

Item Number	Group XV –11 yard CNG Rear Loader Refuse Trucks Description	Compliance	Exception
11. BODY SPECIFICATIONS			
11.1	Packer body capacity shall be 11 cubic yards		
11.2	The packer body on this unit shall be mounted directly to the chassis frame at the rear end, and with a poly block tie-down system at the front		
11.3	The packer body on this unit shall meet all applicable ANSI Z245.1 safety standards		
12. HOPPER			
12.1	Two (2) rear signal buzzers switches mounted at rear, on each side.		
13. MOBILE REFUSE CONTAINER DUMPING SYSTEM			
13.1	A Rehrig Pacific RFID system shall be installed on the hopper for reading UHF RFID devices when the dump unit is activated.		
13.2	Diamond back or equivalent		
14. SAFETY FEATURES			
14.1	Two (2) universal safety vehicle emblems to signify "SLOW MOVING VEHICLE" to be mounted visible on top of rear tailgate		
15. LIGHTS			
15.1	All lights shall be completely visible from the rear after installation of the cart dumpers		
15.2	Daytime running lights		
15.3	Two (2) floodlights shall be provided in hopper area		
15.4	A Whelen PKRTA8, Super-LED directional warning light shall be mounted on the upper portion of the hopper		
15.5	Two (2) Whelen amber PKRSYS2 (pair), Super-LED warning lights shall be mounted one (1) each side, upper portion of the body		
15.6	Two (2) Whelen amber 5GA00FAR, LED warning lights shall be mounted in the bumper area or grille area (one (1) each side)		
16. HYDRAULIC QUICK DISCONNECTS			
16.1	Two (2) disconnect fittings to be installed in hydraulic system for unloading disabled vehicles with an auxiliary power unit		
17. WARRANTY			
17.1	Packer Unit: one (1) year from original delivery date		
17.2	Warranty facilities shall have serviced said equipment for a minimum of five (5) years as the factory's		

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Item Number	Group XV –11 yard CNG Rear Loader Refuse Trucks Description	Compliance	Exception
	authorized service center		
17.3	Vendor must be able to provide onsite warranty repair and service for the City of Atlanta's fleet.		
17.4	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.		
17.5	All warranty repairs must be completed within 48 hours		
17.6	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		
17.7	Provide copies of standard warranty for assembled and delivered vehicle.		
17.8	Provide forms for delayed warranty start if vehicle delivery to COA is delayed due to upfit of special equipment or modification.		
17.9	Provide copies of standard warranty for systems and components as provided by individual suppliers.		
17.10	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.		
18.	TRAINING		
18.1	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.		
18.2	Bidder must also provide a minimum of two (2) technicians full CNG Factory certification training. (as applicable)		
18.3	All training class room material and travel expenses		

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Item Number	Group XV –11 yard CNG Rear Loader Refuse Trucks Description	Compliance	Exception
	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.		
18.4	Bidder must perform a minimum of eight (8) hours of operator training per unit ordered		
18.5	The City of Atlanta's fleet maintenance facility can be utilized as a service facility to perform the required warranty repairs.		
19.	DOCUMENTATION		
19.1	Operator's Manuals: A minimum of two (2) hard copies of the operator's manuals shall be provided with each unit.		
20.	DRIVE TRAIN DIAGNOSTICS		
20.1	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).		
20.2	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.		
20.3	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.		
21.	DELIVERY		
21.1	<u>Delivery Location:</u> Office of Fleet Services Technical Services Branch 23 Claire Drive, S.E. Atlanta, GA 30315		
22	DECALS, BADGES, ADVERTISEMENTS		
22.1	No dealer emblems, decals, or any other form of advertisement or identification shall be attached to the vehicle.		

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3.2.15 MINIMUM SPECIFICATIONS – REPAIR SERVICES AND PARTS

Item Number	Group XV – 11 yard CNG Rear Loader Refuse Trucks Description	Compliance	Exception
22. SERVICE PROVIDER RESPONSIBILITIES			
22.1	Contractor shall perform all scheduled Preventive Maintenance (PM) intervals in accordance with the manufacturer’s recommended intervals and shall supply a PM schedule detailing inspections and repairs to be made for each type of interval.		
22.2	Contractor shall, under normal circumstances, begin work on equipment delivered to their repair facility within two (2) business days.		
22.3	Contractor shall maintain a minimum of 85% turnaround time within 168 business hours or seven (7) business days.		
22.4	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.		
22.5	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.		
22.6	A copy of the service/repair invoice shall be provided to OFS upon completion of the work.		

