



CITY OF SAN DIEGO

PURCHASING & CONTRACTING DEPT.
1200 Third Avenue, Suite 200
San Diego, CA 92101-4195

Bid No. 9647-10-E

REQUEST FOR BID

Closing Date: July 17, 2009
@ 3:00 pm P.S.T.

Subject: Furnish the City of San Diego with Front and Rear Loading Refuse Packers

Timeline: As may be required for a period of one (1) year from date of award, with options to renew for four (4) additional one (1) year periods, in accordance with the attached specifications.

Company _____

Name _____

Federal Tax I.D. No. _____

[PRINT OR TYPE]

Street Address _____

Signature* _____

City _____

Title _____

State _____ Zip Code _____

Date _____

Tel. No. _____ Fax No. _____

***Authorized Signature:** The signer declares under penalty of perjury that she/he is authorized to sign this document and bind the company or organization to the terms of this agreement.

E-Mail _____

SUBMITTED BIDS MUST HAVE AN ORIGINAL SIGNATURE.

If your firm is not located in California, are you authorized to collect California sales tax? _____ Yes _____ No

If Yes, under what Permit # _____

Cash discount terms _____ % _____ days. [Terms of less than 20 days will be considered as Net 30 for bid evaluation purposes.]

City of San Diego Business Tax License #: _____

State delivery time required: _____ days after receipt of order.

FOR CONSIDERATION AS A RESPONSIVE BID, THE FOLLOWING IS REQUIRED:

- 1) Bid must be submitted on official City bid forms.
- 2) All information on this Request for Bid cover page must be completed.
- 3) This cover page must be signed with an original signature.
- 4) All bidders must complete the Vendor Registration Form. This form is also available for on-line submittal.
- 5) Bid must be submitted on or before the exact closing date and time. Bid received after the exact closing date and time will NOT be considered. If hand delivering, please allow enough time for travel and parking to submit by the closing date and time.

FOR FURTHER INFORMATION CONCERNING THIS BID, PLEASE CONTACT:

BEVERLY ASBILL-GUMBS/cnn, Procurement Specialist

Phone: (619) 236-5923

Fax: (619) 533-3225

E-mail: BAsbillGumbs@sandiego.gov

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I. PRICING PAGE

A. SECTION 1 – FRONT LOADING REFUSE PACKERS

Annual Est. Qty.	U/M	Description	Unit Cost	Extension
2	EA	Front Loading Refuse Packer (as specified in Sections IV and V). Delivery Time: _____ Calendar Days ARO. Cab and Chassis Manufacturer: _____ Model: _____ Body/Arm Manufacturer: _____ Model: _____ Warranty Period: _____ The following is for information only and will not be included in the award evaluation: Pricing for optional six (6) year Refuse Body Warranty (as specified in Section III, paragraph F): \$ _____	\$	\$

B. SECTION 2 – CAMERA SYSTEM FOR FRONT LOADING REFUSE PACKERS

Annual Est. Qty.	U/M	Description	Unit Cost	Extension
2	EA	Color Camera System, including installation (as specified in Section V, paragraph R). Camera Manufacturer: _____ Model: _____ Co-axial Cable Manufacturer: _____ Model: _____ Monitor Manufacturer: _____ Model: _____ Swivel Mounting Bracket Manufacturer: _____ Model: _____ Warranty Period: _____	\$	\$

C. SECTION 3 - LAPTOP COMPUTER AND DIAGNOSTIC TOOLS

Annual Est. Qty.	U/M	Description	Unit Cost	Extension
2	EA	Cost to provide Laptop Computer and diagnostic Tools (as specified in Section V, paragraph U). Mfg. _____ Model: _____ Warranty Period: _____	\$	\$

D. SECTION 4 - INCREMENTAL COST TO PROVIDE DUAL DRIVE SYSTEM IN LIEU OF LEFT HAND DRIVE

Annual Est. Qty.	U/M	Description	Unit Cost	Extension
2	EA	Incremental Cost to Provide Dual Drive System in lieu of Left Hand Drive (as specified in Section V, paragraph H). Mfg. _____ Model: _____ Warranty Period: _____	\$	\$

E. SECTION 5 – REAR LOADING REFUSE PACKERS

Annual Est. Qty.	U/M	Description	Unit Cost	Extension
2	EA	Rear Loading Refuse Packer Engine (as specified in Section VI). Cab and Chassis Manufacturer: _____ Model: _____ Body/Arm Manufacturer: _____ Model: _____ Warranty Period: _____ The following is for information only and will not be included in the award evaluation. Pricing for optional six (6) year Refuse Body Warranty (as specified in Section III, paragraph F.): \$ _____ Pricing for installing an optional Cart Dumping Mechanism (as specified in Section VI, paragraph Q, item 1): \$ _____	\$	\$

F. SECTION 6 – CAMERA SYSTEMS FOR REAR LOADING REFUSE PACKERS

Annual Est. Qty.	U/M	Description	Unit Cost	Extension
2	EA	Color Camera System, including installation (as specified in Section VI, paragraph P). Camera Manufacturer: _____ Model: _____ Co-axial Cable Manufacturer: _____ Model: _____ Monitor Manufacturer: _____ Model: _____ Swivel Mounting Bracket Manufacturer: _____ Model: _____ Warranty Period: _____	\$	\$

G. SECTION 7 – CART FLIPPER

Annual Est. Qty.	U/M	Description	Delivery Days ARO	Unit Cost	Extension
2	EA	Mfg. _____ Model: _____ Warranty Period: _____		\$	\$

H. SECTION 8 - LAPTOP COMPUTER AND DIAGNOSTIC TOOLS

Annual Est. Qty.	U/M	Description	Delivery Days ARO	Unit Cost	Extension
2	EA	Mfg. _____ Model: _____ Warranty Period: _____		\$	\$

TOTAL SECTIONS 1-8: \$_____

II. SPECIFIC PROVISIONS

A. QUESTIONS AND COMMENTS

Questions and comments regarding this bid must be submitted in writing to City of San Diego, Purchasing & Contracting Department, ATTN: Beverly Asbill-Gumbs, 1200 Third Avenue, Suite 200, San Diego, CA 92101; or by fax to (619) 533-3225; or by e-mail to BAsbillGumbs@sandiego.gov, no later than 5:00 p.m. on Friday, July 10, 2009.

B. PRICING

Prices quoted shall include all delivery charges, and shall be FOB Destination to the delivery point:

General Services, Fleet Services
2740 Caminito Chollas
San Diego, CA 92105-5039

C. AWARD

This bid shall be awarded on an item by item basis, or in any group or combination of items, or as a lot, to the most responsive and responsible Bidder whose bid best conforms to the Request for Bid (RFB) and is most advantageous to the City of San Diego ("City"), as may be in the best interest of the City, all factors considered (as specified in Section II, paragraph B).

D. AWARD EVALUATION

Evaluating criteria will include, but are not limited to the following:

1. Total vehicle cost.
2. Ability to meet all bid specifications as designated.
3. Warranty.
4. Previous experience providing similar vehicles to local governments.
5. Ability to meet vehicle delivery schedule.

E. ORDERING

- Pricing Page - Sections 1 and 2

The City anticipates that orders will be placed throughout the contract period and the estimated total quantities are based on past experience. The City reserves the right to order all of one (1) type of refuse packer or any combination of the types, as may be in its best interest.

F. SUBMITTALS

1. BID SUBMITTAL

Bids must be returned in a sealed envelope to the Purchasing & Contracting Department, 1200 Third Avenue, Suite 200, San Diego, CA 92101. The bid number and closing date/time must be referenced on the outside of the envelope (lower left corner). Bids must be received by the Purchasing & Contracting Department Reception Desk prior to bid closing at 3:00 p.m. on bid closing date. Faxed bids will not be accepted.

The original and two (2) copies of bid, including any attachments, shall be submitted.

2. SUBMITTALS REQUIRED WITH BID

Failure to provide the required submittals with the bid shall be cause for the bid to be rejected as non-responsive.

- a. Bidder's References (as specified in Section II, paragraph O).
- b. Bidder's Statement of Subcontractors (as specified in Section II, paragraph O).
- c. Bidder's Statement of Financial Responsibility (as specified on Section II, paragraph O).
- d. Contractor Standards (as specified in Section II, paragraph R).
- e. Warranty Acknowledgement Form (as specified in Section III, paragraph E).
- f. Copy of Manufacturer's Warranty for all equipment (as specified in Section III, paragraph E).
- g. Copy of Extended Warranty if applicable (as specified in Section III, paragraph F).
- h. Equipment Specification Brochure (as specified in Section III, paragraph I).
- i. Equipment Specifications Checklist (as specified in Section III, paragraph J).
- j. NOX and Particulate Matter Standards (as specified in Section III, paragraph N).
- k. Performance SCAAN Summary (as specified in Section III, paragraph Q).
- l. Vendor Registration (use form on pages 75-76).

3. SUBMITTALS REQUIRED UPON PROVISIONAL AWARD

Failure to provide the following documentation within the time period specified may be cause for the provisional award to be voided and the bid to be rejected as non-responsive.

- a. Insurance Requirements as specified in City of San Diego General Provisions, Section II, paragraph I, if not currently on file.
- b. Taxpayer Identification Number (W-9) as specified in City of San Diego General Provisions, Section C, paragraph 15, if not currently on file.
- c. Business Tax License as specified in Section II, paragraph Q, if not currently on file.
- d. Work Force Report (use form on pages 77-82).

G. OPTION TO RENEW

The City reserves the option to renew the contract for four (4) additional one (1) year periods under the terms and conditions of the current contract beginning on the anniversary of the commencement of contract. The renewal is contingent on a mutual agreement between the City and the Contractor with such agreement to be confirmed sixty (60) days prior to the expiration of the contract period. Either the City or the Contractor may decline to confirm the renewal of the contract for any reason whatsoever, which shall render the renewal option null and void.

The City's initial letter offering the Bidder an opportunity to renew the contract does not constitute an award of the option period. Any option acceptance must be confirmed by the City, in writing, before it becomes valid.

Bidder shall indicate the maximum percentage increase to which the prices in effect at the end of the current contract year would be subject if the renewal options were exercised. _____%

Failure to submit or complete the price increase section above will be construed to mean that prices bid will not be increased during any option period. The City will not grant an option, if the Contractor requests a price increase which exceeds above stated percentage. If a price increase is requested, the Contractor must provide detailed supporting documentation to justify the requested increase. The requested increase will be evaluated by the City, and the City reserves the right to accept or reject such request.

This section will not be considered in the evaluation for award.

The City may also desire to extend a contract on a month-to-month basis upon expiration of the current contract period under the terms and conditions of the current contract unless modified in writing. The renewal is contingent on a mutual agreement between the City and the Contractor with such agreement to be confirmed in writing prior to the expiration of the contract period.

H. PRICE ADJUSTMENT CLAUSE FOR OPTION RENEWAL

In the event the Contractor does not request a price increase at the time of the contract renewal, and the Manufacturer subsequently announces a general increase in the price of their products, the Contractor may request an increase at that time. The Contractor must provide detailed supporting documentation from the Manufacturer to support the requested increase. The requested increase shall not exceed the percentage increase indicated in the "Option to Renew" clause.

I. INSURANCE REQUIREMENTS (FOR TRAINING ONLY)

Insurance. The successful Bidder (Bidder) shall not begin any work under this contract until it has: (a) obtained, and upon the City's request provided to the City, insurance certificates reflecting evidence of all insurance required in below; however, the City reserves the right to request, and the Consultant shall submit, copies of any policy upon reasonable request by the City; (b) obtained City approval of each insurance company or companies; and (c) confirmed that all policies contain the specific provisions required below. Bidder's liabilities, including but not limited to Bidder's indemnity obligations, under this contract, shall not be deemed limited in any way to the insurance coverage required herein. Maintenance of specified insurance coverage is a material element of this contract and Bidder's failure to maintain or renew coverage or to provide evidence of renewal during the term of this contract may be treated as a material breach of contract by the City. The Bidder shall not modify any policy or endorsement thereto which increases the City's exposure to loss for the duration of this contract.

Types of Insurance. At all times during the term of this contract, the Bidder shall maintain insurance coverage as follows:

Commercial General Liability. Commercial General Liability (CGL) Insurance written on an ISO Occurrence form CG 00 01 07 98 or an equivalent form providing coverage at least as broad which shall cover liability arising from any and all personal injury or property damage in the amount of \$1,000,000.00 (one million) per occurrence and subject to an annual aggregate of \$2,000,000.00 (two million). There shall be no endorsement or modification of the CGL limiting the scope of coverage for either insured versus insured claims or contractual liability. All defense costs shall be outside the limits of the policy.

Workers' Compensation. For all of the Bidder's employees who are subject to this contract and to the extent required by the applicable state or federal law, the Bidder shall keep in full force and effect, a Workers' Compensation policy. That policy shall provide a minimum of \$1,000,000.00 (one million) of employers' liability coverage, and the Bidder shall provide an endorsement that the insurer waives the right of subrogation against the City and its respective elected officials, officers, employees, agents and representatives.

Deductibles. All deductibles on any policy shall be the responsibility of the Bidder and shall be disclosed to the City at the time the evidence of insurance is provided.

Acceptability of Insurers. Except for the State Compensation Insurance Fund, all insurance required by this Contract or in the Special General Conditions shall only be carried by insurance companies with a rating of at least “A-, VI” by A.M. Best Company, that are authorized by the California Insurance Commissioner to do business in the State of California, and that have been approved by the City.

The City will accept insurance provided by non-admitted, “surplus lines” carriers only if the carrier is authorized to do business in the State of California and is included on the List of Eligible Surplus Lines Insurers (LESLI list). All policies of insurance carried by non-admitted carriers are subject to all of the requirements for policies of insurance provided by admitted carriers described herein.

Required Endorsements. The following endorsements to the policies of insurance are required to be provided to the City before any work is initiated under this contract.

Commercial General Liability Insurance Endorsements

ADDITIONAL INSURED. To the fullest extent allowed by law including but not limited to California Insurance Code Section 11580.04, the policy or policies must be endorsed to include as an Insured the City of San Diego and its respective elected officials, officers, employees, agents and representatives with respect to liability arising out of (a) ongoing operations performed by you or on your behalf, (b) your products, (c) your work, including but not limited to your completed operations performed by you or on your behalf, or (d) premises owned, leased, controlled or used by you.

PRIMARY AND NON-CONTRIBUTORY COVERAGE. The policy or policies must be endorsed to provide that the insurance afforded by the Commercial General Liability policy or policies is primary to any insurance or self-insurance of the City of San Diego and its elected officials, officers, employees, agents and representatives as respects operations of the Named Insured. Any insurance maintained by the City of San Diego and its elected officials, officers, employees, agents and representatives shall be in excess of Bidder’s insurance and shall not contribute to it.

SEVERABILITY OF INTEREST. The policy or policies must be endorsed to provide that the Bidder’s insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer’s liability and shall provide cross-liability coverage.

Automobile Liability Insurance Endorsements

ADDITIONAL INSURED. To the fullest extent allowed by law including but not limited to California Insurance Code Section 11580.04, the policy or policies must be endorsed to include as an Insured the City of San Diego and its respective elected officials, officers, employees, agents and representatives with respect to liability arising out of automobile owned, leased, hired or borrowed by or on behalf of the Bidder.

SEVERABILITY OF INTEREST. The policy or policies must be endorsed to provide that Bidder's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability and shall provide cross-liability coverage.

Worker's Compensation and Employer's Liability Insurance Endorsements

WAIVER OF SUBROGATION. The Worker's Compensation policy or policies must be endorsed to provide that the insurer will waive all rights of subrogation against the City and its respective elected officials, officers, employees, agents and representatives for losses paid under the terms of this policy or these policies which arise from work performed by the Named Insured for the City.

Reservation of Rights. The City reserves the right, from time to time, to review the Bidder's insurance coverage, limits, deductible and self-insured retentions to determine if they are acceptable to the City. The City will reimburse the Bidder for the cost of the additional premium for any coverage requested by the City in excess of that required by this contract without overhead, profit, or any other markup.

Additional Insurance. The Bidder may obtain additional insurance not required by this contract.

Excess Insurance. All policies providing excess coverage to the city shall follow the form of the primary policy or policies including but not limited to all endorsements.

J. WARRANTY BOND

A Warranty Bond shall be submitted by the successful Bidder, upon receipt of an order, in an amount equal to ten percent (10%) of the total award, and shall remain in full force and effect for a minimum period of one (1) year after date each unit is placed into active service or for the total length of warranty provided, whichever is greater. This bond shall be for the purpose of bringing up to specifications any deficiencies the manufacturer fails to repair or correct per these specifications and also to insure prompt compliance with any and all aspects of the guarantee. If within this period any repairs or replacements in connection with the equipment are, in the opinion of the City of San Diego, deemed necessary as a result of the manufacturer's use of inferior or defective materials, equipment or workmanship, the manufacturer shall, upon receipt of notice and without any expense to the City of San Diego, take action to properly repair, replace, or correct any and all such defects therein. If the manufacturer, after such notice, fails within forty-eight (48) hours of notification, to proceed with the terms of this warranty and guarantee, the City of San Diego may move to effect the necessary corrections, repairs, and replacements and recover all expenses from the manufacturer. Forfeiture of the Warranty Bond will result should the manufacturer fail to pay for these expenses.

K. LIQUIDATED DAMAGES

Time is of the essence, and should delivery not be completed on or before the time stipulated, it is mutually agreed and understood by and between the successful Bidder and the City of San Diego that:

A delay would affect the public and the operation of the City of San Diego; that a reduction in the unit price of one thousand dollars (\$1,000.00) per calendar day for each and every day for each unit which exceeds the delivery time set forth in the contract is the nearest measure of damages for such delay that can be fixed at this time; therefore, the City and the successful Bidder hereby establish said reduction in the unit price of one thousand dollars (\$1,000.00) per calendar day for each and every day of delay for each unit as liquidated damages and not as a penalty or forfeiture for the breach of agreement to complete delivery by the successful Bidder on or before the time specified in the contract.

Liquidated damages shall not apply to time elapsing between date of delivery and date of notification to the successful Bidder of rejection of sub-specification material.

The above conditions may be invoked if deliveries exceed the specified time or if replacement of material not meeting specifications exceeds the specified time.

