

Item Number	Group VIII – 25 yard Diesel Rear Loader Refuse Trucks Description	Compliance	Exception
	kit shall all be mounted inside the cab.		
1.6	A placard with the “overall” height shall be mounted in the cab dash area for clear view of the driver.		
<b>2. STANDARD EXTERIOR CONTENT</b>			
2.1	Mirrors: Eight (8)” (driver/passenger sides) Adjustable west coast mirrors with convex spot mirrors.		
2.2	Truck cab shall be Forrester Green		
2.3	Low cab or standard cab		
<b>3. BODY AND CHASSIS</b>			
3.1	GVWR: Gross Vehicle Weight Rating to be a minimum of 66,000 lb. Indicate proposed total GVWR and maximum GAWR for each axle.		
3.2	<b>Frame:</b>		
3.3	Manufacturer’s standard to meet GVWR and trash body capacities		
3.4	Wheelbase: Appropriate for proposed chassis. State dimension:		
3.5	Wheelbase: Appropriate for proposed chassis. State dimension:		
<b>4. DRIVE TRAIN</b>			
4.1	<b>Engine:</b>		
4.1.1	Cummins Engine currently in production for manufacturer’s GVWR vehicle capacity		
4.1.2	Engine warranty: Five (5) years (100% parts and service)		
4.2	<b>TRANSMISSION:</b>		
4.2.1	Allison 4000 series or compatible configuration based on engine being bid.		
4.2.2	Transmission ETC-five (5) years warranty shall be included; five (5) years (100% parts and service)		
4.2.3	Thelma electric brake retarder.		
4.3	<b>STEERING:</b>		
4.3.2	Tilt and telescopic steering wheel		
4.4	<b>FRONT AND REAR SUSPENSION :</b>		
4.4.1	Engineered to accommodate the bided chassis		
4.5	<b>WHEELS/TIRES:</b>		
4.5.1	Front Wheels: Stud piloted steel disc wheels 22.5 inches by 9 inches		
4.5.2	Front Tires: 315 x 80R 22.5, 20-ply rating tubeless radial		

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4.5.3	Rear Wheels: Steel disc 22.5 inches x 8.25 inches		
4.5.4	Rear Tires: 11R x 22.5, 16 ply rating tubeless radial		
4.5.5	Splash guards and mud flaps shall be provided around the front wheel openings.		
<b>5. BRAKES</b>			
5.1	Full air brake system with ABS.		
5.2	Clear Drain air dryer system installed. The Clear Drain System is to be installed in accordance with all manufacturers' directions. The Clear Drain mounting shall also be in such a manner as to protect and hold the unit safe from damage caused by loose or fixed objects. The mounting shall also allow ease of access for repairs and maintenance.		
<b>6. ELECTRICAL</b>			
6.1	Alternator should be designed to accommodate all chassis components.		
6.2	Battery: heavy duty with a total of 2,750 CCA minimum.		
6.3	Daytime running lights.		
6.4	Backup Alarm		
6.5	A factory battery disconnect switch		

Item Number	Group VIII–25 yard Diesel Rear Loader Refuse Truck Description	Compliance	Exception
<b>7. Capacities/Performance</b>			
7.1	Packer body must meet all applicable ANSI Z-245.1 safety standards		
7.2	High compaction design packing system with a packing rate of a minimum of 1,000 pounds per cubic yard		
7.3	Maximum overall clearance height shall not exceed 102 inches above the chassis frame		
7.4	Maximum overall width shall not exceed 96 inches		
<b>8. HOPPER</b>			
8.1	Capacity shall be a minimum of 3.5 cubic yards as rated by TBEA and ANSI standards		
8.2	Tailgate to incorporate steps, on both sides of the tailgate and are to be bolt on and made with grip strut material and shall be 9.5" width x 33.5" length. Red/white 3-M reflective conspicuity tape shall be		

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	applied to the edge of the platforms, steps and around the complete hopper loading area		
<b>9. MOBILE REFUSE CONTAINER DUMPING UNIT</b>			
9.1	Tipper: Diamond Back or equivalent with two tippers affixed to the hopper equally spaced on an attachment plate		
9.2	Warranty shall be no less than two (2) years from date of delivery		
9.3	A Rehrig Pacific RFID system will be installed on the hopper with the ability to read UHF RFID devices when the dump unit is activated.		
<b>10. SAFETY FEATURES</b>			
10.1	The body shall have heavy-duty, adjustable riding platforms at the rear sides of the body. The platforms shall have a minimum of 384 square inch standing surface.		
10.2	Two (2) 12" x 12" inch permanent decals on rear of vehicle. Right side shall be yellow letters with black background, CAUTION this vehicle makes wide right turns. Left side shall be black letters with yellow background CAUTION this vehicle makes frequent stops. Shall not interfere with RFID Reader		
10.3	Two (2) universal safety vehicle emblems to signify "Slow Moving Vehicle" to be mounted visible on the top of rear tailgate (Emblems shall be adhesive decal).		
10.4	Non-skid material shall be provided on all grab handles and step		
10.5	A 2" red/white, 3-M reflective conspicuity tape shall be applied to the front, rear and side of the entire cab and body of the truck. Conspicuity tape shall also be applied to the rear, top and bottom of the body hopper area		
10.6	A three (3) camera system shall be provided mounted in the hopper area, on the dumping mechanism arm, and rear of the vehicle on the rear door for viewing the dumping operations and when the vehicle is placed in a reverse mode, all located as to not interfere with packer operations..		
<b>11. LIGHTS</b>			
11.1	All brake, hazard warning, signal, clearance, and tail lights shall LED design.		

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Item Number	Group VIII-25 yard Diesel Rear Loader Refuse Truck Description	Compliance	Exception
11.2	Automatic backup lights shall be provided		
11.3	Additional set of lights shall be mounted on the upper portion of the tailgate (to include brake, signal and tail lights).		
11.4	Two (2) flood lights shall be provided in hopper area		
<b>12. HYDRAULIC QUICK DISCONNECT</b>			
12.1	Two (2) quick disconnect fittings to be installed in hydraulic system for unloading disabled vehicles with an auxiliary hydraulic power unit. Auxiliary hydraulic power unit to be provided by the vendor.		
12.2	One (1) way valve included in pressure side		
<b>13. SPECIAL EQUIPMENT/SAFETY</b>			
13.1	Tool rack for storing shovels, rakes etc., to be installed on the passenger side under the body or as space permits		
13.2	Provide rack for five (5) gallon water keg mounted outside the cab with retainer straps with a mud flap to prevent the keg from debris or an approved water bottle storage compartment area		
13.3	Total vehicle ground clearance height shall be marked on the left and right front sides of the body in four (4) inch high lettering		
13.4	Two (2) 12" x 12" inch permanent decals on rear of vehicle. Right side shall be yellow letters with black background, "CAUTION this vehicle makes wide right turns". Left side shall be black letters with yellow background "CAUTION this vehicle makes frequent stops".		
13.5	Two (2) universal safety vehicle emblems to signify "Slow Moving Vehicle" to be mounted visible on the top of rear tailgate (Emblems shall be adhesive decal)		
<b>14. PAINT</b>			
14.1	Truck cab shall be Forrester Green or an approved equal color		
14.2	Body shall be Blue Akzo Nobel or an approved equal color		
14.3	City of Atlanta sign graphic shall be created and installed, centered on each side of truck body with lettering white and shaded in red.		
14.4	Sign graphics shall be approved by the City of Atlanta prior to installation. The sign shall include		

