

FIFTEEN ROPE FERRY ROAD



WATERFORD, CT 06385-2886

**TOWN OF WATERFORD
BOARD OF SELECTMEN
INVITATION TO BID
THREE (3) SIDE LOADING REFUSE COLLECTION TRUCKS
Bid # 11-101**

The Purchasing Agent will receive sealed bids for three (3) Side Loading Refuse Collection Trucks until 2:00 p.m. on August 20, 2010. Bids must be submitted in a sealed envelope and clearly marked with bid title, bid number, time of bid opening and date. Bids may be mailed or hand-delivered to the Finance Office, Town of Waterford, 15 Rope Ferry Road, Waterford, CT 06385. Specifications are available at <http://www.waterfordct.org/depts/finance/purchasing.htm> or may be picked up at the Finance Office 15 Rope Ferry Rd Waterford, Connecticut. Any questions regarding specifications, policies and procedures are to be directed to the Purchasing Agent at krotella@waterfordct.org

Potential Bidders are responsible for checking the Town of Waterford website at <http://www.waterfordct.org/depts/finance/purchasing.htm> for any addendums and updates regarding this Bid.

The Board of Selectmen reserves the right to reject any or all bids, in whole or in part, and to waive technical defects, irregularities or any informality in any bid when such action is deemed in the best interest of the Town; their decision is final.

Kate Rotella
Purchasing Agent
August 3, 2010

INTRODUCTION AND INFORMATION:

The Purchasing Agent will receive sealed bids for the Three (3) Side Loading Fully automated refuse Collection Bodies with Cab over tandem Chassis as specified, for the Waterford Public Works Department.

The Town of Waterford is eligible in most cases to receive State contract pricing options along with other Purchasing Consortiums. Each bidder should check with the applicable State or Purchasing consortium to determine if the pricing for such commodities has been extended to political subdivisions.

**TOWN OF WATERFORD
INFORMATION AND GENERAL REQUIREMENTS TO BIDDERS**

1. Sealed bids (**one original and two copies**) on the attached Bid Forms will be received at the Office of the Purchasing Agent, Town Hall, 15 Rope Ferry Rd Waterford, Connecticut 06385. At the designated time of opening, they will be publicly opened, read, recorded and placed on file. Bids must be submitted in a sealed envelope that is clearly marked **SEALED BID FOR Name of Bid with bid number, time of bid opening and date**. **Bids may be mailed or hand-delivered to the Finance Office, Purchasing Agent Town of Waterford, 15 Rope Ferry Road, Waterford, CT 06385, where they will be publicly opened.**
2. Whenever it is deemed to be in the best interest of the Town, the Board of Selectmen shall have the right to accept or reject any bid, or any part of any bid, when such action is deemed to be in the best interest of the Town of Waterford.
3. The award will be on the basis of qualified, lowest, responsive bidder to meet specifications unless otherwise specified.
4. Bids will be carefully evaluated as to conformance with stated specifications.
5. The envelope enclosing your bid should be clearly marked on its front by bid number, time of bid opening and date.
6. Specifications must be submitted complete in every detail, and when requested, samples shall be provided. If a bid involves any exception from stated specifications, they must be clearly noted as exceptions, underlined, and attached to the bid.
7. The Bid Documents contain the provisions required for the requested item. Information obtained from an officer, agent, or employee of the Town or any other person shall not affect the risks or obligations assumed by the Bidder or relieve him/her from fulfilling any of the conditions of the Bid.
8. Each bidder is held responsible for the examination and/or to have acquainted themselves with any conditions at the job site which would affect their work before submitting a bid. Failure to meet these criteria shall not relieve the Bidder of the responsibility of completing the Bid without extra cost to the Town of Waterford.
9. Any bid may be withdrawn prior to the above scheduled time for the opening of bids or authorized postponement thereof. Any bid received after the time and date specified shall not be considered. No bidder may withdraw a bid within sixty (60) days after the actual date of the opening thereof. Should there be reasons why a Bid cannot be awarded within the specified period; the time may be extended by mutual agreement between the Town and the bidder.

