

# CITY OF NIAGARA FALLS, NEW YORK

## REQUEST FOR BIDS BID #29-08

Bids on items as specified herein will be accepted at City Hall until 11:00 A.M., and opened at 11:00 A.M. on August 28, 2008.

Bidders must state when delivery can be made.

All bids are subject to delivery as stated herein.

If a bid is submitted on an article intended as a substitute for a grade or brand specified, the bidder must state the grade or brand of the substitution, otherwise it will be assumed that the bid is based on the grade or brand specified.

The City reserves the right to accept this bid by items, or as a whole, or to reject any or all bids or waive informalities.

Bids are to be shown NET. Cash discounts are to be stated, if any.

All bids must be accompanied by the requisite bid bond IF SO STATED IN THE SPECIFICATIONS.

Provision of any required performance bond is the responsibility of the bidder.

Prices must be filled in with typewriter or ink on this form.

THE ENVELOPE CONTAINING THE BID MUST BE SEALED AND CLEARLY MARKED WITH THE BID NUMBER.

Any and all bids and contracts made or awarded by the City of Niagara Falls or any department, agency or official thereof for work or services performed or to be performed, or goods purchased or sold or to be purchased or sold are made subject to the provisions of Chapter 861 of the Laws of New York, 1953, as amended by Chapter 751 of the Laws of New York, and as now contained or as may hereafter be amended. The provisions of the New York State General Municipal Law and 103a and 103b are applicable to this bid.

**BIDDER'S ATTENTION IS REQUESTED REGARDING THE FOLLOWING CONDITIONS AND REGULATIONS. BIDS NOT IN COMPLIANCE WITH THE FOREGOING CONDITIONS AND REGULATIONS WILL NOT BE CONSIDERED.**

### **NON-COLLUSIVE BIDDING CERTIFICATION (PURSUANT TO CHAPTER 751 OF LAWS OF NEW YORK, 1965)**

By submission of this bid or proposal, the bidder certifies that:

- a) This bid or proposal has been independently arrived at without collusion with any other bidder or with any competitor or potential competitor;
- b) This bid or proposal has not been knowingly disclosed and will not be knowingly disclosed, prior to the opening of bids or proposals for this project, to any other bidder, competitor or potential competitor;
- c) No attempt has been or will be made to induce any other person, partnership or corporation to submit or not to submit a bid or proposal;
- d) The person signing this bid or proposal certifies that he has fully informed himself regarding the accuracy of the statements contained in this certification, and under the penalties of perjury, affirms the truth thereof, such penalties being applicable to the bidders as well as to the person signing on it's behalf;
- e) That attached hereto (if a corporate bidder) is a certified copy or resolution authorizing the execution of this certificate by the signature of this bid or proposal on behalf of the corporate bidder.

(see reverse side for additional information)

**COMPANY NAME:**

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**ADDRESS:**

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<b>TOTAL NET PRICE</b>	<b>DELIVERY PROMISED</b>
<b>CONTACT PERSON FOR QUESTIONS REGARDING BID</b>	<b>TELEPHONE NUMBER</b>
<b>AUTHORIZED SIGNATURE</b>	<b>DATE</b>

<b>TITLE</b>

**MAIL BIDS TO:**  
CITY OF NIAGARA FALLS  
PURCHASING DIVISION ROOM 14-B  
PO BOX 69  
NIAGARA FALLS, NY 14302-0069

**DELIVER BIDS TO:**  
CITY OF NIAGARA FALLS  
CITY HALL ROOM 14-B  
745 MAIN STREET  
NIAGARA FALLS, NY 14302-0069

**BIDS SUBMITTED BY FACSIMILE ARE UNACCEPTABLE**



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# CITY OF NIAGARA FALLS DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS

## REAR LOADING REFUSE COLLECTION BODY MOUNTED ON 4 X 2 CHASSIS

Please indicate "YES" or "NO" if the equipment being bid complies with each specification. If "NO", please describe variance in the exception column. If the item being bid exceeds any specification, check "NO" and describe the variance in the exception column.