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	the City of Atlanta Solid Waste Services and conform to the body side of the unit. (SEE ATTACHMENT 'A')		
14.5	A two (2) inch red/white reflective stripe shall extended on each side, front, and rear of the vehicle		
14.6	The entire front bumper area shall be covered with 3-M, red/white reflective conspicuity tape. The tape shall be 2" wide and placed at an alternating sequence on a 45-degree alignment		
<b>15. WARRANTY</b>			
15.1	Packer Unit: One (1) year from original delivery date		
15.2	Warranty facilities shall have serviced said equipment for a minimum of five (5) years as the factory's authorized service center		
15.3	Vendor must be able to provide onsite warranty repair and service for the City of Atlanta's fleet.		
15.4	Vendor shall provide a supply of high use consumable materials including those dedicated to the preventive maintenance of the unit for a period of one (1) year.		
15.5	All warranty repairs must be completed within <b>48 hours</b>		
15.6	All warranty repairs taking more than 48 hours must be documented in writing by the vendor and a completion date will be agreed on by the city		
15.7	Provide copies of standard warranty for assembled and delivered vehicle.		
15.8	Provide forms for delayed warranty start if vehicle delivery to COA is delayed due to upfit of special equipment or modification.		
15.9	Provide copies of standard warranty for systems and components as provided by individual suppliers.		
15.10	As a continuous operation of the vehicle described by this specification, it is of utmost importance for the successful bidder to be in a position to furnish replacement parts. Accordingly, bidders shall indicate the extent of their ability to provide parts by furnishing a list of branch offices or agencies where complete stocks of repair parts are maintained and can be secured within 24 hours after ordering by part number from the manufacturer's part book and at such discount as may be quoted from year to year by		

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Item Number	Group VIII-25 yard Diesel Rear Loader Refuse Truck Description	Compliance	Exception
	the manufacturer of the vehicle purchased under this specification.		
<b>16. TRAINING</b>			
16.1	Bidder must provide a minimum of eight (8) hours of on-site technician training by the body manufacturer for technicians upon receipt of the unit per order. Training shall include at a minimum system diagnostics, hydraulic, fuel, electric, and pneumatic systems and controls.		
16.2	All training classroom material and travel expenses associated with the training shall be the responsibility of the successful bidder. The City of Atlanta reserves the rights to send additional technicians to the training at the city's expense.		
16.3	Bidder must perform a minimum of eight (8) hours of operator training per unit ordered		
16.4	The City of Atlanta's fleet maintenance facility can be utilized as a service facility to perform the required warranty repairs.		
<b>17. DOCUMENTATION</b>			
17.1	Operator's Manuals: A minimum of two (2) hard copies of the operator's manuals shall be provided with each unit.		
<b>18. DRIVE TRAIN DIAGNOSTICS</b>			
18.1	The contractor shall provide all diagnostic programs to diagnose and effect repairs to the unit, whether on-line access or software to be installed on a City-owned computer and updated as necessary, for ten (10) years (minimum).		
18.2	The contractor shall supply two (2) sets of all electronic connective devices or cables necessary to allow communication between any vehicle electronic control module and Metro-provided diagnostic computers.		
18.3	Contractor to provide access to the electronic diagnostic information and software for the entire unit, engine, transmission, body, generator, etc. and include diagnostic cables or connecting boxes to access the unit's electronic control systems for the life of the unit.		
<b>19. DELIVERY</b>			
19.1	<u>Delivery Location:</u>		

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Item Number	Group VIII-25 yard Diesel Rear Loader Refuse Truck Description	Compliance	Exception
	Office of Fleet Services Technical Services Branch 23 Claire Drive, S.E. Atlanta, GA 30315		
<b>20 DECALS, BADGES, ADVERTISEMENTS</b>			
20.1	No dealer emblems, decals, or any other form of advertisement or identification shall be attached to the vehicle.		

### 3.2.16 MINIMUM SPECIFICATIONS – REPAIR SERVICES AND PARTS

Item Number	Group VIII -- 25 yard Diesel Rear Loader Refuse Truck Description	Compliance	Exception
<b>21. SERVICE PROVIDER RESPONSIBILITIES</b>			
21.1	Contractor shall, under normal circumstances, begin work on equipment delivered to their repair facility within two (2) business days.		
21.2	Contractor shall maintain a minimum of 85% turnaround time within 168 business hours or seven (7) business days.		
21.3	Contractor shall fax an estimate of repair to the Director of OFS, or his designee, to obtain an authorizing work order number prior to performing any repair.		
21.4	All invoices for repair/service shall indicate: MSLP, discounted price to the city of all parts, labor rate charged, number of hours required performing the service/repair, City decal number of unit receiving service/repair, and OFS work order number authorizing service/repair.		
21.5	A copy of the service/repair invoice shall be provided to OFS upon completion of the work.		
21.6	Contractor shall maintain a minimum of 85% turnaround time within 168 business hours or seven (7) business days.		
21.7	Contractor shall fax an estimate of repair to the Director of OFS, or his designee, to obtain an authorizing work order number prior to performing any repair.		
21.8	All invoices for repair/service shall indicate: MSLP,		

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	discounted price to the city of all parts, labor rate charged, number of hours required performing the service/repair, City decal number of unit receiving service/repair, and OFS work order number authorizing service/repair.		
21.9	A copy of the service/repair invoice shall be provided to OFS upon completion of the work.		

