



Lexington-Fayette Urban County Government
DEPARTMENT OF FINANCE & ADMINISTRATION

Jim Gray
Mayor

William O'Mara
Commissioner

ADDENDUM #3

Bid Number: **Bid 9-2016**

Date: January 28, 2016

Subject: Cab & Chassis Truck with Rear Loading Refuse Collection Body Address inquiries to:
Todd Slatin
(859) 258-3320

TO ALL PROSPECTIVE SUBMITTERS:

Please be advised of the following clarifications to the above referenced Bid:

Only one price will be allowed per bidder, bids for multiple cab/chassis/collection body options will be reject. Please use the pricing sheet below as part of your bid submittal.

Todd Slatin, Director
Division of Central Purchasing

All other terms and conditions of the Bid and specifications are unchanged.
This letter should be signed, attached to and become a part of your Bid.

COMPANY NAME: Peterbilt of Louisville

ADDRESS: 4415 Hamburg Pike Jeffersonville IN 47130

SIGNATURE OF BIDDER: Bell Klt

Pricing Form

Bidders may only submit ONE cab/chassis/collection body with their bid. Bids for multiple cab/chassis/collection body options will be rejected.

1. Complete unit price \$ 284,972.⁰⁰



Lexington-Fayette Urban County Government
DEPARTMENT OF FINANCE & ADMINISTRATION

Jim Gray
Mayor

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Addendum #2

Bid Number:	Bid 9-2016	Date:	January 28, 2016
Subject:	Cab & Chassis Truck w/ Rear Loading Refuse Collection Body	Please address inquiries to:	Debra Bright (859) 258-3320

TO ALL PROSPECTIVE BIDDERS:

Please be advised of the following changes to the above referenced specifications:

The bid opening date has been extended to February 10th, 2016 at 200 P.M.

Todd Slatin, Purchasing Director
Division of Central Purchasing

All other terms and conditions of the Proposal and specifications are unchanged.

This letter should be signed, attached to and become a part of your Proposal.

PROPOSAL OF: Peterbilt of Louisville

ADDRESS: 4415 Hamburg Pike Jeffersonville, IN 47130

SIGNATURE OF BIDDER: Bell Kle



Lexington-Fayette Urban County Government
DEPARTMENT OF FINANCE & ADMINISTRATION

Jim Gray
Mayor

William O' Mara
Commissioner

Addendum #1

Bid Number: Bid 9-2016 Date: January 28, 2016
Subject: Cab & Chassis Truck w/ Please address inquiries to:
Rear Loading Refuse Collection Debra Bright
Body (859) 258-3320

TO ALL PROSPECTIVE BIDDERS:

Please be advised of the following changes to the above referenced specifications:

Please disregard the previous pricing sheet. Please use the following price sheet for Cab & Chassis Truck w/Rear Loading Refuse Collection Body.

Todd Slatin, Purchasing Director
Division of Central Purchasing

All other terms and conditions of the Proposal and specifications are unchanged.

This letter should be signed, attached to and become a part of your Proposal.

PROPOSAL OF: Peterbilt of Louisville

ADDRESS: 4415 Hamburg Pike, Jeffersonville, IN 47130

SIGNATURE OF BIDDER: Bill [Signature]

Pricing Form

Bidder may submit up to three different cab/chassis/collection body options indicating the complete unit prices below.

1. Complete unit price \$ _____

2. Complete unit price \$ _____

3. Complete unit price \$ _____



Lexington-Fayette Urban County Government

Lexington, Kentucky
Horse Capital of the World

Division of Central Purchasing

Date of Issue: January, 20, 2016

INVITATION TO BID #9-2016 Cab & Chassis Truck w/Rear Loading Refuse Collection Body

Bid Opening Date: February 3, 2016

Bid Opening Time: 2:00 PM

Address: 200 East Main Street, 3rd Floor, Room 338, Lexington, Kentucky 40507

Type of Bid: Price Contract

Pre Bid Meeting: N/A

Pre Bid Time: N/A

Address: N/A

Sealed bids will be received in the office of the Division of Central Purchasing, 200 East Main Street, Lexington, Kentucky, until **2:00 PM**, prevailing local time on **02/03/2016**. Bids must be received by the above-mentioned date and time. Mailed bids should be sent to:

**Division of Central Purchasing
200 East Main Street, Room 338
Lexington, KY 40507, (859) 258-3320**

The Lexington-Fayette Urban County Government assumes no responsibility for bids that are not addressed and delivered as indicated above. **Bids that are not delivered to the Division of Central Purchasing by the stated time and date will be rejected.** All bids must be signed and have the company name and address, bid invitation number, and the name of the bid on the outside of the envelope.

Bids are to include all shipping costs to the point of delivery located at: DELIVERY ADDRESS, Lexington, KY 405XX

Bid Security Required: ___ Yes No *Cashier Check, Certified Check, Bid Bond (Personal checks and company checks will not be acceptable).*

Performance Bond Required: ___ Yes No

<input type="checkbox"/> Bid Specifications Met	<input checked="" type="checkbox"/> Check One: Exceptions to Bid Specifications. <i>Exceptions shall be itemized and attached to bid proposal submitted.</i>	Proposed Delivery: ___ days after acceptance of bid.
Procurement Card Usage —The Lexington-Fayette Urban County Government may be using Procurement Cards to purchase goods and services and also to make payments. Will you accept Procurement Cards? <input type="checkbox"/> Yes <input type="checkbox"/> No		

Submitted by: Peterbilt of Louisville
Firm Name

4415 Hamburg Pike
Address

Jeffersonville, IN 47130
City, State & Zip

Bid must be signed: Bill Hite
(original signature) **Signature of Authorized Company Representative – Title**

Bill Hite
Representative's Name (Typed or printed)

812-288-8007 812-285-8438
Area Code - Phone - Extension Fax #

bhite@tlgtrucks.com
E-Mail Address

The Affidavit in this bid must be completed before your firm can be considered for award of this contract.

AFFIDAVIT

Comes the Affiant, Bill Hite, and after being first duly sworn under penalty of perjury as follows:

1. His/her name is Bill Hite and he/she is the Individual submitting the bid or is the authorized representative of Peterbilt of Louisville the entity submitting the bid (hereinafter referred to as "Bidder")
2. Bidder will pay all taxes and fees, which are owed to the Lexington-Fayette Urban County Government at the time the bid is submitted, prior to award of the contract and will maintain a "current" status in regard to those taxes and fees during the life of the contract.
3. Bidder will obtain a Lexington-Fayette Urban County Government business license, if applicable, prior to award of the contract.
4. Bidder has authorized the Division of Central Purchasing to verify the above-mentioned information with the Division of Revenue and to disclose to the Urban County Council that taxes and/or fees are delinquent or that a business license has not been obtained.
5. Bidder has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of a contract to the Bidder will not violate any provision of the campaign finance laws of the Commonwealth.
6. Bidder has not knowingly violated any provision of Chapter 25 of the Lexington-Fayette Urban County Government Code of Ordinances, known as "Ethics Act."
7. Bidder acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his conduct is of that nature or that the circumstance exists.

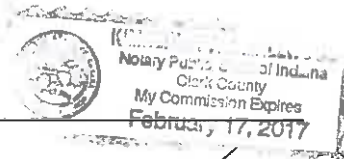
Further, Affiant sayeth naught. _____

STATE OF Indiana

COUNTY OF Clark

The foregoing instrument was subscribed, sworn to and acknowledged before me by Bill Hite on this the 9th day of February, 2016.

My Commission expires: _____



Therese A. Powell
NOTARY PUBLIC, STATE AT LARGE

Please refer to Section II. Bid Conditions, Item "U" prior to completing this form.

I. GREEN PROCUREMENT

A. ENERGY

The Lexington-Fayette Urban County Government is committed to protecting our environment and being fiscally responsible to our citizens.

The Lexington-Fayette Urban County Government mandates the use of Energy Star compliant products if they are available in the marketplace (go to www.Energystar.gov). If these products are available, but not submitted in your pricing, your bid will be rejected as non-compliant.

ENERGY STAR is a government program that offers businesses and consumers energy-efficient solutions, making it easy to save money while protecting the environment for future generations.

Key Benefits

These products use 25 to 50% less energy
Reduced energy costs without compromising quality or performance
Reduced air pollution because fewer fossil fuels are burned
Significant return on investment
Extended product life and decreased maintenance

B. GREEN SEAL CERTIFIED PRODUCTS

The Lexington-Fayette Urban County Government is also committed to using other environmentally friendly products that do not negatively impact our environment. Green Seal is a non-profit organization devoted to environmental standard setting, product certification, and public education.

Go to www.Greenseal.org to find available certified products. These products will have a reduced impact on the environment and on human health. The products to be used must be pre-approved by the LFUCG prior to commencement of any work in any LFUCG facility. If a Green Seal product is not available, the LFUCG must provide a signed waiver to use an alternate product. Please provide information on the Green Seal products being used with your bid response.

C. GREEN COMMUNITY

The Lexington-Fayette Urban County Government (LFUCG) serves as a principal, along with the University of Kentucky and Fayette County Public Schools, in the Bluegrass Partnership for a Green Community. The Purchasing Team component of the Partnership collaborates on economy of scale purchasing that promotes and enhances environmental initiatives. Specifically, when applicable, each principal is interested in obtaining best value products and/or services which promote environment initiatives via solicitations and awards from the other principals.

If your company is the successful bidder on this Invitation For Bid, do you agree to extend the same product/service pricing to the other principals of the Bluegrass Partnership for a Green Community (i.e. University of Kentucky and Fayette County Schools) if requested?

Yes No

II. Bid Conditions

- A. No bid may be withdrawn for a period of sixty (60) days after the date and time set for opening.
- B. No bid may be altered after the date and time set for opening. In the case of obvious errors, the Division of Central Purchasing may permit the withdrawal of a bid. The decision as to whether a bid may be withdrawn shall be that of the Division of Central Purchasing.
- C. Acceptance of this proposal shall be enactment of an Ordinance by the Urban County Council.
- D. The bidder agrees that the Urban County Government reserves the right to reject any and all bids for either fiscal or technical reasons, and to award each part of the bid separately or all parts to one vendor.
- E. Minor exceptions may not eliminate the bidder. The decision as to whether any exception is minor shall be entirely that of the head of the requisitioning Department or Division and the Director of the Division of Central Purchasing. The Urban County Government may waive technicalities and informalities where such waiver would best serve the interests of the Urban County Government.
- F. Manufacturer's catalogue numbers, trade names, etc., where shown herein are for descriptive purposes and are to guide the bidder in interpreting the standard of quality, design, and performance desired, and shall not be construed to exclude proposals based on furnishing other types of materials and/or services. However, any substitution or departure proposed by the bidder must be clearly noted and described; otherwise, it will be assumed that the bidder intends to supply items specifically mentioned in this Invitation for Bids.
- G. The Urban County Government may require demonstrations of the materials proposed herein prior to acceptance of this proposal.
- H. Bids must be submitted on this form and must be signed by the bidder or his authorized representative. Unsigned bids will not be considered.
- I. Bids must be submitted prior to the date and time indicated for opening. Bids submitted after this time will not be considered.
- J. All bids mailed must be marked on the face of the envelope:

"Bid on #9-2016 Cab & Chassis Truck w/Rear Loading Refuse Collection Body"

and addressed to: Division of Central Purchasing
 200 East Main Street, Room 338
 Lexington, Kentucky 40507

The Lexington-Fayette Urban County Government assumes no responsibility for bids that are not addressed and delivered as indicated above. Bids that are not delivered to the Division of Central Purchasing by the stated time and date will be rejected.

- K. Bidder is requested to show both unit prices and lot prices. In the event of error, the unit price shall prevail.
- L. A certified check or Bid Bond in the amount of XX percent of the bid price must be attached hereto. This check must be made payable to the Lexington-Fayette Urban County Government, and will be returned when the material and/or services specified herein have been delivered in accordance with specifications. In the event of failure to perform within the time period set forth in this bid, it is agreed the certified check may be cashed and the funds retained by the Lexington-Fayette Urban County Government as liquidated damages. Checks of unsuccessful bidders will be returned when the bid has been awarded.
- M. The delivery dates specified by bidder may be a factor in the determination of the successful bidder.
- N. Tabulations of bids received may be mailed to bidders. Bidders requesting tabulations must enclose a stamped, self-addressed envelope with the bid.
- O. The Lexington-Fayette Urban County Government is exempt from Kentucky Sales Tax and Federal Excise Tax on materials purchased from this bid invitation. Materials purchased by the bidder for construction projects are not tax exempt and are the sole responsibility of the bidder.

- P. All material furnished hereunder must be in full compliance with OSHA regulations.
- Q. If more than one bid is offered by one party, or by any person or persons representing a party, all such bids shall be rejected.
- R. Signature on the face of this bid by the Bidder or his authorized representative shall be construed as acceptance of and compliance with all terms and conditions contained herein.
- S. The Entity (regardless of whether construction contractor, non-construction contractor or supplier) agrees to provide equal opportunity in employment for all qualified persons, to prohibit discrimination in employment because of race, color, creed, national origin, sex or age, and to promote equal employment through a positive, continuing program from itself and each of its sub-contracting agents. This program of equal employment opportunity shall apply to every aspect of its employment policies and practices.
- T. The Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) requires that any county, city, town, school district, water district, hospital district, or other political subdivision of the state shall include in directly or indirectly publicly funded contracts for supplies, materials, services, or equipment hereinafter entered into the following provisions:

During the performance of this contract, the contractor agrees as follows:

- (1) *The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age or national origin;*
- (2) *The contractor will state in all solicitations or advertisements for employees placed by or on behalf of the contractors that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age or national origin;*
- (3) *The contractor will post notices in conspicuous places, available to employees and applicants for employment, setting forth the provisions of the non-discrimination clauses required by this section; and*
- (4) *The contractor will send a notice to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding advising the labor union or workers' representative of the contractor's commitments under the nondiscrimination clauses.*

The Act further provides:

KRS 45.610. Hiring minorities - Information required

- (1) *For the length of the contract, each contractor shall hire minorities from other sources within the drawing area, should the union with which he has collective bargaining agreements be unwilling to supply sufficient minorities to satisfy the agreed upon goals and timetable.*
- (2) *Each contractor shall, for the length of the contract, furnish such information as required by KRS 45.560 to KRS 45.640 and by such rules, regulations and orders issued pursuant thereto and will permit access to all books and records pertaining to his employment practices and work sites by the contracting agency and the department for purposes of investigation to ascertain compliance with KRS 45.560 to 45.640 and such rules, regulations and orders issued pursuant thereto.*

KRS 45.620. Action against contractor - Hiring of minority contractor or subcontractor

- (1) *If any contractor is found by the department to have engaged in an unlawful practice under this chapter during the course of performing under a contract or subcontract covered under KRS 45.560 to 45.640, the department shall so certify to the contracting agency and such certification shall be binding upon the contracting agency unless it is reversed in the course of judicial review.*
- (2) *If the contractor is found to have committed an unlawful practice under KRS 45.560 to 45.640, the contracting agency may cancel or terminate the contract, conditioned upon a program for future compliance approved by the contracting agency and the department. The contracting agency may declare such a contractor ineligible to bid on further contracts with that agency until such time as the contractor complies in full with the requirements of KRS 45.560 to 45.640.*

- (3) *The equal employment provisions of KRS 45.560 to 45.640 may be met in part by a contractor by subcontracting to a minority contractor or subcontractor. For the provisions of KRS 45.560 to 45.640, a minority contractor or subcontractor shall mean a business that is owned and controlled by one or more persons disadvantaged by racial or ethnic circumstances.*

KRS 45.630 Termination of existing employee not required, when

Any provision of KRS 45.560 to 45.640 notwithstanding, no contractor shall be required to terminate an existing employee upon proof that that employee was employed prior to the date of the contract.

KRS 45.640 Minimum skills

Nothing in KRS 45.560 to 45.640 shall require a contractor to hire anyone who fails to demonstrate the minimum skills required to perform a particular job.

It is recommended that all of the provisions above quoted to be included as special conditions in each contract. In the case of a contract exceeding \$250,000, the contractor is required to furnish evidence that his work-force in Kentucky is representative of the available work-force in the area from which he draws employees, or to supply an Affirmative Action plan which will achieve such representation during the life of the contract.

- U. Any party, firm or individual submitting a proposal pursuant to this invitation must be in compliance with the requirements of the Lexington-Fayette Urban County Government regarding taxes and fees before they can be considered for award of this Invitation and must maintain a "current" status with regard to those taxes and fees throughout the term of the contract. The contractor must be in compliance with Chapter 13 from the Code of Ordinances of the Lexington-Fayette Urban County Government. The contractor must be in compliance with Ordinance 35-2000 pursuant to contractor registration with the Division of Building Inspection. If applicable, said business must have a Fayette County business license.

Pursuant to KRS 45A.343 and KRS 45A.345, the contractor shall

- (1) *Reveal any final determination of a violation by the contractor within the previous five year period pursuant to KRS Chapters 136 (corporation and utility taxes), 139 (sales and use taxes), 141 (income taxes), 337 (wages and hours), 338 (occupational safety and health of employees), 341 (unemployment and compensation) and 342 (labor and human rights) that apply to the contractor; and*
- (2) *Be in continuous compliance with the above-mentioned KRS provisions that apply to the contractor for the duration of the contract.*

A contractor's failure to reveal the above or to comply with such provisions for the duration of the contract shall be grounds for cancellation of the contract and disqualification of the contractor from eligibility for future contracts for a period of two (2) years.

- V. Vendors who respond to this invitation have the right to file a notice of contention associated with the bid process or to file a notice of appeal of the recommendation made by the Director of Central Purchasing resulting from this invitation.

Notice of contention with the bid process must be filed within 3 business days of the bid/proposal opening by (1) sending a written notice, including sufficient documentation to support contention, to the Director of the Division of Central Purchasing or (2) submitting a written request for a meeting with the Director of Central Purchasing to explain his/her contention with the bid process. After consulting with the Commissioner of Finance the Chief Administrative Officer and reviewing the documentation and/or hearing the vendor, the Director of Central Purchasing shall promptly respond in writing findings as to the compliance with bid processes. If, based on this review, a bid process irregularity is deemed to have occurred the Director of Central Purchasing will consult with the Commissioner of Finance, the Chief Administrative Officer and the Department of Law as to the appropriate remedy.

Notice of appeal of a bid recommendation must be filed within 3 business days of the bid recommendation by (1) sending a written notice, including sufficient documentation to support appeal, to the Director, Division of Central Purchasing or (2) submitting a written request for a meeting with the Director of Central Purchasing to explain his appeal. After reviewing the documentation and/or hearing the vendor and consulting with the Commissioner of Finance and the Chief Administrative Officer, the Director of Central Purchasing shall in writing, affirm or withdraw the recommendation.

