

REQUEST FOR EQUIPMENT PURCHASE THROUGH SOLICITATION

GENERAL INTENTION. The intention of this request is to purchase a rebuilt refuse collection truck for service in the city of Caliente.

GENERAL STATEMENT OF WORK. The Contractor will provide a bid for a fully equipped 2005-2007 model year rear-eject, front loading, 40 cubic yard packer truck with a new or refurbished body, refurbished engine and chassis. See attached **specifications** for the **minimal technically acceptable requirements**. Units **not** meeting the minimum technically acceptable requirements **may be** considered if similar or enhanced upgrades are present.

MINIMUM SPECIFICATIONS FOR 40 CUBIC YARD FRONT-LOADERS.

1. **General**

1.1 Packer Unit shall be New or Refurbished (Refurbished units must have: **New:** Steel walls-packer-floor welded in, hydraulic cylinders, valve body, lines, hoses, paint and wiring / lights with minimum 1 year warranty on all parts) 40 yard, front load type truck with a 28 cubic yard body and 12 cubic yard hopper.

1.2 Chassis Unit shall be a Peterbilt, Autocar, Mack, or Similar model years 2005 -2007. Specify: Make, Model, and Chassis / Engine Warranty

1.3 Chassis units will be certified rebuilt. To include engine and transmission warranty. Specify warranty.

2. **Dimensions / Capacities**

2.1 GVWR - 66,000 pounds approximate

2.2 Wheelbase - 204" to 210" approximate

2.3 **Axles**

2.4 Front Axle: 20,000 pounds capacity

2.5 Rear Axle: 46,000 pounds capacity approximate.
Specify:

2.6 Type: Full floating with divider lockout

3. **Suspension - Rear**

3.1 Rear - 46,000 lb. approximate / 4.89 ratio or similar / Hendrickson HMX 460 suspension or similar. Specify:

4. **Electrical / Lighting**

4.1 12 volt negative ground system with master "on / off" battery switch

4.2 Alternator - 100 amp, minimum

4.3 Battery(s) heavy duty maintenance free

4.4 Lighting: Shall meet Federal and Nevada safety standards with minimum of (3) three yellow flashing LED strobes on back of packer body.

4.5 Chassis taillights shall be sealed "LED" type

5. **Brakes**

5.1 Air Brakes: S-CAM with moisture ejection system to comply with Federal regulations

5.2 Air System: To include unit air drier system

5.3 Air Compressor: Twelve cubic feet per minute (12 CFM) minimum

6. **Engine**

6.1 Cummins, Mack or Similar Turbocharged Diesel
Specify

6.2 Minimum horsepower: (350 hp) Specify:

6.3 Minimum torque: One thousand, two hundred-fifty foot-pounds (1250 ft-lbs)

6.4 Warning System: Bell or buzzer for high coolant temperature, low oil pressure, low coolant level, check engine, and high transmission oil temperature

6.5 Air Cleaner: 16" two stage or similar with evacuation and dash mounted air restriction indicator. Specify:

6.6 Exhaust: Single vertical exhaust with muffler shield.

6.7 Fuel and water separator filters

6.8 Engine will have a Block Heater Installed.

6.9 Fuel tank 80 gallon min.

7. **Steering**

7.1 Left Hand Drive only, Power Assist.

8. **Transmission**

8.1 Automatic, electronically controlled

8.2 Make/Model: Allison HD 4500 RDS or Similar w/ six (6) speeds. Specify:

9. **Tires and Wheels**

9.1 Front: Two (2) 425/65R22.5 steel belt, tubeless, highway tread. Specify:

9.2 Rear: Eight (8) 11R22.5, 18 ply, steel belt, tubeless, highway tread. Specify:

9.3 Wheels: 10-hole, hub pilot, 12.25 x 22.5

10. **Cab**

10.1 Tilt type cab constructed of steel, aluminum, fiberglass, or any combination thereof.

10.2 Windshield Wipers: Dual, air or electric powered

10.3 Heater: Factory installed, fresh air type

10.4 Air Conditioning: Manufacturer's factory installed.

10.5 R134A refrigerant

10.6 Horn: Air horn and standard truck horn required.

10.7 LH & RH Mirrors: Black or Chrome plastic housing with dual pane mirrors.

10.8 Dual Sun Visors required

10.9 Instrument Gauges: Standard plus tachometer and hour meter.

10.10 Cab headliner required

10.11 Front of cab to include a front windshield protection bar system. Specify:

10.12 Cab to be painted White.

10.13 Drivers Seat will be air ride High Back, Passenger seat can be standard bolt in. (Both seats will be a heavy duty material not fabric) ((example – AIR-BOSTROM TALLEDEGA 905 SERIES HIGH BACK DRIVERS SEAT.)) Specify:

11. **Backup Safety System**

11.1 Backup safety alarm

12. **Front Load Refuse Body**

12.1 Hydraulically actuated partial pack front loader with a container hoisting device capable of handling two to ten (2-10) cubic yard containers with side pockets.