## GROUP IX- 20 YARD CNG REAR LOADER REFUSE TRUCKS

### 3.2.15 MINIMUM SPECIFICATIONS – CAB AND CHASSIS

Item Number	Group IX– 20 yard CNG Rear Loader Refuse Trucks Description	Compliance	Exception
<b>1. STANDARD INTERIOR CONTENT</b>			
1.1	Seats: Air ride driver seat and fixed two (2) - passenger companion seat (bench type) with safety belts and retractors. Two (2) passenger or rear seat		
1.2	Upholstery: Vinyl, dark in color.		
1.3	Radio: AM/FM/ Stereo Radio.		
1.4	Air Conditioning: Standard factory installed.		
1.5	Safety Equipment – <ul style="list-style-type: none"> <li>- One (1) rechargeable dry chemical fire extinguisher (Model RPIA-10G) mounted in cab</li> <li>- Three (3) triangles in plastic box and a first aid kit shall all be mounted inside the cab.</li> </ul>		
1.6	A placard with the “overall” height shall be mounted in the cab dash area for clear view of the driver.		
<b>2. STANDARD EXTERIOR CONTENT</b>			
2.1	Mirrors: 8” (driver/passenger sides) Adjustable west coast mirrors with convex spot mirrors.		
2.2	Truck cab shall be Forrester Green		
2.3	Low entry cab or standard		
<b>3. BODY AND CHASSIS</b>			
3.1	GVWR: Gross Vehicle Weight Rating to be a minimum of 66,000 lb. Indicate proposed total GVWR and maximum GAWR for each axle.		
3.2	<b>Frame:</b>		
3.3	Manufacturer’s standard to meet GVWR and trash		

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Item Number	Group IX– 20 yard CNG Rear Loader Refuse Trucks Description	Compliance	Exception
	body capacities		
3.4	Wheelbase: Appropriate for proposed chassis. State dimension.		
<b>4. DRIVE TRAIN</b>			
4.1	<b>Engine:</b>		
4.1.1	Cummins CNG Engine or equal CNG compatible engine in production or current (list all engine options)		
4.1.2	Engine warranty: Five (5) years (100% parts and service)		
4.2	<b>TRANSMISSION:</b>		
4.2.1	Allison 4000 series or compatible configuration based on engine being bid.		
4.2.2	Transmission ETC-five (5) years warranty shall be included; five (5) years (100% parts and service)		
4.2.3	Thelma electric brake retarder.		
4.3	<b>STEERING:</b>		
4.3.2	Tilt and telescopic steering wheel		
4.4	<b>FRONT AND REAR SUSPENSION :</b>		
4.4.1	Engineered to accommodate the bided chassis		
4.5	<b>WHEELS/TIRES:</b>		
4.5.1	Front Wheels: Stud piloted steel disc wheels 22.5 inches by 9 inches		
4.5.2	Front Tires: 315 x 80R 22.5, 20-ply rating tubeless radial		
4.5.3	Rear Wheels: Steel disc 22.5 inches x 8.25 inches		
4.5.4	Rear Tires: 11R x 22.5, 16 ply rating tubeless radial		
4.5.5	Splash guards and mud flaps shall be provided around the front wheel openings.		
<b>5. BRAKES</b>			
5.1	Full air brake system with ABS.		
5.2	Air dryer system installed.		
<b>6. ELECTRICAL</b>			
6.1	Alternator should be designed to accommodate and chassis components.		
6.2	Battery: heavy duty with a total of 2,750 CCA minimum.		
6.3	Daytime running lights.		
6.4	Backup Alarm		
6.5	A factory battery disconnect switch		
<b>7. CNG FUEL SYSTEM</b>			
7.1	<b>CNG Tanks</b>		
7.1.1	The CNG fuel tanks shall be factory installed and		

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	warranted by the body manufacturer. The tanks shall meet all applicable regulations		
7.1.2	The fuel storage pack shall be 75 Diesel Gallon or Equivalent (DGE).		
7.1.3	The tanks can be mounted behind the cab, in the tailgate, or on top, but preferred is what gives the best turning radius of the truck		
7.2	<b>CNG DESIGN CRITERIA</b>		
7.2.1	The system inclusive of all structural and plumbing components shall be designed as per NFPA 52-2006 edition. All high pressure stainless steel fuel lines to be 3/8" O.D. X .049 wall thickness.		
7.2.3	The CNG tanks must be fueled at the body OEM facility prior to delivery.		
7.2.4	Bidder will fill in below the name of manufacturer, brand name, model or identification number, installer and year model of item(s) offered in bid.  Manufacturer: _____  Brand Name: _____  Model/Identification Number: _____  Installer: _____  Year Model:		
7.2.5	One (1) 50' hose for defueling/refueling truck to truck.		
7.2.6	Each unit will have a methane leak detector installed as part of the CNG configuration		

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<b>8. Capacities/Performance</b>			
8.1	Packer body must meet all applicable ANSI Z-245.1		

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Item Number	Group IX – 20 yard CNG Rear Loader Refuse Trucks Description	Compliance	Exception
	safety standards		
8.2	High compaction design packing system with a packing rate of a minimum of 1,000 pounds per cubic yard		
8.3	Maximum overall clearance height shall not exceed 102 inches above the chassis frame		
8.4	Maximum overall width shall not exceed 96 inches		
<b>9. HOPPER</b>			
9.1	Capacity shall be a minimum of 3.5 cubic yards as rated by TBEA and ANSI standards		
9.2	Tailgate to incorporate steps on both sides of the tailgate and are to be bolted on and made with grip strut material and shall be 9.5" width x 33.5" length. Red/white 3-M reflective conspicuity tape shall be applied to the edge of the platforms, steps and around the complete hopper loading area.		
<b>10. MOBILE REFUSE CONTAINER DUMPING UNIT</b>			
10.1	Tipper: Diamond Back or equivalent with two tippers affixed equally spaced on an attachment plate		
10.2	Warranty shall be no less than two (2) years from date of delivery		
10.3	A Rehrig Pacific RFID system will be installed on the hopper with the ability to be able to read UHF RFID devices when the dump unit is activated.		
<b>11. SAFETY FEATURES</b>			
11.1	The body shall have heavy-duty, adjustable riding platforms at the rear sides of the body. The platforms shall have a minimum of 384 square inch standing surface.		
11.2	Two (2) 12" x 12" inch permanent decals on rear of vehicle. Right side shall be yellow letters with black background, CAUTION this vehicle makes wide right turns. Left side shall be black letters with yellow background CAUTION this vehicle makes frequent stops. Shall not interfere with RFID Reader		
11.3	Two (2) universal safety vehicle emblems to signify "Slow Moving Vehicle" to be mounted visible on top of rear tailgate (Emblems shall be adhesive decal)		
11.4	Non-skid material shall be provided on all grab handles and steps.		
11.5	A 2" red/white, 3-M reflective conspicuity tape shall		

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	be applied to the front, rear and side of the entire cab and body of the truck. Conspicuity tape shall also be applied to the rear, top and bottom of the body hopper area		
11.6	A three (3) camera system shall be provided mounted in the hopper area, on the dumping mechanism arm, and rear of the vehicle on the rear door for viewing the dumping operations and when the vehicle is placed in a reverse mode, all located as to not interfere with packer operations.		
<b>12. LIGHTS</b>			
12.1	All brake, hazard warning, signal, clearance, and tail lights shall be LED design		
12.2	Automatic backup lights shall be provided		
12.3	Additional set of lights to be mounted on upper portion of the tailgate (to include brake, signal and tail lights).		
12.4	Two (2) flood lights shall be provided in hopper area		
<b>13. HYDRAULIC QUICK DISCONNECT</b>			
13.1	Two (2) quick disconnect fittings to be installed in hydraulic system for unloading disabled vehicles with an auxiliary hydraulic power unit. Auxiliary hydraulic power unit to be provided by the vendor.		
13.2	One (1) way valve included in pressure side		
<b>14. SPECIAL EQUIPMENT/SAFETY</b>			
14.1	Tool racks for storing shovels, rakes etc., shall be installed on the passenger side under the body or as space permits		
14.2	Provide racks for five (5) gallon water kegs mounted outside the cab with retainer straps with a mud flap to prevent the keg from debris or an approved water bottle storage compartment area.		
14.3	Total vehicle ground clearance height shall be marked on the left and right front sides of the body in four (4) inch high lettering		
14.4	Two (2) 12" x 12" inch permanent decals on rear of vehicle. Right side shall be yellow letters with black background, "CAUTION this vehicle makes wide right turns". Left side shall be black letters with yellow background "CAUTION this vehicle makes frequent stops".		

