etc
  - 1.10. OEM Auxiliary in-dash switch panel?
  - 1.11. Console, or under dash storage to accommodate:
    - 1.11.1. Two customer provided two-way radios
    - 1.11.2. Siren and Emergency Light Controls
    - 1.11.3. Map book storage
    - 1.11.4. Portable Radio Storage
    - 1.11.5. Optional dump valve controls and tank level indicator
  - 1.12. Rechargeable Litebox mounted in cab
2. Tank Capacity: 3000 gallons
  - 2.1. Lifetime warranty
  - 2.2. Vendor to specify type, manufacturer, etc (steel tanks will not be considered)
3. Pump: 500 GPM
  - 3.1. Vendor to recommend & specify type, manufacturer, etc
  - 3.2. Pump panel – TBD
  - 3.3. Under-body preferred in order to reduce LOA
4. Pump Discharges
  - 4.1. All discharges to include chrome caps with chain retention
  - 4.2. All discharges shall be mounted as low as possible, and where needed, are to have a 30 or 45 degree elbow to relieve hose stress/kinking
    - 4.2.1. The height from level ground of each discharge to be agreed upon before build
  - 4.3. All discharges to be plumbed with 3” piping (3 desired)
    - 4.3.1. One 3” discharge, to rear of tender to support:
      - 4.3.1.1. One 2.5” rear mounted discharge, male, NHT with ¼ turn valve

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- 4.3.1.2. One 1" discharge ¼ turn valve plumbed to a rear booster reel.
- 4.3.2. One 2.5" discharge, male, NHT with ¼ valve on driver's side of tender
- 4.3.3. One 3" discharge, to front of tender to support:
  - 4.3.3.1. One 2.5" front bumper preconnect discharge, male, NHT with ¼ turn valve plumbed to front bumper hose tray for 50' of 2.5" supply hose
  - 4.3.3.2. One 1.5" front bumper preconnect discharge, male, NHT with ¼ turn valve plumbed to front bumper hose tray for 200' of 1.75" attack hose & nozzle
- 5. Booster Reel
  - 5.1.1. Min 1 inch plumbing with ¼-turn valve at booster
  - 5.1.2. Min 150 foot of standard 1" booster hose, NHT, with pin-hole coupling
  - 5.1.3. Manu: Hannay?
  - 5.1.4. Aluminum or stainless steel
  - 5.1.5. Electric rewind w/ manual handle delivered loose
  - 5.1.6. Appropriate roller guides to permit pulling to rear or either side, and rub protection for any possible body wear points
- 6. Direct Tank Fills
  - 6.1. All direct tank fills shall be mounted as low as possible, and where possible are to have a downward 30 or 45 degree elbow to minimize hose stress/kinking
    - 6.1.1. The height from level ground of each tank fill to be agreed upon before build
  - 6.2. One 5" Storz direct tank fill shall be located at the rear, fitted with a clapper valve, screen, and cap.
    - 6.2.1. A 5" Storz to dual 2 ½ gated wye with NHT female swivels and chrome caps to be included.
  - 6.3. One 2.5" direct tank fill shall be located on the driver's side pump panel.
  - 6.4. A clearly visible plate will be mounted in proximity to each tank fill indicating the maximum pressure and rate for filling the tank.
- 7. Suction
  - 7.1. All suction couplings shall be mounted as low as possible, and where needed, are to have a 30 degree elbow to relieve hose stress/kinking
  - 7.2. One 5" or 6" Steamer inlet with screen on driver's side
    - 7.2.1. With a stainless steel or aluminum piston intake relief valve with 5" Storz inlet.
  - 7.3. One 2.5" NHT female swivel suction on driver's side, with chrome cap and screen and ¼ turn valve
- 8. Dump Valve(s)
  - 8.1. Dump valve type/configuration to be decided upon
  - 8.2. Minimum of one manually operated rear dump with swivel
    - 8.2.1. Side discharges or a rear swivel to meet NFPA
  - 8.3. All dumps must have the ability to dump 100% of the rated tank capacity

