



City of Conway
Office of the Mayor

Mayor Tab Townsell

www.cityofconway.org

**INVITATION
TO THE VENDOR ADDRESSED:**

Bidders are invited to furnish the items listed herein in accordance with the terms and conditions attached. **Sealed** bids must be in the Office of the Mayor; no later than **10:00am, Monday, July 14th, 2014** at which time all bids will be opened and read in the Downstairs Conference Room in City Hall. Successful bidders will receive purchase order, within 30 days after City Council approval, if necessary. **Unsigned bids will be rejected.**

Invitation to Bid No. 2014-16

Conway Sanitation Department

2014 BAILING SYSTEM

SPECIFICATIONS FOR A 2014 BAILING SYSTEM FOR THE CITY OF CONWAY

It is intended that the following set of bid specifications be used as a guideline for a 2014 new and unused bailing system for the City of Conway's existing Material Recycling Facility. The system must be delivered, installed, and ready to use on site. Bidder must have trained technicians capable of installing, performing warranty work, and maintenance work on all pieces of equipment installed.

Bidder must provide the proper training necessary for our operators to operate and perform preventative maintenance on all equipment installed. Parts and service manuals shall also be provided with this unit.

Awarded bidder must deliver and install completed unit within 60 days after receiving notice of award via a City of Conway issued, signed, and dated Purchase Order.

All specifications are set at a minimum. Any exceptions must be listed and submitted to the City of Conway Sanitation Dept. within five business days before bid is awarded.

If you have any questions regarding the bid specifications please contact

Danny Alford @ 501-733-6049

2 RAM BAILER SPECS:

It is the intent of this specification to describe a 2-Ram baler capable of baling multiple materials to include but not limited to cardboard, newspaper, aluminum cans, plastic containers, bi-metal food containers and other MRF related materials. Any exceptions to the specification must be clearly detailed on a separate sheet and included with the bid.

General:

The baler must be capable of displacing 24,900 cubic feet of material per hour and produce 50 cubic foot bales with densities "up to" the amounts defined below.

Minimum Bale Weights and Densities

• OCC	up to 1,600 lbs.	32 lbs/cu.ft.
• News Print	up to 1,600 lbs.	32 lbs/cu.ft.
• Mix Office Paper	up to 1,600 lbs.	32 lbs/cu.ft.
• Old Sheet Aluminum	up to 1,900 lbs.	38 lbs/cu.ft.
• PET	up to 1,400 lbs.	28 lbs/cu.ft.
• Aluminum Cans	up to 1,100 lbs	22 lbs/cu.ft.
• Steel Cans	up to 2,000 lbs	40 lbs/cu.ft.
• MSW	up to 2,500 lbs	50 lbs/cu.ft.

Body:

The baler shall be constructed from heavy plates, shapes and structural members properly jigged and fixtured to ensure proper alignment. CAD designed & documented and reinforced & braced as required to meet rigid engineering standards.

Liners:

Body Floor; ½" thick Brinell 500 hardness, sectional in design for ease in replacement
Ram Bottom; 3/8" thick Brinell 500 hardness
Tongue and Groove body floor; ½" thick Brinell 400 hardness
Tongue and Groove Ram Bottom; ½" thick Brinell 400 hardness
Body Sides; 3/8" thick Brinell 500 hardness

Dimensional Specifications:

Clear Top Opening: 84" long X 57-3/4" wide
Clear Top Opening w/Stamper: 75 1/8" long X 57-3/4"
Charge Box: 84" long X 60" wide X 28" deep
Baler Length: 30' 9"
Baler Width: 18' 6"
Shipping Height: 92"
Baler Weight with Door: 76,000 lbs. without power unit (DRY WEIGHT MINIMUM)

Minimum Performance Data:

Compressing Ram Force: 314,100 lbs. – 157 tons – 188 PSI

Ejector Force: 201,000 lbs. – 100 tons - 199 PSI

Cycle Time (MAXIMUM): 11.8 seconds

Eject Time (5 ties plug bale): 28 seconds

The compression and ejector cylinders to be cross-tube self-adjusting mounted.

The main ram MUST penetrate the bale chamber to within 5” of the end wall of the bale chamber 90% MINIMUM. (Full Penetration)

Production Rates:

<u>Incoming Material Density:</u>	<u>Tons Per Hour:</u>
1.5 lbs per cubic foot	10.3
3.0 lbs. per cubic foot	17.2
4.5 lbs. per cubic foot	21.3
6.0 lbs. per cubic foot	23.9

Power Unit:

Horsepower: 100 Total (REDUNDANT 2x50HP)

Motor: Dual 50 HP TEFC redundant style

Voltage: 460 volt, 3-phase, 60 Hertz

GPM: 274

Oil Capacity: 600 gallons

System Pressure: 4,000 psi

Pumps: Low Pressure Vane Pump and High Pressure Piston Pump, Flooded Suction Type with High Flow Manifold

