

A. BIDDING INSTRUCTIONS

The Town of Thermopolis is requesting sealed bids for one (1) 2025 Tandem Axle Side Loading Refuse Truck. Sealed bids will be accepted at the Town Hall, 420 Broadway Street until 2:00 p.m. on Tuesday, March 13, 2024. Bids shall be submitted official submittal form, signed by a duly authorized agent of the supplier, and submitted in a sealed envelope marked "TANDEM AXLE SIDE LOADING REFUSE BID", addressed to the Town of Thermopolis, 420 Broadway St, Thermopolis, WY 82443. The Thermopolis town council will consider awarding said bids at the regularly scheduled meeting on March 19th, 2024 7:00pm. Bids submitted by telephone, telegraph or facsimile will not be accepted.

A.1 GENERAL

It is the intent and purpose of these specifications to secure for the purchaser the necessary equipment and accessories that will comprise and furnish the equipment described above. A detailed list of minimum specifications required is included and is the basis on which the supplier's proposal must be made.

A.2 MATERIAL AND WORKMANSHIP

All equipment, materials and workmanship shall be of the highest grade in accordance with modern practice. The equipment supplied will be model 2025 or newer and unused.

A.3 SPECIFICATION COMPLIANCE

Specifications contained herein are considered the minimum expected by the Town of Thermopolis Solid Waste Department. Any and all items not meeting these minimum specifications shall be itemized on a separate sheet of paper and submitted with bid proposal to make it easy for the Solid Waste Department to identify them and consider as alternatives. Specification items that are listed as NOT meeting the minimum specifications shall require additional information in order to be considered for award.

A.4 CONDITION

Unit(s) offered under this advertisement shall be new standard production model(s) of the latest design in current production. Materials shall be of good commercial quality for the intended service and shall be produced by use of current manufacturing processes. Material shall be

treated to resist rust, corrosion and wear. The design of the mechanical members shall be such that the stress imposed through normal shock loads at maximum engine torque shall not cause rupture or permanent deformation or undue wear on any member. All machines shall meet current OSHA, FMCSA and EPA requirements and specifications on the date of the bid opening.

A.5 DELIVERY

The price or prices bid shall include all transportation charges fully prepared to Thermopolis, Wyoming. Purchaser requests delivery to be as soon as practical.

A.6 BASIS OF PURCHASE AWARD

The Basis of Award shall be dependent on the most responsible bid submitted; consideration will be given to; purchase price, delivery dates, parts and service location, analyses and comparison of equipment specification details, and any other items of concern to Town of Thermopolis.

The purchaser reserves the right to reject any or all bids, to waive any informality in bids, or to accept in whole or part such a bid as may be deemed in the best interest of Town of Thermopolis. The ultimate purchase decision rests with the Town Council based on recommendations and information provided by Town of Thermopolis staff.

A.7 WYOMING PREFERENCE

In accordance with the provisions of Section 16-6-102 and Section 16-6-106, Volume 3, Title 9 of the Wyoming Compiled Statutes, preference is hereby given to resident Wyoming Contractors and to materials, supplies, equipment, machinery and provisions produced, manufactured, supplied or grown in Wyoming, quality being equal to articles offered by competitors outside the state. Bidders claiming preference must submit evidence of WY residence as defined in WY Statue Section 16-6-101. A certified copy of the Certificate of Residency from Wyoming Workforce Services must be included in the bid packet at time of bid.

MINIMUM SPEC'S ON 2025 OR NEWER LH SIDE LOADING REFUSE TRUCK

GENERAL

The vehicle shall be inspected by dealer prior to delivery. Any defect found in the vehicle when delivered will cause immediate rejection of the vehicle

Bid specifications shall be brought with vehicle for delivery any non-compliance with bid specs will result in rejection of the vehicle

Vehicle must comply with all DOT requirements

The vehicle dealer is responsible for marring up the truck and refuse collection body

The vehicle and collection body shall be painted Omaha Orange

Vehicle shall be equipped with caution beacons on top of cab visible from front of vehicle.

Shall have a five year/100,000 mile engine and aftertreatment ext. warranty

5year/unlimited miles extended towing coverage with \$1800 cap/tow max.

ENGINE

Regen inhibit speed threshold- 0 MPH

Diesel engine shall be rated no less than 350 HP @2200RPM, 1020 LB/ft @1200RPM

Coolant shall be rated at -34 degree F.

Engine shall be equipped with cold weather starting package., Package will include 1,000W engine block heater, 150W oil pan heater, and air grid heater.

