

# CITY OF MOBILE

## BID SHEET

This is Not an Order

**Mailing Address:**  
 P. O. Box 1948  
 Mobile, Alabama 36633  
 (251) 208-7434

**Purchasing Department  
 and Package Delivery:**  
 Government Plaza  
 4<sup>th</sup> Floor, Room S-408  
 205 Government St  
 Mobile, Alabama 36644

**READ TERMS AND CONDITIONS  
 ON REVERSE SIDE OF THIS PAGE  
 BEFORE BIDDING**

Typed by: nm Buyer: 002

**Please quote the lowest price at which you will furnish the articles listed below**

DATE 09/27/2017	BID NO. 5084	DEPARTMENT Motor Pool	Commodities to be delivered F.O.B. Mobile to: As Specified
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**This bid must be received and stamped by the Purchasing office not later than: 11:00 A.M., Tuesday, October 17, 2017**

QUANTITY	ARTICLES	UNIT	UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
Appx. 1 - 10	<b>PURCHASE 31 CUBIC YARD SIDE LOADER                      REFUSE COMPACTOR TRUCKS</b>					
	Bid on this form ONLY. Make no changes on this form. Attach any additional information required to this form.					
	Purchase 31 Cubic Yard Side Loader Refuse Compactor Trucks. Provide Literature and Specifications on vehicles to be provided to the City of Mobile.					
	<b>CHASSIS</b>  Make _____ Model _____					
	<b>BODY</b>  Make _____ Model _____  Size _____ Cubic Yards _____					
	<b>CHASSIS GVW</b> _____					
	Page 1 of 4					
			<b>TOTAL</b>			

**RETURN ONE SIGNED COPY OF THIS BID  
 IN ENCLOSED ENVELOPE**

State delivery time within \_\_\_\_\_ days of receipt of P.O.

Firm Name \_\_\_\_\_

Typed Signature \_\_\_\_\_

By \_\_\_\_\_

We will allow a discount \_\_\_\_\_ % 20 days from date of receipt of goods and correct invoice of completed order.

1. All quotations must be signed with the firm name and by an authorized officer or employee.
2. Verify your bid before submission as it cannot be withdrawn or corrected after being opened. In case of error in extension of prices, the unit price will govern.
3. If you do not bid, return this sheet and state reason. Otherwise, your name may be removed from our mailing list.
4. The right is reserved to reject any, or all quotations, or any portions thereof, and to waive technicalities if deemed to be in the interest of the City of Mobile.
5. This bid shall not be reassignable except by written approval of the Purchasing Agent of the City of Mobile.
6. State brand and model number of each item. All items bid must be new and latest model unless otherwise specified.
7. If bid results are desired, enclose a self-addressed and stamped envelope with your bid. (All or None bids only)
8. Do not include Federal Excise Tax as exemption certificate will be issued in lieu of same. The City is exempt from the Alabama and City sales taxes.
9. PRICES ARE TO BE FIRM AND F.O.B. DESTINATION UNLESS OTHERWISE REQUESTED.
10. BID WILL BE AWARDED ON ALL OR NONE BASIS UNLESS OTHERWISE STATED.
11. Bids received after specified time will be returned un-opened.
12. Failure to observe stated instructions and conditions will constitute grounds for rejection of your bid.
13. Furnish literature, specifications, drawings, photographs, etc., as applicable with the items bid.
14. Vendor May be required to obtain City of Mobile Business License as applicable to City of Mobile Municipal Code Section 34-50. For Business License inquiry contact the Revenue Department at (251) 208-7461 or [cityofmobile.org/taxes.php](http://cityofmobile.org/taxes.php).
15. If a bid bond is required in the published specifications, see below:  
Each Bid Shall be Accompanied By A **Cashier's Check, Certified Check, Bank Draft Or Bid Bond** For the Sum Of Five (5) Percent Of The Amount Bid, Made Payable To The City Of Mobile And Certified By A Reputable Banking Institution. All Checks Shall Be Returned Promptly, Except The Check Of The Successful Bidder, Which Shall Be Returned After Fulfilling The Bid.
16. Contracts in excess of \$50,000 require that the successful bidder make every possible effort to have at least fifteen (15) percent of the total value of the contract performed by socially and economically disadvantaged individuals.
17. All bids/bid envelopes must have the bid number noted on the front. Bids that arrive unmarked and are opened in error shall be returned to vendor as an unacceptable bid.
18. If successful vendor's principal place of business is out-of-state, vendor may be required to have a Certificate of Authority to do business in the State of Alabama from the Alabama Secretary of State prior to issuance of a Purchase Order. Vendors are solely responsible for consulting with the Secretary of State to determine whether a Certificate is required. See [www.sos.alabama.gov/BusinessServices/ForeignCorps.aspx](http://www.sos.alabama.gov/BusinessServices/ForeignCorps.aspx). Please note that the time between application for and issuance of a Certificate of Authority may be several weeks.
19. Vendors do not need a City of Mobile Business License or Certificate of Authority from the Alabama Secretary of State to submit a bid, but will need to obtain the Business License and Certificate of Authority, if applicable, prior to issuance of a Purchase Order.