III. Procurement Contract Bid Conditions

- A. The terms of this agreement shall be for 1 year(s) from the date of acceptance of this contract by the Lexington-Fayette Urban County Government. This agreement may be automatically extended for an additional 1 year(s) renewal. This contract may be canceled by either party thirty (30) days after delivery by canceling party of written notice of intent to cancel to the other contracting party.
- B. Price Changes (**Space Checked Applies**)
 - (XXX) 1. Prices quoted in response to the Invitation shall be firm prices for the first 90 days of the Procurement Contract. After 90 days, prices may be subject to revision and such changes shall be based on general industry changes. Revision may be either increases or decreases and may be requested by either party. There will be no more than one (1) price adjustment per quarter. Requests for price changes shall be received in writing at least twenty (20) days prior to the effective date and are subject to written acceptance before becoming effective. Proof of the validity of a request for revision shall be responsibility of the requesting party. The Lexington-Fayette Urban County Government shall receive the benefit of any decline that the seller shall offer his other accounts.
 - () 2. No provision for price change is made herein. Prices are to be firm for the term of this contract.
 - () 3. Procurement Level Contract
- C. If any contract item is not available from the vendor, the Lexington-Fayette Urban County Government, at its option, may permit the item to be back-ordered or may procure the item on the open market.
- D. All invoices must bear reference to the Lexington-Fayette Urban County Government Purchasing document numbers which are being billed.
- E. This contract may be canceled by the Lexington-Fayette Urban County Government if it is determined that the Bidder has failed to perform under the terms of this agreement, such cancellation to be effective upon receipt of written notice of cancellation by the Bidder.
- F. No substitutions for articles specified herein may be made without prior approval of the Division of Central Purchasing.

EQUAL OPPORTUNITY AGREEMENT

The Law

- Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- Executive Order No. 11246 on Nondiscrimination under Federal contract prohibits employment discrimination by contractor and sub-contractor doing business with the Federal Government or recipients of Federal funds. This order was later amended by Executive Order No. 11375 to prohibit discrimination on the basis of sex.
- Section 503 of the Rehabilitation Act of 1973 states:

The Contractor will not discriminate against any employee or applicant for employment because of physical or mental disability.

- Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal contracts.
- Section 206(A) of Executive Order 12086, Consolidation of Contract Compliance Functions for Equal Employment Opportunity, states:

The Secretary of Labor may investigate the employment practices of any Government contractor or sub-contractor to determine whether or not the contractual provisions specified in Section 202 of this order have been violated.

The Lexington-Fayette Urban County Government practices Equal Opportunity in recruiting, hiring and promoting. It is the Government's intent to affirmatively provide employment opportunities for those individuals who have previously not been allowed to enter into the mainstream of society. Because of its importance to the local Government, this policy carries the full endorsement of the Mayor, Commissioners, Directors and all supervisory personnel. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Urban County Government policy and illegal for the Government to let contracts to companies which knowingly or unknowingly practice discrimination in their employment practices. Violation of the above mentioned ordinances may cause a contract to be canceled and the contractors may be declared ineligible for future consideration.

Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.

Bidders

I/We agree to comply with the Civil Rights Laws listed above that govern employment rights of minorities, women, veteran status, disability and age.

Bell Hech
Signature

Peterbilt of Louisville
Name of Business

GENERAL PROVISIONS OF BID CONTRACT

By signing the below, bidder acknowledges that it understands and agrees with the following provisions related to its bid response and the provision of any goods or services to LFUCG upon selection by LFUCG pursuant to the bid request:

1. Bidder shall comply with all Federal, State & Local regulations concerning this type of service or good.
2. Failure to submit ALL forms and information required by LFUCG may be grounds for disqualification.
3. Addenda: All addenda, if any, must be considered by the bidder in making its response, and such addenda shall be made a part of the requirements of the bid contract. Before submitting a bid response, it is incumbent upon bidder to be informed as to whether any addenda have been issued, and the failure of the bidder to cover any such addenda may result in disqualification of that response.
4. Bid Reservations: LFUCG reserves the right to reject any or all bid responses, to award in whole or part, and to waive minor immaterial defects in proposals. LFUCG may consider any alternative proposal that meets its basic needs.
5. Liability: LFUCG is not responsible for any cost incurred by bidder in the preparation of its response.
6. Changes/Alterations: Bidder may change or withdraw a proposal at any time prior to the opening; however, no oral modifications will be allowed. Only letters, or other formal written requests for modifications or corrections of a previously submitted proposal which is addressed in the same manner as the bid response, and received by LFUCG prior to the scheduled closing time for receipt of bids, will be accepted. The bid response when opened, will then be corrected in accordance with such written request(s), provided that the written request is contained in a sealed envelope which is plainly marked "modifications of bid response".
7. Clarification of Submittal: LFUCG reserves the right to obtain clarification of any point in a bid or to obtain additional information from any bidder.
8. Bribery Clause: By his/her signature on its response, bidder certifies that no employee of his/hers, any affiliate or subcontractor, has bribed or attempted to bribe an officer or employee of the LFUCG.
9. Additional Information: While not necessary, the bidder may include any product brochures, software documentation, sample reports, or other documentation that may assist LFUCG in better understanding and evaluating the bid response. Additional documentation shall not serve as a substitute for other documentation which is required by the LFUCG to be submitted with the bid response.
10. Ambiguity, Conflict or other Errors: If a bidder discovers any ambiguity, conflict, discrepancy, omission or other error in the bid request of LFUCG, it shall immediately notify LFUCG of such error in writing and request modification or clarification of the document if allowable by the LFUCG.
11. Agreement to Bid Terms: In submitting its bid response, the bidder agrees that it has carefully examined the specifications and all provisions relating to LFUCG's bid request, including but not limited to the bid contract. By submission of its bid response, bidder states that it understands the meaning, intent and requirements of LFUCG's bid request and agrees to the same. The successful bidder shall warrant that it is familiar with and understands all provisions herein and shall warrant that it can comply with them. No additional compensation to bidder shall be authorized for services, expenses, or goods reasonably covered under these provisions that the bidder omits from its bid response.
12. Cancellation: LFUCG may unilaterally terminate the bid contract with the selected bidder(s) at any time, with or without cause, by providing at least thirty (30) days advance written notice unless a different advance written notice period is negotiated prior to contract approval. Payment for services or goods received prior to termination shall be made by the LFUCG provided these goods or services were provided in a manner acceptable to the LFUCG. Payment for those goods and services shall not be unreasonably withheld.

13. **Assignment of Contract:** The selected bidder(s) shall not assign or subcontract any portion of the bid contract with LFUCG without the express written consent of LFUCG. Any purported assignment or subcontract in violation hereof shall be void. It is expressly acknowledged that LFUCG shall never be required or obligated to consent to any request for assignment or subcontract; and further that such refusal to consent can be for any or no reason, fully within the sole discretion of LFUCG.
14. **No Waiver:** No failure or delay by LFUCG in exercising any right, remedy, power or privilege hereunder, nor any single or partial exercise thereof, nor the exercise of any other right, remedy, power or privilege shall operate as a waiver hereof or thereof. No failure or delay by LFUCG in exercising any right, remedy, power or privilege under or in respect of this bid proposal or bid contract shall affect the rights, remedies, powers or privileges of LFUCG hereunder or shall operate as a waiver thereof.
15. **Authority to do Business:** Each bidder must be authorized to do business under the laws of the Commonwealth of Kentucky and must be in good standing and have full legal capacity to provide the goods or services specified in the bid proposal. Each bidder must have all necessary right and lawful authority to submit the bid response and enter into the bid contract for the full term hereof including any necessary corporate or other action authorizing the bidder to submit the bid response and enter into this bid contract. If requested, the bidder will provide LFUCG with a copy of a corporate resolution authorizing this action and/or a letter from an attorney confirming that the proposer is authorized to do business in the Commonwealth of Kentucky. All bid responses must be signed by a duly authorized officer, agent or employee of the bidder.
16. **Governing Law:** This bid request and bid contract shall be governed by and construed in accordance with the laws of the Commonwealth of Kentucky. In the event of any proceedings regarding this matter, the bidder agrees that the venue shall be the Fayette County Circuit Court or the U.S. District Court for the Eastern District of Kentucky, Lexington Division and that the bidder expressly consents to personal jurisdiction and venue in such Court for the limited and sole purpose of proceedings relating to these matters or any rights or obligations arising thereunder.
17. **Ability to Meet Obligations:** Bidder affirmatively states that there are no actions, suits or proceedings of any kind pending against bidder or, to the knowledge of the bidder, threatened against the bidder before or by any court, governmental body or agency or other tribunal or authority which would, if adversely determined, have a materially adverse effect on the authority or ability of bidder to perform its obligations under this bid response or bid contract, or which question the legality, validity or enforceability hereof or thereof.
18. Bidder understands and agrees that its employees, agents, or subcontractors are not employees of LFUCG for any purpose whatsoever. Bidder is an independent contractor at all times related to the bid response or bid contract.
19. If any term or provision of this bid contract shall be found to be illegal or unenforceable, the remainder of the contract shall remain in full force and such term or provision shall be deemed stricken.

Bill Kie
Signature

2/2/16
Date

1.0 SCOPE OF BID

- 1.1 This specification describes the minimum requirements for a cab & chassis truck with rear loading high compaction refuse collection body.

2.0 REQUIREMENTS

- 2.1 Engine and Drivetrain
- 2.2 Engine: Engine displacement shall be not less than 725 in³ and specifically designed to operate on compressed natural gas (CNG). Engine shall be rated at no less than 330 horsepower and 1250 lb-ft. of torque. Engine manufacturer's warranty shall cover all internally lubricated components, gaskets, seals, fuel system parts, and electronic engine management components for a period of not less than 5 years, 150,000 miles, or 4,500 hours whichever occurs first. Complete description of engine warranty shall be provided in bid package.
- 2.3 Starting: Engine starter shall be 12 volt with overcrank protection.
- 2.4 Batteries: Three (3) 12-volt, threaded post, absorbed glass mat (AGM) batteries providing the maximum available cold cranking amps (CCA) at 0° F. Jump start terminals shall be provided in a convenient location outside the battery enclosure. Battery enclosure shall include all available options to minimize corrosive damage to enclosure. A master battery disconnect shall be located on the outside of the battery enclosure with a pilot light indication of when the truck is energized.
- 2.5 Charging: Engine alternator shall have a rated output of not less than 140 amps.
- 2.6 Air Cleaner: Engine shall be equipped with a dry type air filter system with restriction indicator.
- 2.7 Cooling: Cooling system shall have external spin-on type coolant filter. Coolant shall be all-weather, extended life, providing antifreeze protection to -30° F. All coolant hoses shall be silicone rubber with constant tension hose clamps designed for use with silicone hose.
- 2.8 Engine Heater: Engine shall be equipped with 110-120 volt, 1500 watt immersion type pre heater. Engine heater receptacle shall be flush mounted on driver's (left) side of cab easily visible by person entering cab.
- 2.9 Engine Protection: Engine management system shall provide warning, and shutdown for conditions such as low engine oil pressure, high engine oil temperature, high coolant temperature, and low coolant level.
- 2.10 Exhaust: Unit shall have vertical exhaust system with chrome plated rain-proof stack.
- 2.11 Transmission: Allison model 4500-RDS, six forward speeds with all features required by body manufacturer. Transmission shall be provided with Allison Extended Transmission Coverage (ETC) providing a total warranty period of five (5) years (ETC plus standard warranty period). Transmission shall be filled with Allison TranSynd™ transmission fluid prior to delivery.

3.0 Chassis

- 3.1 **Frame:** Each frame rail shall have a RBM rating of not less than 3,000,000 in.-lb. Frame shall have two front tow eyes installed. Front bumper shall be painted steel (black).
- 3.2 **Wheel Base:** As determined by body manufacturer.
- 3.3 **Front Axle & Suspension:** Front axle shall have a rated capacity of not less than 20,000 lbs. Front suspension and related components shall have a rated capacity of not less than 23,000 lbs. Front suspension shall include single overload cushions and shock absorbers.
- 3.4 **Rear Axle & Suspension:** Tandem rear axles and suspension shall have a rated capacity of not less than 46,000 lbs.
- 3.5 **Steering:** Hydraulic power assisted, with power steering oil cooler.
- 3.6 **Brakes:** Front and rear brake systems shall be air disc type with severe service brake rotors. Brake hoses shall be wire braid type.
- 3.7 **Air Dryer and Tanks:** Brake system shall be equipped with a Bendix desiccant type air dryer. Air reservoirs shall be drained from a single point. Air brake system shall include a Schrader valve fill port for charging from an external compressed air source. Air tanks shall be painted aluminum.
- 3.8 **Tires & Wheels:** Front wheels- 22.5" X 12.25" pilot mount steel disc. Front tires- 425/65R-22.5 load range L, Michelin XZY 3. Rear wheels- 22.5" X 8.25" pilot mount steel disc. Rear tires- Goodyear 12R22.5 G622 RSD load range H. All wheels shall be furnished with a gloss black powder coat finish.

4.0 Cab and Fixtures

- 4.1 **Cab:** Tilt type cab over engine design. Front wheel openings shall have rubber flares installed. Extended rain gutters shall be installed over doors. Cab tilt pump shall include air assist.
- 4.2 **Cab Fixtures:** Driver's seat shall be air suspended. Cab shall legally seat three (3) people including driver. All seating positions shall be equipped with a high visibility seat belt. Cab shall be equipped with an automotive-type integrated air conditioner/heater/defroster with variable speed fan, and an AM/FM radio with mute-in-reverse feature.
- 4.3 **Instruments:** Cab shall include instrumentation for driver monitoring of coolant temperature, engine oil pressure, air pressure, fuel level (pressure), battery voltage, vehicle speed (MPH), engine speed (RPM), transmission oil temperature, alternator output (amps), miles traveled, and engine hours. Warning lights shall be provided for low air pressure, low engine oil pressure, high coolant temperature, differential lock, and parking brake application.
- 4.4 **Backup Alarm:** Vehicle shall have an electronic backup alarm device installed.

- 4.5 Mirrors: Heated tri-plane mirrors with two convex sections each and power remote controlled flat plane in the center.
- 4.6 Horns: Dual electric horns. Single air horn mounted on cab bottom.
- 4.7 Fuel Tank: Diesel gallon equivalent (DGE) of seventy five (75) gallons. (see section 11.0)
- 4.8 Paint: Frame shall be gloss black. Cab shall be finished with blue DuPont Imron Elite #44426. Bottom of cab shall be finished and undercoated.
- 4.9 Lighting: All cab lighting shall be LED type. Clearance lamps shall be installed with limb guards.
- 4.10 Auxiliary Switches: Cab and chassis truck manufacturer shall install auxiliary switches in-cab as required by body manufacturer.
- 4.11 Other Equipment: Cab and chassis truck shall retain all standard equipment unless specified or replaced by optional equipment.

5.0 Power Take-Off

- 5.1 Cab & chassis shall be designed to accept front mounting of a crankshaft driven hydraulic pump. Design shall allow PTO operation when cab is in a tilted position. Power take off controls shall be inside cab mounted, within drivers reach.

6.0 Body Construction

- 6.1 Payload Capacity: Net usable capacity shall be not less than 31 cubic yards.
- 6.2 Body Dimensions: Inside height shall be minimum 85 5/8 inches, outside height maximum 97 3/4 inches above chassis rails, exclusive of body risers. Inside width shall be minimum 89 1/2 inches, outside width shall be maximum 96 inches.
- 6.3 Body Floor: Body floor shall be constructed of minimum 1/4" abrasion resisting steel plate having a yield strength of not less than 100,000 PSI. Floor shall be flat throughout, troughs or valleys are not acceptable. Two (2) "V" type longitudinals formed of 7 gauge 50,000 PSI yield steel, internally gusseted, shall be provided for the full length of the body. Longitudinals shall provide floor support without the use of crossmembers. Longitudinals shall be 6 1/2 inches high X 11 3/8 inches wide at the floor and 3 inches wide at the truck frame.
- 6.4 Body Sidewalls: Body sides shall be minimum 7 gauge abrasion resisting steel plate having a yield strength of not less than 100,000 PSI. Body shall have curved sidewalls to provide additional strength without additional exterior bracing. Top rail and rub rail shall be formed channel 5 inches X 3 inches, minimum of 10 gauge 50,000 PSI yield steel and shall be fully welded to body sides. Top leg of braces shall be tapered. Rear body corner posts shall be 3/16 inch 50,000 PSI yield steel, 4 3/4 inch X 6 inch and internally gusseted. Front body corner posts shall be 12 gauge 50,000 PSI yield steel formed box section.

- 6.5 Body Roof: Roof shall be curved without the use of crossmembers and constructed of minimum 10 gauge, abrasion resisting steel having a yield strength of not less than 100,000 PSI. Seams shall be fully welded.
- 6.6 Tailgate: Tailgate shall be constructed of minimum ¼ inch 100,000 PSI yield steel, hinged at top of body. Tailgate shall be constructed to house the rear packing mechanism. Raising, lowering, and latching of tailgate shall be done hydraulically. Use of manual screw clamps or turnbuckles to secure tailgate will not be accepted. Tailgate opening shall include a rubber seal to prevent liquid seepage. Seal shall extend minimum fifty (50) inches up each side and shall be installed on the tailgate. Tailgate hinge points shall be structurally connected to boxed rear body posts such that a continuous load path is established between the tailgate hinges and the main structural elements of the body. Tailgate shall be raised by two (2) 4 inch ID. double-acting hydraulic cylinders. An in-cab console mounted light and audible alarm shall be provided to indicate when the tailgate is not fully closed and locked. Tailgate side reinforcements shall consist of 6-3/16 inch X 2-15/16 inch X 3/16 inch, 50,000 PSI yield formed steel channels fully welded to the perimeter of the tailgate side sheets. Bolt on platforms shall be provided on each side of the tailgate, with grab handles located conveniently. Platforms shall be constructed of self-cleaning, non-skid steel grate. Platforms shall be maximum eighteen (18) inches from ground level and measure ten (10) inches wide and forty one (41) inches long.
- 6.7 Hopper: Hopper shall have a minimum capacity of 4.0 cubic yards. Hopper opening shall be 80 inches X 64 inches high. Hopper floor and sill shall be constructed of ¼ inch AR400 abrasion resisting steel plate having a yield strength of minimum 155,000 PSI. Hopper shall be designed as to allow a standard 96 gallon roll cart to completely empty its entire contents using the semi-automatic tipper. Hopper loading height shall be 5 ½ inches below chassis frame height. Hopper lower sides shall be ¼ inch 100,000 PSI yield steel. Upper sides shall be 7 gauge 50,000 PSI yield steel. The sides shall be free of tracks, slots or openings. Forward area of hopper floor to have ten (10) inch X eighty (80) inch X ¼ inch 100,000 PSI yield liner plate. Hopper load sill shall be reinforced by ¼ inch 50,000 PSI yield formed box section 10-7/8 inches X 10 inches.
- 6.8 Cart Tippers: Two (2) Bayne Machine Works Inc. part number (1999-0212) tipper assemblies shall be mounted at rear of hopper. The units shall operate semi-automatically and be mounted so that the entire contents of the roll cart can be dumped into the hopper. Tippers shall be painted safety yellow. Tipper units shall be totally hydraulic, utilizing the refuse body hydraulic system as a power source. The amount of hydraulic flow to the dump units shall be mechanically limited to only that which is required to achieve the proper cycle time. It shall not be necessary to speed up truck to achieve the desired cycle time. No electrically actuated diverter valves will be accepted. Each dump unit shall have its own manual control valve mounted adjacent to the hopper. Bayne Machine Works Inc. hand valve part number (6083-125) shall be used for each flipper. Dump units shall be able to operate individually or simultaneously while maintaining proper cycle times. Complete cycle time shall be a maximum of 12 seconds. It must be possible to stop the cycle at any time and reverse direction.
- 6.9 Access Opening: The body shall have an opening, with door large enough to provide entry into the body. An interlock shall be provided to instantly stop all hydraulic operations if the access door is opened. A stow-away step arrangement shall be provided for access to the door from ground level.
- 6.10 A weather proof switch shall be installed at both sides of the tailgate to activate an audible signal in the truck cab.