10. Each bid must be accompanied by a bid bond payable to the Town for five percent (5%) of the total amount of the bid. The bid bond of the successful bidder will be retained until the payment bond and performance bond have been executed and approved, after which it will be returned. A certified check may be used in lieu of a bid bond. The Town of Waterford will not be liable for the accrual of any interest on any certified check submitted.
11. The bidder agrees and warrants that in the submission of this sealed bid, they will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religion, national origin, sex, or physical disability including, but not limited to blindness, unless it is shown by such bidder that such disability prevents performance of that which must be done to successfully fulfill the terms of this sealed bid or in any manner which is prohibited by the laws of the United States or the State of Connecticut: and further agrees to provide the Human Relations Commission with such information requested by the Commission concerning the employment practices and procedures of the bidder. An Affirmative Action Statement will be required by the successful bidder.
12. Bidder agrees to comply with all of the latest Federal and State Safety Standards and Regulations and certifies that all work required in this bid will conform to and comply with said standards and regulations. Bidder further agrees to indemnify and hold harmless the Town for all damages assessed against the Town as a result of Bidder's failure to comply with said standards and/or regulations.
13. The Town of Waterford is exempt from Excise, Transportation and Sales taxes imposed by the Federal Government and/or State of Connecticut. Such taxes must not be included in proposal prices. Exemption certificates will be provided upon request.
15. By submitting a proposal, Vendors certify that the proposal is made independently and without collusion, agreement, understanding, or planned course of action with any other Vendor and that the contents of the proposal shall not be disclosed to anyone other than their employees, agents, or sureties prior to the official opening.
14. **IF APPLICABLE** the Bidder, when applicable, agrees to pay its labor force Prevailing Wage Rates and to comply with all Laws, Regulations and Ordinances regarding these wage rates and the recording of them set forth by the Connecticut Department of Labor.
15. Vendors shall observe and comply with all Federal, State and local laws, ordinances and regulations. Vendors shall indemnify and save harmless the Town, all of its officers, agents and servants against any claim or liability arising from or based on the violation of any such law, ordinance, regulation or negligence whether by the bidder, his employees, his consultant and/or their employees.

16. Bidders are responsible for checking the Town of Waterford website at <http://www.waterfordct.org/depts/finance/purchasing.htm> for any addendums and updates to the Bid.

Rights Reserved To the Town

The Town reserves the right to award in part, to reject any and all, in whole or in part, for misrepresentation or if the respondent is in default of any prior Town contract, or if the Respondent limits or modifies any of the terms and conditions and/or specifications of the Request The Town also reserves the right to waive technical defects, irregularities and omissions if, in its judgment, the best interest of the Town will be served.

Additional Information:

All Questions must be submitted in writing to the Purchasing Agent via email at krotella@waterfordct.org.

SPECIFICATIONS
FULLY AUTOMATED REFUSE COLLECTION BODY

General: It is the intent of these specifications to describe the minimum requirements of the Town of Waterford for a 31 cubic yard, hydraulically actuated refuse packer body. All ICC and OSHA requirements for lights and safety shall be provided. Town collections are primarily curbside residential. Payload density shall be 750-800 lbs./CY minimum attainable for 80% of all loads.

YES NO

- | | | |
|---|-------|-------|
| <p>1. Body: The body shall be fully enclosed with a capacity of thirty-one (31) cubic yards minimum, exclusive of the loading hopper. The body shall be of welded Hardox steel construction reinforced horizontally and vertically. Steel gauge and tensile strength for floor, sides and top shall be stated. Horizontal and vertical bracing shall be described and shall be capable of withstanding sustained loading at stated density. A hinged door shall be located on the street side of the body for access to the loading hopper. Air operated hopper covers required. Rubber flaps to be installed at front and rear of hopper.</p> | _____ | _____ |
| <p>2. Tailgate: The tailgate shall be hinged at the top of the body and provided with hydraulic cylinders (cab controlled accessible from operating station) to lift the tailgate during dumping operations.</p> | _____ | _____ |
| <p>3. Discharge: Discharge shall be by means of tip to dump. Packing cylinder and plate shall be fully described to include cylinder diameter and stroke, guide construction and steel gauge/tensile strength for plate. System shall also function during loading cycle to develop payload density. Total force and packing pressure shall be stated. Tip to dump controls shall be dual mounted with tailgate controls.</p> | _____ | _____ |
| <p>4. Hydraulic System: Hydraulics pump(s), which develop sufficient flow and pressure, shall be front mounted crankshaft driven capable of operating loading, packing and ejection systems at engine idle RPM. A filter shall be installed on both pump sections in line at an accessible point for service. A hydraulic tank shall be installed with a level indicator and an outlet line shut off valve. Hydraulic system shall have a drain valve installed at its lowest point for purposes of completely draining hydraulic system for preventative maintenance.</p> | _____ | _____ |

System Operations: Lift arm, packing mechanism dump system and tailgate shall operate independently of each other. Lift arm shall operate at engine idle in all transmission positions. A three (3) rocker switch consol with electric, air over hydraulic arm control located on the right hand window sill, one on the engine cover with ergonomic armrest provided, and one located at the side of the operator’s seat to be activated if the operator is standing outside of the cab. An automated dump cycle “coordinator” option shall be provided to allow the operator to manually reach and grip a container, continued contact on the grip switch shall cause the container to be raised, dumped, returned to the stowed/home position. An inline air-water separator shall be installed in the air feeder line to body controls.

