



**Request for Proposal**

**Rear Load Refuse Truck**

**RFP18149**

**March 27, 2018**

# RFP Bidding Specifications

## 1.0 INTENT

It is the intent of this specification to provide for the purchase of one (1) new and unused Rear Load Refuse Trucks to be used by the Fargo Solid Waste Department.

**Sealed proposals will be received by the City of Fargo Auditor's Office at 200 3<sup>rd</sup> Street until 2:00 PM on Friday, April 13, 2018.**

The City of Fargo Solid Waste Department has evaluated different styles of Rear Load Refuse Trucks and has determined that this published specification is best suited for the SWD needs in terms of quality and features. This specification shall not be interpreted as restrictive but rather as a measure of quality and performance against which all other Rear Load Refuse Trucks will be compared.

In comparing proposals, comparison will not be confined to price only. The successful proposer will be one whose product is judged as best serving the interests of the SWD when price, product, quality and delivery are considered. The SWD also reserves the right to reject any or all proposals or any part thereof, and to waive any minor technicalities. A contract will be awarded to the proposer submitting the lowest responsible proposal meeting the requirements.

## 2.0 EQUIVALENT PRODUCT

Proposals will be accepted for consideration on any make or model that is equal or superior to the Rear Load Refuse Truck specified. Decisions of equivalency will be at the sole interpretation of the SWD. A blanket statement that equipment proposed will meet all requirements will not be sufficient to establish equivalence. An original manufacturer's brochure of the proposed product is to be submitted with proposal.

## 3.0 INTERPRETATIONS

In order to be fair to all proposers, no oral interpretations will be given to any proposer, as to the meaning of the specification documents or any part thereof. Every request for such a consideration shall be made in writing. Based on such inquiry, the SWD may choose to issue an addendum in accordance with local state laws.

## 4.0 GENERAL

The specification herein states the minimum requirements of the SWD. All proposals must be regular in every respect. Unauthorized conditions, limitations, or provisions shall be cause for rejection. The SWD will consider as irregular or non-responsive any and all proposals that are not prepared and submitted in accordance with the proposal document and specification, or any proposal lacking sufficient technical literature to enable the SWD to make a reasonable determination of compliance to the specification. It shall be the proposer's responsibility to carefully examine each item of the specification. Failure to offer a completed proposal or failure to respond to each section of the technical specification (COMPLY: YES NO) will cause the proposal to be rejected without review as non responsive. All variances, exceptions and/or deviations shall be fully described in the appropriate section. Deceit in responding to the specification will be cause for rejection

## **CITY OF FARGO RIGHTS**

The City reserves the right to cancel this RFP in writing or postpone the date and time for submitting proposals at any time prior to the proposal due date. The City by this RFP does not promise to accept the lowest cost or any other proposal and specifically reserves the right to reject any or all proposals, to waive any formal proposal requirements, to investigate the qualifications and experience of any Proposer, to reject any provisions in any proposal, to modify RFP contents, to obtain new proposals, to negotiate the requested services and contract terms with any Proposer, or to proceed to do the work otherwise.

The City hereby notifies all proposers that it will affirmatively ensure that in regard to any contract entered into, pursuant to this request, minority business enterprises will be afforded full opportunity and are encouraged to submit proposals in response to this invitation and will not be discriminated against on the grounds of race, color, sex, or national origin in consideration for an award. The City reserves the right to accept or reject any and all proposals that is in the best interest of the City. All questions and inquiries will be addressed to:

Solid Waste Dept Operational Questions:

Dave Rheault  
Solid Waste Route Supervisor  
2301 8<sup>th</sup> Ave N  
Fargo, ND 58102

[drheault@cityoffargo.com](mailto:drheault@cityoffargo.com)  
Phone: (701) 241-1455  
Fax: (701) 241-8109

Allan Erickson  
Fleet Management Specialist  
402 23<sup>rd</sup> St N  
Fargo, ND 58102

[aerickson@cityoffargo.com](mailto:aerickson@cityoffargo.com)  
(701) 241-1439  
(701) 298-6971

## General Specification

Unit shall be a new 2017 or newer model and shall include all standard equipment unless otherwise specified. On an attached sheet, bidder shall provide an explanation for all specification items without a "yes" response.

**WARRANTY:** Dealer will submit warranty on complete unit with proposal.

**MANUALS:** One (1) complete service manual, paperback or electronic  
One (1) complete parts manual, paperback or electronic  
Three (3) operations manuals, paperback or electronic

**DELIVERY:** Vendor must perform a complete predelivery service prior to delivery of equipment. All units are F.O.B., Fargo Public Works, 402 23<sup>rd</sup> Ave N, Fargo, North Dakota

**Proposer must state the number of days for delivery from time of order. A \$150.00 per day penalty will be accessed against the purchase price not to exceed 2.5% of the total price.**

**BIDDER QUALIFICATION:** Vendors must have a local dealer with a reasonable amount of parts inventory for the unit that has been bid and a complete service Facility.