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- 8.4. Vendor must specify the dump rate
9. Extended front bumper – 12 inch minimum
  - 9.1. 3” or larger plumbing to front bumper, split into two gated pre-connects:
    - 9.1.1. One 2.5” male fitting with accessible ¼ turn valve
    - 9.1.2. One 1.5” male fitting with accessible ¼ turn valve
    - 9.1.3. Exposed plumbing/valves (if any) to be chrome, similar polished finish, or painted chassis color with automotive grade paint
  - 9.2. Covered Preconnect storage for 50 feet of 3” hose
  - 9.3. Covered Preconnect storage for 200 feet of 1.75” hose & nozzle
  - 9.4. Pre-wired for customer supplied Federal Q2B
  - 9.5. Dual Grover stutter-tone air horns
  - 9.6. Siren speaker (chrome or recessed/hidden)
  - 9.7. Dual tow-hooks or eyes rated for vehicle towing/recovery
  - 9.8. Two chrome, illuminated bumper guides/markers
10. Storage
  - 10.1. Location and size of storage compartments TBD –
    - 10.1.1. Hinged Doors
    - 10.1.2. Vertical Strip Lighting in compartments
  - 10.2. Specify possible wheel well or other storage for SCBA, & or SCBA bottles
  - 10.3. Specify possible wheel well or other storage for Fire Extinguishers
  - 10.4. Specify possible wheel well or other storage for wheel chocks
  - 10.5. High Side, Officers side, Dump Tank storage
  - 10.6. High Side, Driver’s side, hard suction, ladder storage and pike pole storage
  - 10.7. Storage for 200 feet of 5” soft suction (deadload)
  - 10.8. Storage for 300 feet of 3” hose (deadload)
11. Rear Features
  - 11.1. NFPA compliant chevron striping
  - 11.2. NFPA compliant steps &/or ladder to access top of vehicle
  - 11.3. Backup camera mounted with protection against strike/step, with video display in cab.
12. Striping:
  - 12.1. NFPA compliant chevrons to be installed on the rear of the apparatus
  - 12.2. Striping, door decals & lettering format details to be provided
    - 12.2.1. An 8 (eight) inch white reflective strip to be provided along the length of the chassis and body
    - 12.2.2. “FIRE RESCUE” reflective lettering to be embedded in the reflective white stripe on the vehicle chassis area on both sides.

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12.2.3. "FOUR COMMUNITIES FIRE DEPARTMENT" to be lettered across the upper edge of the tank or similar location on both sides in reflective & shadowed lettering

12.2.4. Department logo and lettering to be applied to each front door

12.2.5. 3-Digit Vehicle numbers to be applied to all four sides of the vehicle and the roof.

### 13. Lighting

13.1. NFPA compliant, Whelen, red LED (latest generation)

13.1.1. Details TBD

13.2. Siren – Whelen CenCom Gold or similar

13.3. Scene lighting – min 2 Whelen type floods each to right, left, rear and front

13.4. Tank Level Lights visible from both sides

13.5. Tank Level Lights visible from front & rear

### 14. Tools/mounts:

14.1. Dual spanner and hydrant wrench mounted on rear of truck

14.2. Dual spanner and hydrant wrench mounted near pump panel

14.3. Dual spanner wrenches mounted on/near front bumper (tbd)

14.4. Compartment tool board options to be discussed

14.5. Two chrome axe mounts to be provided at locations TBD

## Options:

### 15. Deck Gun

15.1. Pre-plumbed, remote controlled, location tbd

### 16. NFPA (storage for all NFPA required equipment). Provide price with and without the following equipment:

16.1. 200 feet of 2.5 inch hose

16.2. One 200 foot 1.75" hand lines w/ nozzle

16.3. 1 – 6lb Axe

16.4. 1 – Pike Pole (6' or longer)

16.5. 2 – Portable hand lights

16.6. 1 – Dry Chem Extinguisher ( $\geq 80B:C$ )

16.7. 1 – Water Can

16.8. 2 – SCBA's w/ spare cylinder (at least one per seat, 2 min)

16.9. 1 – First Aid Kit

16.10. 1 – AED

16.11. 2 – Mounted spanner wrenches

16.12. 1 – Mounted hydrant wrench

16.13. 1 – F-F 2.5" adapter

16.14. 1 – M-M 2.5" adapter

16.15. 2 – Wheel chocks

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- 16.16. 2 – Traffic vests (at least one per seat, 2 min)
- 16.17. 5 – Traffic Cones
- 16.18. 5 – Flares
- 16.19. 1 – Rubber mallet
- 16.20. Adapters
  - 16.20.1. 2.5” NHT to 5” Stortz
  - 16.20.2. 6” Hydrant to 5” Stortz
  - 16.20.3. Two (2) 2.5” NHT Male-male
  - 16.20.4. Two (2) 2.5” NHT Female-Female
- 16.21. Mounting hardware for all adapters, appliances, extinguishers, and loose tools