5. **Lift arm:** The lift arm located on the curbside shall be operated hydraulically from cab controls independently from other hydraulic operations. The arm shall have a minimum lift capacity of 2000 lbs. at full reach. A reach of 84” minimum is desirable and a full description of reach capabilities must be provided. Gripper shall be designed to handle 60 and 90 & 96 gallon containers without adjustment. Gripping force shall be adjustable to minimize container damage. Stop counter required. Lift arm cannot go completely horizontal until over hopper. Safety switch so lift arm cannot dump unless hopper covers are open.

6. **Miscellaneous:**

1. Clarion color camera/monitor system with tailgate and hopper mounted camera and cab monitor or equivalent.
2. Body shall be painted white and green to match cab.
3. 18” H x 18” D x 36” L minimum weatherproof toolbox chassis mounted on street side.
4. A clean out tool shall be provided to facilitate easy removal of debris from hopper sump area, a holder shall be provided on the body side to secure the clean out tool in a stored position.
5. Chassis shall be delivered to the successful bidder.
6. Five year cylinder warranty required on all cylinders

	YES	NO
7. One set of shop service and repair manuals or computer software shall be provided upon delivery,	_____	_____
8. Usable cab to axle dimension for refuse body bid shall be stated.	_____	_____
9. A diagram, from manufacturer showing body center of gravity empty, weight, and body center of gravity loaded to be provide for axle weight computations.	_____	_____
10. Whelan DOT Legal Super LED lighting system, (STOP, TAIL, TURN, BACKUP, AND WARNING BEACON PACKAGE) shall be installed. Two curbside work lights and two work lights in hopper.	_____	_____
11. Operator training including operational aspects, daily maintenance and safety functions shall be provided upon delivery.	_____	_____
12 Within three months of delivery, eight hours of training shall be provided to equipment maintenance personnel an additional 8 hours of training shall be provided 6 months after the arrival of the piece of equipment.	_____	_____
13 Shall have capability of a scale and scanner attachment for the future.	_____	_____
14 Contract award will be based on lowest qualified base bid.	_____	_____
15 A hopper liner made of Hardox 450 to extend into the body 4 feet both sides And floor; sides should extend 3 feet high.	_____	_____
16 All Controls to be integrated with chassis electrical system.	_____	_____
 7. Warranty: Warranty period shall be stated. Extended warranty period for specific components, (i.e. packing cylinder, hopper floor, etc.) shall be fully identified and described. As an alternative to extended warranties, Guaranteed Maintenance cost program for stated periods will be reviewed and considered. A warranty program shall be provided through which major work shall be performed at dealership but minor work as determined by dealership service manager and Town of Waterford Senior Mechanic shall be performed on an in house warrantee basis.	 _____	 _____

SPECIFICATIONS
SIDE LOADING CAB OVER TANDEM CHASSIS

	YES	NO
1. Current production model cab over tandem chassis.	_____	_____
2. Usable cab to Trunion dimension between 180" to 205". (to be determined by the successful body bidder)	_____	_____
3. Axles: Front axle - 20,000 lbs.	_____	_____
Rear Axle - 44,000 lb. tandem with 46,000 lb. spring rating.	_____	_____
Suspension - Hendrickson HN 462 series with 54" Axle Spacing, or equivalent.	_____	_____
Rear Axle gear ratios - shall be matched in drive train to provide effective curbside residential garbage collection and maintain over the road speeds of 65 MPH.rating – Minimum road speed of 65 MPH.	_____	_____
4. Transmission: Allison 4500RDS 6 speed	_____	_____
5. Engine: Six (6) cylinder In-Line, wet sleeve Diesel providing a minimum of 345 HP.	_____	_____
Engine shall be equipped with:		
Six-cylinder in-line, wet sleeve diesel providing a Minimum of 345 HP	_____	_____
Engine oil and water temperature alarm	_____	_____
Replaceable type oil filter cartridge	_____	_____
12 volt electrical system - negative ground		
Minimum 130 amp alternator or equivalent to Delco-Reme	_____	_____
Engine Block Heater equivalent to Kim Hot Start model BC110	_____	_____
Variable speed governor	_____	_____
Jacobs Brake	_____	_____
Radiator, with provisions for front hydraulic pump, crankshaft driven	_____	_____
Coolant Filter	_____	_____

