

PARKS, RECREATION & FORESTRY

1900 AVIATION DRIVE
WAUKESHA, WISCONSIN 53188-2471
TELEPHONE 262/524-3737 FAX 262/524-3713

Ron Grall, Director
rgrall@ci.waukesha.wi.us

March 20, 2017

To: Parks, Recreation & Forestry Board (PRFB)

RE: PRFB Agenda Item - Approve the purchase of a 2017 6 yard Trash Packer.

This request is for the final approval to purchase a new 2017 6 yard trash packer for \$96,400 less the trade in value of \$15,000, with the net amount of \$81,400. This is the similar replacement (size, weight capacity) for what is currently being used. This was sent out to bid in accordance with the finance policies. This packer meets all specifications as written into the bid. Attached you will find supporting documentation.

Thank you,

Keith Johnson
Grounds Maintenance Supervisor



CITY OF WAUKESHA
PARKS, RECREATION AND FORESTRY DEPARTMENT
Trash Packer Bid 2016

BIDS RECEIVED: 2/24/17

LUMP SUM BID

Under CDL DBA Auto America
623 6th street
Box 656
Blooming Prairie MN 5591
ATTN: Lonnie

\$ 81,400 includes trade in

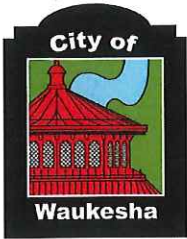
Meets all specifications
as written

RNOW
8636R W National Ave
West Allis, WI 53227
Attn: Jeff Shesler

Does not meet all
specifications

V&H INC
1505 S Central Ave.
Marshfield , WI 54449
ATTN : Jesse Geeslin

Does not meet all
specifications



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February 14, 2017
NOTICE TO PROSPECTIVE BIDDERS

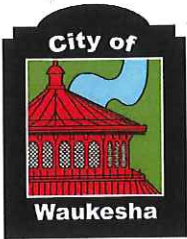
Dear Bidder:

Enclosed you will find one (1) equipment specification for the City of Waukesha, Department of Parks, Recreation and Forestry. It is for one (1) new 2017, 17500 lb. G.V.W.R. maximum, Cab-Over Truck and Chassis with 6 cu. yd. Garbage Packer. This bid is due by 12:00 A.M., Friday, February 24, 2017. It is to be returned to the City of Waukesha Parks, Recreation and Forestry Department, 1900 Aviation Drive, Waukesha, Wisconsin 53188 or emailed to kmjohnso@ci.waukesha.wi.us. Should you have any questions contact our office at 524-3737. Please clearly indicate on the envelope that your bid is contained within.

Sincerely,

Keith Johnson

Keith Johnson
Grounds Maintenance Supervisor



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FEBRUARY 14, 2017
OFFICIAL NOTICE TO CONTRACTORS
ADVERTISEMENT FOR BIDS
2017, 17,500 lb. G.V.W.R., 6 cu. yd. GARBAGE PACKER

BIDS CLOSE: FRIDAY, FEBURARY 24 2017 AT 12:00 P.M.

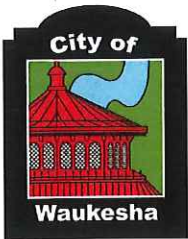
Sealed proposals will be received by the Parks, Recreation and Forestry Board until Friday, February 24, 2017, at 12:00 P.M. at the Parks, Recreation and Forestry Department, 1900 Aviation Drive, Waukesha, Wisconsin for furnishing the following:

ONE (1) NEW 2017, 17,500 Lb G.V.W.R, 6 cu. yd. Garbage Packer

All in accordance with the plans and specifications on file at the Parks, Recreation and Forestry Department.

Plans, specifications and proposal blanks may be obtained at the Parks, Recreation and Forestry Department.

The Parks, Recreation and Forestry Board hereby reserves the right to accept the bid most advantageous to the City or to reject any or all bids.