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14.5	Two (2) universal safety vehicle emblems to signify "Slow Moving Vehicle" to be mounted visible on top of rear tailgate (Emblems shall be adhesive decal)		
<b>15. PAINT</b>			
15.1	Truck cab shall be Forrester Green or an approved equal color		
15.2	Body shall be Blue Akzo Nobel or an approved equal color		
15.3	City of Atlanta sign graphic shall be created and installed, centered on each side of truck body with lettering white and shaded in red.		
15.4	Sign graphics shall be approved by the City of Atlanta prior to installation. The sign is to include the City of Atlanta Solid Waste Services and conform to the body side of the unit. (SEE ATTACHMENT 'A')		
15.5	A two (2) inch red/white reflective stripe shall extended on each side, front, and rear of the vehicle		
15.6	The entire front bumper area shall be covered with 3-M, red/white reflective conspicuity tape. The tape shall be 2" wide and placed at an alternating sequence on a 45-degree alignment		
<b>16. WARRANTY</b>			
16.1	Packer Unit: one (1) year from original delivery date		
16.2	Warranty facilities shall have serviced said equipment for a minimum of five (5) years as the factory's authorized service center		
16.3	A dual tandem hydraulic pump or any system which allows truck to operate dumping operations at idle.		
16.4	Vendor must be able to provide onsite warranty repair and service for the City of Atlanta's fleet.		
16.5	Vendor is to provide a supply of high use consumable materials including those dedicated to the preventive maintenance of the unit for a period of one (1) year.		
16.6	All warranty repairs must be completed within <b>48 hours</b>		
16.7	All warranty repairs taking more than 48 hours must be documented in writing by the vendor and a completion date will be agreed on by the city		
16.8	Provide copies of standard warranty for assembled and delivered vehicle.		
16.9	Provide forms for delayed warranty start if vehicle		

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	delivery to COA is delayed due to upfit of special equipment or modification.		
16.10	Provide copies of standard warranty for systems and components as provided by individual suppliers.		
16.11	As a continuous operation of the vehicle described by this specification, it is of utmost importance for the successful bidder to be in a position to furnish replacement parts. Accordingly, bidders shall indicate the extent of their ability to provide parts by furnishing a list of branch offices or agencies where complete stocks of repair parts are maintained and can be secured within 24 hours after ordering by part number from the manufacturer's part book and at such discount as may be quoted from year to year by the manufacturer of the vehicle purchased under this specification.		
<b>17. TRAINING</b>			
17.1	Bidder must provide a minimum of eight (8) hours of on-site technician training by the body manufacturer for technicians upon receipt of the unit per order. Training to include at a minimum system diagnostics, hydraulic, fuel, electric, and pneumatic systems and controls.		
17.2	Bidder must also provide a minimum of two (2) technicians full CNG Factory certification training.		
17.3	All training class room material and travel expenses associated with the training shall be the responsibility of the successful bidder. The City of Atlanta reserves the rights to send additional technicians to the training at the city's expense.		
17.4	Bidder must perform a minimum of eight (8) hours of operator training per unit ordered		
17.5	The City of Atlanta's fleet maintenance facility can be utilized as a service facility to perform the required warranty repairs.		
<b>18. DOCUMENTATION</b>			
18.1	Operator's Manuals: A minimum of two (2) hard copies of the operator's manuals shall be provided with each unit.		
<b>19. DRIVE TRAIN DIAGNOSTICS</b>			
19.1	The contractor shall provide all diagnostic programs to		

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	diagnose and effect repairs to the unit, whether on-line access or software to be installed on a City-owned computer and updated as necessary, for ten (10) years (minimum).		
19.2	The contractor shall supply two (2) sets of all electronic connective devices or cables necessary to allow communication between any vehicle electronic control module and Metro-provided diagnostic computers.		
19.3	Contractor to provide access to the electronic diagnostic information and software for the entire unit, engine, transmission, body, generator, etc. and include diagnostic cables or connecting boxes to access the unit's electronic control systems for the life of the unit.		
<b>20. DELIVERY</b>			
20.1	<u>Delivery Location:</u> Office of Fleet Services Technical Services Branch 23 Claire Drive, S.E. Atlanta, GA 30315		
<b>21 DECALS, BADGES, ADVERTISEMENTS</b>			
21.1	No dealer emblems, decals, or any other form of advertisement or identification shall be attached to the vehicle.		

### 3.2.15 MINIMUM SPECIFICATIONS – REPAIR SERVICES AND PARTS

Item Number	Group IX - 20 yard CNG Rear Loader Refuse Trucks Description	Compliance	Exception
<b>22. SERVICE PROVIDER RESPONSIBILITIES</b>			
22.1	Contractor shall, under normal circumstances, begin work on equipment delivered to their repair facility within two (2) business days.		
22.2	Contractor shall maintain a minimum of 85% turnaround time within 168 business hours or seven (7) business days.		
22.3	Contractor shall fax an estimate of repair to the Director of OFS, or his designee, to obtain an		

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	authorizing work order number prior to performing any repair.		
22.4	All invoices for repair/service shall indicate: MSLP, discounted price to the city of all parts, labor rate charged, number of hours required performing the service/repair, City decal number of unit receiving service/repair, and OFS work order number authorizing service/repair.		
22.5	A copy of the service/repair invoice shall be provided to OFS upon completion of the work.		