7.0 Packing Mechanism

- 7.1 The packing mechanism shall consist of two (2) primary structures, the fallback shield and the packing panel.
- 7.2 Packing Panel: Packing panel shall be of free floating design. All packing panel face material shall be constructed of minimum 1/4" thick steel plate having a yield strength of not less than 155,000 PSI. Remainder of panel assembly shall be reinforced and constructed of materials suitable to withstand all compaction forces. Packing edge shall be 1/4 inch 100,000 PSI yield wear plate backed by 8 inch X 3 inch X 1/4 inch wall rectangular tube.
- 7.3 Fallback Shield: Fallback shield shall be of free floating design. Fallback shield face plate shall be constructed from 3/16 inch 100,000 PSI yield steel reinforced with formed channel members.
- 7.4 Packing Cylinders: Packing cylinders shall generate 120,000 pounds of compression force. Each cylinder shall be six inch (6") double-acting. Sweep cylinders shall be four inch (4") double-acting.
- 7.5 Compaction: Average level of compaction attainable expressed in pounds per cubic yard. Minimum: 1200 lbs. per yd³.
- 7.6 Hopper Cycle Time: Maximum time : 28 seconds.
- 7.7 Packing Controls: Packing controls shall be mechanical, manually operated. The packing control handles shall be dual levers and must be able to reverse the packing mechanism at any time in the cycle or stop any movement of packing panel. Controls shall be located curbside of the hopper opening. Control valve shall be externally located on curbside hopper wall. Control handle linkage shall be attached directly to the valve spools without the use of bell cranks or other linkage.

8.0 Ejection System

- 8.1 Ejector Panel: Ejector panel shall be operated by a double acting telescopic cylinder operating the ejector panel the full length of the body. The ejector panel shall be designed to act as a bulkhead against which refuse is compressed by the packing panel. Ejector panel face shall be constructed from 7 gauge 100,000 PSI yield steel with 10 gauge 50,000 PSI yield steel gussets and 4 inch X 3 inch X 3/16 inch wall rectangular tubes. Ejector panel shall travel on four (4) steel guide shoes, 1 inch X 2-1/2 inch X 12 inches long in floor level tracks. Ejector panel tracks shall be 6 inch @ 12# ship channel reinforced. Ejector panel tracks that are an integral part of the body floor or tracks that are in a trough below floor level are not acceptable.
- 8.2 Controls: Ejector panel and tailgate lock/unlock, raise/lower controls shall be located streetside at the forward end of packer body. An automatic throttle advance shall be provided.
- 8.3 All packing wear points shall be equipped with grease fittings.

9.0 Hydraulic Controls

- 9.1 Front mounted hydraulic pump shall be minimum 30 GPM @ 1200 RPM and shall have a minimum 2500 PSI working pressure. Working pressure of packing mechanism shall be 2000 PSI. Pump driveshaft shall be provided with suitable guard. Hydraulic pump shall be warranted by its manufacturer for a period of not less than two (2) years. No clutches shall be used in PTO/pump system. Pump shall be mounted to allow ease of maintenance and removal, removal of bumper to gain access to pump is not acceptable.
- 9.2 Hydraulic Pump: Hydraulic pump shall be primarily constructed of cast iron and/or steel.
- 9.3 Hydraulic Tank: Tank shall be of sufficient capacity to allow repeated cycling without overheating hydraulic oil. Tank shall be provided with an internally mounted suction screen with service access, return line filter with spin-on element, electrical by-pass indicator, shut-off ball valve, and screened fill port. All tank venting shall be filtered. Tank shall have a temperature gauge and an oil sight gauge with a minimum length of 5 inches. A pressure differential monitor with "CHANGE FILTER" light shall be installed in cab.
- 9.4 Overspeed Protection: A built-in flow limiter shall be incorporated to protect the hydraulic pump from damage due to an overspeed condition. External electronic overspeed systems will not be accepted.
- 9.5 Valves: Two (2) manually operated sectional control valve assemblies shall be provided with sufficient capacity to operate all hydraulic components. A regeneration valve is to be used to increase the speed of the packing cylinder. Front control valve shall be two (2) spool sectional type. Rear control valve shall be three (3) spool sectional type with the third spool for use with container handling devices. A factory relief valve set at a maximum of 2500 PSI to protect all components from excessive pressure. A pressure gauge measuring main system pressure shall be installed in close proximity to main relief valve.
- 9.6 Hydraulic Plumbing: Welded steel tubing shall be used wherever possible secured by cushioned clamps. All hydraulic hose shall meet or exceed SAE 100R2 Type AT requirements and shall be protected by protective nylon sock. Excluding main suction hose, no hose clamp connections will be accepted.

10.0 Miscellaneous

- 10.1 The frame rails of the truck shall not be drilled, cut, or altered in any way other than that approved by the chassis manufacturer.
- 10.2 Lighting: All lighting required by the Federal Motor Vehicle Safety Standard #108, shall be installed. All rear facing stop, turn, or tail lamps shall be flush mounted, sealed LED units. All clearance lamps shall be grommet mounted sealed LED units. License plate lamps and backup lamps shall be sealed LED units. Sealed LED lamps shall be used to illuminate the area in front of the ejector panel and inside hopper area, both controlled by switches in truck cab.
- 10.3 Strobe Lights: Two (2) rear facing and two (2) front facing, four inch (4") round, grommet mounted, amber strobe lights shall be mounted in a manner consistent with other front and rear facing lights.

All strobe lights shall be grommet-mounted, amber in color, self-contained LED units. Strobe box systems will not be accepted.

- 10.4 **Wiring:** Any circuit added to the truck requiring fuse protection shall be wired through the truck's fuse panel. All connections to a component shall be made with a molded plug or otherwise environmentally sealed connector. Individual wires shall be terminated with a terminal which is crimped, soldered, and covered with heat shrink tubing. Splices should be avoided. If a spliced wire cannot be avoided, the splice shall be soldered and covered with heat shrink tubing. Under no circumstances will the use of the following items or methods be accepted: crimp-type butt connectors, Scotchlok™'s, solderless terminals, electrical tape, wire nuts, in-line fuses. All wiring shall be encased in protective flexible loom.
- 10.5 **Painting/Coating:** Entire body shall be thoroughly cleaned of dirt, oil, grease, and welding slag prior to painting or coating. No electrical wire, hydraulic hose, hose end fitting or other hydraulic fittings shall be painted or coated. Body to be metallic gray (DuPont Imron Elite 44400U). Bid package shall include thorough description of painting or coating process and any warranty provided.
- 10.6 **Safety Equipment:** A 20 lb. fully rechargeable, A-B-C fire extinguisher shall be mounted on the outside of the driver's side of packer body in a convenient location. A set of reflecting safety triangles shall be provided.
- 10.7 **Back-Up Vision System:** A closed circuit rear vision system (Pro Vision) utilizing one (1) color camera and a color multi-view LCD monitor positioned for convenient viewing by driver shall be installed. System shall automatically activate when truck is in reverse gear or may be manually activated. Camera shall be protected by a stainless steel cage. Camera shall provide a view of the area immediately behind the center of the truck. Vision system components shall be provided with a five (5) year warranty.
- 10.8 **Finished Overall Height:** Bid package must state the overall finished height of the unit. Bid packages failing to state finished height cannot be evaluated. Finished heights in excess of thirteen feet (13') may be rejected.
- 10.9 **Cylinder Attachment:** Hydraulic cylinder attachment pins shall be drilled and taped such that pulling equipment can be used to facilitate their removal. Pins retained by removable saddles are exempt from this requirement.
- 10.10 **AutoLube System:** A Lincoln Quicklube[®] On Board Grease System shall be installed to service all critical points of lubrication on the refuse body. All hoses and components shall be installed in a manner where there will be no inference with body or chassis components or operations.
- 10.11 **Tool box:** A weatherproof stainless steel tool box shall be installed under the right side of truck, mounted on truck frame. Tool box shall measure (36") inches long, (24") inches tall, and (24') inches wide, with a lockable fold down door.
- 10.12 **Unit Graphics:** Graphics designed and furnished by the LFUCG Waste Management shall be installed on body.

11.0 Compressed Natural Gas

11.1 Unit shall be provided with a compressed natural gas fuel system with a capacity of not less than the equivalent of seventy five (75) diesel gallons (DGE). Fuel tank(s) shall be appropriately protected from damage caused by vehicle collision or other calamity. System shall include both a fast and slow fill port conveniently located on drivers side, a maintenance defueling port, and an interlock to prevent engine start unless fill hoses have been disconnected. Additional fast and slow fill fueling ports shall be provided in the front bumper. Pressure sending unit capable of driving the chassis OEM fuel gauge, shall be installed. Routing of fuel lines to fuel storage cylinders shall not be exposed on side of body, but must be routed through and protected by steel raceways built into the structure of the body.

11.1.1 Design and location of CNG fuel tanks shall maintain the smallest overall vehicle profile as possible. Final fuel tank installation is subject to LFUCG approval.

– 11.2 Methane Detection: Each unit shall have a dual zone methane detection system installed with sensors located in the engine compartment and inside the truck cab.

12.0 NOTES

12.1 Testing and Inspection

12.2 Each unit furnished shall be physically inspected by LFUCG personnel prior to acceptance. Appropriate measures will be taken to insure compliance with specifications; unit(s) will be checked for completeness and functionality. All equipment, standard and specified, shall be installed and tested prior to delivery. Failure to meet any aspect of this specification for which an exception was not taken may be grounds for refusal of delivery and/or payment.

12.2 Delivery

12.3 Completed vehicle(s) shall be delivered and titled to LFUCG Division of Fleet Services facility located at 669 Byrd Thurman Drive, Lexington, Kentucky. Units shall be ready to work upon delivery.

12.4 Literature

12.5 Manufacturer's literature which shall include complete specifications and warranty shall be included with bid and becomes integral part of bid. All literature submitted shall be original printed material- no photocopied material. Any modifications which may be necessary to meet specifications must be listed in writing and submitted as integral part of bid.

12.6 Method of Award

12.7 A price contract shall be awarded to the responsive and responsible bidder who has demonstrated the capability to best comply with the requirements contained herein at the lowest unit price. The price contract price shall remain in effect for one (1) year after date of award with an option to re-new for one (1) additional year if agreed by both parties. Adequately documented justification must

accompany any request for price adjustment during the contract term to be considered. The issuance of a price contract does not obligate the LFUCG for any purchases or quantities.

13.0 General

- 13.1 All equipment furnished shall be new and unused, current model production.
- 13.2 Training: Manufacturer's representative shall spend a minimum of two (2) days, instructing LFUCG mechanics and operators in the maintenance and operation of the equipment provided. One (1) day for LFUCG mechanics and one (1) day for operators as needed. Training shall include the cab & chassis, packer body and the CNG fuel system.
- 13.3 Successful bidder shall provide one (1) repair manual and one (1) parts manual with each group of units delivered. Electronic delivery or internet access to parts and service manuals is acceptable. Each unit shall be provided with a printed operator's manual. All manuals shall be original printed editions.
- 13.4 Warranty Repairs: (Applies to entire unit) If the vendor providing warranty service for any portion of unit(s) described herein whose repair facility is in excess of fifteen (15) miles from the LFUCG Fleet Services facility, at the vendor's option, warranty repairs may be performed at the vendor's location provided vendor picks up the vehicle within 24 hours of notification and returns vehicle upon completion of repairs. When vendor elects this option, all transportation expenses shall be included in the warranty coverage. In the interest of reduced downtime, the Division of Fleet Services may be designated a warranty repair shop. An in-house warranty agreement shall include reimbursement or credit for parts at 100% of their cost and labor at a rate of eighty five dollars (\$85.00) per hour. If the manufacturer publishes a time table for standard repair operations, one will be furnished and used to determine billable labor. If such a standard does not exist, vendor agrees to reimburse labor as recorded on LFUCG repair orders (actual time). Vendor shall furnish any forms the manufacturer may require for warranty return parts. LFUCG will invoice vendor for warranty repairs during the warranty period. Vendor shall agree to accept LFUCG repair orders as evidence of work performed.
- 13.5 References: If specific model bid is not currently in use by the LFUCG; upon request, bidder shall provide a list of at least five (5) users of the exact model bid.
- 13.6 Demonstrator: If specific model bid is not currently in use by the LFUCG, LFUCG reserves the right to request a demonstrator unit of the model proposed to be tested and inspected by LFUCG personnel for a minimum of five (5) business days. Demonstrator unit must be available within ten (10) business days of request.
- 13.7 Unit(s) shall retain all standard equipment as shown in published literature unless replaced by optional equipment specified herein. Units provided under this specification shall fully comply with any and all applicable OSHA, ANSI, and FMVSS standards as well as all applicable Federal, State, and local laws, regulations, standards, ordinances, resolutions, and codes at time of delivery.

§ _____

14.0 Addendums

- 14.1 **Exceptions** to any parts of these specifications shall be listed on the attached "Exception Page" with reference to the applicable paragraph number from this document.
- 14.2 **Warranty** page must be completed in its entirety in order to have your bid evaluated.
- 14.3 **Other Information** page must be completed in its entirety in order to have your bid evaluated.

EXCEPTION PAGE

Paragraph Number	Description of Exception
4.2	Peterbilt no longer make a "two man seat"
3.8	Rear Tires are Goodyear G182 RSD

Warranty Description

Basic Vehicle Warranty (cab & chassis)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 13.4?
	<i>1 year 100,000 miles</i>	<i>Peterbilt</i>	<input checked="" type="radio"/> Yes / No
Basic Warranty (body)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 13.4?
	<i>See attached from body builder</i>		Yes / No
Engine Warranty (paragraph 2.2)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 13.4?
	<i>3 years 150,000</i>	<i>Commins</i>	<input checked="" type="radio"/> Yes / No
Transmission Warranty (paragraph 2.11)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 13.4?
	<i>3 years</i>	<i>Allison</i>	<input checked="" type="radio"/> Yes / No
Exterior Finish Warranty (body)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 13.4?
	<i>See attached</i>	<i>body builder</i>	Yes / No
Hydraulic Pump Warranty (paragraph 9.2)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 13.4?
	<i>See attached</i>	<i>body builder</i>	Yes / No
Hydraulic Cylinder Warranty (body)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 13.4?
	<i>See attached</i>	<i>body builder</i>	Yes / No
Back-Up Vision System Warranty (paragraph 10.8)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 13.4?
	<i>see attached</i>	<i>body builder</i>	Yes / No

Other Information

Packer Performance	Clear Hopper Cycle Time <small>(paragraph 7.3)</small>	Load Sequence Cycle Time <small>(paragraph 8.7)</small>	Compaction <small>(paragraph 7.4)</small>
	<i>see attached</i>		

Exterior Finish <small>(paragraph 10.6)</small>	Describe painting or coating system for the exterior surfaces of the body.
	<i>see attached</i>

Finished Overall Height <small>(paragraph 10.9)</small>	Measured height from the ground to the highest point of finished unit.	The LTUCG Division of Waste Management will have final approval of finished vehicle height. Stated heights in excess of thirteen feet (13') may be cause for rejection. Any unit whose measured height upon delivery exceeds that stated herein will not be accepted.
	<i>see attached</i>	

EXCEPTION PAGE

Paragraph Number	Description of Exception

Warranty Description

Basic Vehicle Warranty (cab & chassis)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 13.4?
	<i>1 year 100,000</i>	<i>Peterbilt</i>	<input checked="" type="radio"/> Yes / No
Basic Warranty (body)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 13.4?
	<i>see attached</i>	<i>body builder</i>	Yes / No
Engine Warranty (paragraph 2.2)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 13.4?
	<i>5 year 150,000</i>	<i>Commins</i>	<input checked="" type="radio"/> Yes / No
Transmission Warranty (paragraph 2.11)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 13.4?
	<i>5 years</i>	<i>Allison</i>	<input checked="" type="radio"/> Yes / No
Exterior Finish Warranty (body)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 13.4?
	<i>body builder</i>	<i>see attached</i>	Yes / No
Hydraulic Pump Warranty (paragraph 9.2)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 13.4?
	<i>body builder</i>	<i>see attached</i>	Yes / No
Hydraulic Cylinder Warranty (body)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 13.4?
	<i>body builder</i>	<i>see attached</i>	Yes / No
Back-Up Vision System Warranty (paragraph 10.8)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 13.4?
	<i>body builder</i>	<i>see attached</i>	Yes / No

Other Information

	Clear Hopper Cycle Time (paragraph 7.5)	Load Sequence Cycle Time (paragraph 8.7)	Compaction (paragraph 7.4)
Packer Performance	<i>see attached</i>		

	Describe painting or coating system for the exterior surfaces of the body.
Exterior Finish (paragraph 10.6)	<i>see attached</i>

	Measured height from the ground to the highest point of finished unit.	The LFUCG Division of Waste Management will have final approval of finished vehicle height. Stated heights in excess of thirteen feet (13') may be cause for rejection. Any unit whose measured height upon delivery exceeds that stated herein will not be accepted.
Finished Overall Height (paragraph 10.9)	<i>see attached</i>	

**RISK MANAGEMENT PROVISIONS
INSURANCE AND INDEMNIFICATION**

INDEMNIFICATION AND HOLD HARMLESS PROVISION

- (1) It is understood and agreed by the parties that Vendor hereby assumes the entire responsibility and liability for any and all damages to persons or property caused by or resulting from or arising out of any act or omission on the part of Vendor or its employees, agents, servants, owners, principals, licensees, assigns or subcontractors of any tier (hereinafter "Vendor") under or in connection with this agreement and/or the provision of goods or services and the performance or failure to perform any work required thereby.
- (2) Vendor shall indemnify, save, hold harmless and defend the Lexington-Fayette Urban County Government and its elected and appointed officials, employees, agents, volunteers, and successors in interest (hereinafter "LFUCG") from and against all liability, damages, and losses, including but not limited to, demands, claims, obligations, causes of action, judgments, penalties, fines, liens, costs, expenses, interest, defense costs and reasonable attorney's fees that are in any way incidental to or connected with, or that arise or are alleged to have arisen, directly or indirectly, from or by Vendor's performance or breach of the agreement and/or the provision of goods or services provided that: (a) it is attributable to personal injury, bodily injury, sickness, or death, or to injury to or destruction of property (including the loss of use resulting therefrom), or to or from the negligent acts, errors or omissions or willful misconduct of the Vendor; and (b) not caused solely by the active negligence or willful misconduct of LFUCG.
- (3) In the event LFUCG is alleged to be liable based upon the above, Vendor shall defend such allegations and shall bear all costs, fees and expenses of such defense, including but not limited to, all reasonable attorneys' fees and expenses, court costs, and expert witness fees and expenses, using attorneys approved in writing by LFUCG, which approval shall not be unreasonably withheld.
- (4) These provisions shall in no way be limited by any financial responsibility or insurance requirements, and shall survive the termination of this agreement.
- (5) LFUCG is a political subdivision of the Commonwealth of Kentucky. Vendor acknowledges and agrees that LFUCG is unable to provide indemnity or otherwise save, hold harmless, or defend the Vendor in any manner.

