



NEW CNG AUTOMATED SIDE LOADING REFUSE COLLECTION BODY

Preface

City of Norman desires to purchase a new Automated Side Loading (ASL) refuse body. The unit to be proposed for purchase should be one which adheres to the design and specifications as listed here in. Any deviation from the specifications outlined must be addressed in writing on a separate attachment with the reason for non-comply explained in detail. All parties involved including the buyer, seller, supplying vendor and any persons of varying interest must sign as approval given to purchase. Prior to agreement to purchase, a purchase order from buyer is to be conveyed to selling vendor and recorded on the order. A unit which is delivered and is found to be manufactured in a manner that has deviated from the specifications as agreed upon by all parties will be rejected and will not be paid for until changes are made and agreed upon by buyer and seller. The unit to be purchased should be one that is available on a state level purchase contract or other government cooperative buying agreement. The type of contract and contract number should be included on the quote to be given. A time of estimated delivery to buyer of a complete unit should be decided upon and recorded on the quote. A unit delivered to the buyer's location does not constitute acceptance on behalf of the City of Norman. The delivered item will undergo a check in process to determine if the unit meets the specifications set forth in the purchase agreement and agreed upon by all parties involved. Payment to seller will be made only after the unit is delivered and a written statement of acceptance is given to the vendor. Payment is typically made within 14 days of the acceptance of unit by the City of Norman but may be prolonged at times due to personnel issues or holidays

ITEM TO QUOTE

Year.....	current, new year model
Make.....	Labrie, desired
Model.....	Automiser Helping Hand option, service lift body, 24 total cubic yard capacity. RH collection.
Color.....	L0895EB Green
Contract buy.....	yes, contract specs plus buyer requests are needed.
Support/training.....	yes, on site, overview for maintenance and service with technicians and driver operation/maintenance points. Training time 3 hrs. Recurring if needed



- Features..... HD arm; walls, crusher panel/ press, floor to have Hardox liner. Non chain driven type arm.
- Features..... grabber capacity 32-95 gallon cart; auto neutral for un stowed arm or arm deployed with alarm sounding.
- Features..... joystick controlled arm functions.
- Lubrication..... provide central grease manifold where possible, no auto
- Fire ports..... install as customary; include 20lb fire extinguisher RS Body.
- Decals..... Usual and customary decals for City of Norman cng truck; Exclude any dealer branding or advertising.

Hydraulic s

High pressure filtered system with dirt alarm visual and audible. Min. 55 gallon tank.
 Preferred filtering on supply and return sides if possible. Provide supply shut off valve.
 Pump to be mounted at front bumper in provided FEPTO space. Use multi stage pack cylinders
 Overspeed set at 1400RPM. Provide transmission and ignition interlocks.

Electrical and Lighting

- Reverse warning..... third eye single sensor radar detection system.
- Camera system..... Camera for hopper LH-side, RH side rail, Rear center, both rear cab corners for blind spots to activate with appropriate turn signal application.
- Lighting..... LH side of hopper, RH side rail for pick up arm, work light kit; triple in-cab switch 4” LED One light on RH mirror facing to rear and down.
- Strobes..... 4 strobes amber, white-2 top and 2 bottom of tailgate. 1- 6” amber strobe above rear camera at tail gate center. 4 strobes in grille, 2 amber/ 2 white in X pattern. 1 All key activated.

CNG SYSTEM

- Tanks..... stack bunk of 5 behind cab;80 DGE min.; enclosed with a black steel cover with hinged access panels for performing inspections and repairs.
- Tank capacity..... 80 DGE minimum, 120 DGE maximum.
- Number of tanks..... Maximum of 5 tanks.
- Tank Type..... Type 4 or better. Non comply must be pre-approved.



Tank mounting.....	Must comply with all NFPA 52 guidelines and manufacturer specifications.
Tank protection.....	Full shielding metal cover with hinged inspection panels for each tank.
Tank Fill.....	Transit style fill port on street side; include ignition interlock and pressure gauge at fill port location. Provide manual shut off at fill area and electric solenoid shutoff with ignition system in off position.
CNG lines.....	All lines and fittings shall be stainless steel and rated for high pressure as mandated under guidelines of the NFPA 52 manual.
Safety sensor.....	Include leak detector at fill area and in cab.
Brand of kit.....	Labrie is preferred. Other brands must be pre-approved by buyer.
Certification.....	The system to be used must be certified compliant by the Environmental Protection Agency (EPA) and proof of such given to buyer.
Installer	Must be a Quality Verified Modifier (QVM) or approved equivalent with technicians certified to perform the installation.
Filter.....	Coalescent filter with drain should be that which is in use in previous models. Include 2 spare filters. Manual oil drain should be easily accessed by driver while standing on ground level.
Data.....	Provide purchaser with literature about system warranty, components, design and diagnostic information, all serial numbers, kit numbers, expiration dates, and a list of serviceable part numbers with a supplier to contact for parts/ service. This must be done prior to or at delivery only. Electronic data is preferred. Provide all needed certification forms for the kit and the installer.
Costs.....	Any savings realized by the dealer/vendor from Federal grants or incentive programs should be discounted from the sales price quoted to buyer. Any change of price should be communicated to and approved by the buyer in writing.



Warranty

Hydraulic system..... total, 3 years; cooler, pump, pto, inclusive of all except cylinders. Coverage is parts and labor only, all costs.

Hydraulic cylinders..... total, 5 years, coverage is parts and labor, all costs.

Body..... manufacturer failures not related to abuse, 1year parts /labor all costs.

Electrical..... wiring and circuitry coverage, 3 years parts and labor, all costs.



Support and training

1. On site, overview for maintenance and service with technicians and driver operation/maintenance points. Include combination to 3 hrs. Recurring if needed.
2. Provide operators manuals in cab for driver.
3. Provide repair/service manuals on CD or USB memory stick and parts online access.
4. Provide subscriptions if needed for component diagnostic software for 1 year (Insite and others when available.)
5. Buyer will provide forms asking for specific data, part numbers, serial numbers and a listing of maintenance items needed. These are to be completed and delivered with the item purchased.
6. Provide a detail of recommended maintenance intervals and provide industry standard service times for each service performed.
7. A complete set of all filters used on the unit and a list of their part numbers must be included at delivery.
8. At delivery unit is to have been through the dealers PDI and should be detailed and ready for use. This will be checked at delivery.
9. Vendor should provide a free evaluation of the unit at 60 and 120 days followed by a written report of findings and recommended repairs is to be given to Fleet repair supervisor. This should be done once per year through 5 years after the first 120 day inspection.
10. Identify transport / delivery method used, i.e. trailer, driven, stack towed. Past issues with loose axle bolts caused from stack towing have been experienced. Dealer should check these prior to delivery.



Approved By:

Vendor Rep _____ Date _____ exceptions attached Y/N
Sales MGR _____ Date _____ exceptions attached Y/N

Subscribed and sworn to before me this _____ day of _____ 20____,

Notary _____

My commission expires _____

Reviewed by:

Fleet Superintendent _____ Date _____
Equipment Repair Supervisor _____ Date _____
Equipment Repair Supervisor _____ Date _____
Equipment Support Supervisor _____ Date _____

Date Ordered _____ P.O.# _____
Unit type: _____ Attachments _____
Year _____ Make _____ Model _____

Subscribed and sworn to before me this _____ day of _____ 20____,

Notary _____

My commission expires _____