Specifications - Cont.
 Side Loading Cab Over Tandem Chassis

		YES	NO
6.	Tires and Wheels:		
	Tires:		
	425/65/R22.5	Front	_____
	11R22.5 Radial, 16 ply, Goodyear traction drive		
	G-622 RSD or equivalent	Rear	_____
	Spare tire – One Front; One Rear	_____	_____
	Wheels:		
	a. Aluminum alloy Budd wheels 22.5 X 12.25 Front; 22.5X8.25 Rear – Heavy Duty required – aluminum	_____	_____
	b. Supply one spare wheel (rim) front	_____	_____
	c. Supply one spare wheel (rim) rear	_____	_____
7.	Brakes: Full air with S cams, no wedges	_____	_____
	a. Brakes – Foundation, front axle Dana Spicer 16.5X7; 16K-20K; refuse appl.	_____	_____
	b. Brakes – Foundation, rear axle Dana Spicer 16.5X8.6>23-26K CAP refuse.	_____	_____
	c. Compressor shall be Bendiz Tru flo 500 or equiv.	_____	_____
	d. Anchor lock parking brake.	_____	_____
	e. Air dryer with heater; Bendix AD-9	_____	_____
8.	Frame: Double C channel frame. Frame dimensions, material, section modules and RBM shall be stated. Front extension for engine driven hydraulic pump required.	_____	_____
9.	Power steering required.	_____	_____
10.	Cab:		
	a. Cab shall provide right hand drive with appropriate controls & instrumentation	_____	_____
	b. Adjustable Tilt steering column	_____	_____
	c. Bostrom Air-ride Viking seat or equivalent for right side. Low back fixed vinyl seat left side	_____	_____
	c. Tinted windshield	_____	_____
	d. West coast, electric adjustable, heated rearview mirrors & heated convex mirrors	_____	_____
	e. Vertical exhaust stack independent of body left side curved	_____	_____
	f. Aluminum diamond plate drivers side floor	_____	_____

	YES	NO
g. Intermittent dual electric windshield wipers with washers	_____	_____
h. Two speed heater and defroster	_____	_____
i. Instrument panels to include tachometer with hour-meter, speedometer, ammeter, air pressure, fuel and water temperature gauges with full dash lights	_____	_____
j. AM-FM radio	_____	_____
k. Rust proofing by a certified process providing a five (5) year warranty	_____	_____
k. Cab grab handles required	_____	_____
l. Cab shall be painted dark green from approximately 2" below door window down and white from the same point up. Specific details shall be provided upon award	_____	_____
m. Integrated packer cab controls	_____	_____
n. Air horns – roof mounted chrome	_____	_____
o. Air Conditioner. Factory installed (no roof mount)	_____	_____
p. Rear cab corner windows, if available	_____	_____
11. Miscellaneous:		
a. Front tow hooks	_____	_____
b. Heavy duty contractor bumper	_____	_____
c. Electric back-up alarm automatically activated when vehicle is put in reverse	_____	_____
d. Air tank drain valves all located in same place	_____	_____
e. On-spot automatic tire chains required	_____	_____
f. Must meet all Federal and State regulation for equipment	_____	_____
g. Provide one set of shop service and repair manuals For vehicle, engine, transmission, truck chassis, Electrical and Emission Diagnosis, and rear axle upon final delivery	_____	_____
12. Fuel Tank: 75 gallon capacity mounted on left side	_____	_____
13. Chassis shall be delivered to the location designated by successful body manufacturer for body installation prior to delivery to the Town of Waterford. Payment shall be made upon final delivery to Town of Waterford.	_____	_____
14. Bidders shall state time for delivery and warranty for truck and components.	_____	_____

	YES	NO
15. A warranty program shall be provided through which major work shall be performed at dealership but minor work as determined by dealership service manager and Town of Waterford Senior Mechanic shall be performed on an in house warrantee basis.	_____	_____
16. Bidder shall submit bid on bid form enclosed and shall attach the following information:		
a) Drive-train component compatibility performance data	_____	_____
b) Engine specification and warranty, performance data	_____	_____
c) Transmission specifications and warranty	_____	_____
d) Rear axle manufacturer, model number and ratio	_____	_____
e) Complete description of any component offered as an equivalent	_____	_____

FIFTEEN ROPE FERRY ROAD



WATERFORD, CT 06385-2886

BID FORM

VENDOR NAME AND ADDRESS

PRINTED NAME AND TITLE OF VENDOR'S AGENT

PHONE AND FACSIMILE NUMBERS, E-MAIL ADDRESS

I _____, _____ of the
Name Position

above named firm hereby submit the following bid in accordance with Town of Waterford specifications.

SIGNATURE

DATE

YEAR

MAKE

MODEL

\$ _____
BIDPRICE
per unit

TIME REQUIRED FOR DELIVERY: _____

WARRANTY PERIOD FOR COMPONENTS AND BODY: _____

CONDITIONS OF WARRANTY: _____

COMMENTS:

Please attach specification sheets to the Bid Form. Failure to attach same will nullify the bid.