





- Features..... Auto pack when arms lowered under windshield.
- Wind flanges.....Add bristled type wind deflectors on top sides of hopper.
- Features..... Joystick controlled arm functions.
- Lubrication..... Provide central grease manifold where possible, no auto lube systems wanted.
- Fire ports..... Install as customary; include 20lb fire extinguisher LS on body.
- Decals.....Usual and customary decals for City of Norman truck with CNG.  
Exclude any dealer branding or advertising.
- Mudflaps..... Include hard type, non-rubber mud flaps after rear axle.

**Hydraulics**

- High pressure filtered system with dirt alarm visual and audible.
- Preferred filtering on supply and return sides if possible.
- Pump to be mounted at front bumper in provided FEPTO space.
- Over speed set at 1400RPM. 80 gallon tank. Use 3 stage press cylinders with chrome pistons and wiper seals. Provide a flow shut off on tank outlet. Use steel lines where possible in lieu of rubber hoses.

**Electrical and Lighting**

- Reverse warning..... Third eye single sensor radar detection system.
- Camera system..... Camera for hopper LH-side, LH-RH mirrors, Rear center,
- Lighting..... 1 flood type behind packer, 2 below front canopy, all to be switched in cab and LED.
- Strobes..... 4 strobes amber, white-2 top and 2 bottom of tailgate.  
1- 6” amber strobe above rear camera at tail gate center. All to be LED.  
4 strobes in grille, 2 amber/ 2 white in X pattern. 1 All key activated.
- Heat protection.....All wiring, tubes, hoses etc. must be placed in a way that will isolate them from all heat sources and other hazards.



**CNG SYSTEM**

Tank capacity.....	80 DGE minimum, 120 DGE maximum.
Number of tanks.....	Maximum of 5 tanks.
Tank configuration.....	Arrange horizontally, top of refuse body.
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**

No deductibles or freight charges. Parts, labor, fluids, shop supplies and incidentals included.

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.

Fuel system.....less engine; complete system, 5 years unlimited mileage.

Camera system..... 3 years, unlimited mileage.

Other vendor systems.....3 years, unlimited mileage.



### **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. (This is primarily for chassis dealer.)
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. (This will primarily apply to chassis dealer.)



**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 \_\_\_\_\_