Hydraulic Circuit: Regenerative

Cooler: 3 HP, air-to oil cooler

Circulating Pump: 20 HP

Filtration: 10 Micron

Tier Flow- 12 GPM

Location: Floor mounted at the rear of the baler on the ejector side of the compression cylinder

Controls:

Programmable Controller: Allen Bradley Micrologix 1500 w/Diagnostics

- Diagnostics to include but not limited to the following:

1. Low oil level shutdown
2. High Oil Temperature Shutdown
3. Filter Clogged
4. Limit/Safety Switch Faults

Operator Interface: Enhanced Maestro Color Touch Screen

- Operator Interface to include but not limited to the following:
 1. Multi-Language
 2. 3 levels of security (operator, supervisor & maintenance)
 3. Trouble shooting
 4. Automatic and Manual Operation
 5. Conveyor Control
 6. 20 Material Recipes

Control Voltage: 24 volt DC- 120 VAC

Controls: PLC Controls with Bale Recipes and Diagnostics

Motor Control Center: UL Listed, NEMA 12 Enclosure

Disconnect: Fused and Lockable

Starting Arrangement: Across the line or WYE-Delta (**Optional**)

General Features and Requirements:

MUST HAVE THE FOLLOWING:

Lower Photocell: For Automatic Ram Cycling

Upper Photocell: For control of existing In-Feed Conveyor

Integrated in Baler Control Panel 15 Horsepower Variable Frequency Drive (VFD): For control of existing In-Feed Conveyor

Hopper Extension: Transition from conveyor to Baler Hopper 84”L X 60” W Conveyor Head Pulley Height 12 feet from finished floor

Operators Platform: Operators platform with stairs, mounted control panel and hopper viewing window. To be mounted over ejector assembly.

Bale Separation/Release Door: Serves as a separation door, bale release, bale clamp and allow for 7” of bale size variation. The bale door must be positioned by laser transducer; limit switches and proximity switches are not acceptable.

Automatic Wire Tier: Accent model 470

Stamper Anti-Jamming System: Hydraulic ram mounted vertically above the shear beam, activated automatically to clear jams at the shear.

Main Ram Positioning: Long-range laser ram positioning. No limit switches or string lines.

Ejector Positioning: Laser ejector positioning, allows precise strap placement and eliminates star wheels.

Modem: The baler must be equipped with a modem for remote trouble shooting and diagnostics.

Body Shear: Must be externally adjustable, 3 shear blade arrangement that shears from the outside in steps toward the centerline of the main ram, creating a serrated edge. The blades must be able to be flipped with 2 usable cutting edges per blade.

Ram Shear Blade: Two solid straight edged blade that is reversible and can flipped with 4 cutting edges.

Warranty: Minimum of one year parts, one year labor, 5 years against structural defect. Include a copy on the manufactures standard warranty with the bid.

Parts: The manufacturer is to leave the original part manufacturers number on all purchased parts. (NO PRIVATE LABELED PARTS)

Start-Up and Training: A factory technician will be required for (3) 8-hour days of on-site start-up and training to cover operations and maintenance.

References: Must include 5 references for the model baler bid.

Manufacturer Qualifications: The baler manufacturer must have 10 years of 2-ram baler manufacturing experience and be financially secure and stable enough as to offer support years after the initial purchase.

The successful bidder must have a service center, staffed full time (M-F 8-5pm) with factory trained service technicians, and a stocked parts department within 50 miles of the Recycling Center. Proof of physical address required.

Installation to be performed by factory trained technicians and to include: Offloading of new baler, removal of existing baler, and installation of new baler as well as integration of existing steel belt conveyor with new baler (mechanically and controls).

Freight to Conway, Arkansas to be included

Trade In:

Trade in value to be offered for existing Marathon Two Ram 310-84 Wide Model Baler with 2x50hp Power Unit

Additional Information:

- The bid shall be itemized for each product.
- The bidder shall include all charges, including taxes, fees, shipping (if applicable)
- Bidder shall understand this is the minimum specifications, no bids will be considered that do not meet the above specifications
- The bidder needs to include an anticipated delivery date (if applicable)
- In submitting this bid, it is understood by the undersigned bidder that the right is reserved by the City of Conway to reject any and all bids, to waive any informalities, and to accept the bid deemed to be in their best interest.

Contact person:

Danny Alford @ 501-733-6049

Bid specifications can be obtained from our website:

www.cityofconway.org

Please ensure timely delivery by 10:00am prior to the bid date regardless of delivery method.

All bids must be sealed. No faxed or emailed bids will be accepted.

As always the City of Conway appreciates your business.