Should the Contractor be obstructed or delayed in the work required to be done hereunder by changes in the work or by default, act, or omission of the City, or by strikes, fire, act of God, or by the inability to obtain materials, equipment, or labor due to Federal Government restrictions arising out of the defense or war program, then the time of completion shall be extended for such period as may be agreed. Should there be insufficient time to grant such extensions prior to completion date of the contract, the City may, at the time of acceptance of the work, waive liquidated damages which may have accrued for failure to complete on time, due to any of the above reasons, after hearing evidence as to the reasons for such delay.

L. EQUALS CLAUSE

Whenever reference to a specific brand name is made in these specifications, it is illustrative and to be construed as a specification which describes a component that has been tested or evaluated by the City as best meeting specific operational, design, performance, maintenance, quality, and reliability standards and requirements of the City, thereby incorporating these requirements by reference within the specification. An equivalent ("or equal") may be offered by the Bidder, subject to testing or evaluation by the City prior to award of bid. The City shall be the sole judge of whether any proposed item will fulfill its requirements. It shall be the sole responsibility of the Bidder to provide, at Bidder's expense, any product information, test data, and other information or documents the City may require to fully evaluate or demonstrate the acceptability of the offered substitute. Where appropriate, independent testing or evaluation (including destructive testing) may be required as a condition of acceptance at a qualified test facility at the Bidder's expense.

M. QUANTITIES

The estimated requirements shown on the Pricing Page(s) will vary with the demands of the City of San Diego. These quantities are listed for information purposes only and shall not be deemed to either guarantee a minimum amount or restrict the maximum amount to be delivered throughout the contract period. Nor shall any variations from the estimated quantities, regardless of extent, entitle the Bidder to an adjustment in the unit price or to any other compensation.

N. RECYCLED MATERIAL CONTENT

City Council Policy No. 100-14 allows for a \$5,000.00 price preference per contract for products which are made partially or fully from recycled material(s). This preference will be applied during the bid evaluation for each contract. Please submit proof, such as a Recycled Material Certificate, Material Safety Data Sheet, or other with your bid.

Please specify the recycled material and the percentage of recycled material used (if any) in the product bid:

Type of recycled material: _____

Percent of recycled material used: _____

O. REFERENCES/QUALIFICATIONS

Bidders are required to demonstrate successful performance for work of similar size and scope as specified in this contract during the past three (3) years. Bidders must also demonstrate that they are properly equipped to perform the work as specified in this contract.

To enable the City to evaluate the responsibility, experience, skill, and business standing of the Bidder, the following documents must be included with the bid submittal:

1. Bidder's References (use form on pages 70-71).
2. Bidder's Statement of Subcontractors (use form on page 72).
3. Bidder's Statement of Financial Responsibility (use form on page 74).

P. GENERAL PROVISIONS

Except as otherwise specified herein, the City of San Diego General Provisions, dated January 3, 2005, (on file in the Office of the Purchasing Agent) are incorporated as part of this bid and any resulting contract by reference. The General Provisions are available online at www.sandiego.gov/purchasing or via request from the Purchasing & Contracting Department by calling (619) 236-6000.

By signing and/or authorizing the bid submittal, the Bidder/Proposer acknowledges that they have read and understood the meaning, intent and requirements of said General Provisions; and acknowledge said General Provisions are included as a part of this bid.

Q. BUSINESS TAX LICENSE

Any company doing business with the City of San Diego is required to comply with Section 31.0301 of the San Diego Municipal Code regarding Business Tax. For more information please visit the City of San Diego website at www.sandiego.gov/treasurer/ or call (619) 615-1500.

The City requires that each vendor to provide a copy of their Business Tax License, or a copy of their application receipt. Failure to provide the required documents within ten (10) business days of the City's request may result in a Bid being declared non-responsive and rejected.

R. CONTRACTOR STANDARDS

This bid is subject to the Contractor Standards clause of the Municipal Code, Chapter 2, Article 2, Division 32 adopted by Ordinance No. O-19383. All Bidders are required to complete the Contractor Standards Pledge of Compliance included in this Request for Bid (use form on pages 83-87). The Contractor Standards are available online at www.sandiego.gov/purchasing/vendor/index.shtml or by request from the Purchasing & Contracting Department by calling (619) 236-6000.

S. NONDISCRIMINATION IN CONTRACTING

Contractor shall not discriminate on the basis of race, gender, religion, national origin, ethnicity, sexual orientation, age, or disability in the solicitation, selection, hiring or treatment of subcontractors, vendors or suppliers. Contractor shall provide equal opportunity for subcontractors to participate in subcontracting opportunities. Contractor understands and agrees that violation of this clause shall be considered a material breach of the contract and may result in contract termination, debarment, or other sanctions. This language shall also be included in construction contracts between the contractor and any subcontractors, vendors, and suppliers.

As part of its bid proposal, Bidder shall provide to the City a list of all instances within the past ten (10) years where a complaint was filed or pending against Bidder in a legal or administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors, or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.

Upon the City's request, Contractor agrees to provide to the City, within sixty (60) calendar days, a truthful and complete list of names of all subcontractors, vendors, and suppliers that Contractor has used in the past five (5) years on any of its contracts that were undertaken within San Diego County, including the total dollar amount paid by contractor for each subcontract or supply contract. Contractor further agrees to fully cooperate in any investigation conducted by the City pursuant to the City's Nondiscrimination in Contracting Ordinance (Municipal Code Sections 22.3401 - 22.3417). Contractor understands and agrees that violation of this clause shall be considered a material breach of the contract and may result in remedies being ordered against the contractor up to and including contract termination, debarment, and other sanctions for violation of the provisions of the Nondiscrimination in Contracting Ordinance. Contractor further understands and agrees that the procedures, remedies, and sanctions provided for in the Nondiscrimination Ordinance apply only to violations of said Nondiscrimination Ordinance.

For questions regarding the City's Nondiscrimination in Contracting Ordinance, contact the Equal Opportunity Contracting Office at (619) 533-4464.

T. EXPECTATIONS OF ETHICAL BUSINESS CONDUCT

The City's Expectations of Ethical Business Conduct requirements are incorporated into this bid and any resulting contract (reference Attachment A).

III. GENERAL REQUIREMENTS

A. PRE-PRODUCTION MEETING

Subsequent to award of this bid, Contractor shall hold a Pre-Production Meeting with City Representatives at the City of San Diego Environmental Services Department, located at 8353 Miramar Place, San Diego, CA 92121-2511. The purpose of the meeting is to establish design finalization of the vehicles as specified in Sections IV through VI.

B. VEHICLE/EQUIPMENT REGISTRATION AND LICENSE PLATES

The Vendor shall obtain the exempt registration and license plates.

The legal registration title shall be as follows:

City of San Diego
Fleet Services
1200 Third Avenue, Suite 200
San Diego, CA 92101-4195

City Equipment I.D. No. _____

Prior to applying for Exempt “E” license plates, the Vendor shall contact the City’s Equipment Coordinator at (619) 527-7571 to obtain a City of San Diego Equipment identification number for each vehicle/equipment. This number must appear on the final registration certificate.

Some vehicles/equipment may be purchased via the City’s Equipment and Vehicle Financing Program. These vehicles will require that the Vehicle Financing Program Provider be listed as Lien holder on vehicle/equipment registration. Contact the Fleet Services Engineer at (619) 527-7561 for Lien holder verification.

A facsimile of the registration card shall be inserted in the registration holder and each holder shall be attached inside the vehicle/equipment. The location and method of attachment of the registration holder to the vehicle/equipment shall be approved by the Fleet Services Engineer prior to installation.

The original registration card shall be included with the warranty documents upon delivery of each vehicle/equipment to the City. These documents shall be contained in a document delivery envelope.

The license or identification plates shall be installed prior to delivery of each vehicle/equipment.

C. DELIVERY

The City is seeking a projected timeline for delivery of approximately one hundred eighty (180) calendar days from receipt of order. Failure to provide delivery of vehicle within this specified timeline or the timeline offered and accepted by the City upon award, may result in the enforcement of Liquidated Damages in accordance with Section II, paragraph L.

To optimize Fleet Services labor requirements, all deliveries shall be scheduled in advance. The successful Bidder, upon receipt of City Purchase Order or Equipment and Vehicle Financing Program Order Letter, and prior to submittal of factory order, shall contact the Fleet Services Engineer at (619) 527-7561 to establish delivery intervals.

The equipment shall be delivered complete and ready for operation. It shall be new and the latest model and, except as otherwise specified, be standard in all respects. It shall have all the usual equipment and features as shown by current Manufacturer's catalogs. It shall be fueled and completely lubricated, and all pre-delivery services shall have been performed.

The complete units shall be delivered FOB destination to the Fleet Services, General Services Department, 2740 Caminito Chollas, San Diego, CA 92105-5039. Delivery time is Monday through Friday, 10:00 a.m. to 3:00 p.m.

The City will not pay for any equipment that is not delivered as specified in the bid. Conformity to bid specification and the subsequent acceptance date will be determined by the Fleet Services Engineer. Payment terms will be based on date of acceptance by the City.

D. EQUIPMENT AND VEHICLE FINANCING PROGRAM

The City reserves the right to make a direct purchase of proposed equipment, or to arrange financing under the City's Equipment and Vehicle Financing Program.

If the City chooses to utilize its Equipment and Vehicle Financing Program, the successful Bidder shall sell the equipment to the City's lessor under the same terms and conditions offered to the City. (See Attachment A.)

E. WARRANTY

All equipment shall have the regular Manufacturer's guarantees against defects in material and workmanship. The guarantee shall have the standard Manufacturer's warranty. In no case shall coverage be less than twelve (12) months after the equipment is deemed completely operational in accordance with all bid specifications and is placed in service. Where a standard Manufacturer warranty exceeds a period of one (1) year, this warranty shall be provided to the City.

The following components shall have a minimum warranty of two years: radiator, steering gear box, air compressor and air dryer.

If within this one (1) year period any repairs or replacements in connection with the refuse packer are, in the opinion of the City, deemed necessary as a result of the Manufacturer's use of inferior or defective materials, equipment, or workmanship, the Manufacturer shall, upon receipt of notice and without expense to the City, take action to properly repair, replace, or correct any and all such defects therein.

Upon provisional award, the successful Bidder shall establish and deliver to the City a one (1) year service contract with an approved local warranty service facility. Contractor shall furnish written verification of the local warranty service facility contract upon notice of provisional award. Contract and service facility shall have prior approval of the Deputy Director, General Services/Fleet Services.

In the event of a breakdown or failure of the equipment during the warranty period and upon receipt of notice (written or verbal) from the City, Contractor shall take satisfactory action to effect repair or replacement of affected parts within forty-eight (48) hours beginning on the following work day.

Transportation of the equipment from any City of San Diego Station, or place of breakdown, to the warranty service facility for warranty work and back, shall be the responsibility of the Contractor. This includes towing when necessary. If the City must have the equipment towed for reasons of security or safety, the Contractor shall be responsible for all costs. This towing provision includes manufacturer warranties and emission component warranties that exceed the minimum requirement of twelve (12) months.

Bidder (and any applicable Subcontractors) shall complete the Warranty Acknowledgement Form and submit with bid for each item bid (use form on page 73).

Bidders shall submit a copy of the Manufacturer's warranty for all equipment with bid. If any Manufacturer warranty conflicts with these specifications, these specifications shall prevail as may be in the best interest of the City.

F. OPTIONAL EXTENDED REFUSE BODY WARRANTY

The City requests all Bidders to submit an optional price extending the existing one (1) year refuse body warranty excluding sales taxes, for six (6) additional years (seven (7) years total). Bids not offering the extended warranty will still be considered for award. The cost of optional refuse body warranty will not be evaluated in the award. The optional warranty shall be available for purchase any time during the initial warranty period offered. Minimum terms and conditions of the additional six (6) year warranty are as follows:

1. Items covered under additional six (6) year warranty shall include:

- All hydraulic cylinders, pumps, and valves.

2. Items not covered under six (6) year warranty:

- a. All body related electrical components.
- b. All hydraulic hoses.

In addition to the items listed, the packer blade, guides, shoes, wear strips, and hopper floor shall be warranted including normal wear and tear for the entire six (6) year period.

Repairs made under the extended body warranty shall be made at the City of San Diego Repair Facility located on Miramar Place. If the vehicle must be transported more than ten (10) miles, the Bidder shall be required to pay all transportation costs associated with the transport of the vehicle.

Bidders shall submit with their bid documentation indicating the terms and conditions of any extended warranty offered.

G. PARTS STIPULATION

The successful Bidder shall ensure adequate and continued parts support for the useful life of the equipment. The successful Bidder shall provide access to proprietary parts for the equipment for a period of not less than five (5) years from the last delivery of the equipment. Parts must be available in San Diego County and/or received by the City of San Diego within forty-eight (48) hours from placement of the order.

Parts shall include, but not be limited to, those for the cab and chassis and related components such as engine, transmission, suspension, and brakes. Additionally, all proprietary consumable and wear parts for the equipment and its related components shall be included.

It is the intent of the City to have a full complement of fast moving spare parts in stock prior to the first delivery of the equipment. The successful Bidder shall provide the City with a recommended minimum stock parts list for the equipment within forty-five (45) days of award of contract.

Failure to comply with these stipulations may result in the termination of this contract by the City.

H. KEYS

All locks on delivered equipment shall be operable with one (1) key. Ignition switch shall be keyed to Briggs & Stratton C-250 code. Five (5) cab door-keys per unit shall be provided upon delivery. All vehicles in this series shall be keyed alike.

I. EQUIPMENT SPECIFICATION BROCHURE

Each Bidder shall furnish, as a part of the bid, manufacturing specification brochures clearly describing the equipment they propose to furnish. These accompanying documents shall clearly indicate all points specified herein. **Failure to provide brochures may cause the bid to be rejected as non-responsive.**

J. EQUIPMENT SPECIFICATIONS CHECKLIST

Each Bidder shall furnish, as a part of the bid, the specifications checklist. The Bidder shall insert a "X" (checkmark) in the box labeled "Meets Specifications" or in the box labeled "Exceptions". If Bidder inserts a checkmark in the box labeled "Exceptions", any exceptions and/or deviations from the specifications must be clearly stated. Any exceptions will be evaluated and may be basis for rejection if they are found to be detrimental to the operation of the City. Attach additional information regarding exceptions and/or deviations if necessary. The specifications checklist shall be completed in its entirety. **Failure to provide a complete, accurate Equipment Specifications checklist may cause the bid to be rejected as non-responsive.**

K. EQUIPMENT DEMONSTRATION

Bidders may be required, at Bidder's expense, to demonstrate their proposed equipment for a minimum of five (5) days in the City of San Diego prior to awarding the contract. Equipment provided for the demonstration must be deemed by the City to be comparable to the equipment specified in the bid. Bidders will not be reimbursed for any costs incurred. The City shall be the sole judge of the suitability and acceptability of any equipment proposed or demonstrated. Demonstration equipment shall be provided within ten (10) calendar days from request.

Demonstrations for each truck shall include but not be limited to the following:

1. Ability to pick-up and dump a rate of no less than 120 containers per hour continuously for a minimum of ten (10) continuous hours daily.
2. Ability to pick-up and dump containers ranging in sizes from 32 to 96 gallons.
3. Ability to pick-up and dump containers for a minimum of 1,000 to a maximum of 1,200 service stops per day on street slopes up to 24°.

L. LABELS

All signs and labels required by ANSI, OSHA, and DOT shall be affixed.

M. CODE COMPLIANCE

All equipment delivered under these specifications shall comply with all applicable provisions of Federal Motor Vehicle Standards and California Vehicle Codes.

N. ENGINE EMISSIONS REQUIREMENTS

The engine provided shall conform to the latest Federal and State regulations including but not limited to Environmental Protection Agency (EPA) and California Air Resources Board (CARB) Emissions Regulations. Bidder shall provide with their bid copies of the NOX & Particulate Matter (PM) standards to which the engine is certified.

O. CHANGES IN EMISSIONS REQUIREMENTS

The City acknowledges that State and/or Federal emissions requirements that are applicable to this contract may change at any time during this contract and such changes may include equipment and/or equipment upgrades to the specifications herein. The Contractor shall be responsible for immediately notifying the City in writing of any State and/or Federal changes in emissions requirements occur. In cases where these changes require a price increase, the Contractor shall notify the City immediately of such increase in writing and shall provide detailed supporting documentation to justify the requested increase. The Contractor must include details of any special equipment and/or equipment upgrades that are mandated for installation as a result of the change in emissions requirements. The requested increase will be evaluated by the City, and the City reserves the right to accept or reject.

P. FEDERAL EXCISE TAX

The City of San Diego is exempt from Federal Excise Tax and will furnish an exemption certificate upon request.

Q. PERFORMANCE SUMMARY

A performance summary SCAAN shall be submitted with the bid. This report shall be issued by the transmission manufacturer.

R. MANUFACTURERS CERTIFIED TRAINING CLASSES

Manufacturers certified training shall be provided by a qualified instructor. Training shall be conducted at a designated City facility. The City will not pay any cost incurred by the successful Bidder in providing training. The successful Bidder shall be required to conduct training as follows:

1. Packer Body Training

- a. Two (2) eight (8) hour workdays of instruction for City mechanics.
- b. Two (2) eight (8) hour workdays of instruction for City equipment operators.

2. Cab & Chassis Training

- a. Three (3) eight (8) hour workdays for City mechanics.
Topics shall include: (1) engine familiarization covering topics such as fuel system, engine diagnostics, installation of gas injectors (if applicable), and hands-on diagnostics; and (2) transmission trouble shooting and diagnostics of electronic shift control system.

S. APPROVAL DRAWING

1. Drawings of the proposed refuse packer shall be provided for approval before construction begins.
2. Drawings shall include the following data: Make Model of all chassis and body components, all external dimensions and weight distribution on all axles in both an un laden fully loaded state.

T. PERFORMANCE TESTS AND REQUIREMENTS

All trucks delivered will be road tested before acceptance. A road test will be conducted with the truck fully loaded. A continuous run of fifty (50) miles or more will be made under all driving and load conditions, during which time the truck shall show no loss of power or overheating. The drive line shall run quietly and be free from vibration or noise throughout the operating range of the truck.

The truck, when fully loaded, must be capable of thirty-four percent (34%) gradability at eighty percent (80%) torque converter efficiency, at a speed of not less than four (4) miles per hour. Note: thirty-four percent (34%) gradability equals 19° slope.

The truck startability, fully loaded, on dry paved street shall exceed forty-four percent (44%) gradability. Note: forty-four percent (44%) gradability equals 24° slope.

The truck, fully loaded, shall be capable of attaining a highway speed consistent with the performance profile (SCAAN) submitted with the bid.

