

SOUTH VALLEY WATER RECLAMATION FACILITY

REQUEST FOR QUOTATION  
NEW TRACTOR-TRUCK  
SPECIFICATIONS

FEBRUARY 2018

## REQUEST FOR QUOTATION

### RECEIPT OF QUOTATION

Quotations will be received by South Valley Water Reclamation Facility at 7495 South 1300 West, West Jordan City, Utah 84084, for the procurement of:

### NEW TRACTOR-TRUCK

In accordance with the Specifications prepared by:  
South Valley Water Reclamation Facility  
7495 South 1300 West  
West Jordan City, Utah 84084

QUOTATIONS WILL BE RECEIVED NOT LATER THAN 4:00 p.m. on February 20, 2017 at the South Valley Water Reclamation Facility located at 7495 South 1300 West, West Jordan City, Utah.

QUOTATIONS MAY BE DELIVERED by certified mail, hand delivered, or emailed to the South Valley Water Reclamation Facility located at 7495 South 1300 West, West Jordan City, Utah. Quotations should be sent to the attention of Taigon Worthen, P.E., email [tworthen@svwater.com](mailto:tworthen@svwater.com) .

### OWNER'S RIGHTS RESERVED

South Valley Water Reclamation Facility, hereinafter called the OWNER, reserves to itself, without condition, the right to reject any or all quotations and to waive any informality or technicality in any quotation deemed in the interest of the Owner.

### SPECIFICATIONS

Tractor-Truck specifications can be obtained at SVWRF from February 13, 2018 through February 20, 2018 during office hours or downloaded from [www.svwater.com](http://www.svwater.com) under Engineering and then Tractor-Truck.

## INSTRUCTIONS TO VENDORS

### **Examination of Specifications**

The submission of a Quotation will constitute an incontrovertible representation by the Vendor that he has examined the Specifications and concurs that they are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for furnishing the Equipment and Services.

### **Interpretations**

All questions about the meaning or intent of the Specifications shall be submitted to the Owner in writing at the email address noted in the Advertisement. Replies will be issued by Addenda posted to South Valley Water Reclamation Facility's website. Questions received on the day of closing for the advertisement may not be answered. Only questions answered by formal written Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

### **Substitute Equipment or Services**

The contract, if awarded, will be on the basis of supplying equipment and Services described and specified. Specific reference to a brand, make, or manufacturer, together with a model or catalog number, in the Specifications, is to denote minimum quality standards of products required. The intent of the Specifications is to set forth and convey to Vendors, the style, type, character, and minimum quality of product required. Equivalent products will be considered by the Owner with the Owner's decisions considered final.

### **Quotation Form**

The Quotation shall be made on the Quotation forms bound herein and in the manner hereafter specified. The Quotation forms shall be completed in ink or by printer, all names must be typed or printed below the signature, and the Quotation forms shall include the name of the Vendor and the date of the submission.

### **Modification and Withdrawal of Quotations**

Quotations may be modified or withdrawn by an appropriate document duly executed and delivered to the place where Quotations are to be submitted at any time prior to the opening of Quotations.

Unauthorized conditions, limitations, or provisos attached to a Quotation will render it informal and may cause its rejection as being non-responsive. The completed Quotation forms shall be without interlineations, alterations, or erasures. Alternative Quotations may not be considered unless called for. Oral, telegraphic, or telephonic Quotations will not be considered.

## INSTRUCTIONS TO VENDORS (continued)

### **Basis of Purchase Award**

The Contract Award will be based on the following criteria:

- Total price.
- The ability to comply or exceed the Specifications.
- Evaluation by the Owner on the ease of operations and maintenance, service representative accessibility, financial capability of the Vendor and manufacturer, physical dimensions and gross weight of the unit, operational and maintenance costs, and overall safety features on the equipment.

At the completion of the evaluation by the Owner, the Owner may award the purchase.

### **Award of Purchase**

Owner reserves the right to reject any and all Quotations, to waive any and all informalities, to negotiate purchase terms with the Successful Vendor, and may disregard all nonconforming, non-responsive or conditional Quotations. Discrepancies between words and figures will be resolved in favor of words. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

Owner may conduct such investigations as Owner deems necessary to assist in the evaluation of any Quotation and to establish the responsibility, qualifications, and financial ability of the Vendor to furnish the Equipment and Services in accordance with the Specifications to Owner's satisfaction within the prescribed time. Owner reserves the right to reject the Quotation of any Vendor who does not pass any such evaluation to Owner's satisfaction.

The purchase, if awarded, will be in the best interest of the Owner. The successful Vendor will be notified following completion of Quotation evaluation.