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CITY OF WAUKESHA
PARKS, RECREATION AND FORESTRY DEPARTMENT

We are seeking proposals for one (1) new 2017, or most current manufacture, 17,500 lb. G.V.W.R., 6 cu. yd. Garbage Packer.

This specification describes a Cab / Chassis Mounted hydraulically actuated packer body of the rear loading type with the following minimum specifications necessary to perform the work assigned. The body shall be capable of compacting and transporting refuse to a landfill or transfer station and dispensing the load by means of hydraulically ejecting the load from the body.

In addition to any standard warranty, the right is reserved to require a bidder to furnish a sworn-to statement by the manufacturers of any or all component units that they are suitable for the work to be performed as described under the section "Service Requirements".

Because the City is obligated to purchase equipment that will provide a long service life, the successful vendor will be required to furnish the City a warranty by the manufacturer that the unit bid on is suitable for the service intended in accordance with these specifications and shall agree to replace and install, without charge, any defective parts within the warranty period or any parts not suitable for the service. The City requires a one (1) year minimum warranty on all parts and service. A loaner of equal vintage shall be supplied free during warranty work. In addition, this equipment must have the capability to be rebuilt to original one year warranty.

A bid in which the vendor has failed to show, without doubt, that vendor is quoting on a regularly manufactured item of equipment will not be considered. Printed literature or a signed affidavit describing the particular equipment (make, model and manufacturer's rating) bid on must be included with an acceptable bid.

Bidder shall quote on the latest model of this type of equipment manufactured by the concern which he represents.

SERVICE FACILITIES

In order to insure that the City will be able to maintain and repair equipment purchased, the vendor shall operate a service facility capable of performing the repairs associated with the equipment they represent. This facility shall be stocked with common replacement and high wear parts, as may be



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designated by the equipment manufacturer, and approved by the Parks, Recreation and Forestry Board. The vendor shall provide the name, and address and telephone number of the service facility, and the person to contact for service, with their warranty statement.

AWARD AUTHORITY

The Parks, Recreation and Forestry Board will be the sole judge of the quality, construction and suitability of the equipment or materials offered for the work to be performed in its determination of the successful bidders.

SAFETY/HEALTH

Vehicles shall comply with all applicable Federal, state and local motor vehicle safety standards, laws and ordinances. 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 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. The equipment furnished shall conform to ANSI Safety Standard Z245.1-1999.

DEMONSTRATION

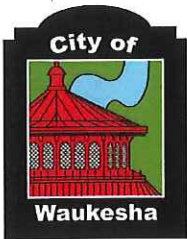
Upon request, bidders shall submit equipment on which they bid for demonstration before the award of contract.

UNSUITABLE EQUIPMENT

Bids will not be considered for equipment or material which has previously failed to perform satisfactorily the function described in "Service Requirements".

SERVICE REQUIREMENTS

The equipment to be purchased under these specifications will be used to compact and haul garbage collected through City of Waukesha Parks and other City owned properties as required by the services rendered by the City of Waukesha Parks,



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Recreation and Forestry Department. This requires this machine to be easily maneuvered around small park sites and tight corners, on highways and over all types of road conditions as well as off road park sites. Loading on this machine must be done at or below waist height of an average size person.

BRAND NAMES

If articles have been identified in the specification by a "brand name" or equivalent description, such reference is intended to be descriptive, but not restrictive, and is for the sole purpose of indicating to perspective bidders a description of article that will be satisfactory.

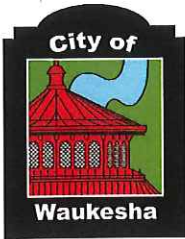
BID FORM

Only bids submitted on bid forms provided by the City of Waukesha will be considered. Bid form information must be complete. Any deviations from the specifications must be checked and each item checked must be explained on the bid form.