### GROUP X – 20 YARD DIESEL REAR LOADER REFUSE TRUCKS

#### 3.2.16 MINIMUM SPECIFICATIONS – CAB AND CHASSIS

Item Number	Group X -- 20 yard Diesel Rear Loader Refuse Trucks Description	Compliance	Exception
<b>1. STANDARD INTERIOR CONTENT</b>			
1.1	Seats: Air ride driver seat and fixed two (2) - passenger companion seat (bench type) with safety belts and retractors. Two (2) passenger or rear seat		
1.2	Upholstery: Vinyl, dark in color.		
1.3	Radio: AM/FM/ Stereo Radio.		
1.4	Air Conditioning: Standard factory installed.		
1.5	Safety Equipment – <ul style="list-style-type: none"> <li>- One (1) rechargeable dry chemical fire extinguisher (Model RPIA-10G) mounted in cab</li> <li>- Three (3) triangles in plastic box and a first aid kit shall all be mounted inside the cab.</li> </ul>		
1.6	A placard with the “overall” height shall be mounted in, at the cab dash area in clear view of the driver.		
<b>2. STANDARD EXTERIOR CONTENT</b>			
2.1	Mirrors: Eight (8)” (driver/passenger sides) Adjustable west coast mirrors with convex spot mirrors.		
2.2	Truck cab shall be Forrester Green		
2.3	Low entry cab or standard cab		
<b>3. BODY AND CHASSIS</b>			
3.1	GVWR: Gross Vehicle Weight Rating to be a		

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Item Number	Group X – 20 yard Diesel Rear Loader Refuse Trucks Description	Compliance	Exception
	minimum of 66,000 lb. Indicate proposed total GVWR and maximum GAWR for each axle.		
3.2	<b>Frame:</b>		
3.3	Manufacturer's standard to meet GVWR and trash body capacities		
3.4	Wheelbase: Appropriate for proposed chassis. State dimension:		
<b>4. DRIVE TRAIN</b>			
4.1	<b>Engine:</b>		
4.1.1	Cummins Engine currently in production for manufacturer's GVWR vehicle capacity		
4.1.2	Engine warranty: Five (5) years (100% parts and service)		
4.2	<b>TRANSMISSION:</b>		
4.2.1	Allison 4000 series or compatible configuration based on engine being bid.		
4.2.2	Transmission ETC-five (5) years warranty shall be included; five (5) years (100% parts and service)		
4.2.3	Thelma electric brake retarder.		
4.3	<b>STEERING:</b>		
4.3.2	Tilt and telescopic steering wheel		
4.4	<b>FRONT AND REAR SUSPENSION :</b>		
4.4.1	Engineered to accommodate the bided chassis		
4.5	<b>WHEELS/TIRES:</b>		
4.5.1	Front Wheels: Stud piloted steel disc wheels 22.5 inches by 9 inches		
4.5.2	Front Tires: 315 x 80R 22.5, 20-ply rating tubeless radial		
4.5.3	Rear Wheels: Steel disc 22.5 inches x 8.25 inches		
4.5.4	Rear Tires: 11R x 22.5, 16 ply rating tubeless radial		
4.5.5	Splash guards and mud flaps shall be provided around the front wheel openings.		
<b>5. BRAKES</b>			
5.1	Full air brake system with ABS.		
5.2	Air dryer system installed.		
<b>6. ELECTRICAL</b>			
6.1	Alternator should be designed to accommodate all chassis components.		
6.2	Battery: heavy duty with a total of 2,750 CCA minimum.		
6.3	Daytime running lights.		
6.4	Backup Alarm		

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Item Number	Group X – 20 yard Diesel Rear Loader Refuse Trucks Description	Compliance	Exception
6.5	A factory battery disconnect switch		

Item Number	Group X–20 yard Diesel Rear Loader Refuse Trucks Description	Compliance	Exception
<b>7. Capacities/Performance</b>			
7.1	Packer body must meet all applicable ANSI Z-245.1 safety standards		
7.2	High compaction design packing system with a packing rate of a minimum of 1,000 pounds per cubic yard		
7.3	Maximum overall clearance height shall not exceed 102 inches above the chassis frame		
7.4	Maximum overall width shall not exceed 96 inches		
<b>8. HOPPER</b>			
8.1	Capacity shall be a minimum of 3.5 cubic yards as rated by TBEA and ANSI standards		
8.2	Tailgate to incorporate steps, on both sides of the tailgate and are to be bolted on and made with grip strut material and shall be 9.5" width x 33.5" length. Red/white 3-M reflective conspicuity tape shall be applied to the edge of the platforms, steps and around the complete hopper loading area		
<b>9. MOBILE REFUSE CONTAINER DUMPING UNIT</b>			
9.1	Tipper: Diamond Back or equivalent with two tippers affixed to the hopper equally spaced on an attachment plate		
9.2	Warranty shall be no less than two (2) years from date of delivery		
9.3	A Rehrig Pacific RFID system will be installed on the hopper with the ability to read UHF RFID devices when the dump unit is activated.		
<b>10. SAFETY FEATURES</b>			
10.1	The body shall have heavy-duty, adjustable riding platforms at the rear sides of the body. The platforms shall have a minimum of 384 square inch standing surface.		
10.2	Two (2) 12" x 12" inch permanent decals on rear of vehicle. Right side shall be yellow letters with black background, CAUTION this vehicle makes wide right turns. Left side shall be black letters with yellow background CAUTION this vehicle makes frequent stops. Shall not interfere with RFID Reader		

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Item Number	Group X-20 yard Diesel Rear Loader Refuse Trucks Description	Compliance	Exception
10.3	Two (2) universal safety vehicle emblems to signify "Slow Moving Vehicle" to be mounted visible on the top of rear tailgate (Emblems shall be adhesive decal).		
10.4	Non-skid material shall be provided on all grab handles and step		
10.5	A 2" red/white, 3-M reflective conspicuity tape shall be applied to the front, rear and side of the entire cab and body of the truck. Conspicuity tape shall also be applied to the rear, top and bottom of the body hopper area		
10.6	A three (3) camera system shall be provided mounted in the hopper area, on the dumping mechanism arm, and rear of the vehicle on the rear door for viewing the dumping operations and when the vehicle is placed in a reverse mode, all located as to not interfere with packer operations.		
<b>11. LIGHTS</b>			
11.1	All brake, hazard warning, signal, clearance, and tail lights shall LED design.		
11.2	Automatic backup lights shall be provided		
11.3	Additional set of lights shall be mounted on upper portion of the tailgate (to include brake, signal and tail lights).		
11.4	Two (2) flood lights shall be provided in hopper area		
<b>12. HYDRAULIC QUICK DISCONNECT</b>			
12.1	Two (2) quick disconnect fittings to be installed in hydraulic system for unloading disabled vehicles with an auxiliary hydraulic power unit. Auxiliary hydraulic power unit to be provided by the vendor.		
12.2	One (1) way valve included in pressure side		
<b>13. SPECIAL EQUIPMENT/SAFETY</b>			
13.1	Tool rack for storing shovels, rakes etc., to be installed on the passenger side under the body or as space permits		
13.2	Provide rack for five (5) gallon water keg mounted outside the cab with retainer straps with a mud flap to prevent the keg from debris or an approved water bottle storage compartment area		
13.3	Total vehicle ground clearance height shall be marked on the left and right front sides of the body in four (4)		