GROUP XVI - 11 YARD DIESEL FRONT LOADER REFUSE TRUCKS

3.2.13 MINIMUM SPECIFICATIONS – CAB AND CHASSIS

Item Number	Group XVI – 11 yard Diesel Front Loader Refuse Truck Description	Compliance	Exception
1. WHEELS			
1.1	Steel disc wheels (2.5 inches x 8.25 inches, 10 hole)		
1.2	Splash Guards and unmarked mud flaps shall be provided around the front wheel openings		
2. TIRES			
2.1	Front tires manufacturer requirements		
2.2	Rear tires manufacturer requirements		
2.3	Mud flaps shall be provided behind the front wheels		

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Item Number	Group XVI –11 yard Diesel Front Loader Refuse Truck Description	Compliance	Exception
	and in front of rear wheels		
3. DIESEL ENGINE			
3.1	ISC Cummins manufacturer recommended		
3.2	Option extended warranty: 60 months or 100, 000 miles(parts and service)		
4. DIESEL FUEL SYSTEM			
4.1.	Minimum fifty (50) gallon capacity system step type		
4.2	Markings for 'DIESEL FUEL ONLY' at filler cap		

Item Number	Group XVI –11 yard Diesel Front Loader Refuse Trucks Description	Compliance	Exception
5. ELECTRICAL SYSTEM			
5.1	Electronic backup beeper		
5.2	A factory installed battery disconnect switch and jump start studs shall be provided		
5.3	This unit shall be equipped with high intensity headlights		
6. STEERING			
6.1	Tilt/telescopic steering wheel column		
7. TRANSMISSION			
7.1	Allison Transmission		
7.2	Five (5) year warranty (100% parts and labor)		
8. CAB AND ACCESSORIES			
81	Conventional truck with tilt hood and low profile design		
8.2	Self-rechargeable fire extinguisher		
8.3	Three (3) reflective triangles in a plastic box mounted in cab		
8.4	Factory installed air conditioning		
8.5	AM/FM radio with weatherband		
8.6	Driver's seat shall be a high back air-ride design		
8.7	This unit shall be equipped with west coast 6 x16 outside mirrors with eight (8) inch spot mirrors		
8.8	A placard with the "Over-all" height shall be mounted in the cab dash area in plain view of the driver		
9. SPECIAL EQUIPMENT/SAFETY			
9.1	Tool rack for storing shovels, rakes etc., to be installed on the passenger side under the body or as space permits		
9.2	Provide rack for five (5) gallon water keg mounted outside the cab with retainer straps		
9.3	Rear Steps constructed of open mesh steel on each side		

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Item Number	Group XVI – 11 yard Diesel Front Loader Refuse Trucks Description	Compliance	Exception
9.4	Unmarked mud flaps on both rear and front wheel positions		
9.5	Two (2) universal signs safety vehicle emblems to signify "SLOW MOVING VEHICLE" to be mounted visible from rear		
9.6	Four (4) LED, flashing amber lights shall be provided. Two (2) located at the front bumper area and two (2) on the rear body area, one (1) each side		
9.7	Whelen TA857M, LED Traffic Advisor with in-cab control head shall be mounted at the rear hopper area with a protective guard		
9.8	A two (2) inch continuous reflective stripe on both sides and rear of the body and cab area		
9.9	Two (2) work lights shall be provided in the hopper area		
9.10	One (1) set grab rail shall be installed on each side of the hopper to ease the mounting/dismounting of the wrap around steps.		
9.11	Total vehicle height shall be marked on the left and right front sides of the body in four (4) inch high lettering		
9.12	Two (2), 12" x 12" inch permanent decals shall be installed on the rear of the vehicle. The right side shall be in yellow letters with a black background and read: "Caution this vehicle makes wide right turns" The left side shall be in black letters with a yellow background and read: "Caution this vehicle makes frequent stops"		
9.13	Two (2) universal safety vehicle emblems to signify "Slow Moving Vehicle" shall be mounted on the top rear of the tailgate (emblems shall be adhesive decals)		
9.14	A 2", red/white, 3M reflective conspicuity tape shall be applied to the front, rear, and side to the entire length of the cab and body. Conspicuity tape shall also be applied to the top, bottom, and both sides of the rear hopper opening		
9.15	This unit shall be equipped with a dual camera CCTV system. One (1) camera shall be mounted in the hopper area for viewing material being dumped into the hopper. The second camera shall be mounted on the upper header panel of the tailgate and will automatically activate when the transmission is placed in reverse		