SPECIFICATIONS: 2017, 17,500 lb. G.V.W.R., 6 cu. yd. Garbage Packer

SCOPE: It is the intent of this specification to describe a hydraulically actuated packer body of the rearloading type with the following minimum specifications considered necessary to perform the work assigned. The body shall be capable of compacting and transporting refuse to a landfill or transfer station and dispensing the load by means of hydraulic ejection. The body shall not be required to be tilted, lifted, or otherwise displaced from the chassis in order to eject the load.

GENERAL: All equipment furnished under this contract shall be new and unused, and the same as the manufacturers current production model. Accessories not specifically mentioned, but necessary to furnish a complete unit ready for use shall also be included. The equipment furnished shall conform to all ANSI Safety Standards A245.1-1984.



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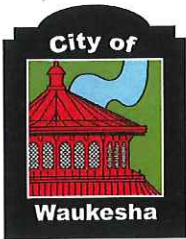
CAB/CHASSIS REQUIREMENTS

1. Chassis shall be a New Current Year Model Isuzu NQR 17,500 GVWR. Silver in Color
2. Engine to be a 4HK1-TC, Diesel Engine.
3. Transmission to be an Aisin A465 6 Speed Automatic.
4. Wheelbase shall be no greater than 109".
5. Chassis shall be equipped with an Engine Block Heater and Heated Mirrors.

A. REFUSE BODY REQUIREMENTS

1. Body shall be curved-shell design.
2. The body, roof, sides and floor shall be of a curved shell design constructed of 11-gauge 50,000-psi min. yield sheet steel.
3. The body sides and floor shall form a longitudinal box section at the side to floor interface for strength.
4. The body shall be of a curved shell design with a rear loading hopper and shall have a capacity of: 6 cubic yards, an overall width of 83", an overall length of 158" and shall not weigh in excess of 5,520 lbs.
5. The ejector panel shall be powered by a 2-stage telescopic 3.5" bore hydraulic cylinder for rapid and efficient unloading.
6. The ejector panel shall be guided by a centrally located 5" X 19 lbs/ft wide flange beam that is mounted longitudinally to a curved floor, surface compactor bodies incorporating a trough floor design or flat floors are unacceptable.
7. The ejector panel shall have (4) .5" x 2" x 32" slide bearings which shall be made of UHMW polyethylene to provide long life with minimal maintenance and (1) .5" x 5 x 32" top slide bearing.

A. REFUSE BODY (Cont'd)



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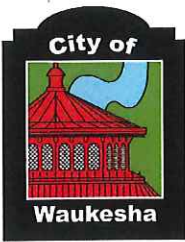
8. The face of the ejector panel shall be smooth to provide a packing surface that will result in dense refuse packing.
9. A heavy duty, waterproof and chemically inert extruded neoprene seal shall be incorporated between the tailgate and body to ensure a watertight seal that will withstand the chemistry of common refuse and the temperature excursions to which it is exposed.
10. The seal shall have a hollow cross section to resist wear while providing a watertight seal when under compression. The seal shall extend 12" up the sides for no leakage.
11. All welding shall be accomplished under an inert gas to ensure good weld penetration and strong, clean bonds.
12. Body height above truck frame shall not exceed 62".
13. Packer body / tailgate combination shall meet all ANSI Z245.1 safety standards as standard equipment.
14. A side door measuring 22" X 22" must be equipped with grab handles and a ladder to enter body on street side front of body.
15. Mud Flaps in front and behind rear tires shall be installed.

B. TAILGATE

1. The tailgate shall incorporate the rotational pivoting back-hoe packing method and shall include two double-acting, single stage, 3.5" bore hydraulic carriage cylinders with a stroke of 20".
2. The upper tailgate sides shall be constructed of 10-gauge GR 80.
3. The packing panel shall rotate on 1 1/2" spherical bearings for long life. The packing panel shall not slide on tracks nor require wear blocks.
4. Two double-acting, single stage 3.5" bore hydraulic cylinders with a stroke of 10" shall power the pivoting sweep panel to ensure adequate sweep force to overcome difficult, bulky refuse.