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Item Number	Group X-20 yard Diesel Rear Loader Refuse Trucks Description	Compliance	Exception
	inch high lettering		
13.4	Two (2) 12" x 12" inch permanent decals on rear of vehicle. Right side shall be yellow letters with black background, "CAUTION this vehicle makes wide right turns". Left side shall be black letters with yellow background "CAUTION this vehicle makes frequent stops".		
13.5	Two (2) universal safety vehicle emblems to signify "Slow Moving Vehicle" to be mounted visible on the top of rear tailgate (Emblems shall be adhesive decal)		
<b>14. PAINT</b>			
14.1	Truck cab shall be Forrester Green or an approved equal color		
14.2	Body shall be Blue Akzo Nobel or an approved equal color		
14.3	City of Atlanta sign graphic to be created and installed, centered on each side of truck body with lettering white and shaded in red.		
14.4	Sign graphics shall be approved by the City of Atlanta prior to installation. The sign shall include the City of Atlanta Solid Waste Services and conform to the body side of the unit. (SEE ATTACHMENT 'A')		
14.5	A two (2) inch red/white reflective stripe shall extended on each side, front, and rear of the vehicle		
14.6	The entire front bumper area shall be covered with 3-M, red/white reflective conspicuity tape. The tape shall be 2" wide and placed at an alternating sequence on a 45-degree alignment		
<b>15. WARRANTY</b>			
15.1	Packer Unit: One (1) year from original delivery date		
15.2	Warranty facilities shall have serviced said equipment for a minimum of five (5) years as the factory's authorized service center		
15.3	Vendor must be able to provide onsite warranty repair and service for the City of Atlanta's fleet.		
15.4	Vendor shall provide a supply of high use consumable materials including those dedicated to the preventive maintenance of the unit for a period of one (1) year.		
15.5	All warranty repairs must be completed within <b>48 hours</b>		
15.6	All warranty repairs taking more than 48 hours must be documented in writing by the vendor and a		

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Item Number	Group X-20 yard Diesel Rear Loader Refuse Trucks Description	Compliance	Exception
	completion date will be agreed on by the city		
15.7	Provide copies of standard warranty for assembled and delivered vehicle.		
15.8	Provide forms for delayed warranty start if vehicle delivery to COA is delayed due to upfit of special equipment or modification.		
15.9	Provide copies of standard warranty for systems and components as provided by individual suppliers.		
15.10	As a continuous operation of the vehicle described by this specification, it is of utmost importance for the successful bidder to be in a position to furnish replacement parts. Accordingly, bidders shall indicate the extent of their ability to provide parts by furnishing a list of branch offices or agencies where complete stocks of repair parts are maintained and can be secured within 24 hours after ordering by part number from the manufacturer's part book and at such discount as may be quoted from year to year by the manufacturer of the vehicle purchased under this specification.		
<b>16. TRAINING</b>			
16.1	Bidder must provide a minimum of eight (8) hours of on-site technician training by the body manufacturer for technicians upon receipt of the unit per order. Training to include at a minimum system diagnostics, hydraulic, fuel, electric, and pneumatic systems and controls.		
16.2	Bidder must also provide a minimum of two (2) technicians full CNG Factory certification training.		
16.3	All training classroom material and travel expenses associated with the training shall be the responsibility of the successful bidder. The City of Atlanta reserves the rights to send additional technicians to the training at the city's expense.		
16.4	Bidder must perform a minimum of eight (8) hours of operator training per unit ordered		
16.5	The City of Atlanta's fleet maintenance facility can be utilized as a service facility to perform the required warranty repairs.		
<b>17. DOCUMENTATION</b>			
17.1	Operator's Manuals: A minimum of two (2) hard copies of the operator's manuals shall be provided with each unit.		

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Item Number	Group X-20 yard Diesel Rear Loader Refuse Trucks Description	Compliance	Exception
<b>18. DRIVE TRAIN DIAGNOSTICS</b>			
18.1	The contractor shall provide all diagnostic programs to diagnose and effect repairs to the unit, whether on-line access or software to be installed on a City-owned computer and updated as necessary, for ten (10) years (minimum).		
18.2	The contractor shall supply two (2) sets of all electronic connective devices or cables necessary to allow communication between any vehicle electronic control module and Metro-provided diagnostic computers.		
18.3	Contractor to provide access to the electronic diagnostic information and software for the entire unit, engine, transmission, body, generator, etc. and include diagnostic cables or connecting boxes to access the unit's electronic control systems for the life of the unit.		
<b>19. DELIVERY</b>			
19.1	<u>Delivery Location:</u> Office of Fleet Services Technical Services Branch 23 Claire Drive, S.E. Atlanta, GA 30315		
<b>20 DECALS, BADGES, ADVERTISEMENTS</b>			
20.1	No dealer emblems, decals, or any other form of advertisement or identification shall be attached to the vehicle.		

3.2.17 MINIMUM SPECIFICATIONS – REPAIR SERVICES AND PARTS

Item Number	Group X – 20 yard Diesel Rear Loader Refuse Trucks Description	Compliance	Exception
<b>21. SERVICE PROVIDER RESPONSIBILITIES</b>			
21.1	Contractor shall, under normal circumstances, begin work on equipment delivered to their repair facility within two (2) business days.		
21.2	Contractor shall maintain a minimum of 85% turnaround time within 168 business hours or seven (7) business days.		
21.3	Contractor shall fax an estimate of repair to the Director of OFS, or his designee, to obtain an authorizing work order number prior to performing		

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Item Number	Group X – 20 yard Diesel Rear Loader Refuse Trucks Description	Compliance	Exception
	any repair.		
21.6	All invoices for repair/service shall indicate: MSLP, discounted price to the city for all parts, labor rate charged, number of hours required performing the service/repair, City decal number of unit receiving service/repair, and OFS work order number authorizing service/repair.		
21.7	A copy of the service/repair invoice shall be provided to OFS upon completion of the work.		
21.8	Contractor shall maintain a minimum of 85% turnaround time within 168 business hours or seven (7) business days.		
21.9	Contractor shall fax an estimate of repair to the Director of OFS, or his designee, to obtain an authorizing work order number prior to performing any repair.		
21.10	All invoices for repair/service shall indicate: MSLP, discounted price to the city of all parts, labor rate charged, number of hours required performing the service/repair, City decal number of unit receiving service/repair, and OFS work order number authorizing service/repair.		
21.11	A copy of the service/repair invoice shall be provided to OFS upon completion of the work.		