**BID CONTINUATION SHEET**

QUANTITY	ARTICLES	UNIT	UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cent
	<p align="center">Page 2 of 4</p> <p><b>ENGINE DATA:</b></p> <p>Make _____ Model _____</p> <p>Horsepower _____</p> <p><b>TRANSMISSION:</b></p> <p>Make _____ Model _____</p> <p><u>Chassis Dealer Service Location:</u> _____</p> <p><u>Body Dealer Service Location:</u> _____</p> <p>Vendor shall provide a New 31 Cubic Yard Side Loader Refuse Truck to the City of Mobile upon issuance of a purchase order.</p> <p>Vendor shall provide the City the same model and chassis for All units. Model year can change but Chassis and body models shall remain the same.</p> <p>Vendor shall be responsible to provide a service plan for all normally serviced items as per the Chassis and Body manufacturer's owner's manual for five (5) years or 200,000 miles.</p> <p><u>Service and Warranty plans shall include the following:</u></p> <p><b>CHASSIS SERVICE PLAN:</b> 4 xs per year for five (5) years, a PM Service with oil, oil filter, fuel filters, check all fluid levels, grease chassis, 21 point inspection.</p> <p><b>CHASSIS:</b> Done twice over Five (5) years: Transmission fluid and filter change, crankcase pressure filter.</p>					
			<b>TOTAL</b>			

**RETURN ONE SIGNED COPY OF THIS QUOTATION IN ENCLOSED ENVELOPE**

**READ ABOVE INSTRUCTIONS BEFORE QUOTING**

Firm Name \_\_\_\_\_

By \_\_\_\_\_

We will allow a discount \_\_\_\_\_ % 20 days from date of receipt of goods and correct invoice of completed order.

**BID CONTINUATION SHEET**

QUANTITY	ARTICLES	UNIT	UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
	<p align="center">Page 3 of 4</p> <p><u>Service and Warranty plans shall include the following continued:</u></p> <p>CHASSIS: Once per year for five (5) years: Overhead adjustment, air filter replacement, DPF cleaning, ECM resetting.</p> <p>BODY SERVICE: Twice per year for five (5) years: Hydraulic oil change and filters, quarterly inspection and greasing of body, pressure testing.</p> <p>Five (5) year warranty on chassis, engine, after treatment, transmission.</p> <p>Five (5) year warranty on body, hydraulics, cylinders, arm. Not on wear items.</p> <p>Successful Vendor shall provide a five (5) year/200,000 mile Service Plan on the Refuse Trucks, as well as, an extended warranty on both the Chassis and the Body.</p> <p>Vendor shall be responsible for all maintenance on the units. The City will do daily/weekly maintenance and be responsible for any damage due to mis-use or accident.</p> <p>Vendor to deliver unit(s) to the City and provide training sessions on the use and service of the vehicles provided.</p> <p><b>City of Mobile Business License Required – See Item 14 (on reverse side).</b></p> <p>All vendors will be required to provide verification of Enrollment in the E-Verify program. Additional information may be found at <a href="http://immigration.alabama.gov/">http://immigration.alabama.gov/</a></p>					
			<b>TOTAL</b>			