FINANCIAL RESPONSIBILITY

Vendor understands and agrees that it shall demonstrate the ability to assure compliance with these provisions prior to final acceptance of its bid and the commencement of any work or the provision of any goods.

INSURANCE REQUIREMENTS

YOUR ATTENTION IS DIRECTED TO THE INSURANCE REQUIREMENTS BELOW. YOU MAY NEED TO CONFER WITH YOUR INSURANCE AGENTS, BROKERS, OR CARRIERS TO DETERMINE IN ADVANCE OF SUBMISSION OF A RESPONSE THE AVAILABILITY OF THE INSURANCE COVERAGES AND ENDORSEMENTS REQUIRED HEREIN. IF YOU FAIL TO COMPLY WITH THE INSURANCE REQUIREMENTS BELOW OR THE INDEMNITY REQUIREMENTS, YOU MAY BE DISQUALIFIED FROM AWARD OF THE CONTRACT.

Required Insurance Coverage

Vendor shall procure and maintain for the duration of this contract the following or equivalent insurance policies at no less than the limits shown below and cause its subcontractors to maintain similar insurance with limits acceptable to LFUCG in order to protect LFUCG against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work or provision of goods hereunder by Vendor. The cost of such insurance shall be included in any bid:

<u>Coverage</u>	<u>Limits</u>
General Liability (Insurance Services Office Form CG 00 01)	\$1 million per occurrence, \$2 million aggregate or \$2 million combined single limit
Commercial Automobile Liability (Insurance Services Office Form CA 0001)	combined single limit, \$1 million per occurrence
Worker's Compensation	Statutory
Employer's Liability	\$500,000

The policies above shall contain the following conditions:

- a. All Certificates of Insurance forms used by the insurance carrier shall be properly filed and approved by the Department of Insurance for the Commonwealth of Kentucky. LFUCG shall be named as an additional insured in the General Liability Policy and Commercial Automobile Liability Policy using the Kentucky DOI approved forms.
- b. The General Liability Policy shall be primary to any insurance or self-insurance retained by LFUCG.
- c. The General Liability Policy shall include Products Liability coverage unless it is deemed not to apply by LFUCG.
- d. The Policy shall include Umbrella/Excess Liability coverage in the amount of \$5 million per occurrence, \$5 million aggregate, unless it is deemed not to apply by LFUCG.
- e. LFUCG shall be provided at least 30 days advance written notice via certified mail, return receipt requested, in the event any of the required policies are canceled or non-renewed.
- f. Said coverage shall be written by insurers acceptable to LFUCG and shall be in a form acceptable to LFUCG. Insurance placed with insurers with a rating classification of no less than Excellent (A or A-) and a financial size category of no less than VIII, as defined by the most current Best's Key Rating Guide shall be deemed automatically acceptable.

Renewals

After insurance has been approved by LFUCG, evidence of renewal of an expiring policy must be submitted to LFUCG, and may be submitted on a manually signed renewal endorsement form. If the policy or carrier has changed, however, new evidence of coverage must be submitted in accordance with these Insurance Requirements.

Deductibles and Self-Insured Programs

IF YOU INTEND TO SUBMIT A SELF-INSURANCE PLAN IT MUST BE FORWARDED TO LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT, DIVISION OF RISK MANAGEMENT, 200 EAST MAIN STREET, LEXINGTON, KENTUCKY 40507 NO LATER THAN A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO THE RESPONSE DATE. Self-insurance programs, deductibles, and self-insured retentions in insurance policies are subject to separate approval by Lexington-Fayette Urban County Government's Division of Risk Management, upon review of evidence of Vendor's financial capacity to respond to claims. Any such programs or retentions must provide LFUCG with at least the same protection from liability and defense of suits as would be afforded by first-dollar insurance coverage.

Verification of Coverage

Vendor agrees to furnish LFUCG with all applicable Certificates of Insurance signed by a person authorized by the insurer to bind coverage on its behalf prior to final award, and if requested, shall provide LFUCG copies of all insurance policies, including all endorsements.

Right to Review, Audit and Inspect

Vendor understands and agrees that LFUCG may review, audit and inspect any and all of its records and operations to insure compliance with these Insurance Requirements.

DEFAULT

Vendor understands and agrees that the failure to comply with any of these risk management provisions shall constitute a default and that LFUCG may elect at its option any single remedy or penalty or any combination of remedies and penalties, as available, including but not limited to purchasing insurance and charging Vendor for any such insurance premiums purchased, or suspending or terminating the contract or work.

00518603



Peterbilt of Louisville P615
4415 Hamburg Pike

Lexington Fayette County
200 East Main Street

Jeffersonville, Indiana United States 47131
Phone: (812) 288-8007
Fax:
Email:

Lexington, Kentucky United States 40507
Phone: (502) 962-9527
Fax:
Contact Email:
Prepared for: Dave Toombs

Vehicle Summary

Unit		Chassis	
Model:	Model 320	Fr Axle Load (lbs):	20000
Type:	Full Truck	Rr Axle Load (lbs)	46000
Description:	lex jjan1	G.C.W. (lbs):	80000
Application		Road Conditions:	
Intended Serv.:	Refuse/On-Highway	Class A (Highway)	100
Commodity:	Refuse, Scrap	Class B (Hwy/Mtn)	0
Body		Class C (Off-Hwy)	0
Type:	Rear Loader	Class D (Off-Road)	0
Length (ft):	24	Maximum Grade:	6
Height (ft):	13.5	Wheelbase (in):	214
Max Laden Weight (lbs):	1000	Overhang (in):	57
Trailer		Fr Axle to BOC (in):	0.1
No. of Trailer Axles:	0	Cab to Axle (in):	213.9
Type:		Cab to EOF (in):	270.9
Length (ft):	0	Overall Comb. Length (in):	329
Height (ft):	0.0	Special Req.	
Kingpin Inset (in):	0	United States Registry	
Corner Radius (in):	0		
Restrictions			
Length (ft):	40		
Width (in):	102		
Height (ft):	13.5		

Approved by: *Beck* Date: *2-10-16*

Note: All sales are F.O.B. designated plant of manufacture.

	Ask your dealer for a quote today, or visit our website @ www.paccarfinancial.com .
	PACCAR Financial offers innovative finance, lease and insurance programs customized to meet your needs.

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Peterbilt of Louisville P615
4415 Hamburg Pike

Lexington Fayette County
200 East Main Street

Jeffersonville, Indiana United States 47131
Phone: (812) 288-8007
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Prepared for: Dave Toombs

Data	Code	Description	\$ List	Weight
Base Model				
0003201	O	Model 320	179,652	16,060
0091180	O	Refuse, Scrap	0	0
0093035	O	Refuse/On-Highway Truck or tractor which hauls refuse, recycled material, etc. Includes roll-on/roll-off container movement, as well as hauling refuse from transfer stations to, but not into, landfills.	0	0
0095110	O	Rear Loader	0	0
0098170	O	United States Registry	0	0
Configuration				
0200700	O	Not Applicable Secondary Manufacturer	0	0
Frame & Equipment				
0514160	O	10-3/4in Steel Rails 306-342in 10.75x3.5x.375 Dimension, 2,136,000 RBM; Yield Strength: 120,000 psi. Section Modulus: 17.8 cubic inches. Weight: 1.74 lbs/inch pair	155	163
0601500	O	Full Steel Inner Liner	708	661
0620160	O	FEPTO Provision 4-7/8in Bumper Extension Includes 1350 Series Front Drive PTO Attachment Provision, Radiator with PTO Cut-Out in Grille, Radiator Protection Sleeve, and Bumper Extension	757	45
0644090	S	EOF Square without Xmbr For use with body builder installed crossmember.	0	0
0651090	S	Omit Rear Mudflaps and Hangers	0	0
0713130	O	(2) Solid Mount Cable Hooks	-15	0
Front Axle & Equipment				
1011360	S	Dana Spicer D2000F 20,000 lb, 3.5in Drop Factory front axle alignment to improve handling & reduce tire wear. Zerk fittings on tie rod ends, king pins, & draglink ball joints for ease of maintenance & help extend service life of components. Cognis EMGARD® FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the stress from high temperatures, extending component life.	0	0

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1114040	O	Taper Leaf Springs, Shocks 23,000 lb Standard with Heavy Resistance Shocks.	427	410
1243020	S	Power Steering Sheppard SD110 Dual For use with 22,000 lb. axle ratings. Glidekote splines on steering shaft extend service life of components.	0	40
1354850	S	PHP10 Iron PreSet PLUS Hubs-Air Disc	0	0
1354870	S	Severe Service Disc Brake Rotor For refuse applications	0	59
1380230	S	5in Drop IPO 3.5in, Front Axle	0	0
1380240	O	Dana Spicer Wide Track IPO Std, Front Axle 71in KPI IPO 69in for E1202, E1322, E1462, D2000F front axles. For improved turning radius.	55	5
1380290	S	Air Disc Front Brakes Complies with reduced stopping distance regulations.	0	0

Rear Axle & Equipment

1526120	O	Meritor RT46-160 46,000 lb Interaxle diff lock air rocker occupies space of one gauge. Laser factory axle alignment to improve handling & reduce tire wear. Magnetic rear axle oil drain plug captures & holds any metal fragments in drive axle lube to extend service life. Parking brakes on all drive axles for optimal performance. Cognis EMGARD® FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the stress from high temperatures, extending component life.	-276	-15
1616300	S	PHP10 Iron PreSet PLUS Hubs	0	0
1616310	S	Severe Service Disc Brake Rotor For Refuse Applications	0	14
1632650	S	Long Stroke Parking Brakes, Drive Axle(s)	0	0
1680460	O	Heavy Wall, Drive Axle(s)	588	88
1680480	O	Wide Track, Single & Tandem Drive Axle(s) Rear width may exceed 102 inches. Verify operating restrictions and body installation.	1,177	29
1680500	S	SBM Valve Full trucks require a spring brake modulation (SBM) system for emergency braking application. This system requires an SBM valve and a relay valve with spring brakes on the rear axles. The SBM valve allows the foot valve to operate the rear axle spring brakes if a failure exists in the rear air system.	0	0
1682430	S	Anti-Lock Braking System (ABS) 4S4M ABS-6. Includes air braking system.	0	0

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1684200	S	Synthetic Axle Lubricant All Axles Peterbilt heavy duty models include Fuel Efficient Cognis EMGARD FE75W-90 which provides customers performance advantages over current synthetic lubricants with reduced gear wear and extended maintenance intervals, resulting in increased uptime. In addition, the lubricant provides improved fluid flow to protect gears in extreme cold conditions and withstand the stress from high temperatures, extending component life.	0	0
1687040	S	Air Disc Rear Brakes, Tandem Drive Axle Inc automatic slack adjusters.	0	0
1706140	O	Ratio 6.14 Rear Axle	0	0
1824240	O	Hendrickson Haulmax HMX460 46,000 lb, 54in Axle Spacing, 60K Creep Rating	943	-15

Engine & Equipment

2057434	O	ISX12-G 330R@2100 GOV@2100 1250@1200 Refuse Rating (2013 Emissions) N21320 N205 120..Standard Maximum Speed Limit [LSL] N21330 N207 0....Expiration Distance N21340 P112 120..Hard Maximum Speed Limit N21350 P001 64...Maximum Accelerator Pedal Vehicle Speed N21360 P110 0....Accelerator Lower Droop N21370 P059 64...Maximum Cruise Speed N21380 P111 0....Cruise Control Lower Droop N21400 N203 252..Reserve Speed Function Reset Distance N21410 N202 0....Maximum Cycle Distance N21420 N206 0....Maximum Active Distance N21430 N201 0....Reserve Speed Limit Offset N21440 P015 Yes..Engine Protection Shutdown N21450 P026 No...Gear Down Protection N21460 P046 1400.Max PTO Speed N21470 P062 No...Cruise Control Auto Resume N21480 P068 No...Auto Engine Brake in Cruise N21500 N209 0....Expiration Distance N21510 P520 Yes..Enable Idle Shutdown Park Brake Set N21520 P030 5....Timer Setting N21530 P233 Yes..Enable Impending Shutdown Warning N21540 P234 60...Timer For Impending Shutdown Warning N21550 P516 35...Engine Load Threshold N21570 P031 No...Idle Shutdown Manual Overrule N21590 P230 Yes..Enable Hot Ambient Automatic Overrule N21610 P172 40...Low Ambient Temperature Threshold N21620 P173 60...Intermediate Ambient Temperature Threshold N21630 P171 80...High Ambient Temperature Threshold	36,622	1,065
2091310	O	Engine Idle Shutdown Timer Disabled	0	0
2091315	O	Enable EIST Ambient Temp Overrule	0	0
2091372	O	Eff EIST NA Expiration Miles	0	0
2091640	O	Effective VSL Setting NA	0	0

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Data	Code	Description	\$ List	Weight
2140220	O	CARB Engine Idling Compliance DECLINED By Dealer/Customer	0	0
2513060	S	PACCAR 160 Amp Alternator, Brushed	0	0
2521090	O	Immersion Type Block Heater 110-120V Standard location is center left hand under cab and includes a weather-proof cover that protects the receptacle. This pre-heater keeps the coolant in the engine block from freezing when the engine is not running.	74	2
2522050	S	PACCAR 12V Starter	0	0
2538070	O	3 PACCAR AGM 12V Batteries 2400 CCA Stranded copper battery cables are double aught (00) or larger to reduce resistance.	273	0
2539220	O	Battery Jumper Terminals Mtd In Front Of Battery Box	192	4
2539740	O	Kissling Battery Disconnect Switch Mounted on battery box	237	3
2621000	S	2-Speed Fan Clutch For Frequent Start/Stops	0	0
2723210	S	18.7 CFM Air Compressor Furnished on engine. Teflon lined stainless steel braided compressor discharge line.	0	0
2814180	O	Omit Engine Brake - ISX12	-592	-77
2925920	O	Spin-On Fuel Filter, Natural Gas Supplied with engine	0	0
3010400	O	Engine Protection Shutdown Includes oil pressure, oil temperature, coolant temperature, and intake manifold temperature.	10	0
3114270	S	High Efficiency Cooling System Cooling module is a combination of steel and aluminum components, with aluminum connections to maximize performance and cooling capability. Silicone radiator & heater hoses enhance value, durability, & reliability. Constant tension band clamps reduce leaks. ClimaTech extended life coolant extends maintenance intervals which reduces maintenance costs. Anti-freeze effective to -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant condition to prevent engine damage. Radiator Size by Model: 587: 1330 sq in, 579/367 FEPTO 1325 sq in, 567/365/367: 1440 sq in, 384/386: 1301 sq in, 365 FEPTO: 1184 sq in, 389/367 HH: 1669 sq in, 348: 1000 sq in, 320: 1242 sq in.	0	0
3120450	S	Stainless Steel Grille	0	0
3261980	S	Heavy Duty Air Cleaner Molded rubber air intake connections with lined stainless steel clamps seal to prevent contaminants in air intake.	0	0
3366640	O	Exhaust Single LH Vertical ISL-G or ISX12-G Only. Includes Single Exhaust Guard Stainless Steel	-3,297	0
3387650	O	Single 36in Standpipe	0	0

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Transmission & Equipment				
4052420	O	Allison 4500 RDS-P Transmission, Gen 5 Rugged Duty Series. Includes Rear Transmission Support, TranSynd Transmission Fluid, and Water Oil Heat Exchange. Also includes features that monitor the transmission fluid, filter and clutch condition. Will display percent life remaining for the transmission fluid, filter and clutches on the shift selector. This information may be displayed using the Mode and Up and Down buttons. A wrench icon will also be included to indicate when the transmission fluid, filter or clutches need servicing. (Suited for vehicles operating on/off highway and/or requiring PTO operation) Forward Ratios: 1st-4.70, 2nd-2.21, 3rd-1.53, 4th-1.00, 5th-0.76, 6th-0.67 / Reverse Ratios: DR-(5.55)	16,415	365
4210080	O	1710 HD Driveline, 1 Midship Bearing	-107	20
4233030	O	(1) Dash Mounted Single Acting Air PTO Control Standard with PTO engaged indicator light on Class 8 units. Occupies the space of one gauge.	83	0
4250720	O	Allison FuelSense Not Desired	0	0
4256020	S	Console Mounted Push Button Shifter Allison transmissions	0	0
4256740	O	Allison 6-Speed Configuration, Wide Ratio Gears Allison 4500 Transmission Only	0	0
4256780	O	Allison PTO Enable on Mode Button The PTO function C can be either on a remote wire, or mode button. It depends on the selected input/output package. This function is enabled with the MODE button. Enabling the function alerts the TCM that PTO operation has been requested by the operator. When the function is enabled and all of the required operating conditions exist, the TCM activates Output G: PTO Enable by switching power to wire 130. When this function is enabled, the TCM disables the variable modulated main pressure feature in the transmission, resulting in transmission operation at full main pressure. Required operating conditions for enabling this function are: throttle position is low, engine speed is within Customer Modifiable Constant limits, output speed is within Customer Modifiable Constant limits	0	0
4256870	O	Allison Output Function S Neutral Indicator For PTO. Required on Refuse Packer Applications. With this configuration NEUTRAL only, PTO engagement is permitted only when the transmission is in Neutral. Once the transmission is in Neutral, the PTO is automatically engaged and fast idle is initiated when the PTO switch is switched On. Also, with this configuration Pack-on-the-fly, the PTO is automatically engaged and fast idle is initiated when the PTO switch is On concurrently with shifting of the transmission to Neutral.	0	0

Air & Trailer Equipment

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4510760	S	Bendix AD-IS EP Air Dryer with Heater Extended Purge (for use with higher air consumption applications). An integrated system air dryer that incorporates the functions of the air dryer, purge reservoir (which increases the drying capacity), wet air tank, pressure relief valve, single check valves, and pressure protection valve for air susp and other air accessories. Includes easy-to-service spin-on dessicant cartridge.	0	0
4520420	O	Berg Pull Cord Drain Valve(s) - All Air Tanks	9	0
4540220	O	Wire Braid Brake Hose, Rear	75	15
4540420	S	Nylon Chassis Hose	0	0
4541600	O	Wire Braid Brake Hose, Front	18	4
4543340	O	Aluminum Painted Air Tanks All air tanks are aluminum with painted finish except when Code 4543330 Polish Aluminum Air Tanks is also selected (then exposed air tanks outside the frame rails will be polished aluminum). Peterbilt will determine the optimal size and location of required air tanks. Narratives requesting a specific air tank size or location will not be accepted for factory installation. See ECAT to determine number or location of air tanks installed.	292	-45
4543430	O	Clear Outside Frame of All Air System Components LH BOC	327	0
4543440	O	Clear Outside Frame of All Air System Components RH BOC	327	0

Tires & Wheels

5058520	O	FF: MN 20ply 425/65R22.5 XZY3 Diameter = 44.7 inches; SLR = 20.6 inches. Compares to Goodyear G288 MSA and Bridgestone M850 tread.	605	92
5132590	O	RR: GY 16ply 12R22.5 G182 RSD Diameter = 43.4 inches; SLR = 20.4 inches	5,316	288
5190008	O	Code-rear Tire Qty 08	0	0
5210580	O	FF: Accur Stl Armor 29807PK 22.5X12.25 PHP10-5 hand holes	672	76
5311560	U	code should be 5310560 for RR-ACC STL A RMOR 29300RK 22.5X9.00	1,228	0
5390008	O	Code-rear Rim Qty 08	0	0
5410280	O	Accuride Black Wheels IPO White	0	0