B. TAILGATE (Cont'd)

5. The sweep panel shall rotate through an arc of over 100 degrees to ensure complete hopper clearance.



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6. The packing panel shall rotate through an arc of 45 degrees to ensure complete hopper clearance.
7. The packing panel/sweep panel combination shall be provided with steel tension bushings.
8. The tailgate, when opened or closed, shall latch and unlatch automatically. It shall be raised and lowered by two 3" bore, double-acting hydraulic cylinders incorporating an automatic fluid control valve to prevent precipitous tailgate descent in the event of a broken hydraulic line.

C. HOPPER

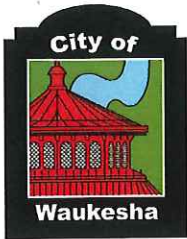
1. The lower hopper sides shall be constructed of 10GA GR80.
2. The hopper bottom shall be constructed of 3/16" AR450 185,000 min. yield steel plate. The hopper bottom shall not have or require reinforcements.
3. The hopper in the tailgate shall be 1.0 cubic yard volumetric and shall be 70" wide without extensions and shall provide a 6" safety gap between the hopper loading lip and the sweep panel when the sweep panel is up and the carriage is down.
4. The hopper shall be equipped with a 1.25" diameter drain plug that will retain liquid refuse when closed but which shall be capable of opening to drain/flush-out water.
5. Hopper Loading / Opening Width to be no less than 70"

D. HYDRAULIC SYSTEM

6. A heavy-duty power take-off, operated by a control from the cab of the truck and properly selected to produce adequate hydraulic pump speed, shall be bolted to the transmission of the truck.

D. HYDRAULIC SYSTEM (Cont'd)

7. To eliminate the need for U-joint and separate drive shafts, a balanced valve type hydraulic pump shall be bolted directly to the power take-off.
8. The power take-off/pump combination shall produce 22 GPM flow



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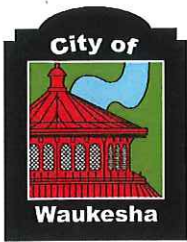
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and complete a packing cycle in 14 seconds with a minimum of attending engine noise.

9. Hydraulic fluid shall be contained in an easily accessible 20-gallon welded steel reservoir mounted inside the body and equipped with a sight gauge fluid level indicator.
10. A ten-micron replaceable element (spin-on) filter shall be incorporated in the hydraulic return line at the reservoir to trap contaminants in the fluid circulating through the system.
11. Hydraulic fluid under pressure shall be conducted to other components in the system through steel hydraulic tubing or steel wire braid reinforced rubber hydraulic hose.
12. The rubber hydraulic hose shall have an ultimate burst pressure of at least four (4) times normal system operating pressure.
13. Heavy-duty hydraulic cylinders shall be equipped with long life polyurethane seals throughout.
14. Piston rods shall be made of heavy chrome-plated alloy steel.
15. Hardened ball bushings shall be incorporated on the rod ends of each pack cylinder to accommodate bending stresses that can be imposed upon a cylinder when packing refuse that produces asymmetric loads on the system.
16. A full flow type shut-off valve shall be installed between the hydraulic reservoir and the pump.
17. The hydraulic packing system pressure shall be 2700 psi and shall be equipped with a system relief valve preventing the pressure from exceeding this limit.

D. HYDRAULIC SYSTEM (Cont'd)

18. Complete cycle time from start to finish must be no greater than 14 seconds.
19. All cylinders shall incorporate reinforced nylon wear-rings on the piston and rod to prevent metal-to-metal contact.



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20. All cylinder piston seals shall be reinforced Teflon. An o-ring shall be used to pre-load the seal.
21. All cylinder rod seals shall be a two-piece standard design with an excluder to provide positive protection from contaminants and must seal effectively from zero to maximum pressure.
22. A hydraulic valve arrangement, auto back-pack actuated by the forces imposed upon the ejector panel shall automatically control the forward motion of the ejector panel to produce dense packing of the refuse.