<b>GENERAL:</b>			
1. Intent: These specifications describe a rear loading refuse collection body. The body shall be capable of compacting and transporting refuse to a landfill or transfer station and dumping the load by means of hydraulically raising the tailgate and ejecting the refuse from the body.			
2. The specifications shall be strictly adhered to. All exceptions and/or deviations shall be listed and fully explained on a separate sheet and attached to the submitted proposal. Proposals taking total exception to these specifications shall not be considered. Each bid shall be accompanied by a set of manufacturer's specifications, consisting of detailed description of the equipment proposed. These specifications shall indicated size, type model and make of all component parts and equipment. Failure to comply with these specifications and/or requirements shall disqualify your bid.			
3. All equipment furnished under this contract shall be new, unused and the same as the manufacturer's current production model. Accessories not specifically mentioned herein, but necessary to furnish a complete unit ready for use, shall also be included. Unit shall conform to the best practice known to the body trade in design, quality of material and workmanship. Assemblies and component parts shall be standard and interchangeable throughout the entire quantity of the units as specified in this invitation to bid. The equipment furnished shall conform to current ANSI Safety Standard Z245.1.			
4. The purchaser places a very high priority on service, and the availability of parts. Bidders are to be an authorized dealer for the manufacturer of the equipment proposed, and have a service facility within a distance of fifty (50) miles of the purchaser's facility, where the proposed equipment is housed.			
5. Bidder to provide warranty information, and shall state the warranty terms offered for the major components of the equipment proposed.			
6. Successful bidder to furnish two (2) copies of parts/maintenance and service manuals for the complete unit furnished. Completed unit to be New York State Inspected, and in compliance with Federal Motor Vehicle Safety Standards and New York State Department of Transportation regulation.			
7. The bidder shall complete every space in the Bidders Proposal column with a check mark to indicate if the item being bid is exactly as specified. If any check marks are placed in the "NO" column, a detailed and complete description of the deviation from specification must be supplied on a separate sheet tabled 'DEVIATIONS FROM SPECIFICATIONS'.			
8. Unit shall be fully functional and delivered to Central Garage Division, Public Works Department, 1785 New Road, Niagara Falls, NY at no cost to the City. Delivery no later than 120 days after receiving purchase order.			
<b>CAB &amp; CHASSIS:</b>	<b>YES</b>	<b>NO</b>	<b>EXCEPTION</b>
1. New, unused 2008 or newer DRW 4 x 2.	<input type="checkbox"/>	<input type="checkbox"/>	
2. Minimum 6.0L, power stroke, V-8, 325 HP @ 3300, turbo diesel engine with block heater.	<input type="checkbox"/>	<input type="checkbox"/>	
3. 5-speed, automatic transmission.	<input type="checkbox"/>	<input type="checkbox"/>	
4. Transmission power take-off provision.	<input type="checkbox"/>	<input type="checkbox"/>	
5. GVWR minimum 19,000 lbs.	<input type="checkbox"/>	<input type="checkbox"/>	