Fuel Tanks

5532010	O	No Fuel Tank/Fuel System Provided, CNG Only	-404	0
5604000	O	Location LH BOC 000 Gal	0	0
5653080	O	CNG Body Mounted Cabinet Only	0	0

Battery Box & Bumper

6010460	O	Aluminum Space Saver Battery Box LH Back Of Cab	-29	-11
6121700	S	Steel Bumper Channel Painted Includes two front tow eyes with pins.	0	0

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Cab & Equipment				
6501080	S	53in LCF ProBilt Cab LH Drive Includes steel frames with alum and fiberglass panels, all alum doors, dual door stops, door locks, tinted safety glass thru-out, cab and door mounted entry grab handles, 65 degree hydraulic tilt, stainless steel grille, dual rear cab fenders, service module BOC (cab tilt pump, oil fill and dipstick, coolant fill and check, fluid fill and dipstick for auto trans), door mounted armrests, power windows, full insulation, rubber floor mats, ergonomic center control console, removable instrument panel, Driver Information Display, LED backlit gauges, pull down windshield sunshade, 16in steering wheel with integrated horn button, tilt/telescopic adjustable column, over-door storage, driver and passenger side cup holders, USB charging port and 12VDC charging outlet, header includes HVAC controls and 12V power connection behind header cover, rear cab corner windows, 18in bolt-on step each side, self-canceling turn signals and front directional and side mounted turn signals	0	0
6800500	S	4.5 Inch Rubber Flares on Cab and Wheel Well Fenders	0	0
6914130	O	Sears C2 Driver Seat	209	0
6921720	S	Peterbilt Passenger Seat	0	0
6931120	O	Seat Belt Color Orange IPO Standard Black	10	0
6939400	O	Air Ride Driver	237	0
6939430	O	Mid Back Driver	76	0
6939460	O	Fabric Driver	42	0
6939510	S	Non-Air Ride Passenger	0	0
6939520	O	High Back Passenger	33	0
6939570	S	Vinyl Passenger	0	0
7000000	S	Gray Interior Color Includes ABS gray headliner & rear cab panel, gray vinyl engine tunnel cover.	0	0
7001520	S	Adjustable Steering Column - Tilt/Telescope	0	0
7001620	S	Steering Wheel with Peterbilt Logo Steering Wheel with embossed Peterbilt logo over horn button.	0	0
7040020	O	Diamond Plate Floor Covering on Driver side floor in place of Rubber Mat. In Dual Steer application RH Diamond Plate covering is standard. Single drive applications the Diamond Plate is optional.	35	6
7220130	S	Rear Window Back of Cab Standard Tint 18.5in X 54in	0	0
7230350	S	Two Piece Flat Windshield	0	0
7310010	S	Fresh Air Heater with integral windshield defroster and central controls.	0	0

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7323040	O	Red Dot Ceiling Mounted Air Conditioner with module mounted condensor.	2,512	48
7330920	O	(2) Defroster Fan On Rear Header	233	0
7561260	S	Black LH/RH Tri-plane Mirrors, Heated, Motorized, Mounted to Doors. Features: Heated on All Three Surfaces, Upper/Lower Mirrosr are Convex and Middle is a Flat Pane Motorized Mirror. Right Click on Option and Select Picture to See a Picture of the Mirror.	0	0
7610020	S	(1) Air Horn 15in Painted Mounted under cab.	0	0
7725725	O	ConcertClass w/CD, Bluetooth Phone and Audio Includes AM/FM, WB, USB and MP3.	495	10
7725740	O	Midlevel Speaker Package For Cab (4) Speakers	130	6
7726010	O	Radio Mute when Allison Transmission in reverse - requires option 8140690 for M320 only.	295	0
7851330	O	Cab Tilt Pump Air Assist	170	0
7851480	S	Peterbilt Electric Windshield Wipers With Intermittent Feature.	0	0
7851870	O	Rain Gutters Over Driver and Passenger Doors	74	8
7900090	O	Triangle Reflector Kit Shipped Loose	20	13
7901140	O	Backup Alarm (87-107 Decibels) Self Adjusting	49	6
8011395	O	Engine Oil Temperature Gauge Located in Driver Information Display	34	0
8011400	S	Main Transmission Oil Temperature Gauge Located in Driver Information Display	0	0
8021380	S	Air Restriction Indicator Mounted on air cleaner or intake piping.	0	0
8031120	O	Warning Light Battery Disconnect, Switch Engaged (Marker light) external mounted.	10	0
8070010	O	Up To (4) Additional Electric Switches Without wiring	58	1
8071285	O	Suspension Pressure Gauge Located in Driver Information Display	34	0
8110800	S	Headlights Dual Rectangular Halogen	0	0
8120550	O	(5) Light Guards On Marker Lights	21	2
8120570	S	(5) LED Clearance With (2) LED Marker Lights Includes (5) lights mounted on roof of cab and (1) cab side marker light mounted in front of each cab door.	0	0
8133470	O	Switch And Wiring For F/O Beacon/Strobe 10ft coiled wire BOC/BOS at rear sill.	60	2

Unpublished options may require review/approval.

Dimensional and performance data for unpublished options may vary from that displayed in PROSPECTOR.

Printed:	2/8/2016 11:13:13 AM	Complete	Model Number:	Model 320
Effective Date:	Jan 1, 2016		Quote/DTPO/CO:	Q71261003
Prepared by:	Administrator		Version Number:	32.11



Data	Code	Description	\$ List	Weight
8133900	S	None Furnished Stop/Tail/Backup Lights Available with Full Truck only. Not available with Tractor.	0	0
8133960	O	Daytime Running Lights (Required on Canadian units)	76	0
8140690	O	Brake Lights Activated by Park Brake Requires Option 7726010	82	0
8153100	O	(1) F/O Load Light, Switch & 10ft Wire Coil Under / in cab / sleeper	33	2
Paint				
8530770	O	(1) Color Axalta Two Stage - Cab/Hood Base Coat/Clear Coat N85020 A - 44426EB BRIGHT BLUE N85500 CAB ROOF 44426EB BRIGHT BLUE N85200 FRAME N0001EA BLACK N85700 BUMPER N0001EA BLACK	142	0
8531320	O	Axalta Two Stage Effect - Metallic/Pearl Cab/Hood & Sleeper Only	431	0
Options Not Subject To Discount				
9400096	O	Severe Service Warranty	0	0
9402053	O	Chassis to Receive Extended Warranty 1 Year Base Vehicle Towing - US	150	0
9404506	O	Cummins ISX12-G Protection Plan 1 (5/150) Five Years/150,000 Miles/241,401 Kilometers	2,950	0
Miscellaneous				
9409960	O	Presentation Created Using Featured Spec For Model	0	0

Total Adjusted Price (W/O Freight & Warranty & Surcharges)	\$248,268
Freight Charge	\$2,825
Options Not Subject to Discount	\$2,950
Surcharges Not subject to Discount	\$0
Total Weight	19449

Prices and Specifications Subject to Change Without Notice.

Unpublished options may require review/approval.
Dimensional and performance data for unpublished options may vary from that displayed in PROSPECTOR.

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Effective Date:	Jan 1, 2016		Quote/DTPO/CO:	Q71261003
Prepared by:	Administrator		Version Number:	32.11

PHONE: 502-584-3524

FAX: 502-584-7067

J. EDINGER & SON, INC.
1010 STORY AVENUE
LOUISVILLE, KY 40206
EST. 1867

February 1, 2016

Bill Hite
Peterbilt of Louisville
Billite@FLGTrucks.com
RE: Lexington Fayette Urban Co Govt
BID 9-2016 CNG Rear loaders

Bill,


Our bid price for the 31 yard G-400 EZ pack rear loaders with CNG package and related equipment (see quotation item #1) is \$142,306.00 per unit exclusive of any taxes. The cost is FOB Cynthiana. The delivery is approximately 90 to 100 days after receipt of chassis. The terms are a maximum 15 days after the factory installation is completed.

The chassis dealer is responsible for the methane detector, safety triangle kit and supplying a suitable chassis with proper CT dimension and clear frame to facilitate mounting without additional time and costs for factory installation. A detailed frame layout should be supplied to E-Z Pack if an order is placed.

Also included in this quotation is a detailed description of the powder coat process (Item 2), the bid package exception page, warranty statements and other information on pages 11 – 13 (item #3) and E-Z Packs minimum bid specifications for the 31 yard G400 rear loader (item #4)

Earlier you received a thirty one page color brochure detailed bid response via UPS that should also be included in your proposal. On page sixteen is the factory warranty statement. Please note that the body and cylinders are warrantied for 12 months, the pump 24 months and the provision 60 months

Thank you for the opportunity to quote. We hope we may be favored by your order



Charlie Edinger

Item #1



EZ PACK REFUSE HAULING
 200 Ladish Road - Cynthiana, KY
 Phone: (859) 234-1100 Fax: (859) 234-1101

QUOTATION # 101

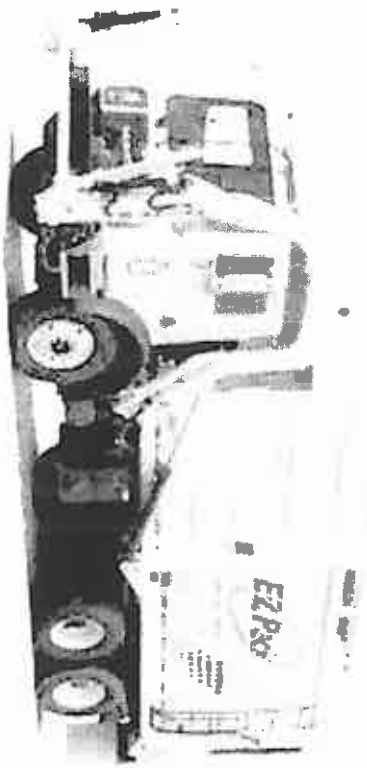
DATE: _____

Attn:	Charlie Edinger
Company:	J Edinger & Son Inc
End User:	City of Lexington

Qty	8	Model	G400 Rear Loader	Capacity	31 yds
<input checked="" type="checkbox"/> Including All Standard Equipment and					
<input checked="" type="checkbox"/> 75 DGE Front of Body CNG Fuel System, with Front Bumper Fill and Transit Fill					
<input checked="" type="checkbox"/> Dual Bayne TL1116 Cart Tippers					
<input checked="" type="checkbox"/> Muncie M1 S-M Hydraulic Pump, Front Mounted					
<input checked="" type="checkbox"/> Side Access Door					
<input checked="" type="checkbox"/> Ladder for Side Door					
<input checked="" type="checkbox"/> Side Door Interlock					
<input checked="" type="checkbox"/> Frame Mounted Hydraulic Tank					
<input checked="" type="checkbox"/> Tool Box, 24" x 24" x 36", Stainless Steel					
<input checked="" type="checkbox"/> 20# Fire Extinguisher and Bracket					
<input checked="" type="checkbox"/> Fender Guard, Front of Body					
<input checked="" type="checkbox"/> Dual Hopper Flood Lights					
<input checked="" type="checkbox"/> 2) Peterson Smart Strobes on Upper Tailgate					
<input checked="" type="checkbox"/> 2) Peterson Smart Strobes on Front of Body					
<input checked="" type="checkbox"/> Light for Ejector Panel					
<input checked="" type="checkbox"/> Precision Backup Camera and Monitor					
<input checked="" type="checkbox"/> Warranty-Body 12 MONTHS		<input checked="" type="checkbox"/> Warranty-Cyl		12 MONTHS	
<input checked="" type="checkbox"/> Paint Pack		<input checked="" type="checkbox"/> Standard Powder Coat Paint		SILVER	
<input checked="" type="checkbox"/> Panel & TG Lift Cylinders		<input checked="" type="checkbox"/> Factory Mount			

Install graphics supplied by Fleet Services

Item #2:



E-Z Pack Refuse Hauling Solutions, LLC

Powder Coat Coating Process Specifications

E-Z Pack

The following specifications is required in order to obtain minimum characteristics of a long durable coating system with excellent adhesion, color fastness, solid hiding and abrasive resistance.

Major assemblies such as packer blades, tailgates, arms and forks in order to promote consistent paint coverage and long term rust and corrosion prevention, shall be coated separately and assembled after finish coating has fully cured

EZ Pack



All components will be cleaned, deburred, weld spatter and slag removed.

EZ Pack

All components must be high pressure washed above 1,500 PSI with a heated solution process that will remove all oil and dirt residues.

Then a phosphatized, rinsed, and sealed with a non-chromated environmentally safe compound.

Wash – dual proposed detergent/iron phosphating compound to prepare for maximum paint performance.

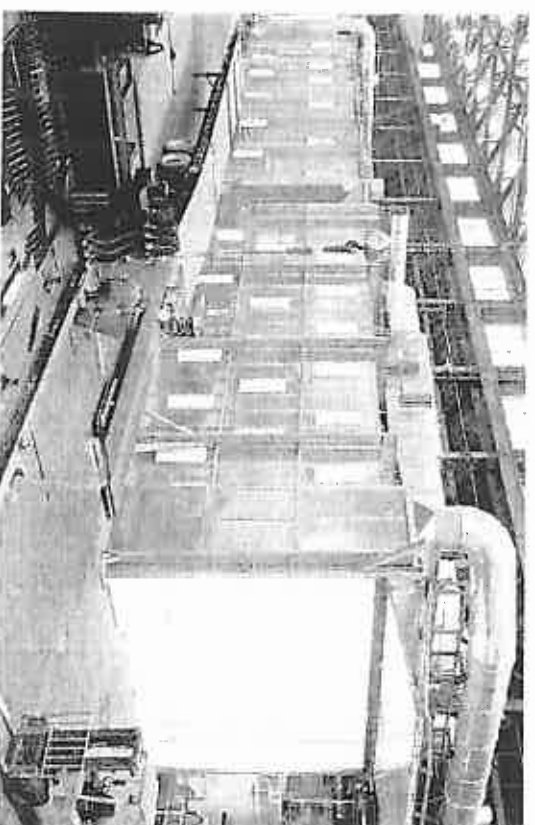
Rinse – A final rinse treatment must include passivating agents specifically formulated to enhance corrosion resistance and provide uniform surface conditioning that is highly receptive to paint adhesion.

Immediately following the final rinse, the product shall be moved into an environmentally controlled room and elevated to approx. 200 degrees F in order to thoroughly dry all parts and components quickly, and to control humidity and timing, so that surfaces will remain in ultimate condition for applying coatings

While maintaining elevated temperatures and controlled environment, in order to promote initial and inter-coat adhesion, thermoset powder primer and high gloss thermoset powder top coat will be applied electro-statically.

After component is powder coat treated, the temperature is to be elevated to curing temperature of approx. 325 degrees Fahrenheit until fully cured.

Dry Film Thickness – Primer and Top Coat Finish coat to be minimum of 4-6 mill coverage.



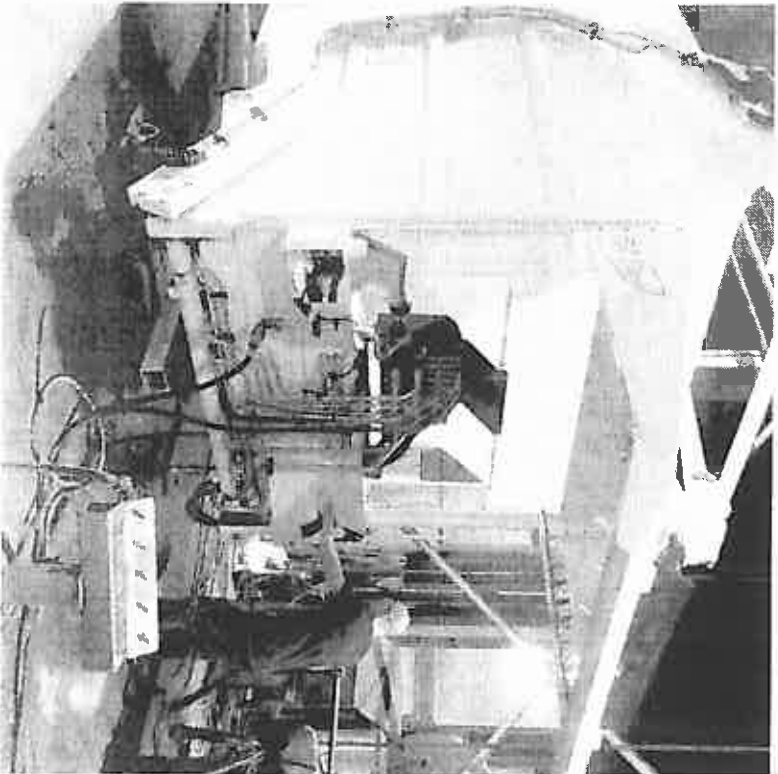
EZ Pack

Minimum Salt Spray Test – 1250 Hours

UV Test – Coating must meet of minimum of 2000 hours with minimum loss of gloss and color shift.

Certified by independent laboratory must be available verifying successful testing to this level.

EZ Pack



After components are fully cured, they will be assembled with hydraulics, electrical system, and all other components.

After assembly and before chassis mounting the unit will be tested, adjusted and made ready for chassis body mount.

Hydraulic Cylinders and Valves to be painted black, semi-gloss.

Hydraulic Hoses ends and fittings to be anodized plated and remain un-painted.

Hydraulic Steel Tubing to be Zinc Dichromate Plated and remain un-painted.

Electrical Harness, connections, switches and pneumatic tubing and fitting to be weather proof and remain un-painted.

EZ Pack

Item #3

EXCEPTION PAGE

Item #	Description	Exception
		No Exceptions – Comply to all body specifications

Warranty Description

<p>24-Hour Service Warranty (24-hour)</p>	<p>Length of Warranty Period 1 year</p>	<p>Warranty Provided By E-Z Pack</p>
<p>Basic Warranty (3-year)</p>	<p>Length of Warranty Period 1 year</p>	<p>Warranty Provided By E-Z Pack</p>
<p>Original Warranty (3-year)</p>	<p>Length of Warranty Period 1 year</p>	<p>Warranty Provided By E-Z Pack</p>
<p>Commercial Warranty (3-year)</p>	<p>Length of Warranty Period 1 year</p>	<p>Warranty Provided By E-Z Pack</p>
<p>4-Stroke Engine Warranty (3-year)</p>	<p>Length of Warranty Period 1 year</p>	<p>Warranty Provided By E-Z Pack</p>
<p>24-Hour Pump Warranty (24-hour)</p>	<p>Length of Warranty Period 2 year</p>	<p>Warranty Provided By E-Z Pack</p>
<p>Residential Liner Warranty (3-year)</p>	<p>Length of Warranty Period 1 year</p>	<p>Warranty Provided By E-Z Pack</p>
<p>Backup Vision System (3-year)</p>	<p>Length of Warranty Period 5 year</p>	<p>Warranty Provided By Pro-Vision</p>

Other Information

Paint Thickness	28 Seconds	10 Seconds	1,200 Lbs
Paint System	Powder Coat Paint with Underbody Coating		
Coating Height (to Head)	97 3/4" Above Chassis Frame		

Item #4

11

MINIMUM BID SPECIFICATIONS FOR FURNISHING ULTRA HIGH COMPACTION REAR LOADER BODY 31 CUBIC YARD CAPACITY

It is the intent of these specifications to describe the minimum requirements for a refuse collection body of rear loading design. The capacity of said body shall be 31 cubic yards exclusive of any loading area. Capacity shall be determined by measuring all available void storage area from the face of the ejector panel in its most forward position in the body rearward to the face of the packer panel in its most forward position.