U. FAILURE TO MEET TESTS AND REQUIREMENTS

In the event a truck fails to meet the test requirements on the first trials, then at the City's option, second trials may be made within thirty (30) calendar days of the first trials. Such trials shall be final and conclusive, and failure to comply with these requirements may be cause for contract termination if equipment fails to meet any of these specifications.

V. MANUALS AND TECHNICAL INFORMATION

One (1) complete and accurate copy for each unit delivered of the following items shall be furnished at the time first vehicle is delivered.

1. Shop maintenance manual, illustrated engine repair, and troubleshooting manual.
2. Transmission repair and troubleshooting manual.
3. Chassis repair and troubleshooting manual.
4. Air brake piping diagram including color-coding, shall show all components applicable to equipment furnished.
5. Operator's manual.
6. Certified weight slip.
7. Shop maintenance manual for body equipment.
8. Illustrated parts book, all OEM part numbers and only those parts pertaining directly to these bodies.
9. Complete wiring diagrams shall be provided with the vehicle, including one (1) 36" x 44" laminated set of "E" electrical wiring prints.

W. VIDEO/CD-R TRAINING GUIDES

Four (4) pre-recorded DVD or CD programs shall be provided upon delivery, two (2) from the chassis manufacturer and two (2) from the body/arm builder. These programs shall explain in detail the operations, maintenance procedures, and points of lubrication for the equipment bid.

X. COMPONENT SUBSTITUTION AND MOUNTING STIPULATION

All packer components and component mounting locations pertaining to the cab and chassis, drive line, suspension and running gear, electrical, and packer body, shall be standardized for all vehicles provided to the City under the terms of this bid. Changes in the components supplied or the component mounting location shall be submitted to the Fleet Services Engineer in writing for review of compatibility with the current equipment specifications. The City shall be the sole judge in approving or rejecting the proposed changes. Changes shall be compatible with existing equipment bid. All units per order shall be from the same production run.

IV. SPECIFICATIONS CHECKLIST FOR ALL REFUSE PACKERS

It is the intent of these specifications to describe a high quality and high performing truck cab and chassis complete with body required for refuse collection. Individual specifications for each type of refuse packer are outlined in Sections V and VI. These refuse packers are expected to perform in ambient temperatures that often reach 110° F. The terms “high quality” and “high performing” shall be interpreted to mean that the equipment shall exceed the usual quality, operational capacity, or functionality of standard equipment and shall be able to withstand unusual strain, exposure, temperature, wear, and use.

Completed unit shall conform to all requirements of the California Motor Vehicle Code. Code requirements shall include, but not be limited to the following:

1. Gross vehicle weight requirements.
2. Bridge formula weight requirements.
3. Legal axle weight requirements.

☐ Meets Specifications or ☐ Exceptions: _____

A. GROSS VEHICLE WEIGHT RATING

GVWR shall be a minimum of 60,000 lbs.

GVWR Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

B. ENGINE AND EQUIPMENT

The engine shall be diesel fueled, turbo charged, four (4) cycle, and wet sleeve design. The engine shall be rated at a minimum S.A.E. gross horsepower of 305 at 1,800 RPM. The engine shall be rated at a minimum S.A.E gross torque of 1000 foot-lbs. at 1,100 RPM. Torque rise shall be a minimum of twenty-two percent (22%).

Horsepower Offered: _____ at 1,800 RPM

Gross Torque Offered: _____ at 1,100 RPM

Torque Rise Offered: _____ %

☐ Meets Specifications or ☐ Exceptions: _____

Engine equipment shall include the following:

1. Oil filter, full flow spin-on type.

☐ Meets Specifications or ☐ Exceptions: _____

2. Fuel Filter, spin on type.

☐ Meets Specifications or ☐ Exceptions: _____

3. Exhaust system vertical muffler and exhaust pipe with heat guard mounted on left side at rear of cab in compliance with Vehicle Code 27152. The entire exhaust system shall be approved by the engine Manufacturer, and shall meet all noise requirements set forth in the California Vehicle Code.

☐ Meets Specifications or ☐ Exceptions: _____

4. Engine specified shall incorporate the maximum heavy-duty cooling system available OEM.

☐ Meets Specifications or ☐ Exceptions: _____

5. Cooling system specified shall be provided with extended life coolant.

☐ Meets Specifications or ☐ Exceptions: _____

6. Engine shutdown shall be automatic and shall operate on high water temperature, low oil pressure, and low water level. Shutdown shall be Kysor or equal.

Manufacturer: _____

☐ Meets Specifications or ☐ Exceptions: _____

7. Shall have heavy-duty replacement dry air cleaner and shall be matched to provide maximum engine air intake and minimum air restriction and shall be approved by the engine Manufacturer. All intake tubing/plumbing shall be corrosive and moisture resistant stainless steel, or equal. An air restriction indicator shall be located in cab.

☐ Meets Specifications or ☐ Exceptions: _____

C. FUEL TANK

The diesel fuel tank shall be of aluminum construction and a minimum of 60 U.S. gallons total capacity, mounted on left side of vehicle, and shall not interfere with the body installation.

Capacity Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

D. ENGINE COOLING

The cooling system shall be so designed that the circulating coolant water at the top of the radiator will not rise above Manufacturers suggested operating temperature when operating under maximum load, speed or grade, regardless of ambient temperature. The cooling system shall be equipped with a thermostat to maintain proper temperature of the coolant when operated continuously over twelve (12) hour work cycle, under load, road speed, or grade, regardless of outside ambient temperature.

☐ Meets Specifications or ☐ Exceptions: _____

E. POWER STEERING

Power steering shall be provided. Steering effort shall not exceed 150 inch-lbs. measured at the steering column with a fully loaded front axle, rated tire pressure, on dry brushed concrete and at a rate of one (1) turn per second. Single gear type shall be provided.

Steering Effort Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

F. STEERING WHEEL CLEARANCE

Driver steering wheel shall have a minimum of 4" clearance around the outer radius of wheel to prevent interference with cab equipment, including but not limited to boarding handles and steering wheel.

Driver Steering Wheel Clearance Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

G. TURNING DIAMETER

Operating conditions of the equipment specified, including but not limited to cul-de-sacs, narrow streets, steep grades, and other confining parameters shall dictate the maximum maneuverability that shall be provided. Maneuverability will be an important factor in the selection process with preference given to those vehicles with the highest degree of maneuverability as measured by turning diameter.

The unit specified shall have a maximum turning diameter of 71'. This dimension shall be the "wall to wall" diameter as measured from the corner of the front bumper, tracing a 360° circle.

Maximum Turning Diameter Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

H. FRONT SUSPENSION

The front suspension shall be taper leaf/parabolic design. Spring capacity shall be rated 20,000 lbs. minimum. Shock absorbers shall be provided.

☐ Meets Specifications or ☐ Exceptions: _____

I. CHASSIS CONSTRUCTION

The frame shall be constructed of steel having a yield strength of not less than 100,000 lbs. per square inch. The basic frame shall have a channel cross section. The frame shall have a minimum R.B.M. of 1,969,000 inch-lbs. per rail. If reinforcement is required to obtain this R.B.M., the reinforcement cross-section shall be an inverted "L" or full channel. Fish plating is not acceptable.

☐ Meets Specifications or ☐ Exceptions: _____

J. BRAKE EQUIPMENT

1. Service Brakes

Shall be full air brakes of the "S-CAM" design with automatic slack adjusters, Bendix ASA-5, or equal. The system shall include an air compressor rated at 12 CFM minimum. An air dryer, Bendix System Guard AD-9, or equal, shall be installed ahead of the first air tank. Air tank drains shall be remote mounted with manual petcocks, to a central manifold for easy access behind left front tire area and have the ability to drain each tank individually. Air lines shall be color-coded continuously throughout each individual circuit, and color-coding shall be visible with 6" of each connection of tie-down clamp. All rubber hoses shall be free of paint. All flex air lines to brake chambers shall be wire-braded. Brakes shall be the maximum size offered OEM, minimum 16-1/2 x 7" front and 16-1/2 x 8-5/8" rear.

The air compressor shall be plumbed to the clean side of the air intake system. Anti-Lock Braking shall be provided. Brake pedal shall be conveniently located at both operator locations for easy access and driver comfort. If the steering column is located in the drivers foot well, and only one (1) brake pedal is offered, it shall be on the left side (street) of the steering column. If steering column is not located in driver foot well, Bidders shall submit specifications identifying the location of the steering column as well as operator clearances with their bid.

Brake Manufacturer: _____ Model: _____

Air Dryer Manufacturer: _____ Model: _____

☐ Meets Specifications or ☐ Exceptions: _____

2. Parking Brakes

The spring set parking brakes shall be automatically actuated in the event of failure in either the main or protected air system. Parking brakes shall be provided on both axles of the tandems. The parking brake must hold fully truck without any movement headed up or down hill at a 24° slope.

☐ Meets Specifications or ☐ Exceptions: _____

K. FRONT BUMPER

An adequate front bumper with recessed steps to allow cleaning of windshield shall be provided. The front bumper shall be aluminum. A tow device or tow hooks adequate for pulling stuck trucks out of landfill fully loaded without damaging any part of the cab or chassis shall be installed.

☐ Meets Specifications or ☐ Exceptions: _____

L. ELECTRICAL

1. General

The electrical system shall be 12 volt - negative ground.

2. Batteries

Shall provide battery group, maintenance-free, rated at a minimum of 2400 C.C.A. at 0° F total. The batteries shall be mounted in a location that is easily accessible for service and replacement. Battery box shall be located on left side of vehicle and shall not interfere with body installations. A battery disconnect switch shall be provided.

☐ Meets Specifications or ☐ Exceptions: _____

3. Alternator

Shall be rated a minimum capacity of 135 amps.

☐ Meets Specifications or ☐ Exceptions: _____

4. All electrical wiring shall be installed in a loom, be color-coded, or color-coded and number stamped, identical to all vehicles in production per purchase order and shall be properly secured to prevent damage by movement or vibration. All electrical connections shall be soldered; Scotch Loks and similar connectors are prohibited. Conductors shall be properly sized to minimize voltage drop. Grommets shall be provided where wire passes through frames or gussets.

☐ Meets Specifications or ☐ Exceptions: _____

M. LIGHTING

Lighting provided shall include daytime running lights and LED tail, brake marker/clearance. Directional signals provided shall be amber. Additional turn signals shall be mounted on cab doors. The following additional lighting requirements shall be provided:

1. All lighting and reflectors shall meet or exceed FMVSS 108.

☐ Meets Specifications or ☐ Exceptions: _____

2. For long life and ease of service, all clearance, tail stop lights, and back-up lights shall be plug-in type, grommet mounted, shock resistant, water-proof, with Lexan Lens. They shall be Truk-Lite, or an approved equal.

Manufacturer: _____

☐ Meets Specifications or ☐ Exceptions: _____

3. A strobe light, ECCO Model 6660A, or an approved equal, shall be installed at a height of approximately 125", measured from the ground on the rear of the truck. Exact location of this light shall be determined by the City at the Pre-Production Meeting. Strobe shall be shielded so as not to interfere with the operation of the camera.

Manufacturer: _____ Model: _____

☐ Meets Specifications or ☐ Exceptions: _____

4. Two (2) wide-angle halogen working lights shall be attached to the body to illuminate the container during the container lift and dump cycle. Exact location of these lights shall be determined by City at the Pre-Production Meeting. Controls for lights shall be mounted in the cab.

☐ Meets Specifications or ☐ Exceptions: _____

5. All wiring shall be enclosed in a loom and properly secured to prevent damage by movement or vibration. All electrical connections shall be soldered; Scotch Loks and similar connectors are prohibited. Reflectors provided shall be rivet secured type, adhesive style is unacceptable.

☐ Meets Specifications or ☐ Exceptions: _____

6. All wiring shall be color coded and consistent with color codes of the cab and chassis wiring.

☐ Meets Specifications or ☐ Exceptions: _____

N. REAR SUSPENSION

The rear suspension shall have a minimum rated capacity of 40,000 lbs., and include transverse torque rods. Suspension provided shall be Hendrickson Model HMX400 **or** equal.

Capacity Offered: _____

Manufacturer: _____ Model: _____

☐ Meets Specifications or ☐ Exceptions: _____

O. FRONT AXLE

The front axle provided shall be rated a minimum of 20,000 lbs.

Rating Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

P. WHEELS

Front and rear wheels shall be hub piloted. All wheels shall be Alcoa aluminum disc style, with drop center. The front wheel size shall be 22.5 x 9.0, ten (10) hole; 10,000 GVWR. The rear wheels shall be 22.5 x 9.0, ten (10) hole; 9,000 GVW each. All wheels shall be equipped with lug nut indicators.

☐ Meets Specifications or ☐ Exceptions: _____

Q. TIRES

Each tire shall have a rating of 10,000 lbs. minimum. The front and rear tires provided shall be 315/80R-22.5 (L), twenty (20) ply highway radial tread design.

Tire Rating Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

R. CAB

The cab shall be equipped with an electric over hydraulic tilting mechanism for maintenance.

☐ Meets Specifications or ☐ Exceptions: _____

S. AIR CONDITIONING

OEM integral air-conditioning shall be provided. Roof mounted units are unacceptable. The air conditioning provided shall maintain the cab temperature at 70° F when ambient temperature is 110° F. Factory installed, ceiling mounted air conditioning (evaporator only, condenser in front of radiator) air shall be diffused to upper torso of driver for maximum cooling. Fresh air heater and integral defroster shall be directed to both sides of cab and windshield. All cab glass shall be tinted in accordance with California Vehicle Code. Rear window shall be tinted to a No. 3 level.

☐ Meets Specifications or ☐ Exceptions: _____

T. LUBRICATION

All grease zerks shall be easily accessible from ground level. Remote grease zerks shall be provided as required. All lubrication fittings shall be accessible for servicing without the use of special adapters.

☐ Meets Specifications or ☐ Exceptions: _____

U. INSTALLATION

The installation of the body on the cab and chassis shall be done in accordance with current industry practice. The body shall be centered laterally on the truck frame and there shall be no evidence of binding or interference. Special consideration shall be given to the following points; accessibility of the various units which require periodic maintenance operations, ease of operations and symmetrical proportions.

☐ Meets Specifications or ☐ Exceptions: _____

1. All welding is to be done by qualified welders. Welds exhibiting evidence or lack of penetration or lack of fusion will be cause for rejection of the delivered equipment. Weld slag shall be removed prior to application of primer paint. Electrical wiring shall be properly secured to prevent damage by movement or vibration.

☐ Meets Specifications or ☐ Exceptions: _____

2. Welding shall not be employed in the assembly of the compaction mechanism or packer body in a manner that will prevent the ready removal of any component part for service or repair.

☐ Meets Specifications or ☐ Exceptions: _____

V. PAINT

The rear of the body shall be striped with 8" wide orange Chevron stripes at a 60° angle and 8" spacing with the "V" at the bottom. The orange stripes shall be Omaha orange, DuPont 311 or OEM equivalent. Bidder shall provide painted orange accent stripes on the cab. Location to be determined at the pre-production meeting and final approval by the City will be given prior to installation.

Stripe Brand Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

W. MOUNTING AND SAFETY REQUIREMENTS

The complete body shall comply with all applicable requirements of the California Vehicle Code, Cal-OSHA, D.O.T. and ANSI standards.

☐ Meets Specifications or ☐ Exceptions: _____

X. HI BAND VHF-FM MOBILE RADIO SYSTEM

1. General Description

The City currently owns Kenwood brand equipment described below. Other brands may be considered only if they are fully compatible with the existing Kenwood brand equipment, and if all parts of the other brand are fully interchangeable with all Kenwood brand parts. Bidders offering a different brand shall submit a copy of the Manufacturer's most recent specifications with bid.

The equipment provided shall be Kenwood Model TK-7160 with quarter wave antenna. Questions regarding the radio equipment to be provided should be directed to the Senior Communications Technician of the City IT&C/Communications Division at (619) 525-8650.

Manufacturer: _____ Model: _____

☐ Meets Specifications or ☐ Exceptions: _____

2. Installation

The radio set shall be capable of being easily installed by City personnel in any suitable location. All mounting hardware shall be furnished by the Contractor.

☐ Meets Specifications or ☐ Exceptions: _____

3. Mobile Antenna

The antenna furnished shall be equipped with a 17 foot Co-axial cable.

Manufacturer: _____ Model: _____

☐ Meets Specifications or ☐ Exceptions: _____

Y. ON-BOARD SCALES/WEIGHT SYSTEM

Complete system shall be Trans-Data Model TD2965-L, or approved equal. Scale system shall be installed by the Contractor and operational prior to acceptance of completed refuse packer by the City.

Manufacturer: _____ Model: _____

☐ Meets Specifications or ☐ Exceptions: _____

1. General

The system installed shall consist of an in-cab monitor that receives signal voltages from three (3) axle mounted load beams. Monitor installed shall have the capability of indicating the following weight readings:

- a. Front axle gross weight.
- b. Drive axle gross weight.
- c. Total vehicle gross weight.
- d. Location and mounting of monitor shall be approved by the City prior to installation.

☐ Meets Specifications or ☐ Exceptions: _____

2. Load Beams

Load beams shall be constructed of grade 17-4 stainless steel with all gauging and wire connections potted and sealed to protect against corrosion and the elements. Load beams shall be capable of signaling both positive and negative load impositions.

☐ Meets Specifications or ☐ Exceptions: _____

3. Meter

Read-out weight numerals shown on the meter shall be bright red LED's and clearly visible. Load beam connections to the meter shall be through an interface board with adjustable pots on each channel to permit the beam signals to be balanced under no load conditions. Meter shall be equipped with an adjustable overweight warning device.

☐ Meets Specifications or ☐ Exceptions: _____

4. Mounting System

Load beam mounting shall not affect structural integrity of the axle. Mounting hardware shall be designed to eliminate any interface deflection between load beam and mounting member. Mounting shall permit sensor beam to track negative voltage loads indicating loss of original tare load.

☐ Meets Specifications or ☐ Exceptions: _____

5. Power

Power supply shall be rated twelve (12) volts and supplied to the meter interface board by a fused three (3) wire shielded cable. Power shall be supplied and meter activated when truck ignition is on. All signal wires from the load beams to the meter shall be in shielded cable, and enclosed in a loom protective harness. All wiring shall be secured and follow standard chassis routing.

☐ Meets Specifications or ☐ Exceptions: _____

Z. TOOL BOX

24" H x 18" W, 18" D, aluminum, single door tool box mounted on the left side of the truck. The tool box and door shall be water tight and capable of storing 10 lbs. dry chemical fire extinguisher (upright) and two (2) bags of sand (25 lbs.) ea.