City of Conway – Mayor’s Office

Bid Number: 2014-16

Conway Sanitation Department _ 2014 Ram Baler Bid Submittal

Bid Opening Date: Monday, July 14th, 2014

City Hall, Downstairs Conference Room @ 10:00am

Bid Amount for 2-Ram Baler \$ _____

Trade In Amount for
Marathon Two Ram 310-84 Wide Model
Baler with 2x50hp Power Unit \$ _____

Authorized Agent bidding on this project:

Company Name

Company Representative Name

Representative’s Signature Date

Address Email Address

City State Zip

Telephone Number Fax Number

Unsigned bids will be rejected

City of Conway – Mayor’s Office
Terms & Conditions
www.cityofconway.org
Important – Read Carefully

By Submission of bid, bidder certifies that he has read all terms and conditions and that bid is submitted in accordance therewith.

1. Prices quoted will be considered to be net prices unless otherwise stated by the bidder. Cash discounts requiring payments in less than 30 days will not be considered in making awards.
2. Prices quoted shall be FOB Conway unless otherwise specifically stated on proposal. In either case, delivery charges must be prepaid.
3. All charges including taxes, shipping, freight, and any miscellaneous taxes shall be included in prices quoted, if applicable.
4. Bidder certifies that he will make delivery of items for which he bids within 10 days after receipt of award – ***unless otherwise specifically stated***. Time of delivery in excess of 10 days may be considered a factor in making awards.
5. In case of default of contractor in making deliveries as per contract, the City may procure the articles or services from other sources and hold the contractor responsible for all excess costs occasioned thereby. Bidder’s record as to satisfactory performance under previous contracts will be considered a factor in making awards and retention on bid lists.
6. The City reserves the right to reject any or all bids, in part or in whole and to waive information in bids received.
7. If not otherwise specified, bidder must furnish brand names with catalog number, if any, on items which are offered as “equal.” In all such cases the burden of establishing equality is upon the bidder and failure to do so within a reasonable time may result in rejection. Alternative bids will not be considered unless no other type bid for the item is received.
8. In the case of equal or tie bids, preference will be given to Arkansas bidders. Other than as stated in the first sentence, awards on tie bids will be made at the discretion of the purchasing official. In such cases, “splitting” will be avoided and awards of previous contract(s) to one or more of the bidders will not be a factor.
9. In the event that bidder is unable to furnish all of an item, bids on portions thereof may be considered.
10. Final inspections and acceptance or rejection will be made after delivery. Items rejected because of non-conformance shall be removed and replaced immediately with those which meet specifications, all at the expense of the contractor. In the event that necessity requires the use of non-conforming items, payment therefore will be made at a proper reduction in price which shall be not greater than contractor’s actual cost by purchase, fabrication, manufacture or other production method plus transportation paid to carriers. All costs in connection with testing items that do not meet specifications shall be paid by contractor.
11. Quality, time of performance, probability of performance, and location of bidder will be factors in awards of all contracts.
12. The City reserves the right to purchase any, all or none of the items listed, in combinations thereof that may be in the best interest of the City of Conway.
13. The City reserves the right to change any specifications, terms and/or conditions at any time, with adequate notice in writing to bid invitees of those changes, if any.
14. The City is qualified for “GSA” pricing schedules, ***if available and applicable***.
15. The City reserves the right to waive any informalities or minor defects, but this shall not be construed to indicate waiver of any specification, term and/or condition unless in the best interest of the City in the judgment of the City.
16. **CONSTRUCTION/INSTALLATION:** Any construction work that is worth \$20,000 or more must comply with Arkansas Code Annotated § 22-9-204.
17. **Arkansas Prevailing Wage Law A.C.A. §22-9-301 through 3-15:** The City of Conway, general contractors or any subcontractors is subject to the Arkansas Prevailing Wage Law, A.C.A. **§22-9-301 through 3-15**. The Labor Standards Division enforces laws related to [prevailing wage](#) (PDF). Arkansas’s prevailing wage law is commonly referred to as the "little Davis-Bacon Act." The law requires the division to issue a wage determination for each public works project where the cost of all labor and materials exceeds \$75,000.

Exemptions are public school construction; work done for or by any drainage, improvement, or levee district; highway, road, street or bridge construction and maintenance, or related work contracted for or performed by incorporated towns, cities, counties, or the Arkansas Highway Department. If you need a copy of the Prevailing wage Regulation and Laws that are required; this information is available at http://www.arkansas.gov/labor/pdf/prevailing_wage_regs.pdf.

18. **PROHIBITED INTEREST CONDITION:** No official of the City authorized on behalf of the City to specify, plan, design, negotiate, make, accept or approve, or take part in specifying, planning, negotiating, making, accepting or approving any construction or material purchase contract or any subcontract in connection with any purchase made by the City of Conway shall become directly or indirectly interested personally in the purchase in the purchase or any part thereof.
19. **EQUAL OPPORTUNITY IN EMPLOYMENT:** All qualified bidders will receive consideration without regard to race, color, religion, sex, age, disability or national origin.