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Firm Name \_\_\_\_\_

By \_\_\_\_\_

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# BID CONTINUATION SHEET

QUANTITY	ARTICLES	UNIT	UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cent
	Page 4 of 4					
	<p>If the successful vendor's principal place of business is out-of-state, vendor may be required to have a Certificate of Authority to do business in the State of Alabama from the Secretary of State prior to issuance of a Purchase Order.</p> <p>Vendors are solely responsible for consulting with the Secretary of State to determine whether a Certificate is required. See: <a href="http://www.sos.alabama.gov/BusinessServices/ForeignCorps.aspx">www.sos.alabama.gov/BusinessServices/ForeignCorps.aspx</a>. Please note that the time between application for the issuance of a Certificate of Authority may be several weeks.</p> <p>Upon notification, vendor will have 10 business days to provide the Certificate of Authority and the E-Verify numbers to the Purchasing Department before award can be completed.</p> <p>(Vendors will possibly need to pay the expedite fee to meet this requirement because application is not sufficient. We must have a copy of the certificate with your Company ID number).</p> <p>Vendors do not need a City of Mobile Business License or Certificate of Authority from the Alabama Secretary of State, nor the E-Verify for certification to submit a bid, but will need to obtain the Business License and Certificate of Authority verification and/or provide the E-Verify Certification, if applicable, prior to issuance of a Purchase Order.</p> <p>Pricing to be good for a one (1) year period following the award of this bid. At the option of the City of Mobile and the successful vendor the award of this bid may be extended for two (2) additional one (1) year periods.</p> <p><b>TO BE AWARDED ALL OR NONE</b></p>					
			<b>TOTAL</b>			

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Firm Name \_\_\_\_\_  
By \_\_\_\_\_

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# NEW & UNUSED SIDE LOADING AUTOMATED TRUCKS

Meets Specifications:  
 YES NO

## Section 1 APPLICATION

- 1.1 It is the intent of these specifications to describe the minimum requirements for a NEW automated Side Loading refuse compactor body. \_\_\_\_\_
- 1.2 The capacity shall be 31 cubic yards. \_\_\_\_\_
- 1.3 Features standard to this unit will be furnished by the successful bidder. Body shall conform in strength, quality of material, and workmanship to that provided by the best engineering and manufacturing practices of the industry. \_\_\_\_\_
- 1.4 All equipment shall be new model design, assembled and ready for operation at the time of delivery. \_\_\_\_\_
- 1.5 Bidders shall attach a statement that the unit meets or exceeds these specifications and/or list any exceptions fully and accurately. \_\_\_\_\_

## Section 2 GENERAL

- 2.1 Refuse body will have a capacity of 31 cubic yards. \_\_\_\_\_
- 2.2 Packer body capable of packing 950 pounds per cubic yard of dry household trash. \_\_\_\_\_
- 2.3 Hopper shall have a minimum capacity of 6 cubic yards. \_\_\_\_\_
- 2.4 Packer must meet all applicable standards. \_\_\_\_\_

## Section 3 BODY CONSTRUCTION (The following specifications are minimums.)

- 3.1 The body shall be all welded construction. \_\_\_\_\_
- 3.2 Body thickness minimum is 10 gauge Hardox 450, 174,000 psi strength. \_\_\_\_\_
- 3.4 Body floor is 7 gauge AR 235, 70,000 psi. \_\_\_\_\_
- 3.5 Sides, front and rear to be reinforced for strength requirements. \_\_\_\_\_
- 3.6 Reinforcement design and characteristics dependent upon construction methods used, but they must be certified to meet the specified compacting requirements without body distortion. \_\_\_\_\_
- 3.7 Unit shall have a shovel holder. \_\_\_\_\_

7.2 The arm will consist of three main horizontal mast sections, one vertical lift section with 2 arms.

\_\_\_\_\_

7.6 There will be 6 combination bearings that the mast assembly rides on. The bearing surfaces must be of a 62 Rockwell hardness on the C scale.