☐ Meets Specifications or ☐ Exceptions: _____

AA. SIGN HOLDERS

Two (2) sign holders shall be installed, one on each side of the body. Frames shall be 4' x 8' Roadway Display or equal, satin anodized aluminum, tamper proof design, with stainless steel cam-over springs, continuous hinge," Power Grip" system.

V. SPECIFICATIONS CHECKLIST FOR FRONT LOADING REFUSE PACKERS

It is the intent of these specifications to describe specific equipment relating to the front loading refuse packers listed as Section 1 of the Pricing Pages. These refuse packers will be utilized for curbside, one (1)-man collection of residential refuse and greens waste, and shall operate under varied and extreme conditions, ranging from repeated stop and go service to freeway travel to the landfills.

A. LEGAL PAYLOAD CAPACITY

The completed, unladen weight of the delivered unit shall not exceed 36,000 lbs. The unladen weight shall include cab and chassis, packer body, lift mechanism, 1/2 tank of fuel and driver. The legal payload of the completed unit shall be a minimum of 8-1/2 half tons.

Legal Payload Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

B. GENERAL CAB AND CHASSIS SPECIFICATIONS

The cab and chassis provided shall be low entry factory, left hand drive design . Both cab doors shall be full length. Cab and chassis shall be "6 x 4". The cab shall be of aluminum or steel construction. Trucks that incorporate fiber-glass panels that are not susceptible to sustaining vehicle fires may be considered. The cab and chassis provided shall be an OEM standard production model and shall not be built-up utilizing various Manufacturers' components.

☐ Meets Specifications or ☐ Exceptions: _____

C. WHEELBASE

Wheelbase of the truck provided shall be in the range of 212" as measured from the centerline of the front axle to the centerline of the rear tandems. Wheel base shall be minimum possible to achieve maximum maneuverability.

Wheelbase Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

D. CAB TO TRUNNION

Cab to trunnion dimension as measured from the back of cab to centerline of rear tandems shall be in the range of 191".

Trunnion Dimension Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

E. TRANSMISSION

The transmission shall be six (6) speed automatic and incorporate a direct mounted oil cooler. Shall be electronically controlled and include an oil level sensor system. Shall be Allison HD-4560P, or equal. A transmission shift lever control shall be provided to both drive stations (touch pad controls are not acceptable). Torque converter shall be Allison Model No. TC-521 or approved equal. The automatic transmission shall be matched with the engine to provide maximum power and efficiency. Both the torque converter and transmission shall have a rated capacity equal to or exceeding the maximum power output of the engine furnished.

Transmission Manufacturer: _____ Model: _____

Torque Converter Manufacturer: _____ Model: _____

☐ Meets Specifications or ☐ Exceptions: _____

F. REAR AXLE

The rear axle shall be Dana Spicer Model No.DSH44, or equal, and a minimum rated capacity of 40,000 lbs. Rear axle ratio shall be approximately 5.57 to 1.0 or as required to provide grade ability of 32% at 4.0 MPH and a road speed of 55 MPH at governed RPM. Rear axle rear ratio shall be compatible with maximum highway speed and transmission in sixth gear mode. The rear axle interlock shall be equipped with an audible interlock alarm in the cab. The alarm shall engage when the interlock is in the on position.

Manufacturer: _____ Model: _____

Capacity Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

G. CAB & EQUIPMENT

1. Cab Construction

Cab provided shall facilitate the multiple functions that this truck is scheduled to perform. The cab shall be low entry tilt forward design. The cab provided shall be capable of being tilted a minimum of 60° (to facilitate engine maintenance). The height of the cab floor above ground level for both the right and left sides of the cab shall not exceed 18" with the refuse body empty. The right hand side of the cab shall be designed to permit a stand up driver position. A step provided at 18" above ground level to provide access to a floor at a higher dimension will not be acceptable.

☐ Meets Specifications or ☐ Exceptions: _____

2. Seats

Both right and left seats shall be air suspension seats.

☐ Meets Specifications or ☐ Exceptions: _____

3. Doors

Both right and left hand doors shall be full length and equipped with electric controlled windows.

☐ Meets Specifications or ☐ Exceptions: _____

4. Visibility

Cab design shall not impair operator's vision from any driver position.

☐ Meets Specifications or ☐ Exceptions: _____

5. Other Cab Equipment

a. Gauges and Instruments

The truck shall be equipped with speedometer, hour meter, odometer, tachometer, oil pressure gauge, dual air pressure gauges, water temperature gauge, fuel gauge, voltmeter, low air pressure warning buzzer, and air cleaner restriction gauge with restriction indicator in cab. Gauges shall be analog type. An air horn and an electric horn shall be provided.

☐ Meets Specifications or ☐ Exceptions: _____

b. Mirrors

The truck shall be equipped with remote controlled heated mirrors, "Moto", or equal, located outside both left and right of the cab, and constructed of stainless steel, including four (4)-way adjustment. Brackets shall be mounted on cab windshield posts, and shall allow full adjustment of mirrors, up/down, in/out, and forward/backwards. Controls shall be located on the dashboard within easy reach of the operator seat. Convex mirrors measuring 8" shall be mounted on adjustable brackets below mirrors. An additional convex spot mirror shall be provided at the top of the left side mirror.

Mirror Manufacturer: _____ Model: _____

☐ Meets Specifications or ☐ Exceptions: _____

c. Handles

The truck shall be equipped with exterior and interior cab entry assist handles.

☐ Meets Specifications or ☐ Exceptions: _____

d. Radio Equipment

The most current Panasonic AM/FM radio model with two (2) heavy-duty speakers shall be provided.

☐ Meets Specifications or ☐ Exceptions: _____

e. Dual interior sun visors and a dome light shall be provided.

☐ Meets Specifications or ☐ Exceptions: _____

f. Fender extensions shall be provided on the front. Brush type fender extensions shall be provided and installed on both sides.

☐ Meets Specifications or ☐ Exceptions: _____

g. Steering column tilt and telescoping features are preferred.

Bidder offers steering column tilt and telescoping features (check one):

☐ Yes ☐ No

H. ADDITIONAL EQUIPMENT FEATURES

The following additional equipment features shall be priced separately on the Pricing Page as an option to the City. The City has the discretion of placing an order for any of these equipment features as may be in its best interest. The selected optional equipment features will be specified on a Purchase Order and shall be delivered with the primary unit, ready for operation at the time of delivery. All equipment offered shall be compatible with the primary unit provided

- Pricing Page 8, Section 4 - Dual Drive System in lieu of Left-hand Drive

Shall provide cab with dual drive controls. Dual right and left hand controls shall be provided to permit the truck to be operated from the customary left hand position or from the right hand standing position. These controls shall include steering, braking, throttle, transmission, and those other controls essential to safe operation of the vehicle. A single "Y" shifting quadrant shall be located offset to the right hand side of cab for operation by operator from right or left side driving positions.

The right side control area shall be equipped with a fold up type drivers' seat and a fold up door.

☐ Meets Specifications or ☐ Exceptions: _____

I. GENERAL BODY SPECIFICATIONS

It is the intent of the following specifications to describe the minimum requirements of a complete front-end loading compaction body. The body shall incorporate lifting designed to function in residential and commercial applications and be compatible with residential and commercial trash bins. Forks shall be capable of traveling to ground level. Forks shall be for use with side pocket containers. The body shall be of full ejection of collected refuse type; dumping design off-loading bodies are unacceptable. The body shall be capable of handling brush and trimming collection, in addition to residential and commercial refuse collection.

☐ Meets Specifications or ☐ Exceptions: _____

J. BODY

1. Capacity

The body, inclusive of the hopper, shall have a capacity of 40 cubic yards.

Capacity Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

2. Dimensions Length

The body shall have an overall length in the range of 288".

Overall Length Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

3. Height

The body shall have an overall height in the range of 117".

Overall Height Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

4. Width

The body shall have a maximum overall width including container lift device of 96".

Overall Width Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

K. BODY CONSTRUCTION

1. Body shell

Body floor shall be constructed from 3/16"; 100,000 PSI abrasive resistant steel. Body roof and sides shall be constructed from 10 gauge; 100,000 PSI abrasive resistant steel.

☐ Meets Specifications or ☐ Exceptions: _____

2. The body shall incorporate a sump, 50 gallons minimum, to collect fluids preventing leakage.

Sump Capacity Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

3. A full width, all-steel cab shield that extends over the cab shall be provided to protect the cab from spillage and damage. Cab shield shall extend rearward to the body front wall to provide protection over turbos, engine extension, transmission, and mufflers/tail pipes. It shall extend forward over the cab.

☐ Meets Specifications or ☐ Exceptions: _____

L. HOPPER CONSTRUCTION

1. Capacity

Hopper shall have a capacity of 10 cubic yards minimum.

Capacity Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

2. Side Walls

Shall be constructed from 3/16" 100,000 PSI abrasive resistant steel.

☐ Meets Specifications or ☐ Exceptions: _____

3. Long Sills

The hopper long sills shall be 10" high by 3" wide interlaced with seven (7) full body width crossmembers.

☐ Meets Specifications or ☐ Exceptions: _____

4. Crossmembers

The hopper crossmembers shall be 3" high by 4-1/2" wide formed 12 gauge 50,000 PSI yield strength steel. Cross members shall support and be continuously welded to the hopper floor plate of 1/4" abrasive resistant steel.

☐ Meets Specifications or ☐ Exceptions: _____

5. Reinforcement

The hopper side walls shall be braced by a minimum of four (4) horizontal channels formed 2" x 6" 50,000 PSI yield strength hi-tensile plate.

☐ Meets Specifications or ☐ Exceptions: _____

6. Access Door

An access door to the hopper area shall be provided on the street side of the truck.

☐ Meets Specifications or ☐ Exceptions: _____

M. TAILGATE

1. Construction

The tailgate shall be of bustle design with a minimum of 5-1/2 cubic yard capacity. Construction shall be a minimum of 10 gauge 100,000 PSI yield strength plate and include perimeter reinforcing. The tailgate shall be hinged to the rear edge of reinforced roof and rotate on C.R. steel hinge pins 2-1/2" in diameter minimum.

Tailgate Capacity Offered: _____

Construction Gauge Offered: _____ PSI

☐ Meets Specifications or ☐ Exceptions: _____

2. The lower inside perimeter shall be equipped with a replaceable water-tight seal. The water tight seal shall extend across the bottom and 36" up each side.

☐ Meets Specifications or ☐ Exceptions: _____

3. To assure clean ejection of refuse, the tailgate shall rotate a minimum of 95° from the closed position.

Rotation Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

4. The tailgate shall be opened and closed utilizing two (2) double acting hydraulic cylinders. Cylinders shall be a minimum of 3" I.D. with 1-3/4 chrome plated rod.

Cylinder Size Offered: _____ I.D.

☐ Meets Specifications or ☐ Exceptions: _____

5. The tailgate shall be secured by two (2) steel locks powered automatically by hydraulic cylinders. Locks shall capture door pins (two (2) per side) and secure door to rear of body.

☐ Meets Specifications or ☐ Exceptions: _____

N. LIFT ARMS

1. Construction

The lift arms shall be two (2) "U" shaped weldments which rotate on a full body width torque tube of 4" O.D. 1/2" DOM steel tube located at the forward bottom of the hopper directly behind the truck cab. The lift arms shall be attached to the torque tube by four (4) 3/4" grade eight (8) bolts per side. Lift arms shall be interchangeable between sides and units. The torque tube shall rotate in two (2) bronze bearings easily accessible for lubrication.

☐ Meets Specifications or ☐ Exceptions: _____

2. Capacity

Lift arms shall have a minimum capacity of 8,000 lbs. measured at the center-line of an 8 cubic yard container.

Capacity Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

3. Cycle Time

Arm and fork cycle time shall not exceed fifteen (15) seconds.

Cycle Time Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

4. Mounting

Main arm lift cylinders, two (2) 4" O.D. double acting with a 1-3/4" minimum chrome plated rod, shall be mounted outboard of the body for ease of maintenance. The fork torque tube in the lowered position shall be 6" height as measured from the ground to the centerline of the torque tube.

☐ Meets Specifications or ☐ Exceptions: _____

5. Pick-Up Forks

The forks shall be a minimum of 1-1/2" thick and 55" in length.

☐ Meets Specifications or ☐ Exceptions: _____

6. Travel Position

The arm assembly shall be capable of being stowed in the full raised position resting on rubber bumpers during travel between stops.

☐ Meets Specifications or ☐ Exceptions: _____

7. Arms shall be capable of transporting container described in this specification to pickup curb side residential refuse.

☐ Meets Specifications or ☐ Exceptions: _____

O. PACKING SYSTEM

1. Design

The sweep of the hopper and load compaction shall be accomplished by a compactor panel traveling a minimum of 85". The compaction panel shall travel the full length of the body to eject all loads. The compactor panel shall be engineered and designed with 22-1/2" step packing surface. The packer blade shall be 82" in height minimum. The top of the blade shall be angled 90° in the direction of the load to facilitate refuse compaction and reduce spillage over the blade.

☐ Meets Specifications or ☐ Exceptions: _____

2. Packing Cylinders

Compaction panel shall be powered by twin three (3) stage chrome plated, telescopic, double acting cylinders. The working diameters of the packing ejection cylinders shall be a minimum of 5-1/2" first stage, 4-1/2" second stage, 3-1/2" third stage.

☐ Meets Specifications or ☐ Exceptions: _____

3. Packer Shoes

Panel shall ride on 3/4" x 3/4" x 48" molecular co-polymer shoes. Shoes must be replaceable without removing packer panel from body. The track shall be 2-1/4" off the floor and extend the full length of the body.

☐ Meets Specifications or ☐ Exceptions: _____

4. Compaction Controls

The hydraulic system shall incorporate a hopper sweep cycle, in cab activated. The compaction panel shall sweep the hopper area and return to rest at the forward end of the body. The complete sweep cycle shall be automatic after the push of a single start button. Full compaction cycle shall not exceed fifteen (15) seconds.

☐ Meets Specifications or ☐ Exceptions: _____

5. Hopper Cover

The body shall be equipped with a sliding hopper cover. The hopper cover shall move forward and rearward to enclose the roof of the hopper.

☐ Meets Specifications or ☐ Exceptions: _____

6. Hopper cover shall be powered by a hydraulic cylinder having a minimum 2-1/2" I.D. with a 1-3/4" chrome plated rod.

☐ Meets Specifications or ☐ Exceptions: _____

- a. The design of the hopper, body, and arms shall be such that the arms may be transported in the full raised position and the entire unit will not exceed an overall height of 13' 6" (based upon 44" maximum chassis frame rail height). Overall Height Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

- b. The hydraulic system shall incorporate protection so that the fork will not rotate into the hopper when the hopper cover is closed over the hopper opening. A warning light in the cab shall indicate when the hopper cover is open.

☐ Meets Specifications or ☐ Exceptions: _____

7. Operating Controls

- a. The operating controls for hopper cover, lift arms, container forks, packing panel, tailgate locking and opening, and for unloading shall be located in the truck cab easily accessible to the driver while seated in a driving position.

☐ Meets Specifications or ☐ Exceptions: _____

- b. All control operations shall be plastic laminated labeled.

☐ Meets Specifications or ☐ Exceptions: _____

- c. All fork and arm movements shall be controlled by a two (2)-lever operating an air control valve.

☐ Meets Specifications or ☐ Exceptions: _____

- d. Tailgate lock and lifting controls shall be isolated from all other controls and shall be somewhat removed to reduce the chance of an accidental operation.

☐ Meets Specifications or ☐ Exceptions: _____

- e. The controls shall have interlock system to prevent from tipping container back into front of truck cab or canopy cover.

☐ Meets Specifications or ☐ Exceptions: _____

- f. An electronic interlock which prevents the container from hitting any part of the front of truck, cab, or apron shall be provided.

☐ Meets Specifications or ☐ Exceptions: _____

P. HYDRAULIC SYSTEM

1. Design Pressure

The system shall be designed to operate at a maximum of 2,000 PSI. A factory sealed pressure relief valve shall be provided to protect the system. All hydraulic lines and tubing shall be equipped with 37° flare fittings of sufficient size for the oil flow. All hydraulic tubing shall be rubber mounted.

☐ Meets Specifications or ☐ Exceptions: _____

2. Hydraulic Pump

A direct coupled front engine mounted cast iron dry valve pump, with a capacity of not less than 42 GPM at 1200 RPM shall be provided. The suction line feeding the pump from the reservoir shall be no less than 2" diameter and shall mate to a 2" diameter pump suction inlet opening. The hydraulic pump shall have a minimum 1" diameter pressure port and shall mate to a system pressure feed line with a minimum diameter of 1".

☐ Meets Specifications or ☐ Exceptions: _____

3. Reservoir

A hydraulic steel reservoir of not less than 50 gallon capacity shall be provided and mounted on curb side of truck. The tank shall be equipped with a breather filter to prevent the entrance of foreign matter, tank drain plug (magnetic type), and a bulls-eye at design oil level indicator showing service level with packer blade retracted and all systems at rest. The service lines to the hydraulic reservoir shall be fitted with shut-off valves on the suction and return lines. The shut-off valves shall be located in a manner which allows servicing of suction screen (100 mesh, minimum) and return line 10 micron filter. The tank shall be equipped with Aero-Quip Coupling Adaptor 502-12-10S and Dust Cap 5657-12-10S for oil filling. Breather filter to be Pall HC7400-SDT4H and Adaptor HHAM-7000, or equal. Single lever operation of the packing blade is preferred.

Reservoir Capacity Offered: _____

Adaptor Manufacturer: _____ Model: _____

Dust Cap Manufacturer: _____ Model: _____

Breather Filter Manufacturer: _____ Model: _____

☐ Meets Specifications or ☐ Exceptions: _____

4. Controls

The City currently owns Mitsubishi Model F-20 controllers. A Mitsubishi Model F-20 controller is to be provided on this unit. Other brands may be considered only if they are fully compatible with the existing Mitsubishi brand controllers, and if all parts of the other brand are fully interchangeable with all Mitsubishi brand controller parts. The controller offered shall conform to the existing control programs of the Mitsubishi Model F-20 currently owned by the City. Bidders offering a different brand shall submit a copy of the Manufacturer's most recent specifications with bid.

Manufacturer: _____ Model: _____

☐ Meets Specifications or ☐ Exceptions: _____

Q. SAFETY MECHANISM

The truck shall be equipped with a warning system which shall warn the operator if any of the following occur:

1. Tailgate not completely latched or body not fully latched.

☐ Meets Specifications or ☐ Exceptions: _____

2. Any access doors for clean out or for personnel entry shall be properly identified and shall have controls which render the hydraulic system inoperable while any one of the doors is open.