### **Performance Testing**

Upon delivery of the Tractor-Truck to the Owner, the Supplier shall conduct performance testing. This performance testing will be conducted by the Vendor's operators who are knowledgeable of the Equipment. Performance testing will be required to demonstrate that equipment will meet the performance criteria set forth in these specifications. The performance testing will involve field testing to verify the Tractor-Truck will attach to the Owner's existing trailers, and that all electrical and hydraulic functions operate properly when attached to the Owner's trailers. Full detailed inspection of the Tractor-Truck will be made to assure that there are no mechanical defects from the equipment manufacturer, and that the Equipment is sound.

This performance testing will be conducted at the South Valley Water Reclamation site located at 7495 South 1300 West, West Jordan City, Utah.

In the event that defects in manufacture, workmanship, or performance are determined during the testing, the Vendor will be required to correct these within 15 days of receipt of notice to do such by the Owner and prior to the Owner's final acceptance and subsequent

## INSTRUCTIONS TO VENDORS (continued)

payment. If the Vendor fails to correct any defects, etc. as described above within the 15 day period or refuses to correct them at all, the Owner reserves the right to cancel the contract and terminate the purchase of the Equipment.

### **Operator and Maintenance Training**

The successful Vendor shall, within ten days after acceptance of Equipment by the Owner, provide training to the Owner's equipment operators and maintenance personnel. Training shall include:

- Pre-operational equipment check
- Safe and proper equipment operation
- Post operational equipment check
- Equipment maintenance and lubrication

### **Terms of Payment**

VENDOR shall submit their invoice for payment after delivery, acceptance, and training have been completed. Application for payment will be processed by the OWNER and 100% of the Quotation price shall be paid.

QUOTATION FORM

IDENTIFICATION: NEW TRACTOR-TRUCK

QUOTATION IS SUBMITTED TO:

South Valley Water Reclamation Facility

7495 South 1300 West  
West Jordan City, Utah 84084

The undersigned Vendor agrees, if this Quotation is accepted, to accept a purchase order from OWNER in the form included in the Specifications for the Price and within the Time indicated in this Quotation and in accordance with the Specifications.

Vendor accepts all of the terms and conditions of the Advertisement for Quotations and Specification. This Quotation will remain subject to acceptance for thirty days after the day of closing.

In submitting this Quotation, Vendor represents, as more fully set forth in the Specifications, that:

- (a) VENDOR has examined copies of all the Specifications and of the following Addenda (receipt of all which is hereby acknowledged):

Date	Number
_____	_____
_____	_____

- (b) VENDOR has familiarized itself with the nature and extent of the Specifications, Services, locality, and all local conditions and Laws and Regulations that in any manner may affect cost, progress, performance or furnishing of the Equipment and Service
- (c) VENDOR has given OWNER written notice of all conflicts, errors or discrepancies that he/she has discovered in the Specifications and the written resolution thereof by OWNER is acceptable to VENDOR.
- (d) This Quotation is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation. VENDOR has not directly or indirectly induced or solicited any person, firm or corporation to refrain from quoting; and VENDOR has not sought by collusion to obtain for itself any advantage over any other VENDOR or over OWNER.

VENDOR will furnish the Equipment and Services for the price shown on the attached Price Schedule. Other items of work defined in the specifications, but not listed in the Price Schedule, shall be considered incidental to one or more of the items listed in the Price Schedule and shall be paid for under the item listed to which it is related. Final payment will be based on actual Equipment and Services provided for the prices proposed.

QUOTATION FORM (Continued)

The PRICE SCHEDULE includes one (1) item:

1. New Tractor-Truck:

This item will cover all costs of labor and materials to manufacture the New Tractor-Truck in operational condition with all fluids, lubricants, etc. Installed and delivered F.O.B. to the South Valley Water Reclamation Facility site 7495 South 1300 West, West Jordan City, Utah. All taxes, licenses, fees, transportation/delivery costs, and set up costs will be included in this item. Start-up Services and Field Performance Testing: This item will cover all costs associated with providing these services and field performance testing of the equipment at the South Valley Water Reclamation Facility site as specified herein.

PRICE SCHEDULE

NEW TRACTOR-TRUCK

Price schedule for furnishing the New Tractor-Truck; Start up Services; in accordance with these Specifications. The OWNER, South Valley Water Reclamation Facility, is exempt from paying state and local sales tax. Supplier shall not incorporate this tax into Quotation price.

ITEM	DESCRIPTION	QTY	QUOTATION PRICE
1.	New Tractor-Truck	1	_____
PRICE SCHEDULE TOTAL			_____

VENDOR offers to deliver to the South Valley Water Reclamation Facility site the following item within the following calendar days after receipt of a purchase order.