The omission of any standard feature description shall not alleviate the bidder from the responsibility of furnishing a complete body with all standard equipment of the manufacturer's latest improved model in current production as offered to commercial trade. The body shall conform in strength, quality of material and workmanship to that provided by the best manufacturing and engineering practices of the industry.

It is required that the units, as specified herein, shall be completely assembled and adjusted and that all equipment, including standard and optional equipment, be installed on a chassis furnished by others and the unit made ready for continuous operation.

As it is our desire to buy American, bidders using components or parts of other than American manufacture shall so state in their bid.

The bidder shall represent by his bid that all equipment to be furnished under this bid is new and unused.

All bidders shall attach a statement that the unit offered meets these specifications exactly or list any exceptions fully and accurately.

The following bid specifications are the minimum acceptable specifications based on economy and usability

EACH BIDDER IS REQUIRED TO COMPLETE EVERY SPACE IN THE BIDDERS RESPONSE COLUMN BY CHECK (X) UNDER YES OR NO TO INDICATE ITEM BEING BID IS EXACTLY AS SPECIFIED. ALL NO RESPONSES AND ALL DEVIATIONS WHATSOEVER MUST BE FULLY EXPLAINED ON A SEPARATE PAGE. FAILURE TO DO SO MAY BE USED AS A BASIS FOR REJECTION OF BID. FAILURE TO DELIVER UNIT AS PROPOSED WILL RESULT IN REJECTION OF UNIT.

SPECIFICATIONS AND STANDARDS

When factory-printed literature, submitted to support the bid, does not indicate compliance with the specifications and your company can meet these specifications by modifications, you must so state in writing that you can meet the specifications and the necessary modifications be listed. Such writing must be submitted at bid opening time as part of your bid. Bidders must state make and model number of the unit they are offering. Bids submitted shall be on the latest current model of equipment meeting specifications.

GENERAL

BIDDER'S RESPONSE COLUMN

Refuse body to be a minimum 31 cubic yard capacity, exclusive of any loading area

YES NO

The hopper shall have a capacity of 4.0 cubic yard

Refuse body capable of packing an average of up to 1,200 pounds per cubic yard based on average household refuse.

Refuse body must meet all applicable standards.

BODY CONSTRUCTION

- 1) Roof shall be constructed of 10 gauge 100,000 PSI yield steel and shall be curved without use of crossmembers. Roof seams to be full welded. For maximum life the body sides, floor and roof, shall be constructed of a minimum 100,000 PSI yield steel.
- 2) Side Sheets – Minimum 7 gauge 100,000 PSI yield steel and shall be curved without use of crossmembers.
- 3) Floor - Minimum 1/4" 100,000 PSI yield steel. Floor shall be flat throughout, troughs or valleys are not acceptable.
- 4) Two (2) "V" type longitudinals formed of 7 ga. 50,000 PSI yield steel, internally gusseted, shall be provided for the full length of the body. "V" type longitudinals shall provide superior floor support without the use of crossmembers. Longitudinals shall be 6-1/2" high with 11-3/8" of width at the floor sheet and 3" of width at the truck frame.
- 5) Top rail and rub rail shall be formed channel 5" x 3". minimum of 10 gauge 50,000 PSI yield steel and shall be fully welded to body sides. Top leg of braces shall be tapered to shed elements and eliminate rust pockets.

- 6) Rear body corner post shall be 3/16" 50,000 PSI yield steel, 4-3/4" x 6" and internally gusseted.
- 7) Front body corner post shall be 12 Ga. 50,000 PSI yield steel formed box section.
- 8) Body shall be adequately braced at all points to withstand repeated applications of maximum packing pressures without distortion of members.

BODY DIMENSIONS

- 1) Inside height no less than 85-5/8".
- 2) Outside height no more than 97-3/4" above chassis rails, exclusive of body risers.
- 3) Inside width no less than 89-1/2".
- 4) Outside width shall be no more than 96".
- 5) Overall length of body:
31 yd. body 285"

HOPPER DIMENSIONS

- 1) Hopper capacity minimum of 4.0 cubic yards. Hoppers with factory or vendor build ups to achieve greater capacity will not be considered.
- 2) Loading height up to 5-1/2" below chassis frame height
- 3) Inside hopper width minimum 80".
- 4) Loading opening minimum 80" wide X 64" high.

TAILGATE CONSTRUCTION

- 1) Hopper lower sides to be a minimum 1/4" 100,000 PSI yield steel. Upper sides, 7 ga. 50,000 PSI yield steel. The sides shall be free of tracks, slots or openings.
- 2) Tailgate side reinforcements shall consist of 6-3/16" x 2-15/16" 3/16" 50,000 PSI yield and 6" x 2-15/16", 12 Ga. 50,000 PSI yield formed steel channels fully welded to the perimeter of the tailgate side sheets. Additional tailgate side reinforcement from 6" x 2-1/4" channel braces formed from 10 Ga. and 12 Ga. 50,000 PSI yield steel.
- 3) The hopper floor and hopper sill shall be a minimum of 1/4" AR400 155,000 PSI yield steel. Forward area of hopper floor to have 10" x 80" x 1/4" 100,000 PSI yield liner plate. Hopper load sill to be reinforced by 1/4" 50,000 PSI yield formed box section

10-7/8" x 10".

- 4) Tailgate shall be securely hinged to body at roof line using heavy duty flame cut hinges. It shall be raised for load ejection by two (2) 4" I.D. double-acting hydraulic cylinders.
- 5) Tailgate shall be equipped with automatic tailgate locks. Lock/unlock controlled by activation of a single control lever located on the left front of body next to the ejector panel control. Use of manual screw clamps or turn buckles to secure tailgate will not be acceptable.
- 6) An extruded rubber gasket shall be securely affixed to the tailgate to provide a watertight seal between the body and the tailgate 50" up each side minimum. Seal must be installed on the tailgate.
- 7) The tailgate must be equipped with a tailgate ajar switch with a light fixed in the cab and an external audible alarm, which complies with the ANSI standards to warn the driver when the tailgate is partially opened.
- 8) Bolt-on steps are to be provided on each side of the tailgate, with grab handles located conveniently. The steps must be made out of grip strut open grate material which will comply with ANSI standards.

PACKING MECHANISM

- 1) Packing controls shall be mechanical lever operated. The packing control handles must be dual levers and must be able to reverse the packing mechanism at any position in the cycle or stop any movement of packing panel by returning the control levers to their neutral position.
- 2) Controls for the packer mechanism shall be located at the curbside of the hopper opening. The controls shall be manually operated. Control valve shall be externally located on curbside hopper wall. Control handle linkage will be attached directly to the valve spools without the use of bell cranks or other linkage.
- 3) The total packing cycle time to be a maximum 28 to 30 seconds. Operator reload time shall be no greater than 10 to 12 seconds.
- 4) The packing mechanism shall consist of two (2) primary structures: the sliding fallback shield and the packing panel.
 - A. Sliding Fallback Shield
 - a) The sliding fallback shield shall be of the free-floating design. Mechanisms incorporating slots, rollers, slide blocks or external link arms are not acceptable.

b) The sliding fallback shield face plate shall be constructed from 3/16" 100,000 PSI yield steel reinforced with formed channel members fabricated from 3/16" 50,000 PSI yield steel. Side plates shall be fabricated from 1/4" 100,000 PSI yield steel. Fall back shield shall have exposed surfaces covered with solid plate so no pockets exist for trash or liquids to collect

B. Packing Panel

a) Packing panel shall be of the free floating-design. Mechanisms incorporating slots, rollers, slide blocks or external link arms are not acceptable.

b) The packing panel face plate shall be constructed from 1/4" 100,000 PSI yield steel. Packing edge 1/4" 100,000 PSI yield wear plate backed by 8" x 3" x 1/4" wall rectangular tube. Reinforced by five (5) 6" x 4-7/16" formed channels of 12 ga. 50,000 PSI yield steel. Packing (sweep) panel back shield shall have exposed surfaces covered with solid plate so no pockets exist for trash or liquids to collect.

c) Packing cylinders shall generate 120,000 pounds of compaction force.

5) Packing cylinders are to be 6" I.D. double-acting cylinders. Sweep cylinders are to be 4" I.D. double acting hydraulic cylinders.

6) When the packing mechanism reaches the rear most position, the packer must stop approximately 14" above the loading sill to avoid a pinching action. The packing control handles must then be reactivated to complete the cycle.

7) The packing panel is to compact material into the body against the ejector panel for a tighter, denser load.

EJECTION SYSTEM

1) Unloading shall be by ejection method with a telescopic cylinder operating the ejector panel the full length of the body

2) Ejector panel shall be powered by a double-acting, telescopic hydraulic cylinder.

3) The ejector panel must be designed to act as a bulkhead against which refuse is compressed by the packing panel

- 4) The ejector panel face to be constructed from 7 gauge 100,000 PSI yield steel with 10 gauge 50,000 PSI yield steel gussets and 4" X 3" X 3/16" wall rectangular tubes. Panel lower face shall be 3/8" angle 50,000 PSI yield steel boxed with 1/4" angle 50,000 PSI yield steel.
- 5) Ejector panel is to travel the full length of the body in floor level tracks and be equal in area to the cross section dimensions of the body.
- 6) Ejector panel shall travel on four (4) steel guide shoes. 1" x 2-1/2" x 12" long in floor level tracks at the inside corners of the floor and sidewall. Ejector panel tracks to be 6" @ 12# ship channel, reinforced. Ejector panel tracks that are an integral part of body floor or tracks that are in a trough below floor level are not acceptable.
- 7) The ejector panel shall have no protrusions so that in its rearmost position it will not be damaged if the tailgate is closed with the panel fully rearward.

CONTROLS

- 1) Ejector panel and tailgate lock/unlock raise controls shall be located streetside at the forward end of the body. An additional throttle advance switch shall be located within reach to the ejector panel and tailgate controls.
- 2) The packing control levers must be capable of full reversing the packing cycle and of lifting the packer panel at an angle of approximately 90 degrees away from any object in direct contact with the edge of the panel.
- 3) An automatic throttle advance shall be provided. The successful chassis bidder shall supply the proper interface for the body supplier to connect packer body "throttle advance" control signal to the engine ECU. Throttle advance signal to be controlled by sealed, proximity type switch – no mechanical type switches accepted.
- 4) A buzzer shall be provided at both sides of tailgate to signal driver in cab.
- 5) Power take off controls shall be cab mounted.

HYDRAULIC SYSTEM

- 1) A complete hydraulic system shall be provided.
- 2) Hydraulic pump is to be 30 GPM @ 1200 RPM minimum and shall have a minimum 2500 PSI working pressure. Working pressure of packing mechanism shall be 2000 PSI.

- 3) A factory sealed relief valve set at a maximum of 2500 PSI to protect all components from excessive pressure
- 4) The hydraulic oil reservoir must have a capacity of not less than 67 gallons and be located curbside, mounted inside lower front corner of body.
- 5) The hydraulic oil reservoir shall be equipped with filter breather, clean out cover, oil sight gauge and shut-off valve in the suction line. A 3 micron return filter shall be included.
- 6) All high pressure hydraulic tubes shall be corrosion protected using Zinc Di-Chromate plating and clamped using bolt on molded clamps. All high pressure hoses shall have a protective nylon sock and designed to withstand four (4) times working system pressure. All tube connections must be JIC type with leak-proof, "Flaretight" seal technology
- 7) The hydraulic system shall contain the following cylinders. All cylinders are to have "V" type packing.
 - A. Two (2) packing cylinders, cushioned, 6" I.D. double-acting with 2-3/4" hardened chrome plated rods and a stroke of 42".
 - B. Two (2) sweep cylinders, 4" I.D. double-acting with 2-3/4" hardened chrome plated rods with a stroke of 28".
 - C. One (1) ejection cylinder.
31 yard body - 6-1/2", 3 stage D A. telescopic. 124" stroke
 - D. Two (2) tailgate lift cylinders, 4" double-acting with 2-1/2" chrome plated rod and a stroke of 35".
- 8) Two manually operated sectional control valve assemblies must be provided with sufficient capacity to operate all hydraulic components. A regeneration valve is to be used to increase the speed of the packing cylinder. Front control valve shall be two (2) spool sectional type. Rear control valve shall be three (3) spool sectional type with third spool for use with optional container handling devices
- 9) For ease of service, the hydraulic valve assemblies, including relief valve, must be located so that at no time or load condition will it be necessary to remove the load in order to obtain access

to the valve assemblies.

LUBRICATION

- 1) All packing wear points to be equipped with grease fittings.

LIGHTING

- 1) All body lighting and reflectors shall comply with D.O.T. and FMVSS #108 regulations.
- 2) Wiring harness in round convoluted soft conduit to be provided. Wiring harness to be color coded and numbered, with automotive type plug in connectors.
- 3) Light package to include:
 - (2) 4" high mount stop / tail
 - (2) 4" high mount turn / tail
 - (2) mid body turn signals (one each side)
 - (1) center mount brake light
 - (2) 2-1/4" oval low mount stop / tail
 - (2) 2-1/4" oval low mount turn / tail
 - (1) 4" low mount back up light
 - (1) license plate light
 - (2) 4" high mount amber flashing lights
- 4) For long life and ease of service, all clearance, tail, stop and back-up lights shall be plug in type, grommet mounted, shock resistant, waterproof, LED type with Lexan lens. They shall be Truck-Lite, Peterson, Maxxima or approved equal.

PAINTING

1) Body to be cleaned, deburred, weld spatter and slag removed prior to multi-stage chemical treatment/high pressure wash
Powder coat primer and finish coat assure a long-lasting durable paint system with excellent adhesion, color-fastness, solid hiding, abrasive resistance and ultraviolet protection.

In order to assure complete coverage, the major assemblies to be painted prior to assembly.

Dry film thickness is to be minimum 4 to 6 mills coverage. Paint to be baked at 325 degrees until fully cured.

Paint must pass minimum 1250 hours salt spray test for corrosion resistance.

Paint must pass UV test of 2000 hours for minimum loss of gloss and color shift.

Hydraulic cylinders and valves to be painted black semi-gloss

Hose ends and hydraulic fittings to be anodized and remain unpainted.

Hydraulic tubing to be zinc dichromate plated and unpainted

Electrical harnesses, connections, switches, pneumatic tubing and fittings to be weatherproof and remain unpainted.

Ejection panel Powder Coat painted White.

Plated pivot pins.

Undercoated underbody.

The finish coat color shall be: Silver

MOUNTING

1) Body installation shall be performed by the manufacturer or a factory authorized distributor.

2) Mounting shall be chassis and body manufacturer's engineering specifications.



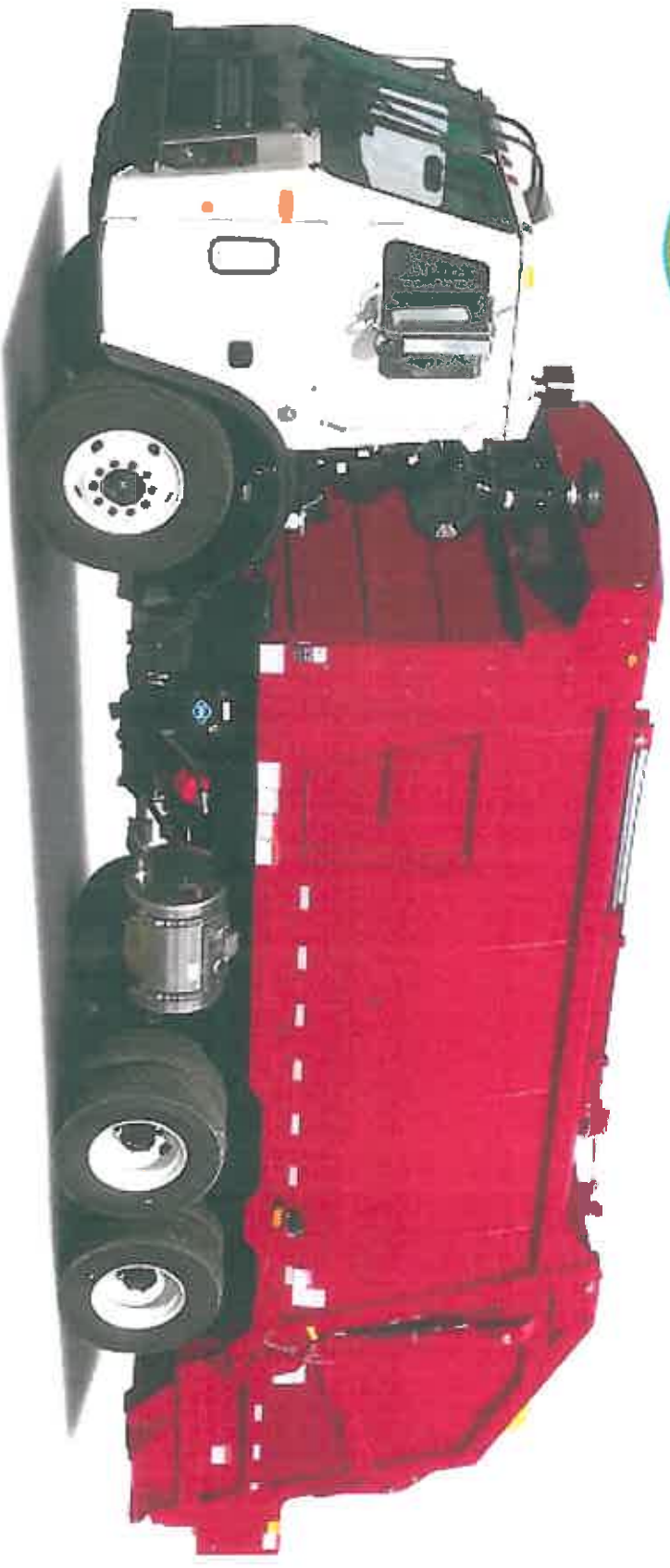
Refuse Hauling Solutions, LLC



GOLIATH G400C Rear Loader

Bid Response

Bid #9-2016





Cover Letter

Attached for your consideration is detailed information about our company and equipment as per bid specifications #9-2016. Plus information on our products warranty and on-site operator and mechanics training.

Our proposal does not take any exception to the bid specifications. Please feel free to give us a call if you have any questions or concerns about our proposal.

We look forward to working with everyone at Lexington Fayette Urban County.

Sincerely,

E-Z Pack Refuse Hauling Solutions, LLC



Company Introduction

E-Z Pack Refuse Hauling Solutions LLC has been setting the standard for truck-mounted refuse pack bodies for over six decades. Durable, dependable, and loaded with the features you need to get the job done right.

E-Z Pack products range from commercial front loaders, residential front loaders, automated side loaders to a variety of rear loaders to meet a broad range of applications. In addition, every E-Z Pack is backed by our extensive dealer network and E-Z Pack Care programs. E-Z Pack also offers a wide range of CNG options to meet your needs.