☐ Meets Specifications or ☐ Exceptions: _____

3. The warning signal provided shall utilize a system a lights clearly visible to the operator. There shall be a separate labeled light for each item, permanently marked and screw mounted.

☐ Meets Specifications or ☐ Exceptions: _____

R. CAMERA SYSTEM FOR FRONT LOADING REFUSE PACKERS

These specifications describe a color camera system that shall be fully compatible with the front loading refuse packer. Do not include price of this camera system in the bid price of each refuse packer. This camera system shall be priced separately in Section 2 of the Pricing Pages. The City will determine at its own discretion whether or not this camera system will be selected. If selected, this camera system will be designated on a City Purchase Order or Vehicle Financing Program Order Letter. It shall be fully installed and ready for operation upon delivery of each refuse packer ordered.

The City currently owns Intec brand equipment. Other brands may be considered only if they are fully compatible with the existing Intec brand equipment, and if all parts of the other brand are fully interchangeable with all Intec brand parts. Bidders offering a different brand shall submit a copy of the manufacturer's most recent specifications with bid.

1. Camera

Contractor shall provide two (2) color cameras. One (1) camera shall be mounted at the rear of the vehicle. A second camera shall be hopper mounted to permit the operator to observe loading and blade operation in the hopper. The cameras provided shall be equipped with a sun shield, weatherproof, and mounted utilizing vibration and shock resistant mounts. Cameras shall be CVC470HXL installation shall be of a permanent nature utilizing tamper proof nuts and bolts. Co-axial cable shall be CVXLP21MA polyurethane jacket and contained in rigid conduit for protection.

The cameras shall meet the following additional requirements:

- a. Field of view 100° vertical, 125° horizontal (minimum).
- b. Illumination, 0.5 lux (minimum).
- c. 320 lines of resolution (minimum).
- d. Shock resistant. Capable of withstanding continued 9G loads.
- e. Auto-iris lens, f2.0mm, f2.0 fixed focus.
- f. 12 VDC.
- g. IP 68 Waterproof
- h. Utilize mil spec MIL-c-2682 ROHS compliant connection (500 hour salt spray minimum) between camera and cable.

2. Monitor

Monitor shall be on an adjustable base to permit easy viewing. Monitor shall have a sunshield. Monitor controls shall include automatic on, day/night sensitivity switch and shall be mounted to the ceiling in the center of the cab between the windshield and the air conditioning evaporator utilizing swivel mounting bracket, Intec Model CVSBN. Display shall incorporate multi-camera switching through the intec CVS500M multi-camera controller remote, Monitor shall automatically switch to the rear-view camera when truck transmission is shifted into reverse gear. Monitor shall be Intec CVD640LCD-

The monitor shall meet the following additional requirements:

- a. 6.4" color picture measured diagonally (minimum).
- b. 11-32 VDC.
- c. On-screen LCD distance markers.
- d. IP68 Waterproof rating
- e. Backlit controls buttons on waterproof remote control
- f. 50,000 hour LCD panel protected by polycarbonate cover

S. HYDRAULIC LIFT MECHANISM

A hydraulic actuated lift mechanism shall be provided capable of lifting the packer body a minimum of 24" for maintenance purposes.

☐ Meets Specifications or ☐ Exceptions: _____

1. Construction

Container floor shall be 10 gauge steel minimum. Sides shall be 14 gauge steel minimum. Three (3) 1" x 2" channel floor reinforcements shall be installed inside the container. Top of container shall be reinforced with 1" x 2" box tube assembly. A 1-½" O.D., 1/4" wall thickness tube assembly shall be mounted on front of container. The assembly shall be full width of container and installed approximately 3/4" below bottom. Back of containers shall be approximately 44" high to act as a splash panel and directional funnel when arms are in dumping mode. This back plate shall include 14" side/end panels. The back panel and end plates shall be reinforced by installation of 1/4" round stock.

☐ Meets Specifications or ☐ Exceptions: _____

2. Dimensions

The basic container shall be 80"L x 32"H x 30"W.

☐ Meets Specifications or ☐ Exceptions: _____

3. Lock Bar

A mechanism shall be provided to secure the container to the truck forks.

☐ Meets Specifications or ☐ Exceptions: _____

T. ADDITIONAL DESIGN REQUIREMENTS

1. Canopy shall be bolted to the body. Welded canopies are not acceptable.
2. Front windshield guard shall be constructed of 2" x 2" steel tubing.
3. Drain holes shall be provided in the hopper door wheel tracks.

U. LAPTOP COMPUTER AND DIAGNOSTIC SYSTEM

Laptop diagnostic type computer with all needed connections to data link with the vehicle and of sufficient capacity to run all diagnostic functions and software shall be provided. Do not include laptop in price of the refuse packer.

Software provided shall include all components accessible through the data link such as engine, transmission, and brake system.

The diagnostic system shall be delivered at the time the truck is delivered. Licensed software shall be provided with a minimum two years subscription for each specific component program.

VI. SPECIFICATIONS CHECKLIST FOR REAR LOADING REFUSE PACKERS

It is the intent of these specifications to describe specific equipment relating to the rear loading refuse packers listed as Section 3 of the Pricing Pages. These refuse packers will be utilized for collection of residential refuse and greens waste and shall operate under varied and extreme conditions, ranging from repeated stop and go service (1,000 to 1,200 homes daily) and freeway travel to the landfills and travel on unpaved landfill roads in all weather conditions.

A. LEGAL PAYLOAD CAPACITY REAR LOADER

The completed, unladed weight of the delivered unit shall not exceed 32,500 lbs. The unladed weight shall include cab and chassis, packer body, lift mechanism, 1/2 tank of fuel and driver. The legal payload of the completed unit shall be a minimum of 9-1/2 half tons.

Legal Payload Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

B. GENERAL CAB AND CHASSIS SPECIFICATIONS

The cab and chassis provided shall be of cab over engine design and industry designated as "6 x 4". The cab shall be of aluminum or steel construction. Trucks that incorporate fiberglass panels that are not susceptible to sustaining vehicle fires may be considered. The cab and chassis provided shall be an OEM standard production model and shall not be built-up utilizing various Manufacturers' components.

☐ Meets Specifications or ☐ Exceptions: _____

C. WHEELBASE

Wheelbase of the truck provided shall be the minimum possible to achieve maximum maneuverability. Maximum wheelbase acceptable is 194".

Wheelbase Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

D. CAB TO TRUNNION

Cab to trunnion dimension as measured from the back of cab to centerline of rear trunnion shall be in the range of 162".

Trunnion Dimension Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

E. TRANSMISSION

The transmission shall be six (6) speed automatic and incorporate a direct mounted oil cooler. Shall be electronically controlled and include an oil level sensor system. Shall be Allison HD4560P, or equal. Transmission shall include Allison AK86 package which automatically shifts into neutral when service brakes are applied. A transmission shift lever control shall be provided (touch pad controls are not acceptable). Torque converter shall be Allison Model TC-521, or approved equal. The automatic transmission shall be matched with engine to provide maximum power and efficiency. Both the torque converter and transmission shall have a rated capacity equal to or exceeding the maximum power output of the engine furnished.

Transmission Manufacturer: _____ Model: _____

Torque Converter Manufacturer: _____ Model: _____

☐ Meets Specifications or ☐ Exceptions: _____

F. REAR AXLE

The rear axle shall be Dana Spicer model number DSH44, or equal, and a minimum rated capacity of 40,000 lbs. Rear axle ratio shall be approximately 5.57 to 1.0 or as required to provide grade ability of 34.4% at 4.0 MPH and a road speed of 55 MPH at governed RPM. Rear axle rear ratio shall be compatible with maximum highway speed and transmission in sixth gear mode. The rear axle interlock shall be equipped with an audible interlock alarm in the cab. The alarm shall engage when the interlock is in the on position.

Manufacturer: _____ Model: _____

Capacity Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

G. CAB AND EQUIPMENT

1. Cab

Cab provided shall facilitate the multiple functions that this truck is scheduled to perform. The cab shall be low entry tilt forward design. The height of the cab floor above ground level for both the right and left sides of the cab shall not exceed 18" with the refuse body empty. The cab shall be of steel or aluminum construction, not to exceed twenty percent (20%) of materials. Operational controls are required on the left-side driver position only. The cab provided shall be capable of being tilted a minimum of 60° (to facilitate engine maintenance). A step provided at 18" above ground level to provide access to a floor at a higher dimension will not be acceptable.

2. Seats

Both seats provided shall be air suspension type with isolator and shoulder type seat belt.

☐ Meets Specifications or ☐ Exceptions: _____

3. Doors

Doors are required on both sides of the cab.

☐ Meets Specifications or ☐ Exceptions: _____

4. Visibility

Cab design shall not impair operator's vision from any driver position.

☐ Meets Specifications or ☐ Exceptions: _____

5. Other Cab Equipment

Gauges and Instruments:

The truck shall be equipped with speedometer, hour meter, odometer, tachometer, oil pressure gauge, dual air pressure gauges, water temperature gauge, fuel gauge, voltmeter, low air pressure warning buzzer, and air cleaner restriction gauge with restriction indicator in cab. Gauges shall be analog type. An air horn and an electric horn shall be provided.

☐ Meets Specifications or ☐ Exceptions: _____

6. Mirrors

The truck shall be equipped West Coast type mirrors outside right and left, minimum size of 6" x 15" and equipped with parabolic spot mirrors to enable driver to see down both sides of vehicle. A convex bubble type mirror, 8" mounted via stainless steel mounting bracket shall be mounted above the left windshield. This mirror shall enable the driver to view across the front of the truck. Proposed mirror installations shall be approved by the City prior to attachment. Both street and curbside mirrors shall be electric and remotely adjustable from the operator's seat.

Mirror Manufacturer: _____

7. Handles

The truck shall be equipped with exterior and interior cab entry assist handles.

☐ Meets Specifications or ☐ Exceptions: _____

8. Radio Equipment

AM/FM Radio, Panasonic Model CRW-125, or equal, shall be provided.
Antenna shall be mounted street side. Two (2) heavy-duty speakers matched to system shall be provided and mounted in the top rear section of cab utilizing theft proof bolts.

Radio Manufacturer: _____ Model: _____

☐ Meets Specifications or ☐ Exceptions: _____

9. Steering Column

Steering column tilt and telescoping features are required

Bidder Offers steering column tilt and telescoping features (check one):

☐ Yes ☐ No

H. GENERAL BODY SPECIFICATIONS

It is the intent of these specifications to describe the minimum requirements of a complete rear loading refuse body. Body design shall eliminate leakage to permit collection in wet/dry applications. The body shall be capable of packing the maximum legal load. The City will consider only those Bidders who can demonstrate proven history of like units have been manufactured, performing similar tasks in service for no less than two (2) years. Name of references and contact personnel shall be supplied with bid.

☐ Meets Specifications or ☐ Exceptions: _____

I. BODY

1. Capacity

The body, exclusive of the hopper, shall have a capacity of 25 cubic yards.

Capacity Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

2. Dimensions

a. Length

The body shall have an overall length in the range of 270".

Overall Length Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

b. Height

The body shall have an overall height in the range of 97".

Overall Height Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

c. Width

The body shall have a maximum overall width of 96".

Overall Width Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

J. BODY CONSTRUCTION

1. Body shell

Body floor shall be 10 gauge ASTM A-607 grade 50 steel minimum. Body roof shall be 12 gauge ASTM A-607 grade 50 steel minimum. Body sides shall be 11 gauge ASTM A-607 grade 50 steel minimum.

☐ Meets Specifications or ☐ Exceptions: _____

2. The body shall incorporate a design to collect fluids preventing any leakage.

☐ Meets Specifications or ☐ Exceptions: _____

3. The vertical side channels shall interconnect with the roof channels to form a (external body ribbing) must be vertical and spaced closer together where body compaction pressures are highest, e.g., rear to front.

☐ Meets Specifications or ☐ Exceptions: _____

4. Body shall be adequately braced at all points to withstand repeated maximum packing pressures without distortion.
☐ Meets Specifications or ☐ Exceptions: _____
5. Rectangular tubing body frames, front and rear shall be provided to ensure body shape is retained during normal operation.
☐ Meets Specifications or ☐ Exceptions: _____
6. A side access door shall be located at the left front corner of the body, at floor level. Door shall be not less than 30" x 30" and shall swing outward right to left on a single continuous piano style hinge. Door is to incorporate both slide bolt and safety pin locking mechanism to securely keep door in "open" position.
☐ Meets Specifications or ☐ Exceptions: _____
7. Body floor shall be a flat (smooth) design.
☐ Meets Specifications or ☐ Exceptions: _____
8. Mud flaps shall be provided at both rear axles. Rubber fender extensions on body at both rear axles shall be provided to prevent splashing on tailboard rider from rear tires on turns.
☐ Meets Specifications or ☐ Exceptions: _____

K. HOPPER CONSTRUCTION

1. Size

The hopper opening shall be a minimum of 80"W x 56"H.

Size Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

2. Capacity

Minimum acceptable hopper capacity is 2.5 cubic yards.

Capacity Offered: _____

☐ Meets Specifications or ☐ Exceptions: _____

3. Side Sheets

The hopper lower side sheets shall be 1/4", 50,000 PSI yield strength steel.

☐ Meets Specifications or ☐ Exceptions: _____

4. Hopper Floor

Hopper floor shall be a minimum 1/4", 100,000 PSI yield strength steel. Steel utilized shall have a minimum Brinell Hardness of 265 BHN.

☐ Meets Specifications or ☐ Exceptions: _____

5. Hopper Sill

Hopper sill shall be a boxed section of 6 "x 5" x 5/16" with an 80" lengths.

☐ Meets Specifications or ☐ Exceptions: _____

6. Cycle Time

Total packing blade cycle time shall not exceed thirty-two (32) seconds.

☐ Meets Specifications or ☐ Exceptions: _____

7. Hopper Bottom

Hopper bottom shall incorporate a minimum of three (3) external longitudinal flat bar reinforcing members. Each bar shall be a minimum 2" thick and 4" wide.

☐ Meets Specifications or ☐ Exceptions: _____

L. TAILGATE

1. The tailgate shall be top-hinged to the body at the roof line utilizing cast steel hinges. It is to be raised for load ejection by two (2), 4" bore, single acting cylinders mounted on the outside of the tailgate. Cylinders shall contain a restricting mechanism to prevent rapid descent of the tailgate and be manufactured with a nitro carburization process vs. chrome plating for added durability.

☐ Meets Specifications or ☐ Exceptions: _____

2. The tailgate shall be held in the closed position by two (2), one (1)-piece drop forged screw clamps, one (1) on each side of the tailgate. Clamps are to be equipped with a fast spin handle and grease zerk fitting.

☐ Meets Specifications or ☐ Exceptions: _____

3. An extruded rubber gasket shall be affixed to the tailgate. The tailgate gasket shall be easily replaceable to provide a watertight seal between the body and tailgate. Sealing shall be effective up to a minimum of 31".

☐ Meets Specifications or ☐ Exceptions: _____

4. Tailgate side installation shall seal 42" minimum.

☐ Meets Specifications or ☐ Exceptions: _____

5. Riding steps shall be provided on each side of the tailgate. Vertical and horizontal grab handles, capable of withstanding 500 lbs. pull shall be located in a convenient place for rider safety. Rear of tailgate should have two (2) hold handles for each tailboard rider. One (1) should be vertical chest level on the outside of body and the other horizontal above hopper slightly higher than rider's head. The City will provide a drawing of the vertical handle design at the time of production. All rear hold handles and rear steps will have non-skid installed. The steps shall consist of a self-cleaning, slip resistant surface, grip-strut open grate material which shall comply with ANSI Z2445.1 standards. Steps are to be a minimum dimension of 12" wide x 24" long with 10" extending beyond hopper. Warning signs shall be posted above the riding steps to prohibit their use when traveling at speeds above ten (10) miles per hour or when backing.

☐ Meets Specifications or ☐ Exceptions: _____

6. The tailgate shall be equipped with a "tailgate ajar" switch with an indicator light in the cab. The purpose of this light is to indicate to the driver that the tailgate is not completely closed. The "tailgate ajar" switch with light shall comply with ANSI safety standards.

☐ Meets Specifications or ☐ Exceptions: _____

7. Tailgate top sheets shall be secured by bolt down or screw down type fasteners.

☐ Meets Specifications or ☐ Exceptions: _____

8. The loading height of the hopper shall not exceed 37" above ground level.

☐ Meets Specifications or ☐ Exceptions: _____

9. Warning buzzer system. Waterproof electrical push buttons shall be installed at the rear of the body on both left and right sides to actuate a buzzer located near the drivers' position in the cab. The push buttons will be located safe and convenient to person on rear step. Tailboard safety swamp buzzer should be approximately chest high and 2" minimum in diameter. Access shall be unblocked by obstructions.

☐ Meets Specifications or ☐ Exceptions: _____

M. PACKING SYSTEM

1. The packer face plate face shall be 1/4", 80,000 PSI yield strength steel, minimum.
☐ Meets Specifications or ☐ Exceptions: _____
2. The carrier plate face shall be 3/16", 50,000 PSI yield strength steel, minimum.
☐ Meets Specifications or ☐ Exceptions: _____
3. Minimum two (2) double acting, single stage 6" bore packer plate cylinders shall be provided.
☐ Meets Specifications or ☐ Exceptions: _____
4. Minimum two (2) double acting, single stage 6" bore carrier plate cylinders shall be provided.
☐ Meets Specifications or ☐ Exceptions: _____
5. The packer and carrier plate cylinders shall be mounted inside the tailgate and all four (4) cylinders must be interchangeable with each other.
☐ Meets Specifications or ☐ Exceptions: _____
6. The packing plate shall compact material into the body against the ejector panel. "Pre-crushing" of material in the hopper is periodically required.
☐ Meets Specifications or ☐ Exceptions: _____
7. The packing plate shall be protected from overload by an independent packer circuit relief valve located at the operating valve.
☐ Meets Specifications or ☐ Exceptions: _____
8. The upper carrier plate shall utilize rollers vs. slides for easy movement. Rollers shall be 5" diameter manufactured from forged 4,150 steel induction hardened to 57-60 "Rockwell C" and have zerk fittings accessible from external roller access openings.
☐ Meets Specifications or ☐ Exceptions: _____
9. The packing mechanism shall retain the compacted material in the body and provide protection for the operating cylinders.
☐ Meets Specifications or ☐ Exceptions: _____

10. When the packer plate reaches the interrupt position, it shall stop approximately 16" above the loading sill to avoid a pinching action. The packing control handles must then be reactivated to complete the cycle. The packing control handles shall be able to stop or reverse the packing mechanism at any point in the cycle. A single control for all functions is preferred.