7.8 There will be 2 lift arms 1" thick, 3.475" wide, and approximately 26" long..

\_\_\_\_\_

7.9 The lifting mechanism must be mounted to the chassis. Lifting mechanism's mounted to the body will not be acceptable.

\_\_\_\_\_

7.10 The mechanism shall be spring steel and have the capability of gripping containers within the range previously mentioned without having to change grip arm configurations.

\_\_\_\_\_

7.11 Gripping force is to be adjustable to provide container retention and also for limiting the radial force applied to prevent container damage.

\_\_\_\_\_

7.12 Lifting mechanism shall be capable of a complete cycle, which includes grip, lift, dump, undump, lower, and ungrasp in a maximum of 10 seconds.

\_\_\_\_\_

7.13 The mechanism shall be capable of lifting, raising, dumping, and returning containers from any position within its reach.

\_\_\_\_\_

7.14 The mechanism shall incorporate serviceable bearings at the grip, pivot, and extension-retraction points to ensure smooth operation and long service life.

\_\_\_\_\_

7.15 The "reach" of the mechanism shall extend a minimum of 144" from its fully retracted to pivot, and extension-retraction points to ensure smooth operation and long service life.

\_\_\_\_\_

7.16 The mechanism will be capable of lifting 1,000 lbs. at any point to which the arm is extended. "Note" The "Bidder" shall provide "Certification" of this capability with their bid.

\_\_\_\_\_

7.17 The container shall be tilted a minimum of 45 degrees past horizontal to provide for full dumping.

\_\_\_\_\_

## Section 8 TAILGATE

8.1 The tailgate is to be hinged at or above the roofline using high strength steel hinges it is to be raised for load dumping by 2 double acting cylinders mounted on the outside of the tailgate. These cylinders shall be of a design that will prevent rapid lowering of the tailgate in case of a hydraulic component failure.

\_\_\_\_\_

8.2 The tailgate cylinders shall have chrome plated rams. Cylinder dimensions will be 3" bore diameter, 2" ram, and a 30" stroke.

\_\_\_\_\_

8.3 The tailgate is to be released and locked with no moving parts other than the two (2) primary lift cylinders and associated locking mechanisms.

\_\_\_\_\_

8.4 A gasket is to be affixed to the tailgate to provide a watertight seal between the body and tailgate.

\_\_\_\_\_

8.5 The tailgate must be equipped with a tailgate ajar switch with audible and visible warning devices fixed in the cab which comply with ANSI standards and warns when the tailgate is partially to completely open.

\_\_\_\_\_

8.6 Body hinge structures must be of proper design, materials, and construction to support the tailgate.

\_\_\_\_\_

8.7 Tailgate maintenance safety props shall be provided.

\_\_\_\_\_

8.8 Tailgate bubble is Hardox 450 or equal, 174,000 psi, tailgate sides are 10 gauge 80,000 psi steel.

\_\_\_\_\_

**Section 9 EJECTION-DUMPING SYSTEM:**

9.1 Dumping is to be accomplished by raising the body. Ejection is Not Allowed

\_\_\_\_\_

9.2 Dumping shall be done by means of a single telescoping, center mounted, hydraulic cylinder capable of lifting the box when compacted to maximum capacity. Hoist cylinder is a Nitrate treated, 4 stage cylinder, with a 180" stroke. Bore diameter of the cylinder from largest to smallest is 6 1/2", 5 1/2", 4 1/2", 3 1/2".

\_\_\_\_\_

9.3 The body dump angle shall be such that all refuse in the box will be removed without sticking or bridging. Body dump angle is 45 degrees.

\_\_\_\_\_

9.4 All dumping controls will be a basic control panel system that is cab mounted. Control panel must be interlocked with a manual override to prevent accidental refuse discharge.