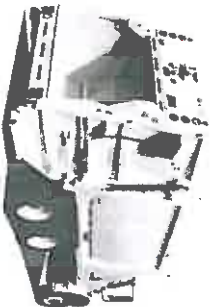
Proudly located in Cynthiana, Kentucky, E-Z Pack's facilities includes a 350,000 square foot manufacturing plant that has recently undergone many upgrades. Our manufacturing plant includes several work cells for assembling components and building packer bodies. Our body production lines also include cement mixer bodies for the construction industry. Please come check out our new updated corporate offices, engineering and sales departments.



HERCULES ASL



GOLIATH G400 Series



GOLIATH G300 Series



HERCULES CFL



APOLLO A300 Series

350,000 SQ. FT of sparks, steel, and hard work



They say a house is only as good as it's foundation. If the foundation of a manufacturing company is it's factory, then we have a great base to build on. With over 350,000 square feet under roof, our plant provides us the opportunity to stabilize, modernize and improve the EZ-Pack Product line.

We are making investments in new technologies, new fixtures, and new methods of production to ensure that we stay competitive and deliver a high quality product that lives up to the EZ-Pack name.

We invite you to come see what we're about. Factory tours are always available, and we're excited to show our new home. Come meet the hard working men and women that actually build your next body. We'll even let you drive your completed unit off the line, just let us know and we'll be happy to arrange it.



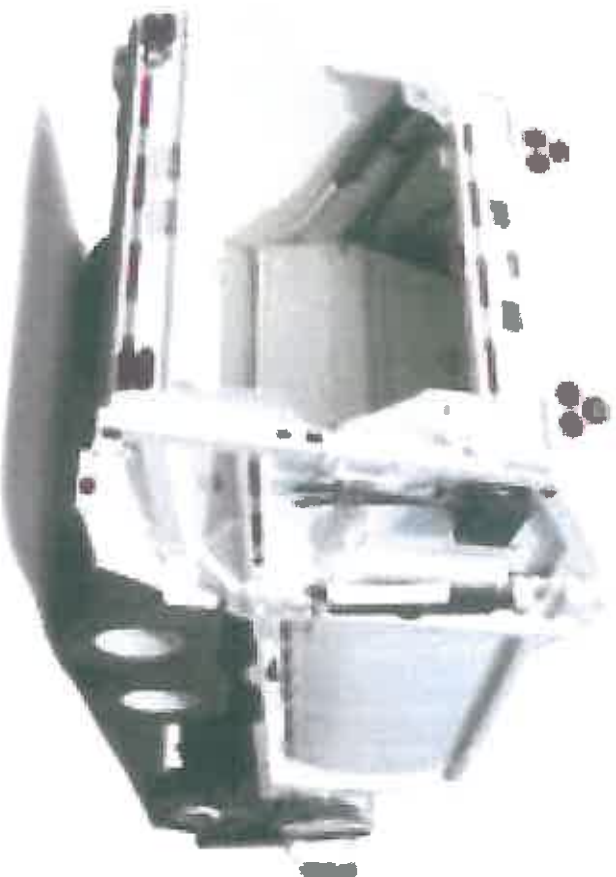
Refuse Hauling Solutions, LLC

2016



History and Product Updates

Since its introduction nearly three decades ago, E-Z Pack's Goliath rear loader has become an industry standard for durability, solid performance, high compaction and easy operation.



Goliath Model G400

2016

Engineered "Smart Steel" is an E-Z Pack Innovation

E-Z Pack

**Engineered
Smart
Steel**

1002218

E-Z Pack was one of the first manufactures to develop an engineered grade steel for the refuse application. We call this **SMART STEEL**.

E-Z Pack's **SMART STEEL** metal goes through a slightly different quenching and tempering process than standard AR steel, which gives it a tough and wear-resistant exterior while eliminating all brittleness within the core of the steel.



Refuse Hauling Solutions, LLC

2016

Tuff Coat Powder Coat Paint



E-Z Pack know that their products lives a hard life and that is one of the reasons that E-Z Pack powder coats their products. Power coat paint is 5 times more durable than the traditional wet paint process.

As a standard, E-Z Pack also takes an extra step to protect the body by adding a under coating for a long service life.

Another advantage is that no electrical or hydraulic lines are paint over for easy trouble

Not only is E-Z Packs power coat paint more durable, it is also environmentally friendly.



Refuse Hauling Solutions, LLC



Commercial Grade Swing Link Design

Swing Link Design

- Like its Goliath predecessors, the new G400 features a linkage packer design, which means no rollers, slides, or shoes to wear out and replace. And unlike other linkage designs, the G400 does not use slots in the hopper side to guide the packer panel, which can cause troublesome trash build up. E-Z Pack's swing link packer is a proven dependable, easy to maintain packing system.

Flat Panels

- The G400 sweep panel and other moving panels are flat – no bolsters or braces necessary. The result is an easy-to-clean panel that won't collect debris or liquids that can cause rust and corrosion.



Goliath Model G400

2016



Largest Hopper with Highest Compaction

True 4Yd3 Hopper

- The G400 hopper is the largest in the industry, which means you'll need fewer cycles to handle commercial containers. Residential routes will get finished quicker as well, and more profits will flow to your bottom line.

Highest Compaction

- The Goliath has long been known for its packing ability, and that won't change with the G400, capable of packing up to 1200 lbs. per cubic yard. Nobody packs a better load than the G400, so you'll stay on the route longer with fewer trips to the landfill.



Goliath Model G400

2016

Tailgate Features

Automatic Locking Tailgate

Save time and money with E-Z Pack automatic tailgate locks with built in safety props.



Lowest Loading Height

The Goliath G400 still has the lowest loading height in the industry, which saves wear and tear on your other most valuable asset – your people. Operators will appreciate G400s ease of use, from the loading sill to the straight forward controls – another E-Z Pack hallmark.

Improved Throttle Advance.

Most rear loaders use electrical switches to control throttle advance, but the G400 uses proximity switches instead for a more dependable, long lasting solution.



Goliath Model G400

2016



E-Z Packs packer panels are built commercial grade tuff. Designed with no "Bottle Pins" to break or slides/rollers to replaced. No doubt the best design for total cost of ownership.

The new GOLIATH G400 upper and lower packer panels are fully enclosed so that no debris is left behind.

Cylinder pin ports are also added to for easy and clean service access.

Packer Panel Features



Goliath Model G400

Tailgate Hydraulic Updates

Cleaner Hydraulic Routing

- The routing of hydraulic components has been simplified for easy maintenance and less chance for debris buildup.

Leak-Proof Hydraulics

- Hydraulic leaks have long been an issue with other rear loaders, but E-Z Pack solves the problem with leak-proof Flaretight seals on all G400 hydraulic fittings. The Flaretight seal is a metal stamping with concentric rings that form multiple seals down the face of a flared tubing, and a baked-on Loctite™ sealant to fill minor imperfections. The result is a permanent leak proof connection.



Goliath Model G400



Integrated CNG Fuel System

E-Z Pack is the first manufacture in the industry to offer total CNG integration. With over 60 DGE built with optional 75 DGE into the front bulk head of the packer body not only gives you the best wheel base configuration, also give you the safest CNG unit on the road.



Goliath Model G400



Certified Factory Body Installation

At E-Z Pack we certify each of our body mounts that includes the following:

- **Chassis Prep – Confirm GVW Rating and Inspection**
- **Body Mounts Installed**
- **Hydraulic System Installed**
- **Operator Controls Installed**
- **Body Electrical System Installed**
- **System Start Up Checks**
- **PDI Final Inspection**





Refuse Hauling Solutions, LLC

Bid Equipment Information for G400 Model Rear Loaders



Option EZ-G400C-31 HD Rear Loader

2016 GOLIATH

Model G400C-31

- G Goliath
- 400 Series
- C Curved Body Wall
- 31 31 Cubic Yard Capacity



Standard Equipment includes the following:

- Minimum 100,000 PSI "Smart Steel" construction
- 4.0 cu. yd. hopper
- Lowest loading height
- Trackless hopper design
- Automatic latch / unlatch tailgate
- Tailgate maintenance props
- Automatic throttle advance
- Streetside & curbside driver signaling buzzers
- Bolt-on rear riding steps w/ grab handles
- Pump kit for direct mount PTO (Less PTO)
- High mount light package
- Dual amber flashing lights on tailgate
- L.E.D. Lights
- One Color Powder Coat Paint & Factory Mount
- 12 Month Body (Structural) & Cylinder Warranty

Steel Specifications -- Smart Steel

Body Floor	1/4" 100,000 PSI
Body Sides	7 Ga. 100,000 PSI
Body Roof	10 Ga. 100,000 PSI
Ejector Panel	7 Ga. 100,000 PSI
Packing Panel	1/2" 100,000 PSI
Hopper Floor	1/4" Plate 155,000 PSI
Hopper Sides	1/4" 100,000 PSI

Option B35-REL Body Side Door

Option includes the following:

- (1) Street Side Access Door – 29" x 34"

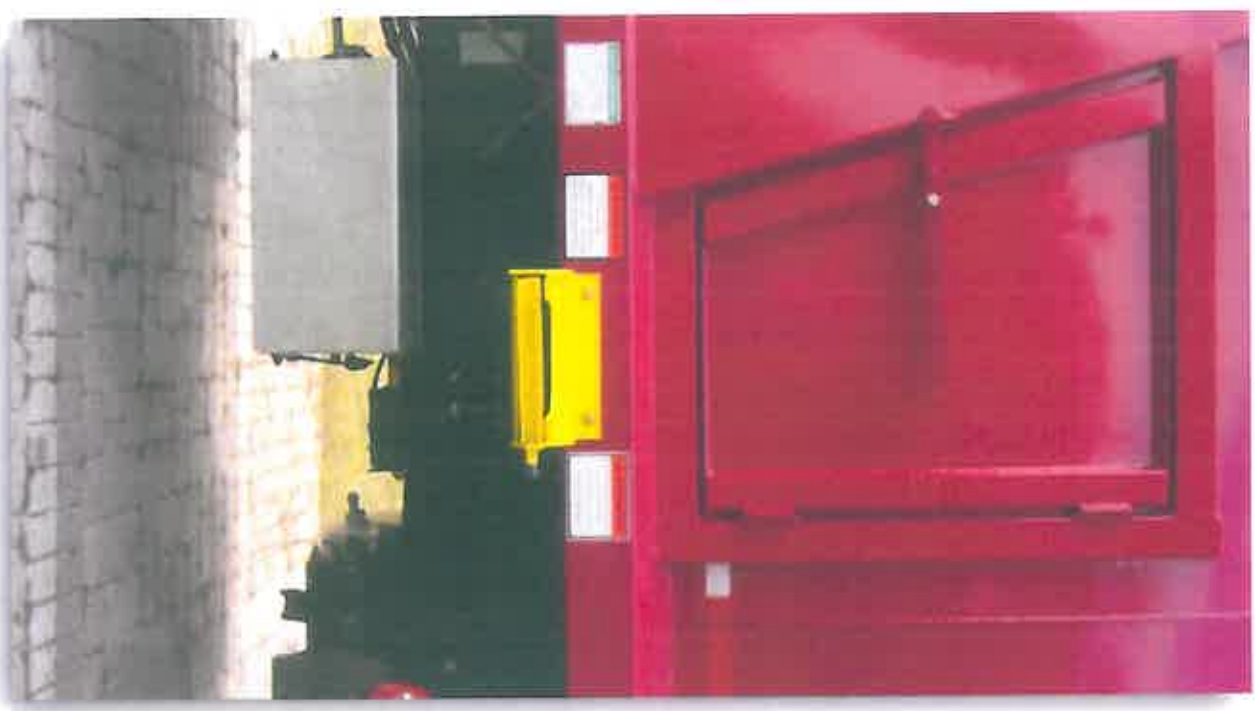




Option B41-REL Side Door Interlock

Option includes the following:

- Side Door Interlock (Hydraulic Kill)



Option B10-REL Underbody Body Access Ladder

Option includes the following:

- (1) Telescoping Side Door Ladder for easy access to body



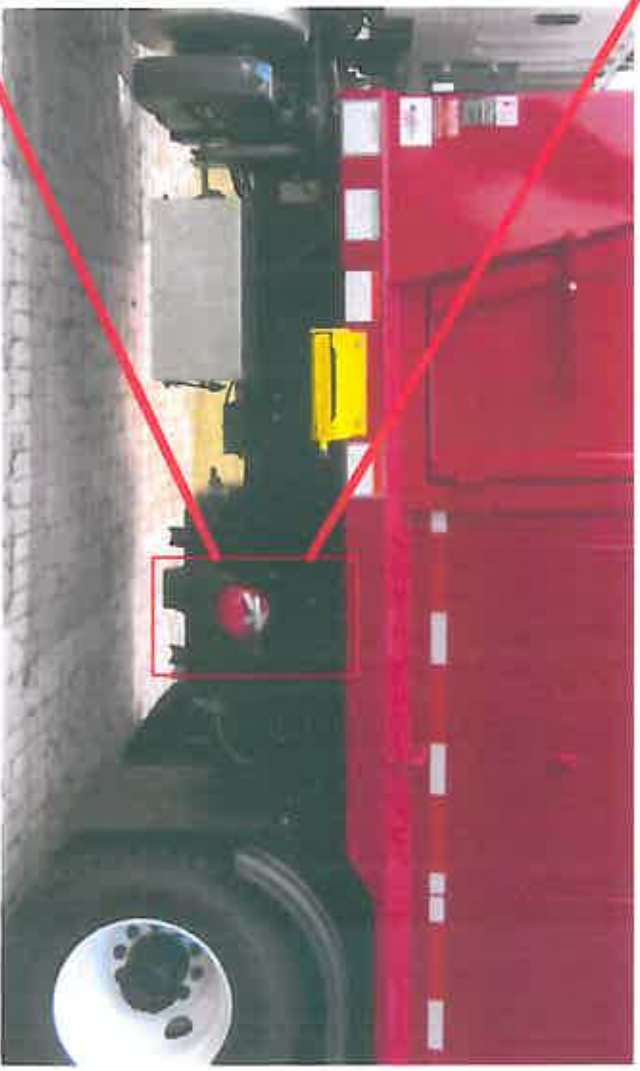


Refuse Hauling Solutions, LLC

Option B20-REL 20 # Fire Extinguisher

Option includes the following:

- (1) 20 lb Fire Extinguisher with a bracket mounted on the body.
- Fire Extinguishers are a DOT required item.





EZ-P03-REL – Front Mount Pump

The MLSM Series Live Pak pump system provides protection against hydraulic overspeed damage while allowing the driver to maintain full use of the hydraulic system on refuse vehicles. The built-in flow limiter automatically redirects excess pump flow to reservoir when the pump is on. In the off mode full pump flow is directed to the reservoir at an extremely low return pressure to conserve fuel by minimizing horsepower draw. The Live Pak system works without hydraulic or electronic overspeed controls, governors, or dry valves.



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Option B40-REL Front Body Limb Guard

Option includes the following: Bolt on Limb Guard for Hydraulic Lines



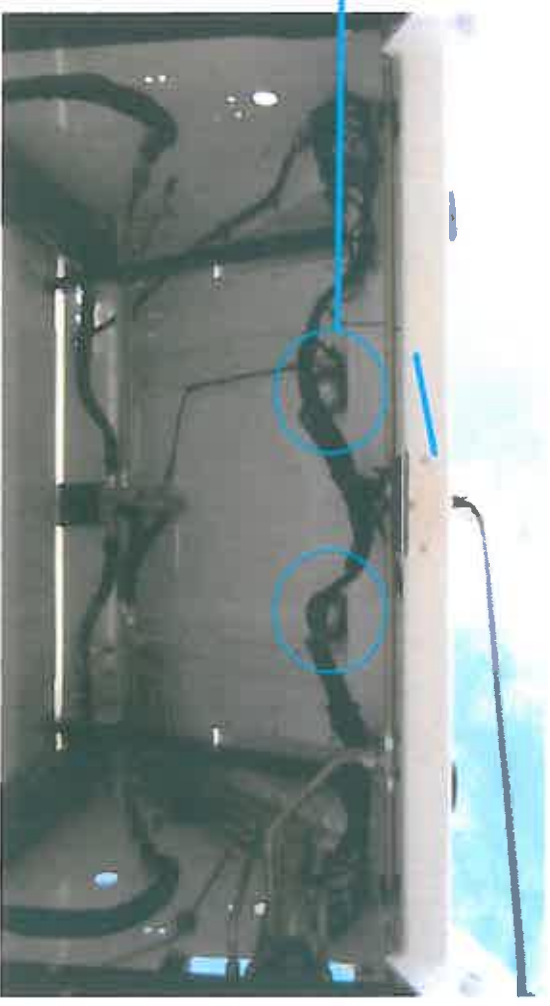
Option E08-REL Dual Hopper Flood Lights

Option includes the following:

- (2) Flood Lights mounted inside the tailgate and pointed down into the hopper area.
- Illuminates inside the hopper area



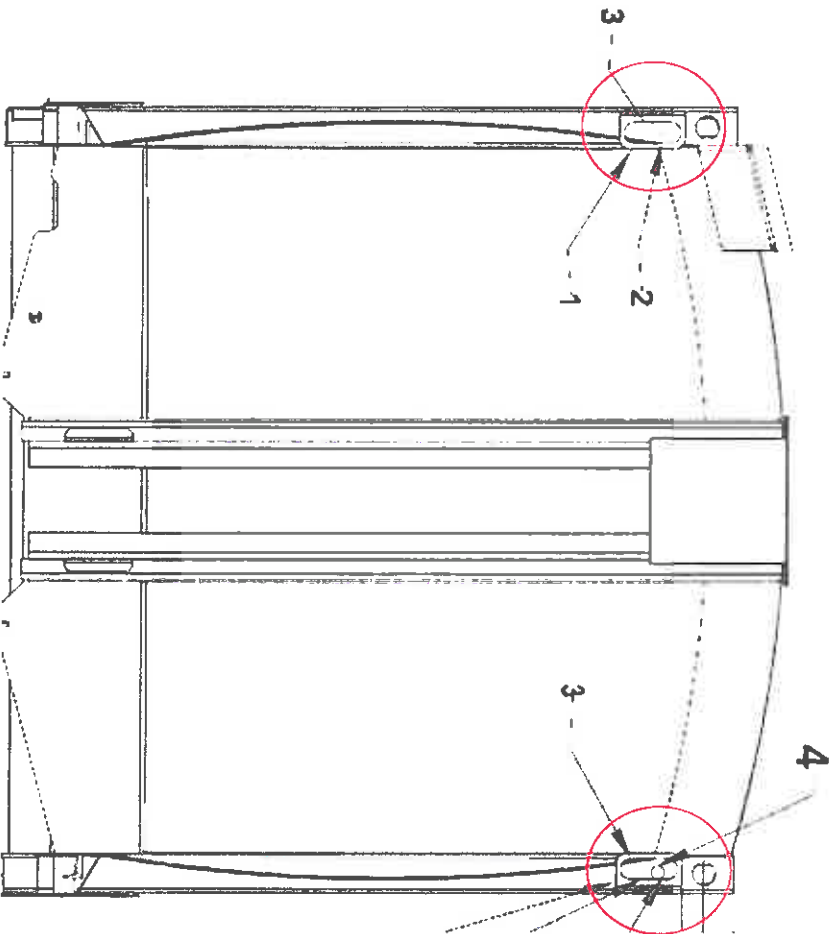
(Below) Looking up into gate ceiling from hopper floor



Option E10-REL Front Body LED Amber Flashers

Option includes the following:

- Amber LED Flashers on Front of Body

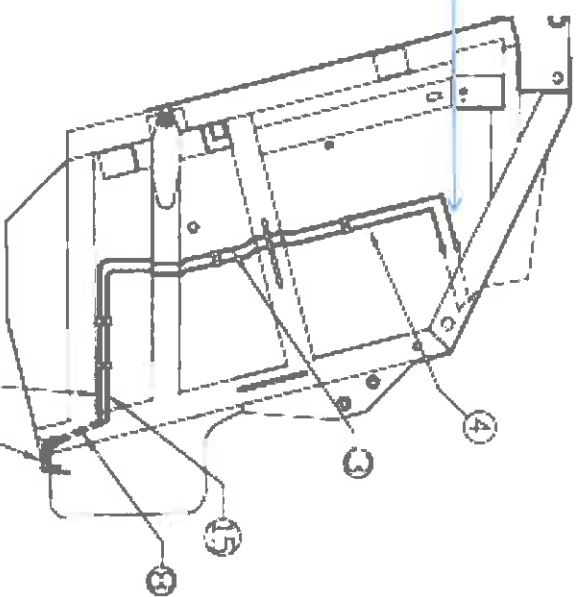




Cart Tipper Hard Line Kit

Option includes the following:

- Hydraulic Steel Hard Lines for Cart Tippers where Applicable.