There shall be a \$500,000.00 minimum of product liability coverage by the manufacture and a minimum of \$500,00.00 liability coverage by the product installers to protect the City of Fargo. Certification shall be provided with proposal.

Vendor must supply a list of equipment users who have purchased their units in the past two years.

Information shall include name of contact person and telephone number of that individual.

**5.0 Specifications**

**Yes**

**No**

**5.1 General**

- |  |       |       |
|--|-------|-------|
| 1. Refuse body to be a minimum 25 Cubic Yards exclusive of the hopper.                                   | _____ | _____ |
| 2. Packer body capable of packing 1,000 pounds per cubic yard based on average household waste.          | _____ | _____ |
| 3. Packer body shall meet all applicable standards and regulations in effect at the time of manufacture. | _____ | _____ |

**5.2 Body Construction**

- |   |       |       |
|---|-------|-------|
| 1. The roof and sides must be curved design. They must be comprised of steel of sufficient strength to withstand the pressures of compaction. | _____ | _____ |
| 2. The floor shall be ¼ inch thick abrasion resistant steel.  | _____ | _____ |
| 3. AR400 or Hardox shall be used where slides and or rollers are installed.   | _____ | _____ |
| 4. Body sides fully welded to floor skirt rails.  | _____ | _____ |
| 5. The body shall have a side access door with ladder attached if needed to facilitate entry into the body.                                   | _____ | _____ |

**5.3 Unloading System**

**Yes**

**No**

1. The use of an ejection plate utilizing a hydraulic telescoping cylinder is preferred. The ejection plate shall be constructed to withstand the pressures of unloading and packing.

\_\_\_\_\_

\_\_\_\_\_

2. The ejector plate must extend completely to eject the load without extending past the body.

\_\_\_\_\_

\_\_\_\_\_

**5.4 Tailgate**

1. The tailgate is to be hinged at the top of the body with greaseable pivots. The tailgate shall be hydraulically raised with a restricting system to prevent tailgate dropping uncontrollably in the event of a hydraulic leak.

\_\_\_\_\_

\_\_\_\_\_

2. Tailgate props shall be furnished for both sides.

\_\_\_\_\_

\_\_\_\_\_

3. Tailgate assembly shall be enclosed on the sides. If not, all shielding must be supplied to control and contain any liquid that splashes out the sides. Top shielding must also be included. Drainable spill troughs are acceptable.

\_\_\_\_\_

\_\_\_\_\_

4. A manually operated clamping system is to be used to secure tailgate.

\_\_\_\_\_

\_\_\_\_\_

	<u>Yes</u>	<u>No</u>
5. A replaceable rubber seal must be used between the tailgate and the body. The seal must go a minimum of 21" up the body.	_____	_____
6. Riding steps and grab handles are to be provided on both sides of the end gate.	_____	_____
7. A warning light and alarm must be included to sense if tailgate is not fully closed.	_____	_____
8. The control lever to raise end gate must be located towards the front of the body.	_____	_____
9. Hydraulic operated kick bar.	_____	_____

**5.5 Hopper and Packer Plate**

1. The hopper floor is to be 1/2 inch abrasion resistant steel or 2 layers of 1/4 inch abrasion resistant steel, preferred.	_____	_____
2. The hopper sides are to be 1/4 inch abrasion resistant steel with heavy-duty bracing rated for heavy commercial use.	_____	_____
3. List cycle times for compaction plate. _____	_____	_____
4. The hopper capacity shall be a minimum of 3.5 cubic yards.	_____	_____

	<u>Yes</u>	<u>No</u>
5. The packer plate must be constructed to withstand the pressures of the packing process. The hopper and packer plate shall be designed for heavy-duty commercial use.	_____	_____
6. Cushioned hydraulic cylinders are required if needed for proper function and longevity of the packing system.	_____	_____
7. The hopper and packing plate must be designed to hook up to and pull material out of dumpsters maintaining a maximum clearance of ¾" between the packer plate and the hopper floor.	_____	_____
8. When the packing mechanism reaches the interrupt position, the packer plate must stop approximately 16" above the loading sill to avoid a pinching action. The packing control handles must then be reactivated to complete the cycle. The packing control handles must be able to stop or reverse the packing mechanism at any position in the cycle.	_____	_____
9. The packing system shall be protected from overload by a relief in the hydraulic system.	_____	_____

**5.6 Hydraulic System**

1. Unit shall have transmission mounted hot shift direct mount pump.	_____	_____
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	<u>Yes</u>	<u>No</u>
2. Hydraulic system shall have low-level warning indicators, both visual and audible.	_____	_____
3. Body or frame mounted hydraulic tank is acceptable.	_____	_____
4. Hydraulic system controls shall be manual or electric over hydraulic only. Air operated controls will only be considered if no other options are available.	_____	_____
5. Unit shall have the ability to work at idle, preferred.	_____	_____
6. Hydraulic system shall have a suction strainer and return filter. State micron ratings. _____	_____	_____
7. The hydraulic cylinders shall be protected from contact with refuse and come with a minimum of one year warranty.	_____	_____