<b>CAB &amp; CHASSIS - CONTINUED:</b>	<b>YES</b>	<b>NO</b>	<b>EXCEPTION</b>
6. CA to be 84 inches.	<input type="checkbox"/>	<input type="checkbox"/>	
7. Rear stabilizer bar to be installed.	<input type="checkbox"/>	<input type="checkbox"/>	
8. Rear spring spacer package.	<input type="checkbox"/>	<input type="checkbox"/>	
9. 40-20-40 bench seat, gray vinyl upholstery.	<input type="checkbox"/>	<input type="checkbox"/>	
10. Power steering.	<input type="checkbox"/>	<input type="checkbox"/>	
11. Tilt steering wheel.	<input type="checkbox"/>	<input type="checkbox"/>	
12. Heavy-duty floor mats.	<input type="checkbox"/>	<input type="checkbox"/>	
13. Air conditioning/heater/defroster.	<input type="checkbox"/>	<input type="checkbox"/>	
14. AM/FM/Stereo clock radio.	<input type="checkbox"/>	<input type="checkbox"/>	
15. Telescoping/remote control/heated TT mirrors.	<input type="checkbox"/>	<input type="checkbox"/>	
16. Driver and passenger air bags.	<input type="checkbox"/>	<input type="checkbox"/>	
17. OEM, non-slip, cab steps, both sides.	<input type="checkbox"/>	<input type="checkbox"/>	
18. 19 gallon, midship, fuel tank.	<input type="checkbox"/>	<input type="checkbox"/>	
19. Automatic idle control.	<input type="checkbox"/>	<input type="checkbox"/>	
20. Tires: LT225 70R x 19.5F BSW, All Season Tires.	<input type="checkbox"/>	<input type="checkbox"/>	
21. Full spare tire and wheel.	<input type="checkbox"/>	<input type="checkbox"/>	
22. Batteries: dual, 12V, 750 cca/78 amperes.	<input type="checkbox"/>	<input type="checkbox"/>	
23. Alternator: 100 Ampere, minimum.	<input type="checkbox"/>	<input type="checkbox"/>	
24. Cooling system: pressurized series w/coolant.	<input type="checkbox"/>	<input type="checkbox"/>	
25. Brake system: 4 wheel, anti-lock.	<input type="checkbox"/>	<input type="checkbox"/>	
26. Cab body to be rust proofed, Carwell System or equal.	<input type="checkbox"/>	<input type="checkbox"/>	
27. Paint Color: white.	<input type="checkbox"/>	<input type="checkbox"/>	
28. Roof clearance lights.	<input type="checkbox"/>	<input type="checkbox"/>	
29. Solar tinted glass.	<input type="checkbox"/>	<input type="checkbox"/>	
30. Steering damper.	<input type="checkbox"/>	<input type="checkbox"/>	
31. Limited slip rear axle.	<input type="checkbox"/>	<input type="checkbox"/>	
32. Heavy-duty mud flaps, front and rear.	<input type="checkbox"/>	<input type="checkbox"/>	
<b>CAPACITY:</b>	<b>YES</b>	<b>NO</b>	<b>EXCEPTION</b>
1 The capacity shall be measured exclusive of the hopper.	<input type="checkbox"/>	<input type="checkbox"/>	
2. The body shall have a minimum capacity of 6 cubic yards.	<input type="checkbox"/>	<input type="checkbox"/>	
3. The body shall have an average compaction rate of 800 pounds per cubic yard.	<input type="checkbox"/>	<input type="checkbox"/>	