Item 1	New Tractor-Truck	_____
		Delivery, Calendar Days

QUOTATION FORM (Continued)

Vendor Information:

The Vendor shall furnish the following information along with his Quotation. Failure to comply with this requirement will render the Quotation informal and shall cause its rejection. Additional sheets may be attached as required.

Vendor's name and address:

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Vendor's telephone number: \_\_\_\_\_

Number of years as a Vendor in furnishing New Tractor-Trucks of this type: \_\_\_\_\_

Number of years that manufacturer has built Tractor-Trucks of this type: \_\_\_\_\_

Origin of equipment: \_\_\_\_\_

Communications concerning this Quotation shall be addressed to:

South Valley Water Reclamation Facility  
7495 South 1300 West  
West Jordan City, Utah 84084

Taigon Worthen  
Facility Engineer / Assistant GM  
(801) 495-5469: Office  
Email: tworthen@svwater.com



QUOTATION FORM (Continued)

Warranty Tabulation

WARRANTY ITEM	LABOR COVERAGE DURATION	PARTS COVERAGE DURATION	FULL COVERAGE LABOR-PARTS	EXTENDED WARRANTY AVAILABLE
Complete Tractor (bumper-bumper)				
Chassis including: front axle, steering, frame				
Chassis Electrical				
Engine				
Engine Electrical				
Transmission & Clutch				
Rear Axle				
Tires & Wheels				
Hydraulic PTO System				
Air Brake System				

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Signature of Company Representative

QUOTATION FORM (Continued)

SUBMITTED ON \_\_\_\_\_, 20\_\_\_\_\_

VENDOR \_\_\_\_\_

By \_\_\_\_\_  
Agent Title

Business Address \_\_\_\_\_

\_\_\_\_\_

Telephone Number \_\_\_\_\_ Date \_\_\_\_\_

State Business License No. \_\_\_\_\_

## SPECIFICATIONS

### GENERAL

The SUPPLIER is required to furnish, in accordance with these Specifications at South Valley Water Reclamation Facility site, the following equipment and services:

- One New Tractor-Truck.
- Training services for the equipment supplied.

The New Tractor-Truck shall be manufactured in the United States of America by a manufacturer who has a minimum of THIRTY (30) years' experience building Tractor-Trucks of the same type and size. The SUPPLIER shall provide the names of facilities at which reference Tractor-Trucks are now operating, with contact names and phone numbers.

### DETAILED SPECIFICATIONS AND EXCEPTIONS NEW TRACTOR-TRUCK

ITEM	MIN. EQUIP. SPECIFICATION	YES	EXCEPTIONS
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#### GENERAL

	New Tractor-Truck used to transport existing Trail King or Trinity walking floor trailers for the South Valley Water Reclamation Facility. Intended Service is line haul with some off highway use. Cab Style is to be Conventional with flat glass and a straight hood that is forward tilting. Wheelbase is to be 201" inches from the front axle to the center between the two (2) rear axles. G.C.W. (lbs.) rating will be 80,000 minimum.		
	The Tractor-Truck will meet all DOT regulations.		

#### ENGINE & EQUIPMENT

	New Mack MP-8 diesel engine producing a minimum 505 HP & 1860 ft-lbs Torque @ 2100 rpm.		
	Air Cleaner sleeves of molded rubber with stainless steel clamps.		
	Engine Cooling Fan will have a full fan shroud. The Cooling Fan will be automatic, but will include an operator controlled by-pass to engage the Cooling Fan as determined by operator.		
	Oil filter system will be full flow and be a canister spin on type.		

	Fuel filter will be a FS1000. Mounted in between the fuel tank and the FS1000 fuel filter will be an auxiliary fuel water separator to be mounted on the frame for easy access. The water fuel separator will be a Davco 382.		
	Anti-freeze protection will be good to (-20) degrees Fahrenheit and will be also be of a long life variety with anti-corrosion characteristics.		
	Cooling system Radiator will be 1430 square inch and have removable top and bottom tanks. All connecting hose clamps will be constructed of stainless steel.		
	Engine block heater 110-120 volt/1500 watts.		
	Alternator will have a minimum 130 amp rating.		
	Air Compressor will be a Meritor 18.7 CFM		
	The electrical system is to be 12 VDC with a centralized power distribution point. All relays will be of the plug in style circuit protection for ease of serviceability. All wiring will be color coded and numbered.		
	Batteries will have minimum CCA of 3000 and will be stored in a box with easy access and a manual battery disconnect.		
	A Mack Jake Brake will be installed.		
	The engine will meet all current Federal air quality standards at the time of delivery.		
	Exhaust system will be equipped as a Dual Cab side mount and will include full length muffler shield constructed of stainless steel.		