**5.7 Controls**

1. The manually operated controls for the packing mechanism are to be located curbside at the rear of the tailgate. An automatic throttle advance must be provided. The dual lever controls must have the capability of stopping, starting, and reversing the packing mechanism. To avoid possible damage from rubbish, the dual lever control rods must be located outside the hopper.	_____	_____
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	<u>Yes</u>	<u>No</u>
2. A push-button switch that activates a buzzer in the cab is to be provided on both sides of the tailgate to signal the driver.	_____	_____
3. The tailgate lift and ejector controls, complete with a manually operated engine speed-up switch, are to be located at the left front corner of the body.	_____	_____
4. Hydraulic Pump activation controls are to be mounted inside the cab.	_____	_____

**5.8 Container Options**

1. A hydraulic reeving cylinder controlling a steel cable shall be mounted to the roof of the body. The lifting capacity of this option shall be 12,000 pounds and be able to lift a 10 cubic yard container.	_____	_____
2. Reeving cylinder assembly shall be enclosed, preferred.	_____	_____
3. A container lid deflector shall be added to aid the lid from catching when dumping.	_____	_____
4. An adjustable container stop bar, a cable roller and guide, camera guard, and light guard shall also be provided.	_____	_____
5. A manual lever control shall be mounted on the curbside.	_____	_____

- |   | <u>Yes</u> | <u>No</u> |
|---|------------|-----------|
| 6. Hydraulic trunnion bar locks.  | _____      | _____     |
| 7. Cart tipper shall be a Perkins model 6620 or approved equal. Mounted right hand of hopper. | _____      | _____     |

**5.9 Camera**

- |  |       |       |
|--|-------|-------|
| 1. A camera system shall be installed to monitor rear of refuse unit. The camera cable must have a connector just before the hinge area of the tailgate. | _____ | _____ |
| 2. The monitor shall be a color LCD type.  | _____ | _____ |

**5.10 Lighting**

- |   |       |       |
|---|-------|-------|
| 1. Body lighting must comply with all current regulations.  | _____ | _____ |
| 2. An upper and lower set of LED lights on rear of unit is required.  | _____ | _____ |
| 3. All electrical connections are to be weatherproof connectors or soldered.  | _____ | _____ |
| 4. Lighting for hopper work area shall be provided by a rubber mounted light using a Par 36 LED bulb or approved equal. | _____ | _____ |

- |                                | <u>Yes</u> | <u>No</u> |
|--------------------------------|------------|-----------|
| 5. Marker lights shall be LED. | _____      | _____     |

**5.11 Maintenance**

- |  |       |       |
|--|-------|-------|
| 1. Grease fittings shall be incorporated into banks that are accessible from the standing position on the ground floor, preferred.   | _____ | _____ |
| 2. One operator manual from the body manufacturer.   | _____ | _____ |
| 3. One complete parts manual; including any and all subcomponents for the complete unit.   | _____ | _____ |
| 4. One complete repair manual including maintenance procedures and maintenance schedules, repair procedures for major components and any and all subcomponents, trouble shooting information on the complete unit. | _____ | _____ |
| 5. Successful vendor shall provide proper software to program and troubleshoot any computer-controlled component of the refuse body if available.  | _____ | _____ |

**5.12 Safety**

- |   |       |       |
|---|-------|-------|
| 1. Refuse body shall meet all OSHA regulations with proper shielding and warning labels in place. | _____ | _____ |
|---|-------|-------|

**5.13 Weight Regulations**

**Yes**

**No**

1. Optional Steerable lift axle with single wheels and tires mounted in front of drive wheels.

\_\_\_\_\_

\_\_\_\_\_

**5.14 Chassis**

1. Chassis will be provided by the City of Fargo. It will be the responsibility of the awarded vendor to provide the Cab to Trunnion measurement to the chassis dealer.

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\_\_\_\_\_

2. Chassis specifications available upon request.

\_\_\_\_\_

\_\_\_\_\_

3. Chassis will be delivered to awarded vendor(s) specified location. It is then the sole responsibility for the vendor to delivery completed vehicle to the City of Fargo at vendor(s) expense.

\_\_\_\_\_

\_\_\_\_\_

The undersigned, as proposer, declares that he/she has read the provisions and specifications covering the RFP, and with full knowledge and understanding of the requirements, does hereby agree to furnish said materials in full accordance with the specifications attached hereto and made part hereof, for the price(s) proposed.

I will hold my bid open until \_\_\_\_\_, pending award (bids providing less than 60 days for approval may be rejected.)

Delivery will be made in \_\_\_\_\_ days after receipt of the order.

Date: \_\_\_\_\_

Payment Terms: \_\_\_\_\_

Name of Firm: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Zip Code: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Telephone: \_\_\_\_\_

**PROPOSAL FORM**

City of Fargo – Division of Solid Waste

Make: \_\_\_\_\_

Model: \_\_\_\_\_

Price Each: \_\_\_\_\_

**TOTAL Equipment Price**

\$ \_\_\_\_\_

Steer Axle Option

\$ \_\_\_\_\_

ANTICIPATED DELIVERY DATE: \_\_\_\_\_

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

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_