\_\_\_\_\_

9.5 All ejection/dumping controls shall be operated from inside the cab.

\_\_\_\_\_

**Section 10 HYDRAULIC SYSTEM:**

10.1 The hydraulic system is composed of 2 vane pumps, one for body functions, and one for arm functions. Pumps have a common suction. Hydraulic pump model is Denison T6DC. D cartridge is for body function, C cartridge is for arm function. The hydraulic pressure body line shall be made up of a Denison Eco System with a 12 volt DC in line mounted solenoid which diverts the flow back to the Inlet when the pump is not engaged and a flow control block which diverts excess flow back to the Inlet. Body functions pump maximum flow is 30 gpm @ 700 rpm. Arm functions pump maximum flow is 22 gpm @ 700 rpm. Hydraulic system pressure relief for the body is 2500 psi and for the arm it is 2000 psi.

\_\_\_\_\_

10.2 Pump capacity shall not be less than 52 gpm @700 rpm.

\_\_\_\_\_

10.3 Factory installed relief valves shall be incorporated into the system and set at 2500 psi for body functions and 2000 psi for Arm functions.

\_\_\_\_\_



10.4 A 10 micron absolute filter is installed in the return line. \_\_\_\_\_

10.5 Hydraulic tank is to be frame mounted and equipped with a 10 micron breather element and eye level sight gauge. Tank location will be determined by body configuration. \_\_\_\_\_

10.6 Hydraulic reservoir tank capacity must be at least 78 gallons. \_\_\_\_\_

10.7 Hydraulic system must contain cylinders capable of performing the Operational requirements set forth in these specifications. \_\_\_\_\_

10.8 Hydraulic hoses are to be SAE approved construction with hose burst pressure 4 times working pressure and have protective coverings. \_\_\_\_\_

10.9 Hydraulic control assemblies must be located so that at no time or load Condition it becomes necessary to remove the load to service these components. \_\_\_\_\_

10.10 All cylinders must have the latest design sealing materials. \_\_\_\_\_

10.11 Unit must have protective cover on pack manifold. \_\_\_\_\_

10.12 Unit must have hydraulic shutdown when filter in bypass mode \_\_\_\_\_

**Section 11 CONTROLS:**

11.1 All compactor operating controls are to be located in the truck cab and mounted for operator convenience and comfort. \_\_\_\_\_

11.2 Warning signals shall be incorporated into all circuits monitoring abnormal compactor operations. \_\_\_\_\_

**Section 12 LIGHTING AND WIRING:**

12.1 All lights and reflectors shall be in accordance with Federal and State I.C.C. Motor Vehicle Safety Standards. \_\_\_\_\_

12.2 Provisions will be made for maximum visibility and may include 2 red stop-tail lights, 2 red turn-tail lights, and an I.D. cluster. All lights must be L.E.D. \_\_\_\_\_

12.3 A lighted license plate bracket will be provided. \_\_\_\_\_

12.4 Unit must include arm, hopper, and side mounted work lights. \_\_\_\_\_

12.5 Unit must have Smart Light Strobe Package on Top and Lower of Body Door \_\_\_\_\_

**Section 13 PAINTING:**

13.1 All components will be properly cleaned prior to priming. \_\_\_\_\_

3.8 Unit shall have a clean out tool. Unit shall have dual cleanout doors with a dimension of 12" x 16" each.

\_\_\_\_\_

**Section 4 BODY DIMENSIONS**

4.1 Body height above truck frame is not to exceed 108".

\_\_\_\_\_

4.2 Outside width of the body is not to exceed 96".

\_\_\_\_\_

**Section 5 HOPPER**

5.1 The hopper shall have a minimum capacity of 6 cubic yards.

\_\_\_\_\_

5.2 The hopper floor shall be a minimum of 1/4" abrasion resistant steel.

\_\_\_\_\_

5.3 The hopper sides are to be a minimum of 1/4" AR 400 abrasion resistant steel.

\_\_\_\_\_

5.4 A hydraulic crusher panel will be furnished to prevent refuse loss during transport.

\_\_\_\_\_

5.5 A ladder or foot supports with grab handles shall be designed to meet OSHA standards and provide easy access to the hopper area.

\_\_\_\_\_

5.6 The hopper shall have a minimum displacement rate of 5.4 cubic yards per minute.

\_\_\_\_\_

**Section 6 PACKING MECHANISM**

6.1 The packing panel is to be 3/8" 50,000 psi steel.

\_\_\_\_\_

6.2 The packing mechanism is to retain compacted material in the body.

\_\_\_\_\_

6.3 Length of the packing cycle is to be determined by proximity switches. When the Auto Pack feature sees maximum pressure 3 consecutive times it shuts off indicating that the packer is full.