### GROUP XI- 11 YARD CNG REAR LOADER REFUSE TRUCKS

#### 3.2.19 MINIMUM SPECIFICATIONS – CAB AND CHASSIS

Item Number	Group XI – 11 yard CNG Rear Loader Refuse Trucks Description	Compliance	Exception
<b>1. STANDARD INTERIOR CONTENT</b>			
1.1	Seats: Air ride driver seat and fixed two (2) - passenger companion seat (bench type) with safety belts and retractors. Two (2) passenger or rear seat		
1.2	Upholstery: Vinyl, dark in color.		
1.3	Radio: AM/FM/ Stereo Radio.		
1.4	Air Conditioning: Standard factory installed.		
1.5	Safety Equipment – - One (1) rechargeable dry chemical fire extinguisher (Model RPIA-10G) mounted in		

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Item Number	Group XI – 11 yard CNG Rear Loader Refuse Trucks Description	Compliance	Exception
	cab - Three (3) triangles in plastic box and a first aid kit shall all be mounted inside the cab.		
1.6	A placard with the “overall” height shall be mounted in the cab dash area in clear view of the driver.		
<b>2. STANDARD EXTERIOR CONTENT</b>			
2.1	Mirrors: 8” (driver/passenger sides) Adjustable west coast mirrors with convex spot mirrors.		
2.2	Truck cab shall be Forrester Green		
2.3	Low entry cab or standard cab		
<b>3. BODY AND CHASSIS</b>			
3.1	GVWR: Gross Vehicle Weight Rating to be a minimum of 66,000 lb. Indicate proposed total GVWR and maximum GAWR for each axle.		
3.2	<b>Frame:</b>		
3.3	Manufacturer’s standard to meet GVWR and trash body capacities		
3.4	Wheelbase: Appropriate for proposed chassis. State dimension.		
<b>4. DRIVE TRAIN</b>			
4.1	<b>Engine:</b>		
4.1.1	Cummins CNG Engine or equal CNG compatible engine in production or current (list all engine options)		
4.1.2	Engine warranty: Five (5) years (100% parts and service)		
4.2	<b>TRANSMISSION:</b>		
4.2.1	Allison 4000 series or compatible configuration based on engine being bid.		
4.2.2	Transmission ETC-five (5) warranty shall be included; five (5) years (100% parts and service)		
4.2.3	Thelma electric brake retarder.		
4.3	<b>STEERING:</b>		
4.3.2	Tilt and telescopic steering wheel		
4.4	<b>FRONT AND REAR SUSPENSION :</b>		
4.4.1	Engineered to accommodate the bided chassis		
4.5	<b>WHEELS/TIRES:</b>		
4.5.1	Front Wheels: Stud piloted steel disc wheels 22.5 inches by 9 inches		
4.5.2	Front Tires: 315 x 80R 22.5, 20-ply rating tubeless radial		
4.5.3	Rear Wheels: Steel disc 22.5 inches x 8.25 inches		

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Item Number	Group XI – 11 yard CNG Rear Loader Refuse Trucks Description	Compliance	Exception
4.5.4	Rear Tires: 11R x 22.5, 16 ply rating tubeless radial		
4.5.5	Splash guards and mud flaps shall be provided around the front wheel openings.		
<b>5. BRAKES</b>			
5.1	Full air brake system with ABS.		
5.2	Air dryer system installed.		
<b>6. ELECTRICAL</b>			
6.1	Alternator should be designed to accommodate and chassis components.		
6.2	Battery: heavy duty with a total of 2,750 CCA minimum.		
6.3	Daytime running lights.		
6.4	Backup Alarm		
6.5	A factory battery disconnect switch		
<b>7. CNG FUEL SYSTEM</b>			
7.1	<b>CNG Tanks</b>		
7.1.1	The CNG fuel tanks shall be factory installed and warranted by the body manufacturer. The tanks shall meet all applicable regulations		
7.1.2	The fuel storage pack shall be 75 Diesel Gallon or Equivalent (DGE).		
7.1.3	The tanks can be mounted behind the cab, in the tailgate, or on top , but preferred is what give sthe best turning radius of the truck.		
7.2	<b>CNG DESIGN CRITERIA</b>		
7.2.1	The system inclusive of all structural and plumbing components shall be designed as per NFPA 52-2006 edition. All high pressure stainless steel fuel lines to be 3/8" O.D. X .049 wall thickness.		
7.2.3	The CNG tanks must be fueled at the body OEM facility prior to delivery.		

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Item Number	Group XI – 11 yard CNG Rear Loader Refuse Trucks Description	Compliance	Exception
7.2.4	<p>Bidder will fill in below the name of manufacturer, brand name, model or identification number, installer and year model of item(s) offered in bid.</p> <p>Manufacturer: _____</p> <p>Brand Name: _____</p> <p>Model/Identification Number: _____</p> <p>Installer: _____</p> <p>Year Model:</p>		
7.2.5	One (1) 50' hose for defueling/refueling truck to truck.		
7.2.6	Each unit will have a methane leak detector installed as part of the CNG configuration		

Item Number	Group XI – 11 yard CNG Rear Loader Refuse Trucks Description	Compliance	Exception
<b>8. Capacities/Performance</b>			
8.1	Packer body must meet all applicable ANSI Z-245.1 safety standards		
8.2	High compaction design packing system with a packing rate of a minimum of 1,000 pounds per cubic yard		
8.3	Maximum overall clearance height shall not exceed 102 inches above the chassis frame		
8.4	Maximum overall width shall not exceed 96 inches		
<b>9. HOPPER</b>			
9.1	Capacity shall be a minimum of 3.5 cubic yards as rated by TBEA and ANSI standards		
9.2	Tailgate to incorporate steps on both sides of the tailgate and are to be bolted on and made of grip strut material and shall be 9.5" width x 33.5" length. Red/white 3-M reflective conspicuity tape shall be		

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Item Number	Group XI – 11 yard CNG Rear Loader Refuse Trucks Description	Compliance	Exception
	applied to the edge of the platforms, steps and around the complete hopper loading area.		
<b>10. MOBILE REFUSE CONTAINER DUMPING UNIT</b>			
10.1	Tipper: Diamond Back or equivalent with two tippers affixed to the hopper equally spaced on an attachment plate		
10.2	Warranty shall be no less than two (2) years from date of delivery		
10.3	A Rehrig Pacific RFID system will be installed on the hopper with the ability to be able to read UHF RFID devices when the dump unit is activated.		
<b>11. SAFETY FEATURES</b>			
11.1	The body shall have heavy-duty, adjustable riding platforms at the rear sides of the body. The platforms shall have a minimum of 384 square inch standing surface.		
11.2	Two (2) 12" x 12" inch permanent decals on rear of vehicle. Right side shall be yellow letters with black background, CAUTION this vehicle makes wide right turns. Left side shall be black letters with yellow background CAUTION this vehicle makes frequent stops. Shall not interfere with RFID Reader		
11.3	Two (2) universal safety vehicle emblems to signify "Slow Moving Vehicle" to be mounted visible on top of rear tailgate (Emblems shall be adhesive decal)		
11.4	Access ladder to the hopper area with non-skid material applied to all grab handles and steps		
11.5	A 2" red/white, 3-M reflective conspicuity tape shall be applied to the front, rear and side of the entire cab and body of the truck. Conspicuity tape shall also be applied to the rear, top and bottom of the body hopper area		
11.6	A three (3) camera system shall be provided mounted in the hopper area, on the dumping mechanism arm, and rear of the vehicle on the rear door for viewing the dumping operations and when the vehicle is placed in a reverse mode, all located as to not interfere with packer operations..		
<b>12. LIGHTS</b>			
12.1	All brake, hazard warning, signal, clearance, and tail lights shall be LED design		