12V 160 AMP 28-SI quadramount pad alternator with remote battery volt sense

All engine filters shall be spin on type

Vehicle will be equipped with C-brake engine brake, Not a turbo brake

Vehicle will be equipped with exhaust height of 10 foot

Engine shall have GHG2024 onboard diagnostics.

1100 square inch aluminum radiator

Rear air on/off engine fan clutch

RH outboard under step mounted horizontal aftertreatment system assemble with RH pillar mounted vertical tailpipe

6 gal. diesel exhaust fluid tank

Air compressor shall be rated no less than 18.7 with internal safety valve

Air system shall be equipped with a heated air dryer with coalescing filter.

TRANSMISSION AND PTO

Vehicle shall have 3000 RDS automatic transmission with PTO provision

Primary mode gears, lowest gear 1, start gear 1, highest gear 6

Vehicle capable of 75 MPH road speed

Vehicle shall include a Quickfit body lighting connector at end of frame.

Electronic transmission customer access connector firewall mounted.

PTO Mode cancel vehicle speed- 10MPH.

Water to oil transmission cooler, in radiator end tank

ELECTRIAL

Vehicle shall have 2 - 2000CCA, 370 RC, Threaded stud batteries.

Single battery box frame mounted LH side under cab

Positive and negative posts for jumpstart located on frame next to starter

Electronic engine integral shutdown protection system

Vehicle shall have back up alarm

CAB

Shall be an air mounted cab

Flat roof aluminum conventional cab

Fiberglass hood

Shall have heater, defroster, and air conditioner

Cab and engine compartment shall be insulated for soundproofing to include firewall.

Cab shall have a high back air suspension Black cloth driver seat with folding armrests with lumbar.

Passenger seat shall be non-suspension high back Black cloth seat without arm rests.

Cab shall be equipped with an adjustable tilt and telescoping steering column.

Cab will have AM/FM radio with USB and auxiliary inputs

Instrument panel shall have gauges for engine oil pressure, water temperature, fuel, tachometer, dual needler pressure, digital transmission oil temp., and digital rear axles oil temp.

Odometer shall display miles, trip miles, engine hours, and fault codes.

Instrument panel shall be equipped with visual and audible warning system for low fuel, low oil pressure, high engine temp., and low battery voltage.

Single roof mounted air horn

Door locks and ignition switch keyed the same

Turn signals shall be equipped with self-canceling switch

Tinted windshield

2 gal. washer reservoir, frame mounted.

Grey vinyl interior with Black cloth driver seat

PTO and refuse controls inside cab

2.5 inch fender extensions

LH and RH grab hand rails

LED aerodynamic marker lights

Dual West coast molded-in color heated mirrors

LH and RH 8" molded-in color convex mirrors mounted under primary mirrors.

Shall have Aluminum kickplates on both doors

Standard heater plumbing with ball shutoff valves at supply lines only

Electronic cruise control

Air parking brake with Auto-neutral and warning indicator

Chassis supplied interior bracket for camera, with power & ground

CHASSIS & AXLES

Expected GVWR shall be no less than 58,000#

Set back Axle truck

Front axle shall be rated no less than 18,000#

Rear axles shall be rated no less than 40,000 #

Rear suspension shall be an inverted parabolic spring suspension to include a center cushion pivot point

All axles shall be equipped with automatic slack adjusters

Rear axles shall be equipped with locking differentials

Vehicle shall be equipped with 2 front and 2 rear tow hooks

Turning radius shall be approximately 35'

Front Axle shall have 16.5x6 Q+ cast spider cam front brakes, double anchor fabricated shoes.

Cast iron front brake drums

16.5x7Q+ spider cam rear brakes, double anchor, fabricated shoes

Cast iron rear brake drums

Long stroke 2-drive axes spring parking chambers

Steel air tanks mounted AFT inside and/or below frame just forward of rear suspension

Clear frame rails from back of cab to front rear suspension bracket, both rails outboard

Steel frame that meets yield strength of 120,000 psi, Section Modulus per rail of 26.80 cu. In.,
Frame RBM per rail of 3,217,200 lb ft-in

Wheelbase must provide for a C/T dimension of 172"

96" rear frame overhang

Light weight heavy duty aluminum engine crossmember

Three piece 14" painted steel bumper with collapsible ends

50 gal. rectangular aluminum fuel tank LH

Fuel/water separator with water in fuel sensor, hand primer and 12 volt preheater

Michelin X works Z 315/80R22.5 20 ply front radial tires

Michelin X MULTI D 11R/22.5 16 ply radial rear tires

Preset plus premium iron front hubs

Preset plus premium iron rear hubs

22.5x9.00 10Hub pilot 5.25 inset 5-hand steel disc front wheels

22.5 x 8.25 10-hub pilot5 5-hand steel disc rear wheels

REFUSE BODY

The compaction body shall be manufactured in U.S.A.