☐ Meets Specifications or ☐ Exceptions: _____

N. EJECTION SYSTEM

1. Unloading by full ejection method only.

☐ Meets Specifications or ☐ Exceptions: _____

2. The upper 2/3 of the ejector panel face sheet shall be a minimum 11 gauge, 50,000 PSI yield strength steel. The lower 1/3 of the ejector panel face sheet shall be a minimum of 3/16" thick 50,000 PSI yield strength steel. The heavy-duty panel shall withstand the packing mechanism forces and the ejection of highly compacted refuse.

☐ Meets Specifications or ☐ Exceptions: _____

3. The ejector panel shall travel to full length of the body and be equal in area to the cross section area of the body.

☐ Meets Specifications or ☐ Exceptions: _____

4. The ejector panel shall be designed to act as a bulkhead against which refuse is compressed by the packing mechanism.

☐ Meets Specifications or ☐ Exceptions: _____

5. The ejector panel shall travel on six (6), 16" ultra high molecular weight polyethylene shoes and four (4), 8" phenolic guide shoes. These guide shoes shall be replaceable without removing the ejection panel from body.

☐ Meets Specifications or ☐ Exceptions: _____

6. At no time may any portion of the ejector panel, when in its rearmost position, extend beyond the plane of the rear body opening. However, the ejector panel must be capable of fully emptying the body.

☐ Meets Specifications or ☐ Exceptions: _____

O. HYDRAULIC SYSTEM

1. The hydraulic pump shall be a bi-directional spur gear type with wear compensating side plates using hydraulic pressure to keep them properly tensioned and positioned to maintain a consistent fluid flow rate. Pump shall be driven through a transmission mounted PTO.

☐ Meets Specifications or ☐ Exceptions: _____

2. The capacity of the pump shall not be rated at less than 42 gallons per minute at 1,200 RPM.

☐ Meets Specifications or ☐ Exceptions: _____

3. A factory sealed relief valve shall be set at a maximum of 1,650 PSI.

☐ Meets Specifications or ☐ Exceptions: _____

4. An externally mounted, in-line, 141 micron (100 mesh) suction strainer with built-in bypass shall be provided.

☐ Meets Specifications or ☐ Exceptions: _____

5. A 20 micron in-tank return line filter with a visual indicator to show when the filter is in a bypass mode shall be supplied.

☐ Meets Specifications or ☐ Exceptions: _____

6. A hydraulic steel reservoir of not less than 50 gallon capacity shall be provided and mounted on left front corner interior of the body. The tank shall be equipped with a breather filter to prevent the entrance of foreign matter, tank drain plug (magnetic type), and a bulls-eye at design oil level indicator showing service level with packer blade retracted and all systems at rest. The service lines to the hydraulic reservoir shall be fitted with shut-off valves on the suction and return lines. The shut-off valves shall be located in a manner which allows servicing of suction screen (100 mesh, minimum) and return line 10 micron filter. The tank shall be equipped with Aero-Quip Coupling Adaptor 502-12-10S and Dust Cap 5657-12-10S for oil filling. Breather filters to be Pall HC7400-SDT4H and Adaptor HHAM-7000, or equal. Dual lever operation of the packing blade is required.

Reservoir Capacity Offered: _____

Adaptor Manufacturer: _____

Model: _____

Dust Cap Manufacturer: _____

Model: _____

Breather Filter Manufacturer: _____

Model: _____

☐ Meets Specifications or ☐ Exceptions: _____

P. CAMERA SYSTEM FOR REAR LOADING REFUSE PACKERS

These specifications describe a color camera system that shall be fully compatible with the rear loading refuse packer. Do not include price of this camera system in the bid price of each refuse packer. This camera system shall be priced separately in Section 4 of the Pricing Pages. The City will determine at its own discretion whether or not this camera system will be selected. If selected, this camera system will be designated on a City Purchase Order or Vehicle Financing Program Order Letter. It shall be fully installed and ready for operation upon delivery of each refuse packer ordered.

The City currently owns Intec brand equipment. Other brands may be considered only if they are fully compatible with the existing Intec brand equipment, and if all parts of the other brand are fully interchangeable with all Intec brand parts. Bidders offering a different brand shall submit a copy of the Manufacturer's most recent specifications with bid.

1. Camera

One (1) rear mounted backup color camera shall be provided. The camera shall be mounted at the rear of the vehicle over the hopper. The camera provided shall be equipped with a sun shield, weatherproof, and mounted utilizing vibration and shock resistant mounts. Camera shall be Intec CVC470HXL. Installation shall be of a permanent nature utilizing tamper-proof nuts and bolts. Co-axial cable shall be CVXLP21MA polyurethane jacket and contained in rigid conduit for protection.

The camera shall meet the following requirements:

- a. Field of view, 100° vertical, 125° horizontal (minimum).
- b. Illumination, 0.5 lux (minimum).
- c. 320 lines of resolution (minimum).
- d. Shock resistant. Capable of withstanding continued 9G loads.
- e. Auto-iris lens, f2.0mm, f2.0 fixed focus.
- f. 12 VDC.
- g. IP 68 Waterproof rate.
- h. Utilize mil spec MIL-C-26482 ROHS compliant connection (500 hour salt spray minimum) between camera and cable.

2. Monitor

Monitor shall be on an adjustable base to permit easy viewing. Monitor shall have a sunshield. Monitor controls shall include automatic on, day/night sensitivity switch and shall be mounted to the ceiling in the center of the cab between the windshield and the air conditioning evaporator utilizing swivel mounting bracket, Intec Model No. CVSBN. Monitor shall incorporate multi camera switching through the Intec CVS500M multi-camera controller and remote. Monitor shall automatically switch to the rear-view camera when truck transmission is shifted into reverse gear.

Monitor shall be Intec CVD640LCD, and meet the following requirements:

- a. 6.4" color picture measured diagonally (minimum).
- b. 11-32 VDC.
- c. On-Screen LCD distance markers
- d. IP68 Waterproof rating
- e. Backlit control buttons on waterproof remote control.
- f. 50,000 hour LCD panel protected by polycarbonate cover.

Q. ADDITIONAL EQUIPMENT FEATURES

The following additional equipment features shall be priced separately on the Pricing Page as an option to the City. This section is for information only and will not be included in the award evaluation. Do not include this item in the Refuse Packer pricing page. If offered by the selected Contractor, the City has the discretion of placing an order for any of these equipment features as may be in its best interest. The selected optional equipment features will be specified on a Purchase Order and shall be delivered with the primary unit, ready for operation at the time of delivery. All equipment offered shall be compatible with the primary unit provided.

1. Cart Dumping Design

- a. The cart dumping mechanism shall be a Perkins Model D60801 tuck-away type (no exceptions) design and permit full utilization of the hopper during manual loading of containers without any obstructions.
 - ☐ Meets Specifications or ☐ Exceptions: _____
- b. The design and mounting of the dumper to the hopper sill shall permit full and safe access to the hopper during manual loading of bulk items.
 - ☐ Meets Specifications or ☐ Exceptions: _____
- c. The cart dumping mechanism shall be mounted to the refuse body and powered and controlled hydraulically without requiring electrical switches and/or solenoids.
 - ☐ Meets Specifications or ☐ Exceptions: _____

- d. The cart dumping mechanism shall be designed to accommodate, thirty two (32), 64 and 96 gallon refuse containers. The mechanism shall have a minimum lifting capacity of 300". Cart dumper must be compatible with the City's existing Toter, Zarn, Otto, and Rherig Pacific containers.

☐ Meets Specifications or ☐ Exceptions: _____

- e. The cart dumping mechanism shall be mounted assuring adequate ground clearance during typical conditions of loading and transporting. The cart dumping mechanism shall be mounted in the center of the hopper and hydraulic controls shall be located on the right hand side, rear of refuse body. Hydraulic lines shall be routed to eliminate chaffing or damage.

☐ Meets Specifications or ☐ Exceptions: _____

- f. The dumping mechanism and hydraulic system shall be capable of functioning properly at ambient temperature of 120° F.

☐ Meets Specifications or ☐ Exceptions: _____

2. Construction

The dumping mechanism shall be constructed to assure safety when lifting, emptying, and lowering containers without deformation, scratching, or otherwise damaging the container. The dumping mechanism provided shall incorporate a lifting plate, hydraulic cylinder, and hydraulic controls.

☐ Meets Specifications or ☐ Exceptions: _____

3. Operation

The dumping mechanism shall engage the container, without requiring manual lifting of the container, and shall rotate the container a minimum of 45° above horizontal and empty the contents of the container into the refuse body hopper. The mechanism shall then return to vertical and be capable of continuing its movement through the disengagement position to the storage, tuck-away, position under the hopper. Cycle time, vertical-dump-vertical, shall not exceed ten (10) seconds. Installation of equipment shall conform to all applicable requirements of ANSI and CAL-OSHA.

☐ Meets Specifications or ☐ Exceptions: _____

R. LAPTOP COMPUTER AND DIAGNOSTIC SYSTEM

Laptop diagnostic type computer with all needed connections to data link with the vehicle and of sufficient capacity to run all diagnostic functions and software shall be provided.

Software provided shall include all components accessible through the data link such as engine, transmission, and brake system.

The diagnostic system shall be delivered at the time the truck is delivered. Licensed software shall be provided with a minimum two years subscription for each specific component program.

BIDDER'S REFERENCES

The Bidder is **required** to provide a minimum of five (5) customers that have purchased similar equipment, during the past three (3) years. This will enable the City of San Diego to judge product reliability, Vendor performance and other information.

REFERENCES

Company Name: _____ Contact Name: _____

Address: _____ Phone Number: _____

_____ Fax Number: _____

Dollar Value of Contract: \$ _____ Contract Dates: _____

Requirements of Contract: _____

Company Name: _____ Contact Name: _____

Address: _____ Phone Number: _____

_____ Fax Number: _____

Dollar Value of Contract: \$ _____ Contract Dates: _____

Requirements of Contract: _____

Company Name: _____ Contact Name: _____

Address: _____ Phone Number: _____

_____ Fax Number: _____

Dollar Value of Contract: \$ _____ Contract Dates: _____

Requirements of Contract: _____

REFERENCES (*cont.*)

Company Name: _____ **Contact Name:** _____

Address: _____ **Phone Number:** _____

_____ **Fax Number:** _____

Dollar Value of Contract: \$ _____ **Contract Dates:** _____

Requirements of Contract: _____

Company Name: _____ **Contact Name:** _____

Address: _____ **Phone Number:** _____

_____ **Fax Number:** _____

Dollar Value of Contract: \$ _____ **Contract Dates:** _____

Requirements of Contract: _____

BIDDER'S STATEMENT OF SUBCONTRACTORS

The Bidder is **required** to state below all Subcontractors to be used in the performance of the proposed contract, and what portion of work will be assigned to each Subcontractor. Failure to provide details of Subcontractors may be grounds for rejection of bid. **NOTE:** Add additional pages if necessary.

Company Name: _____ Contact Name: _____

Address: _____ Phone Number: _____

_____ Fax Number: _____

Dollar amount of sub-contract: \$ _____ Contract Dates: _____

Requirements of contract: _____

What portion of work will be assigned to this subcontractor: _____

Company Name: _____ Contact Name: _____

Address: _____ Phone Number: _____

_____ Fax Number: _____

Dollar amount of sub-contract: \$ _____ Contract Dates: _____

Requirements of contract: _____

What portion of work will be assigned to this subcontractor: _____

Company Name: _____ Contact Name: _____

Address: _____ Phone Number: _____

_____ Fax Number: _____

Dollar amount of sub-contract: \$ _____ Contract Dates: _____

Requirements of contract: _____

What portion of work will be assigned to this subcontractor: _____

WARRANTY ACKNOWLEDGEMENT FORM

Prime Contractor and all Sub-Contractors listed below acknowledge and will adhere to all warranty provisions specified in Section III - General Requirements for items bid.

PRIME CONTRACTOR	
Company Name	
Address	

Signature: _____ Date: _____

SUB-CONTRACTOR	
Company Name	
Address	

Signature: _____ Date: _____

SUB-CONTRACTOR	
Company Name	
Address	

Signature: _____ Date: _____

SUB-CONTRACTOR	
Company Name	
Address	

Signature: _____ Date: _____

SUB-CONTRACTOR	
Company Name	
Address	

Signature: _____ Date: _____

BIDDER'S STATEMENT OF FINANCIAL RESPONSIBILITY

The Bidder is required to furnish below a statement of financial responsibility, except when the bidder has previously completed contracts with the City of San Diego covering work of similar scope.

I, _____, certify that my company, _____, has sufficient operating capital and/or financial reserves to properly fund the services identified in these contract specifications for a minimum of two (2) full months. I agree that upon notification of provisional award, I will promptly provide a copy of my company's most recent balance sheet, or other necessary financial statements, as supporting documentation for this statement, if requested. I understand that this balance sheet, as well as any other required financial records, will remain confidential information to the extent allowed under the California Public Records Act.

I certify under penalty of perjury under the laws of the State of California that the information contained in this statement is true and correct.

Dated: _____ Signature: _____



The City of San Diego
Purchasing and Contracting Department
Vendor Registration

Vendor ID:

Firm Information

Firm Name:
Firm Address:
City: State: Zip:
Phone: Fax:
Taxpayer ID: Business License:
Website:

Contact Information

Name:
Title:
Email:
Phone: Cell:

Address to Which Bids Should Be Sent (if different from above)

Check here if same from above ☐

Mailing Address:
City: State: Zip:

Contractor Licenses

License Number:		License Type:	
License Number:		License Type:	
License Number:		License Type:	
License Number:		License Type:	

Form continues on reverse side

Ownership Classification

Classification: *

(* select from the list of Ownership Classification Codes provided below)

Check here if Certified by Agency: ☐

Certification #:

Agency:

Certification #:

Agency:

Ownership Classification Codes:

MBE/African American	(Minority Business Enterprise/African American)
MBE/Hispanic	(Minority Business Enterprise/Hispanic)
MBE/Asian	(Minority Business Enterprise/Asian)
MBE/Pacific Islander	(Minority Business Enterprise/Pacific Islander)
MBE/Native American	(Minority Business Enterprise/Native American)
WBE	(Women Business Enterprise)
DBE	(Disadvantaged Business Enterprise)
DVBE	(Disabled Veteran Business Enterprise)
OBE	(Other Business Enterprise)

Product/Services Description:

Product/Services Information:

NAICS Codes: *

*select from a list of available NAICS Codes either from the website
<http://www.census.gov/epcd/www/naics.html>
and select 2007 NAICS codes 6 digit only
or from a hard copy available at Purchasing and Contracting



City of San Diego

EQUAL OPPORTUNITY CONTRACTING (EOC)

1200 Third Avenue • Suite 200 • San Diego, CA 92101

Phone: (619) 236-6000 • Fax: (619) 235-5209

WORK FORCE REPORT

The objective of the *Equal Employment Opportunity Outreach Program*, San Diego Municipal Code Sections 22.3501 through 22.3517, is to ensure that contractors doing business with the City, or receiving funds from the City, do not engage in unlawful discriminatory employment practices prohibited by State and Federal law. Such employment practices include, but are not limited to unlawful discrimination in the following: employment, promotion or upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rate of pay or other forms of compensation, and selection for training, including apprenticeship. Contractors are required to provide a completed *Work Force Report (WFR)*.

NO OTHER FORMS WILL BE ACCEPTED

Section 1.01 CONTRACTOR IDENTIFICATION

Type of Contractor: ☐ Construction ☐ Vendor/Supplier ☐ Financial Institution ☐ Lessee/Lessor
☐ Consultant ☐ Grant Recipient ☐ Insurance Company ☐ Other

Name of Company: _____

ADA/DBA: _____

Address (Corporate Headquarters, where applicable): _____

City: _____ County: _____ State: _____ Zip: _____

Telephone Number: () _____ Fax Number: () _____

Name of Company CEO: _____

Address(es), phone and fax number(s) of company facilities located in San Diego County **(if different from above)**:

Address: _____

City: _____ County: _____ State: _____ Zip: _____

Telephone Number: () _____ Fax Number: () _____

Type of Business: _____ Type of License: _____

The Company has appointed: _____

As its Equal Employment Opportunity Officer (EEOO). The EEOO has been given authority to establish, disseminate and enforce equal employment and affirmative action policies of this company. The EEOO may be contacted at:

Address: _____

Telephone Number: () _____ Fax Number: () _____

- ☐ One San Diego County (or Most Local County) Work Force - Mandatory
☐ Branch Work Force *
☐ Managing Office Work Force

Check the box above that applies to this WFR.