Bayne TL-1116 Cart Tipppers

Option includes the following:
 (2) Bayne model TL-1116
 Factory Installed

Cart Compatibility:	ANSI Z 245.60-1996 Type B Carts (domestic style 2-bar)
Lift Capacity:	400 lbs @ 1800 psi (with 1100 Actuator) 700 lbs @ 1800 psi (with 2200 Actuator)
Hydraulic Pressures:	Working Pressure – 1800 psi Maximum Pressure – 2500 psi
Hydraulic Flow:	2.0 – 2.5 gpm
Cycle Time:	6 – 8 seconds (lifter only) 8 – 10 seconds (with 9" vertical) 10 – 12 seconds (with 15" vertical) 15 – 25 seconds (with 24" or 34" vertical)
Bearings:	Self-Lubricating Composite Material
Actuator:	Patented Thinline® Rack and Pinion Rotary Actuator
Finish:	Safety Yellow Powder Coating
Options:	<ul style="list-style-type: none"> • Tap-In-Kit • Mounting Plate Kit for Bolt-On Application • Commercial Container Bumper Kit



Stainless Steel Underbody Tool Box

Option includes the following:

- (1) Stainless Steel Tool Box 36" L x 24" H x 24" D.
- Fold Down Side Door with weather proof seal and lock handle.
- Installed – Curb-side of body
- 14-gauge powder coated steel box
- 14-gauge, bright polished, SS door
- Recessed/beveled door (doors are replaceable)
- Rain channel design, 1/2" door gasket
- Die cast locking T-handle compression latches (two)
- SS continuous hinge protects from moisture & road dirt
- Reinforced door backbone strengthens the integrity of the door and protects the latch mechanism
- "Aircraft cable" door retainers
- Full open door (remove cable & door opens completely)



•Part #1704710

Description: Tool Box for storing misc items.



Pro-Vision Camera System

Option includes the following:

PRO-VISION® System Features:

- 5 YEAR System Warranty
- LIFETIME Video Cable Warranty
- Reliable Commercial Monitors
- Versatile Multi-Position Monitor Brackets
- Rugged IP69K Waterproof Cameras
- IP69K Waterproof Connectors
- No Monitor Control Box
- Cut, Oil and Heat Resistant Cables
- Industry Leading Service and Support:

All Systems Include:

- Heavy Duty Monitor
 - Wide Angle Camera
 - Windshield Mount Base
 - DoublePivot™ Monitor Bracket & Thread Locker
 - Dielectric Connector Protector
 - 12ft Power Harness w/ In-line Fuse Holder
 - Two 33' AV Cables w/ Metal Twist-Lock Connectors
 - Mounting Brackets / Hardware
- *TV-600 Systems include one 33' AV Cable and an OEM style windshield mounting puck.
- *TV-900 Systems do not include a windshield mount base.
- *LVS Systems do not include monitor or monitor mounting hardware.

TV-905A VLI Series Night Vision Camera System with 9.0" Quad View Touch Screen LCD Monitor

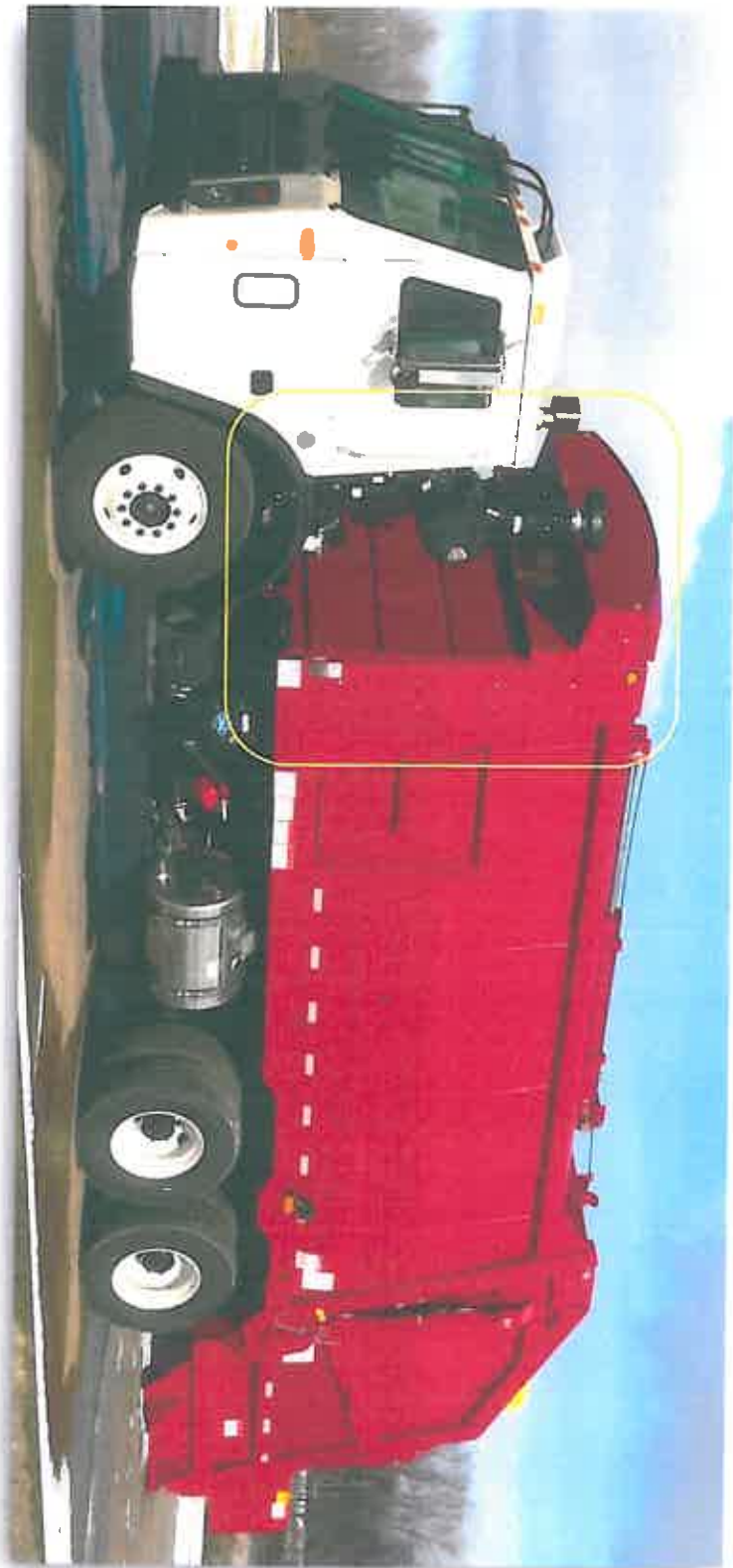




CNG Integrated CNG Fueling System

Body shall include minimum of 75 DGE fuel system integrated into the front body bulkhead. The system shall be designed to meet FMVSS 304 and NGV2 specifications for use with heavy-duty class 8 vocational vehicles suitable for refuse application.

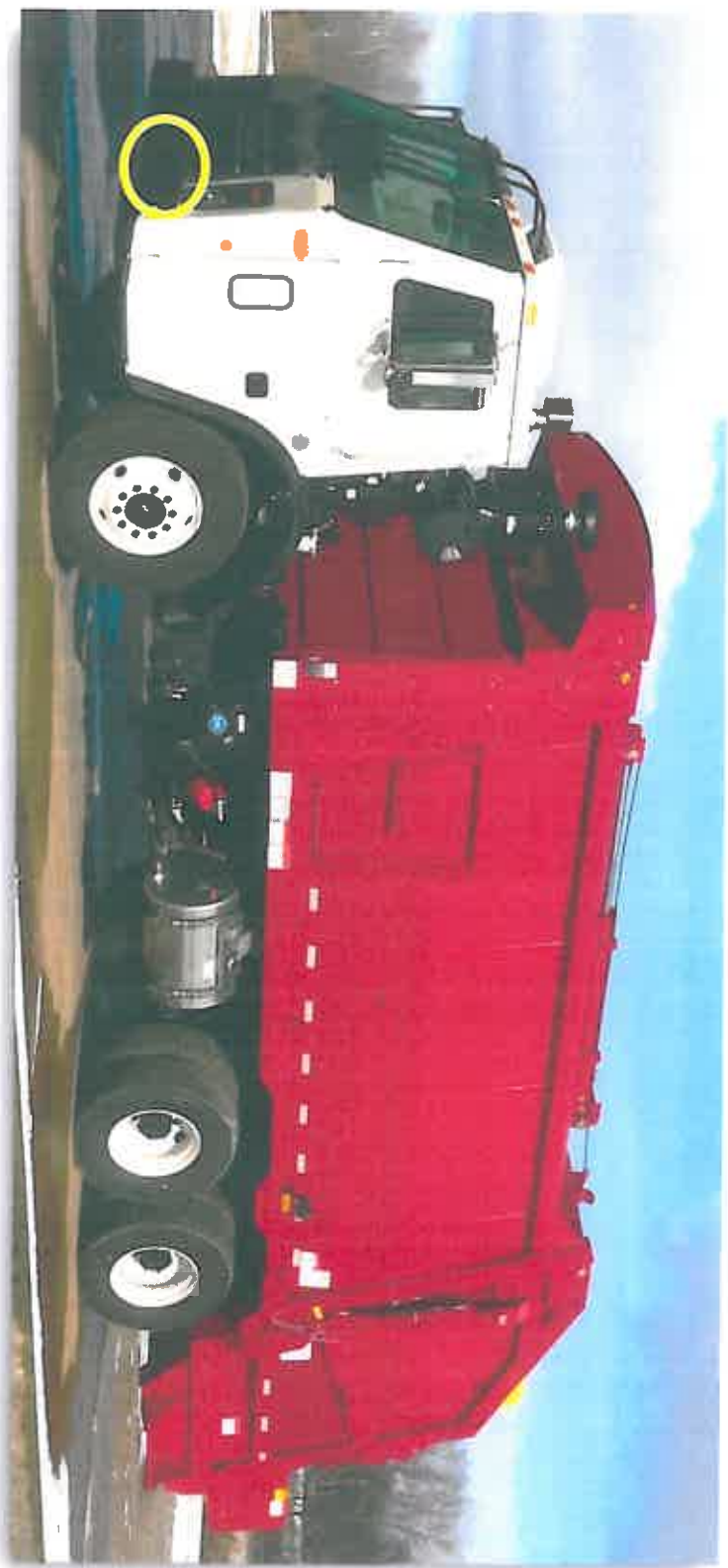
For protection purposes, fuel cylinders shall not protrude above normal roof line of the body. Body shall be no taller than body of comparable diesel fueled model in order to prevent mishaps from obstructions, such as overhead wires, tree limbs, or overhanging canopies.





Additional CNG Fuel Port

Additional CNG Fuel Port to be provided on front loader of chassis.

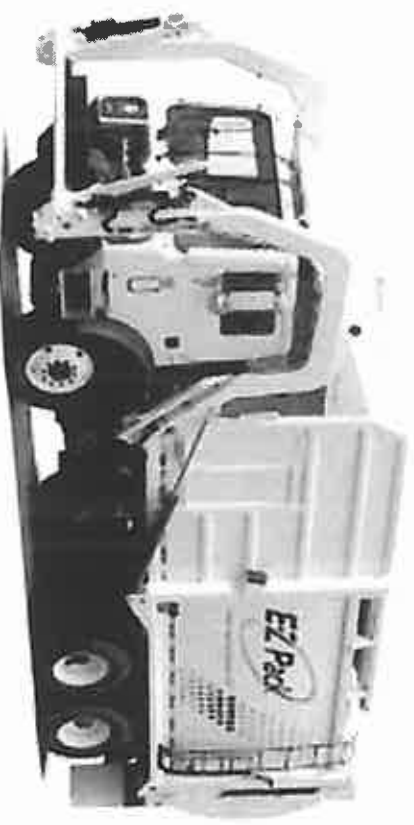


On-Site Operator and Mechanic Training

The following is a list of items that is included in our proposal for (2) day on-site Operator and Mechanic training for the packer body and CNG fueling system.

- Packer Overview
- Hydraulic System
- Operation Review and Safety Tips
- Service Requirements
- Service and Parts Manuals (Hard Copy)
- CNG Fueling System Overview
- Service Requirements
- Safety Tips
- Service and Parts Manuals (Hard Copy)





E-Z Pack Refuse Hauling Solutions, LLC

- Powder Coat Coating Process Specifications



Thermoset Powder Coat Painting Process

- The following specifications is required in order to obtain minimum characteristics of a long durable coating system with excellent adhesion, color fastness, solid hiding and abrasive resistance.
- Major assemblies such as packer blades, tailgates, arms and forks in order to promote consistent paint coverage and long term rust and corrosion prevention, shall be coated separately and assembled after finish coating has fully cured

Cleaning and Preparation



- All components will be cleaned, deburred, weld spatter and slag removed.

Multi-Stage Chemical Treatment and High Pressure Wash

- All components must be high pressure washed above 1,500 PSI with a heated solution process that will remove all oil and dirt residues.
- Then a phosphatized, rinsed, and sealed with a non-chromated environmentally safe compound.
- Wash – dual proposed detergent/iron phosphating compound to prepare for maximum paint performance.
- Rinse – A final rinse treatment must include passivating agents specifically formulated to enhance corrosion resistance and provide uniform surface conditioning that is highly receptive to paint adhesion.
- Immediately following the final rinse, the product shall be moved into an environmentally controlled room and elevated to approx. 200 degrees F in order to thoroughly dry all parts and components quickly, and to control humidity and timing, so that surfaces will remain in ultimate condition for applying coatings.

Thermoset Coating Process

- While maintaining elevated temperatures and controlled environment, in order to promote initial and inter-coat adhesion, thermoset powder primer and high gloss thermoset powder top coat will be applied electro-statically.
- After component is powder coat treated, the temperature is to be elevated to curing temperature of approx. 325 degrees Fahrenheit until fully cured.
- Dry Film Thickness – Primer and Top Coat Finish coat to be minimum of 4-6 mill coverage.





Durability and Certification

- Minimum Salt Spray Test – 1250 Hours
- UV Test – Coating must meet of minimum of 2000 hours with minimum loss of gloss and color shift.
- Certified by independent laboratory must be available verifying successful testing to this level.

Final Assembly



- After components are fully cured, they will be assembled with hydraulics, electrical system, and all other components.
- After assembly and before chassis mounting the unit will be tested, adjusted and made ready for chassis body mount.
 - Hydraulic Cylinders and Valves to be painted black, semi-gloss.
 - Hydraulic Hoses ends and fittings to be anodized plated and remain un-painted.
 - Hydraulic Steel Tubing to be Zinc Dichromate Plated and remain un-painted.
 - Electrical Harness, connections, switches and pneumatic tubing and fitting to be weather proof and remain un-painted.

Refuse Hauling Solutions, LLC



E-Z Pack Manufacturing, 200 Ladish Road, Cynthia, KY 41031

Manufacturer's Warranty

TO ESTABLISH YOUR WARRANTY, PLEASE FILL OUT THE ATTACHED WARRANTY REGISTRATION CARD AND MAIL WITHIN 2 WEEKS OF DATE UNIT IS PLACED INTO SERVICE TO: E-Z PACK MANUFACTURING, 200 Ladish Road, CYNTHIANA, KY 41031

E-Z Pack Manufacturing, referred to herein as the Manufacturer, warrants each new product of its own manufacture to be free from defects in material and workmanship, under normal use and service, to the original user only, for a period of 12 months body and 36 months packing cylinders and hydraulic pump from date of purchase, subject to conditions outlined below. Manufacturer's obligation under this warranty is limited to repair, or replacement with a similar part, any part of the product of our manufacture which is returned to us within 30 days after discovery of the defect, properly identified and transportation charges prepaid, and not more than 12 months after purchase by the original user, provided that in Manufacturer's judgment the part is defective in material or workmanship.

Manufacturer will furnish without charge FOB it's plant a similar part to replace any part of a product of it's manufacture which proves to be defective in material or workmanship while in normal use and service during this period.

The Manufacturer's warranty or obligation in connection with the sale of the product:

1. Shall be expressly limited to the repair or replacement of defective parts, as stated above, all other damage and claims, statutory or otherwise, being hereby expressly waived by the purchaser and covers only those labor charges specifically authorized by Manufacturer.
2. Shall not apply if the product has been operated beyond the Manufacturer's recommended capacity.
3. Shall not apply to any failure or damage incurred through neglect, lack of maintenance, misuse, accident, improper installation, reconstructing or modifying of assemblies or through any other cause beyond the control of the Manufacturer.
4. Does not cover products of other manufacturer beyond such warranty as is made by such manufacturer.

No claim under this warranty shall be valid unless such claim is submitted within twelve (12) months after date of sale or within thirty (30) days after discovery of the defect which is the basis for such claim, whichever event shall occur first.

THE FOREGOING IS MANUFACTURER'S SOLE WARRANTY AND MANUFACTURER MAKES NO OTHER WARRANTIES OF ANY KIND WHATSOEVER, EXPRESS, IMPLIED OR STATUTORY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WRITTEN OR ORAL, ARE HEREBY DISCLAIMED BY THE MANUFACTURER.

IN NO EVENT SHALL E-Z PACK MANUFACTURING BE LIABLE FOR CONSEQUENTIAL DAMAGES, NOR SHALL E-Z PACK MANUFACTURING'S LIABILITY ON ANY CLAIM FOR ANY DIRECT INCIDENTAL OR SPECIAL DAMAGES ARISING OUT OF OR CONNECTED WITH THE SALES (CONTRACT OR MANUFACTURE, SALE, DELIVERY, OR USE OF THE PRODUCTS EXCEED THE PURCHASE PRICE OF THE GOODS.

DISTRIBUTE TO: MUST OBTAIN FACTORY AUTHORIZATION BEFORE MAKING WARRANTY REPAIRS OR REPLACEMENT