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Item Number	Group XVI –11 yard Diesel Front Loader Refuse Trucks Description	Compliance	Exception
10. PAINT			
10.1	Truck cab shall be Forrester Green or an approved equal color		
10.2	Body shall be Blue Akzo Nobel or an approved equal color		
10.3	City of Atlanta sign graphic to be created and installed, centered on each side of truck body with lettering white and shaded in red.		
10.4	Sign shall be two (2) feet high x four (4) feet wide, painted white. The sign is to include the City of Atlanta Solid Waste Services and conform to the body side of the unit. (SEE ATTACHMENT 'A')		
10.5	A two (2") red/white, 3M reflective conspicuity strip shall be applied to run around the front, sides, and rear of the entire unit to include both the cab and body. Conspicuity tape shall also be applied to the top and bottom of the tailgate		
10.6	The entire front bumper of the unit shall have an alternating sequence of 2" wide, 3M red/white conspicuity tape. The tape shall be applied at a 45-degree angle to the top line of the bumper		
10.7	This unit shall be equipped with two (2), 12" x 12" inch, permanent decals on the tailgate of the vehicle. The passenger decal shall be yellow letters with a black background and read: "CAUTION this vehicle makes wide right turns". The driver side decal shall be black letters with a yellow background and read: "CAUTION this vehicle makes frequent stops"		
10.8	This unit shall be equipped with two (2) universal safety vehicle emblems to signify "Slow Moving Vehicle." This emblems shall be mounted on the top rear of the tailgate (emblems shall be adhesive decals)		
11. BODY SPECIFICATIONS			
11.1	Packer body capacity shall be 11 cubic yards		
11.2	The packer body on this unit shall be mounted directly to the chassis frame at the rear end, and with a poly block tie-down system at the front		
11.3	The packer body on this unit shall meet all applicable ANSI Z245.1 safety standards		
12. HOPPER			
12.1	Two (2) rear signal buzzers switches mounted at rear, on each side.		

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Item Number	Group XVI-11 yard Diesel Front Loader Refuse Trucks Description	Compliance	Exception
13. MOBILE REFUSE COPNTAINER DUMPING SYSTEM			
13.1	A Rehrig Pacific RFID system shall be installed on the hopper for reading UHF RFID devices when the dump unit is activated.		
13.2	Diamond back or equivalent		
14. SAFETY FEATURES			
14.1	Two (2) universal safety vehicle emblems to signify "SLOW MOVING VEHICLE" shall be mounted visible on top of rear tailgate		
15. LIGHTS			
15.1	All lights shall be completely visible from the rear after installation of the cart dumpers		
15.2	Daytime running lights		
15.3	Two (2) floodlights shall be provided in hopper area		
15.4	A Whelen PKRTA8, Super-LED directional warning light shall be mounted on the upper portion of the hopper		
15.5	Two (2) Whelen amber PKRSYS2 (pair), Super-LED warning lights shall be mounted one (1) each side, upper portion of the body		
15.6	Two (2) Whelen amber 5GA00FAR, LED warning lights shall be mounted in the bumper area or grille area (one each side)		
16. HYDRAULIC QUICK DISCONNECTS			
16.1	Two (2) disconnect fittings to be installed in hydraulic system for unloading disabled vehicles with an auxiliary power unit		
17. WARRANTY			
17.1	Packer Unit: one (1) year from original delivery date		
17.2	Warranty facilities shall have serviced said equipment for a minimum of five (5) years as the factory's authorized service center		
17.3	Vendor must be able to provide onsite warranty repair and service for the City of Atlanta's fleet.		
17.4	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.		
17.5	All warranty repairs must be completed within 48 hours		
17.6	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 XVI –11 yard Diesel Front Loader Refuse Trucks Description	Compliance	Exception
	completion date will be agreed on by the city		
17.7	Provide copies of standard warranty for assembled and delivered vehicle.		
17.8	Provide forms for delayed warranty start if vehicle delivery to COA is delayed due to upfit of special equipment or modification.		
17.9	Provide copies of standard warranty for systems and components as provided by individual suppliers.		
17.10	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.		
18.	TRAINING		
18.1	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.		
18.2	Bidder must also provide a minimum of two (2) technicians full CNG Factory certification training. (as applicable)		
18.3	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.		
18.4	Bidder must perform a minimum of eight (8) hours of operator training per unit ordered		
18.5	The City of Atlanta's fleet maintenance facility can be utilized as a service facility to perform the required warranty repairs.		
19.	DOCUMENTATION		
19.1	Operator's Manuals: A minimum of two (2) hard		