\_\_\_\_\_

6.4 Packing features are dependent upon each manufactures design, but must be capable of accomplishing the requirements set forth in these specifications. It must also fulfill the operational claims made by the manufacturer.

\_\_\_\_\_

6.5 Packing shall complete a pack cycle in a maximum of 20 seconds at idle speed.

\_\_\_\_\_

6.6 Packing cylinder sleeves are chrome plated single stage cylinders. Cylinder dimensions are cylinder bore diameter is 4 1/2", cylinder rod diameter is 3", and stroke length is 43".

\_\_\_\_\_

**Section 7 LIFTING AND GRIPPING MECHANISM**

7.1 The lifting mechanism shall be capable of gripping, lifting, raising, and dumping containers from 36 to 110 gallons with the use of a joy stick. The joy stick shall be conveniently located to the left of the operator. An ergonomically designed padded armrest shall be provided to support the operator's arm during operation.

\_\_\_\_\_

13.4 Paint to be high gloss white.

\_\_\_\_\_

**Section 14 CAMERAS:**

14.1 Three (3) Color Cameras will be provided: 1<sup>st</sup> placed in the rear for use as a backup camera. 2<sup>nd</sup> placed to monitor hopper area. 3<sup>rd</sup> placed to monitor arm

\_\_\_\_\_

14.2 Color Camera monitor shall be mounted in the cab and be fully adjustable flat screen type with split screen option so all camera views can be displayed at one (1) time and automatically switch to full screen backup camera when unit is shifted to reverse.

\_\_\_\_\_

14.3 The Cameras' shall be Safety Vision or equal.

\_\_\_\_\_

14.4 Protective cases shall be provided for the cameras.

\_\_\_\_\_

14.5 All Cameras' shall have shields to minimize sun glare.

\_\_\_\_\_

**Section 15 OTHER:**

15.1 Two complete sets of operators, parts, and service manuals will be supplied for truck chassis and refuse body.

\_\_\_\_\_

Warranty on body to be performed on site at City garage

\_\_\_\_\_

Bidder to keep in stock at service/parts facility all cylinders, joystick controller, Proximity sensors, and valves.

\_\_\_\_\_

**CHASSIS :**

Must Be Cabover Chassis

\_\_\_\_\_

Must be 2017/2018 chassis NEW UNUSED

\_\_\_\_\_

Is chassis NEW & UNUSED?

\_\_\_\_\_

Is body NEW & UNUSED?

\_\_\_\_\_

Must be Sitdown Right Hand Drive

\_\_\_\_\_

Must have Air Ride Seat for RH Drive

\_\_\_\_\_

Must have A/C and Radio

\_\_\_\_\_

ALL EXCEPTIONS MARKED "NO" MUST BE EXPLAINED IN DETAIL



## PURCHASING DEPARTMENT

**Potential bidders are responsible to check this site for any ADDENDUMS that are issued. It is the responsibility of the BIDDER to check for, download, and include with their BID RESPONSE any and all ADDENDUMS that are issued for a specific BID published by the City of Mobile. Failure to download and include ADDENDUMS in your BID RESPONSE may cause your bid to be rejected.**

**This is a sealed bid. Any responses faxed or e-mailed will be rejected.**

**This is a sealed bid. Any response must be submitted in a sealed envelope with the bid number and bid opening date on the outside of the envelope.**

**Any response that arrives improperly marked or with no bid number and opening date on the outside of the delivery or express package and opened in error will be rejected and not considered.**

**It is the responsibility of the bidder to insure that their bid response is delivered to and received in the Purchasing Department before the date and time of the bid opening.**

**Be sure to read the Terms and Conditions. All bids are F.O.B. Destination unless otherwise stated.**

**Be sure to sign your bid!**

**Package/Bid Delivery Address:  
Purchasing Department  
205 Government St. Room S408  
Mobile, AL 36644**

**(Request First Delivery)**