#### TRANSMISSION & CLUTCH

	The Transmission is to be a Mack M-drive 13 speed with a pump and oil cooler.		
	The Clutch is to be a 17" single plate capable of withstanding the torque produced by the engine.		
	The Clutch cover is to be constructed of cast steel.		
	Release Bearing must be grease able.		
	PTO will be mounted with an air shift, energized from inside the cab by the operator. The PTO will be flanged to accept a direct mounted hydraulic pump. The hydraulic pump will be a "Commercial Pump P75" with a rating of 37 GPM @ 1200 RPM. With 2000 PSI.		

#### HYDRAULIC SYSTEM – WET KIT

	Hydraulic tank capacity will be 80 US gallons.		
	The hydraulic tank will be mounted on the right hand side of the tractor, and will be rectangle in shape and will have a non-skid surface on the top of the tank. The tank will be constructed of metal.		
	The hydraulic system must be able to properly control the operation of the Trail King or Trinity trailers owned by South Valley Water Reclamation Facility.		
	Control of the trailer functions will be accomplished using a hydraulic shuttle valve with a capacity of forty (40) Gallons Per Minute. Two hoses are required to operate the trailers. A pressure supply hose and a return hose. Hoses shall be equipped with quick couplers to match existing SVWRF trailers. Quick couplers shall be ISO-7241 Series A compliant. The Truck shall have a coupling on its pressure supply hose and a nipple on its return hose.		
	Control of the shuttle valve will be accomplished electrically from inside the cab using a stationary 2 position ON-OFF toggle switch.		

#### DIFFERENTIALS REAR AXLE & EQUIPMENT

	Differentials shall have a weight rating of 46,000 pounds minimum and be manufactured by Mack.		
	The gear ratio will be determined by the top speed produced in conjunction with the transmission ratios. Top speed is not to exceed 80 MPH.		
	The power divider must be operated from inside the cab.		
	Rear axles will have a spacing of fifty four (54) inches from center axle to center axle.		
	Magnetic plugs will be installed at the bottom of each differential.		
	Rear brakes are to be 16.5" X 7" with outboard drums for ease of brake lining replacement		
	Automatic slack adjusters will be manufactured by Haldex.		
	Maximum rear axle capacity rating will be no less than 46,000 pounds.		
	Drive Hubs will be a pilot hole design.		

	All four drive wheel brake air chambers shall have 30 X 30 spring brake service assemblies installed.		
	The Rear Axles will have a Mack AL-461 air suspension air bag system, with a capacity of 46,000 lbs.		

#### FRONT AXLE & EQUIPMENT

	Front suspension will be a tapered leaf spring system with a 12,000 pound rating. Shock absorbers will be installed.		
	The Front axle will have a minimum 12,000 pound rating.		
	The Front hubs will be oil lubricated and have a ten (10) hole pilot design.		
	Automatic slack adjusters will be manufactured by Haldex.		
	Power steering will be a single gear design with a maximum capacity of 13,200 pounds.		
	Front axle brakes are to be 15 inches X 4 inches with outboard drums for ease of brake lining replacement.		
	Front axle brakes are to have installed a proportioning valve for correct air application during braking without a trailer.		

#### WHEELS & TIRES

	All wheels will be steel disc style, painted white and be pilot hole design.		
	Tires will be 11X24R steel belted radials with a ply rating of 14. Tread design will be for all-weather conditions as well as off highway use.		

#### FRAME & EQUIPMENT

	Frame Rails are to be single channel with a minimum rating of 130,000 pounds. The back end of the frame rails will be tapered.		
	The Fifth Wheel will be manufactured by "Holland" and will be a fixed design. Fixed placement will be 4 inches ahead of the rear differential center line. The Fifth Wheel plate will be mounted so that the top of the plate is 8 to 9 inches above the top of the frame rails.		
	Deck plating is to cover from the back of the cab to the fifth wheel. It must be a non-skid design, grip strut or equal. Diamond Plate will NOT be acceptable.		

	A Frame access step ladder will be installed on the left hand side.		
	Mud Flaps are to be "Betts" design and have mountings at the rear of the tractor for "bobtailing" as well as mountings in front of the differentials for storage under normal trailer transport conditions.		
	The Battery box will be located on the left hand side, under the cab.		
	The rear drive assemblies will have half fenders mounted to protect the cab from mud and rocks. Fenders will be constructed of stainless steel. Fender mountings must be heavy duty to withstand off-highway conditions.		
	Fuel tank will be 110 U.S. gallons gross and have a firm capacity of 100 U.S. gallons and will be mounted on the right hand side. The tank will be constructed of aluminum or stainless steel. Fuel tank will be mounted using 7 inch wide straps.		
	Center mounted tow hitch that is front frame reinforced to provide a single point towing location.		
	Front bumper will be a heavy duty box bumper that is painted black.		