<b>BODY DIMENSIONS:</b>	<b>YES</b>	<b>NO</b>	<b>EXCEPTION</b>
1. Maximum overall width not to exceed 75".	<input type="checkbox"/>	<input type="checkbox"/>	
2. Maximum overall length and height (with tailgate in LOCKED position) above the chassis frame not to exceed: CAPACITY: 6 cubic yards; LENGTH: 161.5"; HEIGHT: 61".	<input type="checkbox"/>	<input type="checkbox"/>	
3. Body height above truck frame with the tailgate fully extended shall not exceed 109".	<input type="checkbox"/>	<input type="checkbox"/>	
4. Body weight (exclusive of options) shall not exceed 5,840 lbs.	<input type="checkbox"/>	<input type="checkbox"/>	
<b>BODY CONSTRUCTION:</b>	<b>YES</b>	<b>NO</b>	<b>EXCEPTION</b>
1. The body shall be constructed entirely of high tensile sheet steel and formed sections.	<input type="checkbox"/>	<input type="checkbox"/>	
2. All pivot points shall be provided with grease zerks.	<input type="checkbox"/>	<input type="checkbox"/>	
3. Body sides, roof and floor shall be reinforced so as to withstand continuous operation at maximum loads without harmful deformation or wear.	<input type="checkbox"/>	<input type="checkbox"/>	
4. The roof shall be constructed of 10 gauge high tensile steel.	<input type="checkbox"/>	<input type="checkbox"/>	
5. The roof shall be braced with no less than two box shaped braces, spanning the length of the body, and formed of 10 gauge steel.	<input type="checkbox"/>	<input type="checkbox"/>	
6. The body sides shall be constructed of a minimum of 10 gauge high tensile steel.	<input type="checkbox"/>	<input type="checkbox"/>	
7. The body sides shall be of the curve shell design.	<input type="checkbox"/>	<input type="checkbox"/>	
8. The body floor shall incorporate a trough design (flat floors are not acceptable.)	<input type="checkbox"/>	<input type="checkbox"/>	
9. The body floor sides shall be 10 gauge high tensile sheet steel.	<input type="checkbox"/>	<input type="checkbox"/>	
10. The body floor center shall be ¼" plate steel.	<input type="checkbox"/>	<input type="checkbox"/>	
11. The trough shall be constructed of two 6" channel sills to hold the ejection blade in line under the most extreme load conditions.	<input type="checkbox"/>	<input type="checkbox"/>	
12. Side access door shall be located on the street side of the body side wall. The door shall be securely fastened to the body side wall by a piano hinge.	<input type="checkbox"/>	<input type="checkbox"/>	
<b>TAILGATE DIMENSIONS:</b>	<b>YES</b>	<b>NO</b>	<b>EXCEPTION</b>
1. Hopper width shall not be less than 54".	<input type="checkbox"/>	<input type="checkbox"/>	
2. Hopper opening height shall not be less than 45".	<input type="checkbox"/>	<input type="checkbox"/>	
3. Hopper capacity shall not be less than 1 cubic yard, measured by the TEBA method.	<input type="checkbox"/>	<input type="checkbox"/>	
4. Hopper cycle time with the standard PTO and pump shall not exceed 15 seconds.	<input type="checkbox"/>	<input type="checkbox"/>	

<b>TAILGATE CONSTRUCTION:</b>	<b>YES</b>	<b>NO</b>	<b>EXCEPTION</b>
1. Tailgate sides shall be constructed of a minimum of 10 gauge high tensile sheet steel.	<input type="checkbox"/>	<input type="checkbox"/>	
2. Tailgate sides shall be reinforced by 10 gauge 1 ¾ x 4" formed steel and fully welded in a horizontal position for maximum support.	<input type="checkbox"/>	<input type="checkbox"/>	
3. An interlaced network of 3/16" wall 1 ½" x 2 ½" structural tube shall form the slide blade guide tract.	<input type="checkbox"/>	<input type="checkbox"/>	
4. The tailgate perimeter edge shall be reinforced by a 2" x 2" structural steel tube.	<input type="checkbox"/>	<input type="checkbox"/>	
5. The tailgate shall be equipped with an automatic hydraulic locking system with a pilot check valve to ensure constant pressure for a tight seal.	<input type="checkbox"/>	<input type="checkbox"/>	
6. The tailgate shall be raised by two 2 ½" x 24" cylinders equipped with restrictors to prevent precipitous tailgate descent in the event of a broken hydraulic line.	<input type="checkbox"/>	<input type="checkbox"/>	
7. Tailgate shall be equipped with a chemically inert seal to provide a watertight seal.	<input type="checkbox"/>	<input type="checkbox"/>	
8. The hopper floor shall be equipped with a 1 ½" drain plug.	<input type="checkbox"/>	<input type="checkbox"/>	
9. Hopper floor shall remain stationary during the packing cycle.	<input type="checkbox"/>	<input type="checkbox"/>	
10. The hopper load sill shall be constructed of 3" x 4" x ¼" wall tube and shall be even with the truck frame.	<input type="checkbox"/>	<input type="checkbox"/>	
11. Self cleaning grip strut steps and grab handles shall be required on both sides of the tailgate.	<input type="checkbox"/>	<input type="checkbox"/>	