The body shall have a 30 yd. capacity and capable of compacting refuse and hydraulically ejecting refuse at disposal site

The compaction body and loader shall be free of all weld slag and sandblasted thoroughly

Before painting, Primer is to be approved for use with finish coat

Paint type, base coat/clear coat is to be Omaha Orange

The hopper/receiving area shall have a capacity of approximately eight yards and will accommodate up to 4 cubic yard containers without damage.

Mud flaps are to be installed on the front and rear tandem axles

The compaction body shall have all necessary warning decals, lights, and reflectors to meet DOT requirements

The refuse body must be manufactured in a spiral weld double submerged arc process. Welding must be performed to ASME section 8 procedures. The welding must be a continuous weld seam that spirals around the cylinder forming a full penetration weld from inside and outside. Each cylinder will have .250" nominal wall thickness made from hot rolled sheet conforming to ASTM A1018 grade 36 or better. Mill test reports on steel used available on request

The body shall a continuous cylindrical design, suitable reinforced and a minimum of ¼" steel in thickness. There will be reinforcing ring of 3"x3"x1/4" square tubing behind the hopper area and at the rear of the body

The tailgate will be constructed of ¼" steel with a 3"x3"x1/4" square tubing ring reinforced to prevent distortion

Body floor to be a minimum of 3/8" hi-tensile steel plate with ¼" replaceable channels.

The compaction plate shall be all 3/16" steel design, reinforced so no distortion occurs during operation. Four 14"x9"x1" retainer teeth on top and eight 4"x9"x2" retainer teeth on bottom shall retain the refuse once compacted.

The compaction guide rails shall be a minimum of ¼" steel and easily replaceable for longer body life

The compaction plate shall have three replaceable wear slides per side for a total of six.

The body is to be equipped with a hinged access door located on the side opposite the container loader in order to provide easy access to hopper area. The minimum size of this door shall be approximately 44"x35" and be of one piece of 3/16" steel rolled to conform to body curvature.

The operator must have unrestricted view of packer plate from inside the cab. The opening in front of body shall not be smaller than 34"x24". Hydraulic reservoir behind cab not acceptable.

The opening of the hopper will be protected on three sides with a wind screen to prevent trash from exiting the hopper. The wind screen will extend 10" above the top of the circumference of body.

There will be no requirement for top door

HYDRAULIC DESIGN

The unit shall be equipped with a single stage, engine driven hydraulic pump of high GPM, low GPM displacement design, with priority flow control device and dry-valve to control the pump, it will deliver a minimum of 16 GPM @ 750 engine RPM to operate the lift at engine idle. A combined flow of 36 GPM @ 1600 engine RPM will be used for compaction and ejection. The 16 GPM of oil, from the flow control device will be used for loader operation. The hydraulic system will allow for the operation of the lift without shifting into neutral and accelerating the truck engine.

Compaction cycle control shall be push button controlled from inside the truck cab with an electric-over-air operated spool valve. Truck must have an air dryer and a minimum of 13.2 CFM compressor

The oil reservoir shall be 1-1/2 times the capacity of the hydraulic system but not less than 55 US gallons and shall be mounted on the side opposite the container loading device for easy maintenance.

The oil reservoir shall be equipped with isolation valves in an easily accessible location

OTHER

Refuse body will include flashing strobe lights facing rear of body.

Body will incorporate stop/turn, tail, and backup lights that will tie into chassis supplied wiring.

Body will have cameras mounted above the hopper and on rear of truck, connected to an in-cab monitor, that shows view from hopper camera while in forward operations, but switches to show view from backup camera when truck is put into reverse.

BID SUBMISSION FORM

Town of Thermopolis Side Loading Refuse Truck Bid

Model Year Bid: _____

Brand Chassis Bid: _____

Model of Chassis Bid: _____

Brand Refuse Compactor Bid: _____

Model Refuse Compactor Bid: _____

Expected Delivery Date: _____

Bid Price: _____

We hereby certify the foregoing is a responsible bid. Any variations from the specifications are noted or attached. Copies of specifications are attached.

Dated this _____ day of _____, 20_____.

Company Name: _____

Address: _____

Authorized Signature: _____

Printed Name: _____

Title: _____

Telephone Number: _____