**Submit a separate Work Force Report for all participating branches. Combine WFRs if more than one branch per county.*

I, the undersigned representative of _____

(Firm Name)

_____, _____ hereby certify that information provided
(County) (State)

herein is true and correct. This document was executed on this _____ day of _____, 20____

(Authorized Signature)

(Print Authorized Signature Name)

WORK FORCE REPORT – Page 2

NAME OF FIRM: _____ DATE: _____

OFFICE(S) or BRANCH(ES): _____ COUNTY: _____

1. INSTRUCTIONS: For each occupational category, indicate number of males and females in every ethnic group. Total columns in row provided. Sum of all totals should be equal to your total work force. Include all those employed by your company on either a full or part-time basis. The following groups are to be included in ethnic categories listed in columns below:

- | | |
|--|--|
| (1) Black, African-American | (5) Filipino |
| (2) Hispanic, Latino, Mexican-American, Puerto Rican | (6) White, Caucasian |
| (3) Asian, Pacific Islander | (7) Other ethnicity; not falling into other groups |
| (4) American Indian, Eskimo | |

ADMINISTRATION OCCUPATIONAL CATEGORY	(1) Black		(2) Hispanic		(3) Asian		(4) American Indian		(5) Filipino		(6) White		(7) Other Ethnicity	
	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)
Management & Financial														
Professional														
A&E, Science, Computer														
Technical														
Sales														
Administrative Support														
Services														
Crafts														
Operative Workers														
Transportation														
Laborers*														

*Construction laborers and other field employees are not to be included on this page

Totals Each Column														
--------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Grand Total All Employees

Indicate by Gender and Ethnicity the Number of Above Employees Who Are Disabled:

Disabled														
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Non-Profit Organizations Only:

Board of Directors														
Volunteers														
Artists														

WORK FORCE REPORT – Page 3

NAME OF FIRM: _____ DATE: _____

OFFICE(S) or BRANCH(ES): _____ COUNTY: _____

I. INSTRUCTIONS: FOR EACH OCCUPATIONAL CATEGORY, INDICATE NUMBER OF MALES AND FEMALES IN EVERY ETHNIC GROUP. TOTAL COLUMNS IN ROW PROVIDED. SUM OF ALL TOTALS SHOULD BE EQUAL TO YOUR TOTAL WORK FORCE. INCLUDE ALL THOSE EMPLOYED BY YOUR COMPANY ON EITHER A FULL OR PART-TIME BASIS. THE FOLLOWING GROUPS ARE TO BE INCLUDED IN ETHNIC CATEGORIES LISTED IN COLUMNS BELOW:

- | | |
|--|--|
| (1) Black, African-American | (5) Filipino |
| (2) Hispanic, Latino, Mexican-American, Puerto Rican | (6) White, Caucasian |
| (3) Asian, Pacific Islander | (7) Other ethnicity; not falling into other groups |
| (4) American Indian, Eskimo | |

TRADE OCCUPATIONAL CATEGORY	(1) Black		(2) Hispanic		(3) Asian		(4) American Indian		(5) Filipino		(6) White		(7) Other Ethnicity	
	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)
Brick, Block or Stone Masons														
Carpenters														
Carpet, Floor & Tile Installers Finishers														
Cement Masons, Concrete Finishers														
Construction Laborers														
Drywall Installers, Ceiling Tile Inst														
Electricians														
Elevator Installers														
First-Line Supervisors/Managers														
Glaziers														
Helpers; Construction Trade														
Millwrights														
Misc. Const. Equipment Operators														
Painters, Const. & Maintenance														
Pipelayers, Plumbers, Pipe & Steam Fitters														
Plasterers & Stucco Masons														
Roofers														
Security Guards & Surveillance Officers														
Sheet Metal Workers														
Structural Metal Fabricators & Fitters														
Welding, Soldering & Brazing Workers														
Workers, Extractive Crafts, Miners														

Totals Each Column														
--------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Grand Total All Employees	
---------------------------	--

Indicate By Gender and Ethnicity the Number of Above Employees Who Are Disabled:

Disabled														
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--



CITY OF SAN DIEGO WORK FORCE REPORT

HISTORY

The Work Force Report (WFR) is the document that allows the City of San Diego to analyze the work forces of all firms wishing to do business with the City. We are able to compare the firm's work force data to County Labor Force Availability (CLFA) data derived from the United States Census. CLFA data is a compilation of lists of occupations and includes the percentage of each ethnicity we track (Black, Hispanic, Asian, American Indian, Filipino) for each occupation. Currently, our CLFA data is taken from the 2000 Census. In order to compare one firm to another, it is important that the data we receive from the consultant firm is accurate and organized in the manner that allows for this fair comparison.

WORK FORCE & BRANCH WORK FORCE REPORTS

When submitting a WFR, especially if the WFR is for a specific project or activity, we would like to have information about the firm's work force that is actually participating in the project or activity. That is, if the project is in San Diego and the work force is from San Diego, we want a San Diego County Work Force Report.¹ By the same token, if the project is in San Diego, but the work force is from another county, such as Orange or Riverside County, we want a Work Force Report from that county.² If participation in a San Diego project is by work forces from San Diego County and, for example, from Los Angeles County and from Sacramento County, we ask for separate Work

Force Reports representing your firm from each of the three counties.

MANAGING OFFICE WORK FORCE

Equal Opportunity Contracting may occasionally ask for a Managing Office Work Force (MOWF) Report. This may occur in an instance where the firm involved is a large national or international firm but the San Diego or other local work force is very small. In this case, we may ask for both a local and a MOWF Report.^{1,3} In another case, when work is done only by the Managing Office, only the MOWF Report may be necessary.³

TYPES OF WORK FORCE REPORTS:

Please note, throughout the preceding text of this page, the superscript numbers one ¹, two ² & three ³. These numbers coincide with the types of work force report required in the example. See below:

- ¹ One San Diego County (or Most Local County) Work Force – Mandatory in most cases
- ² Branch Work Force *
- ³ Managing Office Work Force

**Submit a separate Work Force Report for all participating branches. Combine WFRs if more than one branch per county.*

Exhibit A: Work Force Report Job categories-Administration

Refer to this table when completing your firm's Work Force Report form(s).

Management & Financial

Advertising, Marketing, Promotions, Public Relations, and Sales Managers
Business Operations Specialists
Financial Specialists
Operations Specialties Managers
Other Management Occupations
Top Executives

Professional

Art and Design Workers
Counselors, Social Workers, and Other Community and Social Service Specialists

Entertainers and Performers, Sports and Related Workers
Health Diagnosing and Treating Practitioners
Lawyers, Judges, and Related Workers
Librarians, Curators, and Archivists
Life Scientists
Media and Communication Workers
Other Teachers and Instructors
Postsecondary Teachers
Primary, Secondary, and Special Education School Teachers
Religious Workers
Social Scientists and Related Workers

Architecture & Engineering, Science, Computer

Architects, Surveyors, and Cartographers
Computer Specialists
Engineers
Mathematical Science Occupations
Physical Scientists

Technical

Drafters, Engineering, and Mapping Technicians
Health Technologists and Technicians
Life, Physical, and Social Science Technicians
Media and Communication Equipment Workers

Sales

Other Sales and Related Workers
Retail Sales Workers
Sales Representatives, Services
Sales Representatives, Wholesale and Manufacturing
Supervisors, Sales Workers

Administrative Support

Financial Clerks
Information and Record Clerks
Legal Support Workers
Material Recording, Scheduling, Dispatching, and Distributing Workers
Other Education, Training, and Library Occupations
Other Office and Administrative Support Workers
Secretaries and Administrative Assistants
Supervisors, Office and Administrative Support Workers

Services

Building Cleaning and Pest Control Workers
Cooks and Food Preparation Workers
Entertainment Attendants and Related Workers
Fire Fighting and Prevention Workers
First-Line Supervisors/Managers, Protective Service Workers
Food and Beverage Serving Workers
Funeral Service Workers
Law Enforcement Workers
Nursing, Psychiatric, and Home Health Aides
Occupational and Physical Therapist Assistants and Aides
Other Food Preparation and Serving Related Workers
Other Healthcare Support Occupations
Other Personal Care and Service Workers
Other Protective Service Workers
Personal Appearance Workers
Supervisors, Food Preparation and Serving Workers
Supervisors, Personal Care and Service Workers
Transportation, Tourism, and Lodging Attendants

Crafts

Construction Trades Workers
Electrical and Electronic Equipment Mechanics, Installers, and Repairers
Extraction Workers
Material Moving Workers
Other Construction and Related Workers
Other Installation, Maintenance, and Repair Occupations
Plant and System Operators
Supervisors of Installation, Maintenance, and Repair Workers
Supervisors, Construction and Extraction Workers
Vehicle and Mobile Equipment Mechanics, Installers, and Repairers
Woodworkers

Operative Workers

Assemblers and Fabricators
Communications Equipment Operators
Food Processing Workers
Metal Workers and Plastic Workers
Motor Vehicle Operators
Other Production Occupations
Printing Workers
Supervisors, Production Workers
Textile, Apparel, and Furnishings Workers

Transportation

Air Transportation Workers
Other Transportation Workers
Rail Transportation Workers
Supervisors, Transportation and Material Moving Workers
Water Transportation Workers

Laborers

Agricultural Workers
Animal Care and Service Workers
Fishing and Hunting Workers
Forest, Conservation, and Logging Workers
Grounds Maintenance Workers
Helpers, Construction Trades
Supervisors, Building and Grounds Cleaning and Maintenance Workers
Supervisors, Farming, Fishing, and Forestry Workers

Exhibit B: Work Force Report Job categories-Trade

Brick, Block or Stone Masons

Brickmasons and Blockmasons
Stonemasons

Carpenters

Carpet, floor and Tile Installers and Finishers

Carpet Installers
Floor Layers, except Carpet, Wood and Hard Tiles
Floor Sanders and Finishers
Tile and Marble Setters

Cement Masons, Concrete Finishers

Cement Masons and Concrete Finishers
Terrazzo Workers and Finishers

Construction Laborers

Drywall Installers, Ceiling Tile Inst

Drywall and Ceiling Tile Installers
Tapers

Electricians

Elevator Installers and Repairers

First-Line Supervisors/Managers

First-line Supervisors/Managers of Construction Trades and Extraction Workers

Glaziers

Helpers, Construction Trade

Brickmasons, Blockmasons, and Tile and Marble Setters
Carpenters
Electricians
Painters, Paperhangers, Plasterers and Stucco
Pipelayers, Plumbers, Pipefitters and Steamfitters
Roofers
All other Construction Trades

Millwrights

Heating, Air Conditioning and Refrigeration Mechanics and Installers
Mechanical Door Repairers
Control and Valve Installers and Repairers
Other Installation, Maintenance and Repair Occupations

Misc. Const. Equipment Operators

Paving, Surfacing and Tamping Equipment Operators
Pile-Driver Operators
Operating Engineers and Other Construction Equipment Operators

Painters, Const. Maintenance

Painters, Construction and Maintenance
Paperhangers

Pipelayers and Plumbers

Pipelayers
Plumbers, Pipefitters and Steamfitters

Plasterers and Stucco Masons

Roofers

Security Guards & Surveillance Officers

Sheet Metal Workers

Structural Iron and Steel Workers

Welding, Soldering and Brazing Workers

Welders, Cutter, Solderers and Brazers
Welding, Soldering and Brazing Machine Setter, Operators and Tenders

Workers, Extractive Crafts, Miners

*City of San Diego Purchasing & Contracting Department
CONTRACTOR STANDARDS
Pledge of Compliance

Effective December 24, 2008, the Council of the City of San Diego adopted Ordinance No. O-19808 to extend the Contractor Standards Ordinance to all contracts greater than \$50,000. The intent of the Contractor Standards clause of San Diego Municipal Code §22.3224 is to ensure the City of San Diego conducts business with firms that have the necessary quality, fitness and capacity to perform the work set forth in the contract.

To assist the Purchasing Agent in making this determination and to fulfill the requirements of §22.3224(d), each bidder/proposer must complete and submit this *Pledge of Compliance* with the bid/proposal. If a non-competitive process is used to procure the contract, the proposed contractor must submit this completed *Pledge of Compliance* prior to execution of the contract. A submitted *Pledge of Compliance* is a public record and information contained within will be available for public review for at least ten (10) calendar days, except to the extent that such information is exempt from disclosure pursuant to applicable law.

All responses must be typewritten or printed in ink. If an explanation is requested or additional space is required, respondents must use the *Pledge of Compliance Attachment "A"* and sign each page. The signatory guarantees the truth and accuracy of all responses and statements. Failure to submit this completed *Pledge of Compliance* may make the bid/proposal non-responsive and disqualified from the bidding process. If a change occurs which would modify any response, Contractor must provide the Purchasing Agent an updated response within thirty (30) calendar days.

A. PROJECT TITLE:

B. BIDDER/CONTRACTOR INFORMATION:

Legal Name	DBA		
Street Address	City	State	Zip
Contact Person, Title	Phone	Fax	

C. OWNERSHIP AND NAME CHANGES:

1. In the past five (5) years, has your firm changed its name?
☐ Yes ☐ No

If Yes, use *Pledge of Compliance Attachment "A"* to list all prior legal and DBA names, addresses and dates when used. Explain the specific reasons for each name change.

2. In the past five (5) years, has a firm owner, partner or officer operated a similar business?
☐ Yes ☐ No

If Yes, use *Pledge of Compliance Attachment "A"* to list names and addresses of all businesses and the person who operated the business. Include information about a similar business only if an owner, partner or officer of your firm holds or has held a similar position in another firm.

D. **BUSINESS ORGANIZATION/STRUCTURE:** Indicate the organizational structure of your firm. Check one only on this page. Use *Pledge of Compliance Attachment "A"* if more space is required.

☐ **Corporation** Date incorporated: ____/____/____ State of incorporation: _____

List corporation's current officers: President: _____
Vice Pres: _____
Secretary: _____
Treasurer: _____

Is your firm a publicly traded corporation? ☐ Yes ☐ No

If Yes, name those who own five percent (5%) or more of the corporation's stocks:

☐ **Limited Liability Company** Date formed: ____/____/____ State of formation: _____

List names of members who own five percent (5%) or more of the company:

☐ **Partnership** Date formed: ____/____/____ State of formation: _____

List names of all firm partners:

☐ **Sole Proprietorship** Date started: ____/____/____

List all firms you have been an owner, partner or officer with during the past five (5) years. Do not include ownership of stock in a publicly traded company:

☐ **Joint Venture** Date formed: ____/____/____

List each firm in the joint venture and its percentage of ownership:

Note: Each member of a Joint Venture must complete a separate *Contractor Standards Pledge of Compliance* for a Joint Venture's submission to be considered responsive.

E. FINANCIAL RESOURCES AND RESPONSIBILITY:

1. Is your firm in preparation for, in the process of, or in negotiations toward being sold?
☐ Yes ☐ No

If Yes, use *Pledge of Compliance Attachment "A"* to explain specific circumstances, including name of the buyer and principal contact information.

2. In the past five (5) years, has your firm been denied bonding?
☐ Yes ☐ No

If Yes, use *Pledge of Compliance Attachment "A"* to explain specific circumstances; include bonding company name.

3. In the past five (5) years, has a bonding company made any payments to satisfy claims made against a bond issued on your firm's behalf or a firm where you were the principal?
☐ Yes ☐ No

If Yes, use *Pledge of Compliance Attachment "A"* to explain specific circumstances.

F. PERFORMANCE HISTORY:

1. In the past five (5) years, has your firm been found civilly liable, either in a court of law or pursuant to the terms of a settlement agreement, for defaulting or breaching a contract with a government agency?
☐ Yes ☐ No

If Yes, use *Pledge of Compliance Attachment "A"* to explain specific circumstances.

2. In the past five (5) years, has a government agency terminated your firm's contract prior to completion?
☐ Yes ☐ No

If Yes, use *Pledge of Compliance Attachment "A"* to explain specific circumstances and provide principal contact information.

G. COMPLIANCE:

1. In the past five (5) years, has your firm or any firm owner, partner, officer, executives or management been criminally penalized or found civilly liable, either in a court of law or pursuant to the terms of a settlement agreement for violating any federal, state or local law in performance of a contract, including but not limited to laws regarding health and safety, labor and employment, wage and hours, and licensing laws which affect employees?
☐ Yes ☐ No

If Yes, use *Pledge of Compliance Attachment "A"* to explain specific circumstances surrounding each instance; include name of entity involved, specific infraction(s) or violation(s), dates of instances, and outcome with current status.

2. In the past five (5) years, has your firm been debarred or determined to be non-responsible by a government agency?
☐ Yes ☐ No

If Yes, use *Pledge of Compliance Attachment "A"* to explain specific circumstances of each instance; include name of entity involved, specific infraction, dates, and outcome.

H. BUSINESS INTEGRITY:

1. In the past five (5) years, has your firm been convicted of or found liable in a civil suit for making a false claim or material misrepresentation to a private or governmental entity?

☐ Yes ☐ No

If Yes, use *Pledge of Compliance Attachment "A"* to explain specific circumstances of each instance; include the entity involved, specific infraction(s) or violation(s), dates, outcome and current status.

2. In the past five (5) years, has your firm or any of its executives, management personnel, or owners been convicted of a crime, including misdemeanors, or been found liable in a civil suit involving the bidding, awarding, or performance of a government contract?

☐ Yes ☐ No

If Yes, use *Pledge of Compliance Attachment "A"* to explain specific circumstances of each instance; include the entity involved, specific infraction(s), dates, outcome and current status.

I. TYPE OF SUBMISSION: This document is submitted as:

- ☐ Initial submission of *Contractor Standards Pledge of Compliance*.
☐ Update of prior *Contractor Standards Pledge of Compliance* dated ____/____/____.

Complete all questions and sign below. Each *Pledge of Compliance Attachment "A"* page must be signed.

Under penalty of perjury under the laws of the State of California, I certify I have read and understand the questions contained in this *Pledge of Compliance* and that I am responsible for completeness and accuracy of responses and all information provided is true to the best of my knowledge and belief. I further certify my agreement to the following provisions of San Diego Municipal Code §22,3224:

- (a) To comply with all applicable State and Federal laws, including health and safety, labor and employment, and licensing laws that affect the employees, worksite or performance of the contract.
- (b) To notify the Purchasing Agent within fifteen (15) calendar days upon receiving notification that a government agency has begun an investigation of the Contractor that may result in a finding that the Contractor is or was not in compliance with laws stated in paragraph (a).
- (c) To notify the Purchasing Agent within fifteen (15) calendar days when there has been a finding by a government agency or court of competent jurisdiction of a violation by the Contractor of laws stated in paragraph (a).
- (d) To provide the Purchasing Agent updated responses to the *Contractor Standards Pledge of Compliance* within thirty (30) calendar days if a change occurs which would modify any response.
- (e) To notify the Purchasing Agent within fifteen (15) days of becoming aware of an investigation or finding by a government agency or court of competent jurisdiction of a violation by a subcontractor of laws stated in paragraph (a).
- (f) To cooperate fully with the Purchasing Agent and the City during any investigation and to respond to a request for information within ten (10) working days from the request date.

Failure to sign and submit this form with the bid/proposal shall make the bid/proposal non-responsive.

Print Name, Title

Signature

Date

City of San Diego Purchasing & Contracting Department
CONTRACTOR STANDARDS
Pledge of Compliance

Provide additional information in space below. Use additional *Pledge of Compliance Attachment "A"* pages as needed; sign each page. Print in ink or type responses and indicate question being answered. Information provided will be available for public review, except if exempt from disclosure pursuant to applicable law.

Under penalty of perjury under the laws of the State of California, I certify I have read and understand the questions contained in this *Contractor Standards Pledge of Compliance* and that I am responsible for completeness and accuracy of responses on this *Pledge of Compliance Attachment "A"* page and all information provided is true to the best of my knowledge.

Print Name, Title

Signature

Date



ATTACHMENT A

City of San Diego Expectations of Ethical Business Conduct (Effective date: 11/1/08)

Introduction

This document has been created to promote and enhance public trust and confidence in the integrity of the City of San Diego's ("City") procurement process, and to ensure that City officials and employees are independent, impartial and responsible to the City taxpayers.