<b>PACKING MECHANISM CONSTRUCTION:</b>	<b>YES</b>	<b>NO</b>	<b>EXCEPTION</b>
1. The sweep blade shall be of the backhoe packing type, and designed to have a minimum clearance to thoroughly clean the hopper bottom during cycling.	<input type="checkbox"/>	<input type="checkbox"/>	
2. The sweep blade face plate shall be constructed of ¼" high tensile sheet steel and shall be reinforced with internal and lateral braces constructed of ¼" and 3/8" - 3" x 3" angle.	<input type="checkbox"/>	<input type="checkbox"/>	
3. The sweep blade shall be powered by 2 ½" x 16" double action cylinders.	<input type="checkbox"/>	<input type="checkbox"/>	
4. The slide blade face plate shall be constructed of formed 10 gauge high strength sheet steel reinforced with internal braces of 10 gauge high strength sheet steel and 4" channel.	<input type="checkbox"/>	<input type="checkbox"/>	
5. The slide blade shall be powered by two 2 ½" x 30" double action cylinders.	<input type="checkbox"/>	<input type="checkbox"/>	
6. The linear slide movement of the blade shall be accomplished on four 2 ½" x 4 ½" x 6" high density HMW guide bearing blocks.	<input type="checkbox"/>	<input type="checkbox"/>	
7. The pivotal rotation of the sweep blade shall be accomplished through the sweep blade pivots which shall be a minimum of 2 ½" in diameter.	<input type="checkbox"/>	<input type="checkbox"/>	

<b>EJECTION BLADE CONSTRUCTION:</b>	<b>YES</b>	<b>NO</b>	<b>EXCEPTION</b>
1. Ejection blade shall form the front of the body and be hydraulically operated and designed to have a minimum clearance to thoroughly clean the body during cycling.	<input type="checkbox"/>	<input type="checkbox"/>	
2. The load shall be discharged by means of a positive ejection system. A double acting telescopic cylinder shall extend and retract the full length of the body.	<input type="checkbox"/>	<input type="checkbox"/>	
3. The ejection blade face plate shall be constructed of 10 gauge high strength sheet steel and reinforced with trapezoidal cross members of high strength ¼" wall 3" x 3" structural tube.	<input type="checkbox"/>	<input type="checkbox"/>	
4. The ejection blade shall slide in a 6" channel sill on four high density UHMW slide bearing blocks.	<input type="checkbox"/>	<input type="checkbox"/>	
5. The telescopic cylinder shall be horizontally positioned and consist of the following dimensional characteristics: CAPACITY: 6 cubic yard; STAGE: 3 Stage; BORE: 5"	<input type="checkbox"/>	<input type="checkbox"/>	
<b>HYDRAULIC CONTROLS:</b>	<b>YES</b>	<b>NO</b>	<b>EXCEPTION</b>
1. The ejector blade and tailgate raise control shall be mounted outside the front left hand side of the body.	<input type="checkbox"/>	<input type="checkbox"/>	
2. An electrical device shall be supplied to automatically raise the engine speed to the proper RPM during the packing cycle.	<input type="checkbox"/>	<input type="checkbox"/>	
3. An additional throttle advance switch shall be mounted at the front left hand side of the body near the tailgate raise control handle and at the rear right hand side near the packing blade control.	<input type="checkbox"/>	<input type="checkbox"/>	
4. A Back Pack Valve shall be required to automatically advance the ejector panel when packing against it.	<input type="checkbox"/>	<input type="checkbox"/>	
5. The packing blade control shall be designed to accomplish the normal packing cycle in two steps and shall be reversible or stopped at any time during the cycle.	<input type="checkbox"/>	<input type="checkbox"/>	
6. The packing blade control shall be a two handle design and located at the rear of the tailgate on the curbside.	<input type="checkbox"/>	<input type="checkbox"/>	
<b>HYDRAULIC SYSTEM:</b>	<b>YES</b>	<b>NO</b>	<b>EXCEPTION</b>
1. Power takeoff/pump combination or pump with electric clutch shall be used to power the hydraulic system.	<input type="checkbox"/>	<input type="checkbox"/>	
2. All hydraulic valving shall be mechanically operated and use direct link controls.	<input type="checkbox"/>	<input type="checkbox"/>	
3. The hydraulic pump shall provide a minimum delivery of 17 GPM at 1500 RPM.	<input type="checkbox"/>	<input type="checkbox"/>	
4. Normal maximum operating pressures shall not exceed 1800 PSI.	<input type="checkbox"/>	<input type="checkbox"/>	
5. The hydraulic system shall incorporate a relief valve to protect all components from excess pressures.	<input type="checkbox"/>	<input type="checkbox"/>	
6. All hydraulic hoses shall conform to S.A.E. Standards no flat spots in hoses will be acceptable.	<input type="checkbox"/>	<input type="checkbox"/>	
7. Hydraulic tank shall not be less than 22 gallons and must be equipped with a sight and temperature gauge. The tank shall be located inside the body.	<input type="checkbox"/>	<input type="checkbox"/>	