12.2 The body shall be capable of compacting and transporting refuse to a landfill or transfer station and dumping the load by means of full eject body.

12.3 The body shall be painted the manufacturer's standard white.

12.4 The Body needs a secure seal system and maintenance friendly replacing the seal on the rear door. Specify:

12.5 The canopy above the cab shall be hinged lift out of the way for the cab to tilt forward.

12.6 The Canopy Cab shield shall be extended to cover the whole cab allowing debris to fall to the ground and not on the edge of the cab.

13. **Capacity**

13.1 The partial pack front loader body shall have a body capacity, excluding the receiving hopper, of not less than twenty-eight (28) cubic yards. Specify:

13.2 The hopper shall have a tipping capacity of twelve (12) cubic yards minimum.

14. **Body Dimensions**

14.1 **Specify** overall length with arms down and forks in full tuck position, in inches:

14.2 Outside body width shall be no more than one hundred one (101) Inches.

15. **Body Construction**

15.1 Packer body shall have flat hopper and body floor (with side clean out doors) with curved roof and body sides and of overhead loading design.

15.2 Hopper shall be designed to properly handle containers from two to ten (2-10) cubic yard capacities and have panels for extended height on both sides and rear of hopper opening to ensure we have less wind-blown material out of dumpster.

15.3 Pack on the go.

15.4 A screen system must be installed between the packer and engine / hydraulic valve body area to keep refuse contained in packer body.

16. **Roof Access Ladder**

16.1 A ladder shall be provided on the rear of the tailgate or side of body for access to the packer body roof.

17. **Sliding Top Door / No Side Access Door**

17.1 A hydraulically actuated sliding top door shall be provided to cover the hopper. When this door is closed, the arms must not be able to go up with a dumpster, so that the top door damage does not occur.

17.2 A side door to access and clean our around the packer hydraulic rams. Specify

17.3 Description / Specification Specify on Both top Door and Body style of Packer.

18. **Lift Arms**

18.1 The lift arms shall be three by eight (3" X 8") inch box reinforced type construction, rated and capable of lifting eight thousand (8,000) pounds gross container and payload.

18.2 Lift arm cycle time shall be within 13 - 18 seconds.

18.3 Pickup, dump, and disengagement shall be done without the need for assistance and without the driver leaving the cab.

18.4 The lift arms, during the dump cycle, shall not obstruct

or interfere with the opening of the truck cab doors on either side.

19. **Hydraulics**

19.1 The maximum operating pressure of the system shall be two thousand five hundred pounds per square inch (2,500 PSI).

19.2 Front mounted, hot-shift PTO with an electronic over-speed control, shall be provided with a rated capacity of approximately fifty gallons per minute (50 GPM) at one thousand three hundred revolutions per minute (1,300 RPM).
Specify:

19.3 All hydraulic tubes / hoses shall be securely clamped to prevent vibration, abrasion, and excessive noise.

19.4 The hydraulic oil reservoir shall have a gross capacity of thirty-eight (38) gallons filled with thirty-two (32) gallons of hydraulic fluid.

19.5 The tank shall be complete with screened fill pipe and cap, filter breather, clean out cover, and shut off valve, oil level sight gauge, and temperature gauge.

19.6 The hydraulic system shall be protected by a five micron, in tank, return line filter along with a one hundred (100) mesh [one hundred forty (140) micron] reusable oil strainer in the suction line.

20. **Controls**

20.1 Arm, fork, packer, top door, tailgate raise, tailgate lock, and body hoist controls shall be provided.

20.2 Arm and fork movement shall be accomplished by either lever or joystick controls. Specify

20.3 An armrest shall be provided for operator comfort.

20.4 All controls shall be located inside the cab and within easy access to the driver.

21. **Diagrams**

21.1 All paper work for attachments will be turned over for us to buy spare parts; Cameras, Monitors, & Scale System for example.

21.2 Wiring diagrams on New and Refurbished packer bodies will be turned over for us to buy spare parts or re-wire

ourselves.

21.3 New and Refurbished packer bodies will have a serial number / model Number from Manufacture turned over to us.

22. ALL OTHER REQUIREMENTS LISTED IN THE GENERAL STATEMENT OF WORK MUST ALSO BE MET OR EXCEEDED.