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Item Number	Group XI -- 11 yard CNG Rear Loader Refuse Trucks Description	Compliance	Exception
12.2	Automatic backup lights shall be provided		
12.3	Additional set of lights to be mounted on upper portion of the tailgate (to include brake, signal and tail lights).		
12.4	Two (2) flood lights shall be provided in hopper area		
<b>13. HYDRAULIC QUICK DISCONNECT</b>			
13.1	Two (2) quick disconnect fittings to be installed in hydraulic system for unloading disabled vehicles with an auxiliary hydraulic power unit. Auxiliary hydraulic power unit to be provided by the vendor.		
13.2	One (1) way valve included in pressure side		
<b>14. SPECIAL EQUIPMENT/SAFETY</b>			
14.1	Tool racks for storing shovels, rakes etc., shall be installed on the passenger side under the body or as space permits		
14.2	Provide racks for five (5) gallon water kegs mounted outside the cab with retainer straps with a mud flap to prevent the keg from debris or an approved water bottle storage compartment area.		
14.3	Total vehicle ground clearance height shall be marked on the left and right front sides of the body in four (4) inch high lettering		
14.4	Two (2) 12" x 12" inch permanent decals on rear of vehicle. Right side shall be yellow letters with black background, "CAUTION this vehicle makes wide right turns". Left side shall be black letters with yellow background "CAUTION this vehicle makes frequent stops".		
14.5	Two (2) universal safety vehicle emblems to signify "Slow Moving Vehicle" to be mounted visible on top of rear tailgate (Emblems shall be adhesive decal)		
<b>15. PAINT</b>			
15.1	Truck cab shall be Forrester Green or an approved equal color		
15.2	Body shall be Blue Akzo Nobel or an approved equal color		
15.3	City of Atlanta sign graphic to be created and installed, centered on each side of truck body with lettering white and shaded in red.		
15.4	Sign graphics shall be approved by the City of Atlanta prior to installation. The sign is to include the City of		

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Item Number	Group XI – 11 yard CNG Rear Loader Refuse Trucks Description	Compliance	Exception
	Atlanta Solid Waste Services and conform to the body side of the unit. (SEE ATTACHMENT 'A')		
15.5	A two (2) inch red/white reflective stripe shall extended on each side, front, and rear of the vehicle		
15.6	The entire front bumper area shall be covered with 3-M. red/white reflective conspicuity tape. The tape shall be 2" wide and placed at an alternating sequence on a 45-degree alignment		
<b>16. WARRANTY</b>			
16.1	Packer Unit: one (1) year from original delivery date		
16.2	Warranty facilities shall have serviced said equipment for a minimum of five (5) years as the factory's authorized service center		
16.3	Vendor must be able to provide onsite warranty repair and service for the City of Atlanta's fleet.		
16.4	Vendor is to provide a supply of high use consumable materials including those dedicated to the preventive maintenance of the unit for a period of one (1) year.		
16.5	All warranty repairs must be completed within <b>48 hours</b>		
16.6	All warranty repairs taking more than 48 hours must be documented in writing by the vendor and a completion date will be agreed on by the city		
16.7	Provide copies of standard warranty for assembled and delivered vehicle.		
16.8	Provide forms for delayed warranty start if vehicle delivery to COA is delayed due to upfit of special equipment or modification.		
16.9	Provide copies of standard warranty for systems and components as provided by individual suppliers.		
16.10	As a continuous operation of the vehicle described by this specification, it is of utmost importance for the successful bidder to be in a position to furnish replacement parts. Accordingly, bidders shall indicate the extent of their ability to provide parts by furnishing a list of branch offices or agencies where complete stocks of repair parts are maintained and can be secured within 24 hours after ordering by part number from the manufacturer's part book and at such discount as may be quoted from year to year by the manufacturer of the vehicle purchased under this		

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Item Number	Group XI – 11 yard CNG Rear Loader Refuse Trucks Description	Compliance	Exception
	specification.		
<b>17. TRAINING</b>			
17.1	Bidder must provide a minimum of eight (8) hours of on-site technician training by the body manufacturer for technicians upon receipt of the unit per order. Training to include at a minimum system diagnostics, hydraulic, fuel, electric, and pneumatic systems and controls.		
17.2	Bidder must also provide a minimum of two (2) technicians full CNG Factory certification training.		
17.3	All training class room material and travel expenses associated with the training shall be the responsibility of the successful bidder. The City of Atlanta reserves the right to send additional technicians to the training at the city's expense.		
17.4	Bidder must perform a minimum of eight (8) hours of operator training per unit ordered		
17.5	The City of Atlanta's fleet maintenance facility can be utilized as a service facility to perform the required warranty repairs.		
<b>18. DOCUMENTATION</b>			
18.1	Operator's Manuals: A minimum of two (2) hard copies of the operator's manuals shall be provided with each unit.		
<b>19. DRIVE TRAIN DIAGNOSTICS</b>			
19.1	The contractor shall provide all diagnostic programs to diagnose and effect repairs to the unit, whether on-line access or software to be installed on a City-owned computer and updated as necessary, for ten (10) years (minimum).		
19.2	The contractor shall supply two (2) sets of all electronic connective devices or cables necessary to allow communication between any vehicle electronic control module and Metro-provided diagnostic computers.		
19.3	Contractor to provide access to the electronic diagnostic information and software for the entire unit, engine, transmission, body, generator, etc. and include diagnostic cables or connecting boxes to access the unit's electronic control systems for the life of the unit.		

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Item Number	Group XI – 11 yard CNG Rear Loader Refuse Trucks Description	Compliance	Exception
<b>20. DELIVERY</b>			
20.1	<u>Delivery Location:</u> Office of Fleet Services Technical Services Branch 23 Claire Drive, S.E. Atlanta, GA 30315		
<b>21 DECALS, BADGES, ADVERTISEMENTS</b>			
21.1	No dealer emblems, decals, or any other form of advertisement or identification shall be attached to the vehicle.		

**3.2.15 MINIMUM SPECIFICATIONS – REPAIR SERVICES AND PARTS**

Item Number	Group XI - 11 yard CNG Rear Loader Refuse Trucks Description	Compliance	Exception
<b>22. SERVICE PROVIDER RESPONSIBILITIES</b>			
22.1	Contractor shall, under normal circumstances, begin work on equipment delivered to their repair facility within two (2) business days.		
22.2	Contractor shall maintain a minimum of 85% turnaround time within 168 business hours or seven (7) business days.		
22.3	Contractor shall fax an estimate of repair to the Director of OFS, or his designee, to obtain an authorizing work order number prior to performing any repair.		
22.4	All invoices for repair/service shall indicate: MSLP, discounted price to the city of all parts, labor rate charged, number of hours required performing the service/repair, City decal number of unit receiving service/repair, and OFS work order number authorizing service/repair.		
22.5	A copy of the service/repair invoice shall be provided to OFS upon completion of the work.		

**GROUP XII – 11 YARD DIESEL REAR LOADER REFUSE TRUCKS**

**3.2.20 MINIMUM SPECIFICATIONS – CAB AND CHASSIS**

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_