#### CAB & EQUIPMENT

	Cab style will be "Conventional" with the long straight hood (non-sloping).The engine should be positioned so that no part of it is under the fire wall. Cab is to be day use only. (NO sleeper is required, nor are cab-over designs acceptable)		
	The Cab will be designed and built to resist corrosion from water, chemicals, and corrosive gasses. Cabs made entirely of steel will not be accepted. All fasteners will be of "Huck Bolt" design.		
	Air conditioning evaporator and the heater cores will be mounted so they are accessible from outside the cab.		
	Standard mirror package for both the left and right hand doors will be installed. Both mirrors shall be heated. All mounting hardware will be constructed of stainless steel.		
	A fixed rear window with clear safety glass will be installed in the cab.		

	Assist handles will be located on both the right and left hand side of the cab.		
	Color is to be fleet white.		
	Two (2) exterior back up alarms will be mounted on the right and left hand side of the back of the cab. Each alarm will be mounted 12 to 18 inches from the bottom of the cab. They will be energized automatically when the transmission is placed into reverse.		
	The cab will be equipped with standard marker lighting.		
	All electrical wiring will be color coded.		
	Drivers chair will be a low back, vinyl with air suspension. 3 point safety belt will be included.		
	Passenger chair will be a low back, vinyl with air suspension. 3 point safety belt will be included.		
	Floor board will be covered with black vinyl and with removable vinyl floor mats.		
	Instrument panel shall include: <ol style="list-style-type: none"> <li>1. Air pressure reservoir gauge</li> <li>2. Air application gauge</li> <li>3. Engine oil temperature gauge</li> <li>4. Engine oil pressure gauge</li> <li>5. Water temperature gauge</li> <li>6. Voltmeter</li> <li>7. Tachometer</li> <li>8. Engine run hour meter</li> <li>9. Fuel gauge</li> <li>10. Manifold pressure gauge (boost)</li> <li>11. Pyrometer for engine exhaust temperature</li> <li>12. Speedometer</li> <li>13. Standard warning light package for water, oil, air pressures with buzzers</li> <li>14. Inter-axle differential lock light</li> <li>15. High beam and turn signal indicators</li> <li>16. Additional toggle switch. 2 position on 15-amp breaker.</li> </ol>		
	AM/FM stereo radio w/ Bluetooth connectivity.		
	Electric windshield wipers with intermittent settings.		



## MISCELLANEOUS

	All hydraulic hoses and connections will be mounted to match existing tractor-trucks owned by South Valley Water Reclamation Facility.		
	The air system will be protected by using a "Bendix" dryer that is heated.		
	The air tank will be equipped with a moisture ejection valve. (pull cable drain)		
	Air and light lines will be 12 foot in length and coiled.		

## **SPARE PARTS (not used)**

## **WARRANTEES**

The engine shall be guaranteed for 60 months or 300,000 miles of operation. The Tractor-Truck shall be guaranteed for one full year or 100,000 miles Bumper to Bumper against any manufacture defects. The OWNER shall receive and be beneficiary of all OEM warrantees.

The VENDOR or a local repair service representing the VENDOR shall be available for additional maintenance and operation training during the warranty periods at a reasonable cost to the OWNER.

## **PERFORMANCE TESTING**

Performance testing will be conducted at the South Valley Water Reclamation Facility site located at 7495 South 1300 West, West Jordan City, Utah.

During the performance testing, the following data shall be collected and documented:

- The tractor will operate a Trail King or Trinity walking floor trailer through complete operations.
- All lights and brakes work as per specifications.

In the event that defects in manufacture, workmanship, or performance are determined during the performance testing, the VENDOR will be required to correct the defects within 15 days of receipt of notice to do so by the OWNER. If the VENDOR fails to correct any defects, etc. as described above within the 15 day period or refuses to correct them at all, the OWNER reserves the right to have the issues repaired by a third party and deduct the cost of the repairs from the purchase Price of the Tractor-Truck.

## **OPERATOR AND MAINTENANCE TRAINING**

The successful VENDOR shall, within ten days after delivery and performance testing of Equipment, provide training to the OWNER's equipment operators and maintenance personnel. Training shall include:

- Pre-operational equipment check
- Safe and proper equipment operation
- Post operational equipment check
- Equipment maintenance and lubrication

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