The City operates in a highly regulated environment and, as a result has many rules and regulations that Contractors must follow. These consist of not only federal and state laws and regulations but also the City's own requirements. In their dealings with the City, Contractors are expected to exercise caution and avoid even the appearance of impropriety or misrepresentation. The City values the relationships that have been developed with its Contractors. These relationships have been built on a foundation of honesty, trust and a commitment to ethical business practices.

This document is a summary statement of the City's expectations concerning the ethical business conduct of contractors doing business with or on behalf of the City. By "Contractor" the City means any company or individual that provides or wants to provide a product or service or engage in a marketing partnership directly or indirectly to or with the City. By "Marketing Partnership" the City means a mutually beneficial business arrangement between the City and a Contractor, wherein the Contractor provides cash and/or in-kind services to the City in return for access to the marketing potential associated with the City.

Business Conduct

- A. ***Provide Contracting Excellence*** – Contractors are expected to deliver high quality, innovative and cost-effective goods and services to the City, so that the public is served with the best value for its dollars.
- B. ***Employ Good Business Practices*** – Contractors and their Representatives shall conduct their employment and business practices in full compliance with all applicable laws of the United States of America, the State of California, the County of San Diego, and the City, as well as all applicable City policies, including, but not limited to, the following:
 - ***Equal Employment Opportunity Contracting*** – A Contractor cannot discriminate against an employee or applicant for employment or subcontractor on any basis prohibited by law. Contractors are not permitted to discriminate on the basis of race, gender, religion, national origin, ethnicity, sexual orientation, age, or disability in the solicitation, selection, hiring or treatment of subcontractors, vendors, suppliers, and/or in the provision of goods, services, facilities, privileges, advantages and accommodations. Contractors must comply with the City's Nondiscrimination in Contracting Ordinance. [Municipal Code §§ 22.3501 through 22.3517]

- **Equal Opportunity Outreach Program** - All Contractors doing business with the City, and their subcontractors, must comply with the requirements of the City's Equal Opportunity Outreach Program. [Municipal Code §§ 22.2702 through 22.2707]
 - **Health and Safety** – Contractors shall provide a safe and healthy work environment as set forth in any Agreement with the City and shall fully comply with all insurance carrier mandated safety requirements and all applicable safety and health laws, regulations, and practices.
 - **Americans with Disabilities Act/Title 24** - A Contractor awarded a contract, lease, or grant by the City must comply with Council Policy 100-04 relating to the federally mandated Americans with Disabilities Act (ADA) and Title 24 of the California Code of Regulations (California Physical Access Laws).
 - **Drug Free Environment** – Contractors, in the performance of their duties and obligations, shall comply with the City's Drug-Free Workplace requirements [City of San Diego Resolution No. R-277952 adopted May 20, 1991, Council Policy 100-17].
 - **Cooperative Environment** - A Contractor shall be responsible for working in harmony with all others involved with this Contract. Employees and agents of Contractor shall, while on the premises of the City, comply with all City rules and regulations.
 - **No Harassment** – A Contractor shall not engage in any sexual or any other harassment, physical or verbal abuse, or any other form of intimidation with respect to its own or any City Official or employee.
 - **Living Wage Ordinance** - Many Service Contractors, Financial Assistance Recipients and/or City Facility Employers may be required to comply, and require each of its subcontractors to comply, with the provisions of the City's Living Wage Ordinance. Contractors should consult the ordinance and their legal counsel to determine its applicability. [Municipal Code §§ 22.4201 et seq.]
- C. **Compliance with City Procurement Process** – Contractors shall comply with all City laws, regulations policies, procedures, and requirements governing the City's procurement process. For more information, see Municipal Code §§ 22.3001 et seq. [Contract Definition, Competitive Bidding Procedures and Contract Alterations], §§ 22.3101 et seq. [Public Works Contracts], §§ 22.3201 et seq. [Contracts for Personal Services, Goods and Consultants], §§ 22.3301 et seq. [Design-Build Contracts], §§ 22.3401 et seq. [Alternative Procurement of Design-Build Contract for Qualifying Complex Public Facilities], §§ 22.3501 et seq. [Nondiscrimination in Contracting], §§ 22.3601 et seq. [Bidding and Award Requirements for Minor Public Works Contracts] and Purchasing and Contracting Department's "Vendor Information" web page - <http://www.sandiego.gov/purchasing/vendor/index.shtml>.
- D. **Use of City Resources** – Contractors and their Representatives shall use City assets (including, but not limited to, time, property, supplies, services, consumables, equipment, technology, intellectual property, and information) only for City business-related purposes.
- E. **Confidentiality** – Contractors and their Representatives shall protect and maintain confidentiality of the professional services they provide to the City, *unless*, otherwise specifically authorized by the City, in writing, or otherwise legally mandated by law.
- F. **Marketing Partnerships** - The City accepts the principle that Contractors may become marketing partners with the City in sponsorship of City-approved programs, projects, events, facilities or activities where such partnerships are mutually beneficial to both parties in a manner consistent with all applicable policies and ordinances set by the City. Under conditions of Council Policy 000-40, City staff may solicit marketing partnerships for the City.

- G. ***Affiliation with the City*** – Contractors are expressly prohibited from producing any advertisement that refers to the City as a user of a product, material or service of the Contractor or any subcontractor, material supplier, vendor or Manufacturer, without a written agreement from the Mayor or his/her designee. This rule does not preclude a contractor from identifying the City of San Diego as a reference or as a former client in proposals for work submitted to other corporate, government or other legal entities. [City Council Policy 000-40; City Council Policy 000-41]
- H. ***Product Endorsement*** – Endorsements by the City or its employees of commercial products or services of a Contractor, when such endorsement will be used by the Contractor for advertising purposes are prohibited unless there is a written agreement from the Mayor or his/her designee. An agency or organization which in whole or in part receives City funds shall adopt and follow a similar policy prohibiting that agency's or organization's endorsement of commercial products or services. [City Council Policy 000-40; City Council Policy 000-41; Administrative Regulation 95.65]
- I. ***Gift Limits/Prohibitions*** – Contractors and their Representatives shall abide by the City's gift/favors limitations, as related to City officials/employees, and as set forth in Municipal Code § 27.3501, Council Policy 000-4 and Administrative Regulation 96.50 § 3.4.
Companies, contractors or vendors are not permitted to give to an employee of the Purchasing & Contracting Department any gifts, gratuities, meals, or favors so as not to give even the appearance of a conflict of interest.
- J. ***Campaign Contributions*** - All Contractors and subcontractors are charged with full knowledge of the requirements of San Diego Municipal Election Campaign Control Ordinance [Municipal Code § 27.2901 et seq.] regarding the making of campaign contributions, and shall not violate or conspire with any other person to violate this ordinance.
- K. ***Employment of Former City Employees*** – A Contract may be unilaterally and immediately terminated by the City if the Contractor or any of its Subcontractors and/or Subconsultants knowingly employs an individual who, within the twelve (12) months immediately preceding such employment did, in the individual's capacity as a City officer or employee, participate in, negotiate with or otherwise have an influence on the recommendation made to the City Council in connection with the selection of the Contractor and its Subcontractors and or Subconsultants. [Council Policy 300-11]

As well, City employees are not permitted to negotiate future employment with any Contractor, in the instance where the employee's City employment status could create an advantage not available to other individuals, firms or organizations. [Administrative Regulation 95.60 § 3.10]

- L. ***Communications Limitations*** – Contractors and their representatives shall observe communication limitations with City Officials and employees during the times of the procurement/contracting process, as set out by City Purchasing and Contracting Department policies, to ensure that the process is shielded from even the appearance of undue influence.

If a Contractor employs a former City employee, that former City employee is not permitted to communicate with any City employee on any issue or matter in which the former City employee had official responsibility or participation, for a period of one year from the former employee's final date of employment. [Administrative Regulation 95.60 § 3.10]

Conflict of Interest/Disclosure Obligations

Contractors are subject to all federal, state and local conflict of interest and disclosure laws, regulations, and policies applicable to public contracts and procurement practices, including, but not limited to, California Government Code sections 1090, et seq. and 81000, et seq., California Corporations Code §§ 7230-7238 and §§ 5230-5240, City of San Diego City Charter § 225, the City of San Diego Ethics Ordinance, codified in the San Diego Municipal Code at sections 27.3501 to 27.3595, the “Conflict of Interest and Procurement Policy for Non Profit Corporations Contracting with the City of San Diego” and as required a City department policy or regulation. Some Contractors, under certain specified circumstances, may be required to file a Statement of Economic Interest.

Political Activity

For contracts funded by federal sources or Transient Occupancy tax funds, contractors and subcontractors are prohibited from using funds, personnel, or materials received for certain lobbying or political activities. Any prohibitions on the use of contract funds for lobbying or political activities will be specified in the contract language.

Transparency in Lobbying

Contractors and their Representatives shall abide by City’s Municipal Lobbying Ordinance [Municipal Code § 27.4000 et seq.] and register and fulfill the associated requirements, if they qualify as lobbying firms, organization lobbyist, or expenditure lobbyists as defined by Municipal Code § 27.4002.

False Claims

Contractors who make false charges on claims for any payment submitted to the City violate the California False Claims Act, Cal. Government Code §§ 12650-12655.

Violation of Anti-Competitive Business Practices or Unfair Trade Practices

Contract bidders shall not engage in any acts or omissions, in violation of federal, state or municipal law, the City Charter, or City policies and regulations, involving anti-competitive practices, unfair trade practices, collusion, contingent fees, gratuities, kickbacks, contemporaneous employment, or similar violations creating an unfair influence on the public bidding and award process pertaining to a contract or proposal, in violation of federal, state, or municipal law, the City Charter, or City policies and regulations, shall void the contract. In addition to any other remedies or damages allowed by law, the Bidder shall be liable to the City for all damages the City incurs and shall be subject to debarment.

Enforcement

Enforcement of these provisions maybe found in your contract and in local, state and federal law.

This document does not address all ethical issues which may arise in the course of doing business with the City. Nor does it describe all legal contracting requirements that Contractors, doing business with the City, are required to comply with. Because the principles described in this document are summary in nature, Contractors are responsible for reviewing all applicable local, state and federal law, as well as the City Charter, ordinances, policies, procedures and regulations for more specific information and instruction.

Contractors should consult with their legal counsel if there are questions concerning compliance with applicable local, state or federal laws.

ATTACHMENT B
City of San Diego
EQUIPMENT AND VEHICLE FINANCING PROGRAM

Vendor Requirements

The Equipment and Vehicle Financing Program is a lease-to-purchase program to finance City equipment acquisitions. At the City's option, the Equipment and Vehicle Financing Program may be used to fund new acquisitions. The following information outlines the Equipment and Vehicle Financing Program requirements for vendors.

EQUIPMENT ORDERS

Successful Bidders will receive an Order Letter in place of a Purchase Order from the City's Financing Services Department. A sample Order Letter is attached. The Order Letter will designate the equipment to be ordered and will confirm that the City has obtained pre-approval from a lease provider to fund the acquisition.

- Sign the Order Letter and return a copy to City of San Diego Financing Services, within ten (10) business days to acknowledge receipt of the order.
- The Order Letter will designate a lease number to be used by the vendor on all shipping and billing documents.

DOCUMENTATION REQUIRED FROM VENDORS PRIOR TO FUNDING

The lease provider will make full payment to the vendor upon receiving approval from the City. The City will provide approval only after the equipment has been accepted by the acquiring Department and the complete documentation from the vendor detailed below has been received.

- Two invoice copies are required: one (1) to be provided directly to the City Department acquiring the equipment and one (1) to be provided directly to the City's Financing Services Department. Addresses are provided in the Order Letter.
- A copy of the Manufacturer's Certificate of Origin for vehicles is required by the City's lease provider prior to funding the equipment. Vendors are requested to provide a copy of the Manufacturer's Certificate of Origin to the City with the invoices at the time of delivery or a minimum of seven (7) business days prior to receipt of funds.
- The lease provider is required to be designated as lienholder on the title and Manufacturer's Certificate of Origin for all vehicles purchased. The City will be named as titleholder.

SALES TAX PAYMENT

Sales tax will not be financed.

- Sales tax will be paid by the City directly to California vendors in a separate check at 7.75%.
- Sales tax will be paid by the City directly to the State of California at 7.75%, for out-of-state vendors. This will be confirmed in the Order Letter. If further verification of sales tax payment is required by out-of-state vendors, contact the Master Lease Program Administrator.

PAYMENT FOR EQUIPMENT

Funding will require a minimum of seven (7) business days for processing by Financing Services and the City's lease provider, after receipt of written acceptance of the equipment from the acquiring City department. Acquisitions CAN NOT and WILL NOT be funded until the acquiring City department accepts and approves the equipment.

Funds will be wired or overnighted by the lease provider, depending on the dollar value of the acquisition. Financing Services will notify vendors of the date funds are scheduled to be wired or overnighted.

To receive wired funds, vendors must provide the following information on COMPANY LETTERHEAD:

- Name, address and telephone number of bank to which funds are to be wired;
- Bank routing number;
- Account number and account name;
- Signature and title of person supplying this information; and,
- Vendor federal tax I.D. number

QUESTIONS

- Questions about the Equipment and Vehicle Financing Program may be directed to Sonya Prado, Debt Management, (619) 236-6640.
- Vendors are prohibited from contacting the City's lease provider regarding the Equipment and Vehicle Financing Program or vendor payment status.

Date

Vendor Representative

Vendor Name

Street Address

City, State Zip Code

Dear Mr./Ms:

Subject: Bid Number

The City of San Diego is ordering the equipment described below from **VENDOR** in accordance with the specifications of bid number ###. This order is independent of any other equipment the City of San Diego may order from **VENDOR** through a purchase order. The total price of this order is \$ _____ plus sales tax. The equipment will be funded by the City through a lease purchase agreement with **LEASE PROVIDER**. Preapproval of the lease purchase through **LEASE PROVIDER** is enclosed.

The equipment to be lease purchased is:

- Quantity (#) Brand Name, Model, and Description

This letter authorizes **VENDOR** to provide the City with the equipment as specified and to bill the City for the sale. Upon passing the City's incoming inspection and upon receipt of original invoice(s) and, if appropriate, manufacturer's certificate(s) of origin, the City will notify **LEASE PROVIDER** to make payment for the equipment. The sales tax will be paid by the City to **VENDOR** in a separate check at 7.75%.

Please use lease #**NUMBER** on all shipping and billing documents related to this order. Where appropriate, equipment identification number(s) should be listed on the invoice(s). Please send original invoices to the City at the following addresses:

City Department

Mark Caroccia
Financing Services
City of San Diego
2740 Caminto Chollas, MS42
San Diego, CA 92105

Page 2 - LEASE NUMBER

Vendor Representative

Vendor.

Please sign below, indicating your acceptance of this order, and return a copy of this letter within ten (10) business days to Sonya Prado at the above address. Please refer questions regarding the leasing procedure to Sonya Prado, Financing Services, (619) 533-6491. Thank you.

Sincerely,

Mary Lewis

Chief Financial Officer

kb

Enclosure: Lease Pre-Approval Form

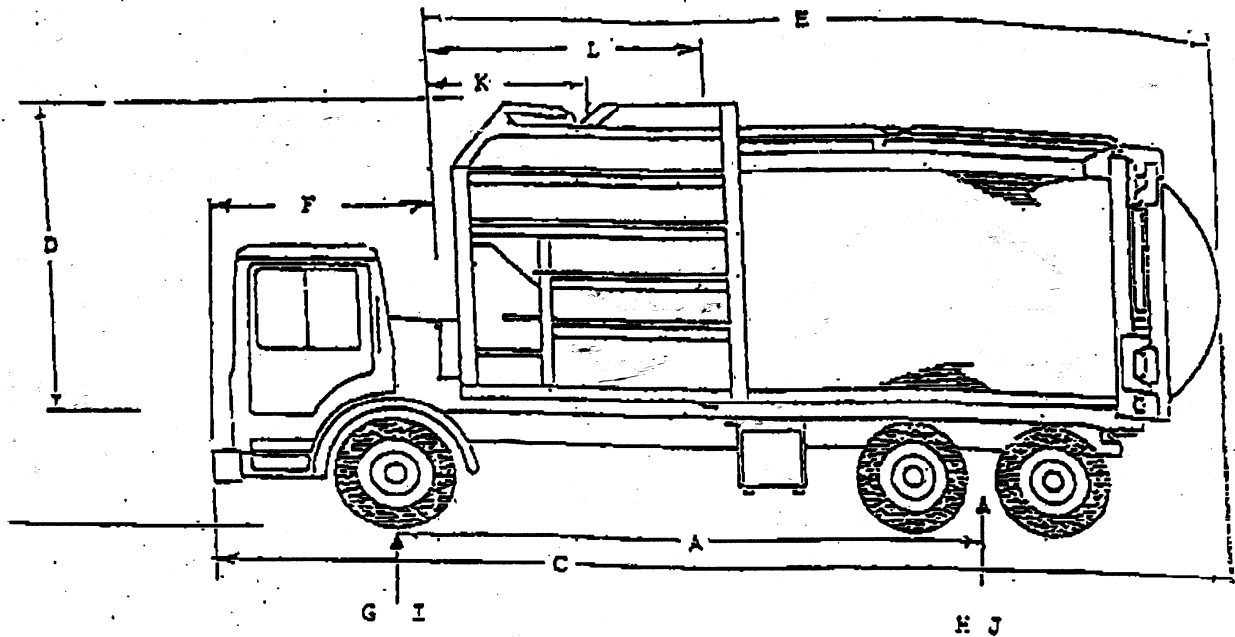
Vendor

Date

ATTACHMENT C

GROUND REACTION AND SPECIFICATION CHART

THE VENDOR SHALL SUBMIT A GROUND REACTION CHART FOR BOTH
THE FRONT LOADER AND REAR LOADER



- A. Wheel Base _____ inches
- C. Overall Length _____ inches
- D. Height Above Frame _____ inches
- E. Body Length _____ inches
- F. Bumper to Back of Cab _____ inches
- G. Front Axle Loading Empty _____ pounds
- H. Rear Axle Loading Empty _____ pounds
- I. Front Axle Loading (10 Ton Payload) _____ pounds
- J. Rear Axle Loading (10 Ton Payload) _____ pounds
- K. Center of Gravity (Empty Truck) _____ inches
- L. Center of Gravity (10 Ton Payload) _____ inches
- M. Overall Height _____ inches