E. CONTROLS

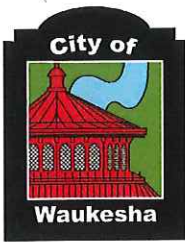
1. The packing control shall be a single hydraulic valve assembly shall be located on the right hand side of the tailgate and shall control all the functions of the packer. It will meet all ANSI Z245.1 safety standards. The cycle can be stopped or reversed at anytime.
2. The tailgate lift and ejection panel hydraulic controls shall be operated by a 2 spool valve activated from the front left hand side of the body.
3. An automatic engine accelerator switch shall be provided on the packing panel controls.

F. LIGHTS

1. Standard lights shall be supplied in accordance with FMVSS#108.

F. LIGHTS (Cont'd)

2. The upper light bar shall contain (2) of each 4" diameter LED stop/tail/turn/reverse lights, 2" diameter clearance and side marker lights.
3. The lower light bar shall contain two of each 4" diameter LED stop, tail, and turn.



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4. All LED lights shall have flexible gasket mountings, be sealed and have lexan covers.
5. Unit must be equipped with dual rear LED flush mount strobes.
6. Dual LED hopper work lights will be mounted in upper part of tailgate with switch located in the cab on the control panel.

G. ELECTRICAL SYSTEM

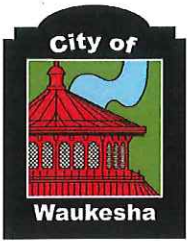
1. The body shall be equipped with approved clearance, warning, tail, license, stop and turn signal lights complying with ANSI 2255.1.
2. An electrical console shall be located inside the cab of the truck within view and easy reach of the driver.
3. This control console shall incorporate a system "on-off" switch, a system on indicator lamp (green), a supply line fuse and the driver alert buzzer. A red warning light will be provided to indicate when the tailgate is open / closed.
4. The curbside alert buzzer shall be operated by a switch located in the vicinity of the control handles on the tailgate.
5. The entire wiring system shall be color coded to allow easy circuit identification.
6. An external audio back-up alarm shall automatically activate when the truck transmission is shifted to reverse, or the tailgate is open.

I. PAINT

1. The entire unit shall be properly cleaned of all dirt, grease and weld slag prior to painting.

I. PAINT (Cont'd)

1. The body shall be prepared with a phosphate wash pre-coating etch covered with an automotive phenolic prime coat. Silver in color to match cab.
2. The complete unit shall be painted with two- (2) coats of DuPont Imron 5000 high solids to a minimum thickness of 4 mils. Paint must be forced dry after applying to ensure sufficient bond. Enamel or acrylic paint will not be acceptable.



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Bids Due: Feburary 24, 2017 at 12:00 P.M.

MAIL TO OR EMAIL:

kmjohnso@ci.waukesha.wi.us

**CITY OF WAUKESHA PARKS, RECREATION AND FORESTRY
 1900 AVIATION DRIVE
 WAUKESHA, WI 53188**

BID FORM

BIDDER: UnderCDL DBA Automerica Inc

ADDRESS:623 6th ST SE Box 656 Blooming Prairie MN 55917

MAKE AND MODEL: 2017 Isuzu NQR/6 Yard Wayne Quantum

DOES EQUIPMENT BID MEET MINIMUM SPECIFICATIONS?
 YES

IF ABOVE ANSWER IS "NO", LIST
 EXCEPTIONS:

DELIVERY WILL BE MADE 4 WEEKS AFTER RECEIPT OF ORDER.

LIST PRICE PER "SPECS" \$96,400.00 price includes body and cab
 paint, camera and delivery

TRADE-IN ALLOWANCE
 One (1) 2004 Chevy, 6 cu. yd. New Way
 Compactor \$15,000.00

NOTE:
City reserves the option to accept Or deny trade-in.

**NET COST OF 2017, 17,500 G.V.W.R.,
 6 CU. YD. GARBAGE PACKER \$81,400.00**