<b>HYDRAULIC SYSTEM - CONTINUED:</b>	<b>YES</b>	<b>NO</b>	<b>EXCEPTION</b>
8. A replaceable 10 micron spin on filter with bypass valve shall be furnished in the return line of the hydraulic system.	<input type="checkbox"/>	<input type="checkbox"/>	
9. A shut-off valve shall be mounted on the suction line near the oil tank.	<input type="checkbox"/>	<input type="checkbox"/>	
10. All cylinder rods shall be chrome plated.	<input type="checkbox"/>	<input type="checkbox"/>	
11. All cylinders shall incorporate nylon wear rings on the piston and rods to prevent metal to metal contact, and an "O" ring is to be used to pre-load the seal.	<input type="checkbox"/>	<input type="checkbox"/>	
12. All cylinder rod end pin lugs shall be inertia welded to the cylinder rods.	<input type="checkbox"/>	<input type="checkbox"/>	
<b>ELECTRICAL:</b>	<b>YES</b>	<b>NO</b>	<b>EXCEPTION</b>
1. All wiring shall be loomed or in conduit.	<input type="checkbox"/>	<input type="checkbox"/>	
2. The body shall be equipped with approved clearance, warning, tail, license, stop and turn signals in compliance with the national safety standards.	<input type="checkbox"/>	<input type="checkbox"/>	
3. The body shall be equipped with an external audio back up alarm activated when the chassis is in reverse.	<input type="checkbox"/>	<input type="checkbox"/>	
4. A light shall illuminate in the cab when the tailgate is open and an audible alarm will sound when the vehicle is placed in reverse while the tailgate is open.	<input type="checkbox"/>	<input type="checkbox"/>	
5. A light bar shall be mounted on the upper section of the tailgate and consist of stop, turn, backup and three cluster lights.	<input type="checkbox"/>	<input type="checkbox"/>	
6. All lights to be LED.	<input type="checkbox"/>	<input type="checkbox"/>	
<b>PAINT:</b>	<b>YES</b>	<b>NO</b>	<b>EXCEPTION</b>
1. The body shall be properly cleaned of all dirt, oil and welding slag. A gray lead-free primer with rust inhibitors shall be applied.	<input type="checkbox"/>	<input type="checkbox"/>	
2. Three coats of the manufactures standard auto enamel shall be applied, color white.	<input type="checkbox"/>	<input type="checkbox"/>	
3. Rust proofing on chassis and body.	<input type="checkbox"/>	<input type="checkbox"/>	
<b>MOUNTING:</b>	<b>YES</b>	<b>NO</b>	<b>EXCEPTION</b>
1. Body shall be mounted in accordance to industry standards. No welding shall be performed on the chassis frame in the mounting process.	<input type="checkbox"/>	<input type="checkbox"/>	
<b>ACCESSORIES:</b>	<b>YES</b>	<b>NO</b>	<b>EXCEPTION</b>
1. Quantity two: stainless steel spring loaded shovel/broom holder mounted on side of body.	<input type="checkbox"/>	<input type="checkbox"/>	
2. Strobe flashing light at each corner of vehicle.	<input type="checkbox"/>	<input type="checkbox"/>	
<b>WARRANTY:</b>	<b>YES</b>	<b>NO</b>	<b>EXCEPTION</b>
1. Manufacture's limited warranty shall apply for a period of one year after date of acceptance of the unit.	<input type="checkbox"/>	<input type="checkbox"/>	