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Item Number	Group XVI – 11 yard Diesel Front Loader Refuse Trucks Description	Compliance	Exception
	copies of the operator's manuals shall be provided with each unit.		
20.	DRIVE TRAIN DIAGNOSTICS		
20.1	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).		
20.2	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.		
20.3	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.		
21.	DELIVERY		
21.1	<u>Delivery Location:</u> Office of Fleet Services Technical Services Branch 23 Claire Drive, S.E. Atlanta, GA 30315		
22	DECALS, BADGES, ADVERTISEMENTS		
22.1	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 XVI – 11 yard Diesel Front Loader Refuse Trucks Description	Compliance	Exception
21.	SERVICE PROVIDER RESPONSIBILITIES		
21.1	Contractor shall perform all scheduled Preventive Maintenance (PM) intervals in accordance with the manufacturer's recommended intervals and shall supply a PM schedule detailing inspections and repairs to be made for each type of interval.		
21.2	Contractor shall, under normal circumstances, begin		

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Item Number	Group XVI – 11 yard Diesel Front Loader Refuse Trucks Description	Compliance	Exception
	work on equipment delivered to their repair facility within two (2) business days.		
21.3	Contractor shall maintain a minimum of 85% turnaround time within 168 business hours or seven (7) business days.		
21.4	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.		
21.5	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.		
21.6	A copy of the service/repair invoice shall be provided to OFS upon completion of the work.		

GROUP XVII- 11 YARD DIESEL SIDE LOADER REFUSE TRUCKS

3.2.14 MINIMUM SPECIFICATIONS – CAB AND CHASSIS

Item Number	Group XVII – 11 yard Diesel Side Loader Refuse Truck Description	Compliance	Exception
1. WHEELS			
1.1	Steel disc wheels (2.5 inches x 8.25 inches, 10 hole)		
1.2	Splash Guards and unmarked mud flaps shall be provided around the front wheel openings		
2. TIRES			
2.1	Front tires manufacturer requirements		
2.2	Rear tires manufacturer requirements		
2.3	Mud flaps shall be provided behind the front wheels and in front of rear wheels		
3. DIESEL ENGINE			
3.1	ISC Cummins manufacturer recommended		
3.2	Option extended warranty: 60 months or 100, 000 miles(parts and service)		
4. DIESEL FUEL SYSTEM			
4.1.	Minimum fifty (50) gallon capacity system step type		

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Item Number	Group XVII -11 yard Diesel Side Loader Refuse Truck Description	Compliance	Exception
4.2	Markings for 'DIESEL FUEL ONLY' at filler cap		

Item Number	Group XVII -11 yard Diesel Side Loader Refuse Truck Description	Compliance	Exception
5. ELECTRICAL SYSTEM			
5.1	Electronic backup beeper		
5.2	A factory installed battery disconnect switch and jump start studs shall be provided		
5.3	This unit shall be equipped with high intensity headlights		
6. STEERING			
6.1	Tilt/telescopic steering wheel column		
7. TRANSMISSION			
7.1	Allison Transmission		
7.2	Five (5) year warranty (100% parts and labor)		
8. CAB AND ACCESSORIES			
8.1	Conventional truck with tilt hood and low profile design		
8.2	Self-rechargeable fire extinguisher		
8.3	Three (3) reflective triangles in a plastic box mounted in cab		
8.4	Factory installed air conditioning		
8.5	AM/FM radio with weatherband		
8.6	Driver's seat shall be a high back air-ride design		
8.7	This unit shall be equipped with west coast 6 x 16 outside mirrors with eight (8) inch spot mirrors		
8.8	A placard with the "Over-all height" shall be mounted in the cab dash area in plain view of the driver		
9. SPECIAL EQUIPMENT/SAFETY			
9.1	Tool rack for storing shovels, rakes etc., to be installed on the passenger side under the body or as space permits		
9.2	Provide rack for five (5) gallon water keg mounted outside the cab with retainer straps		
9.3	Rear Steps constructed of open mesh steel on each side		
9.4	Unmarked mud flaps on both rear and front wheel positions		
9.5	Two (2) universal signs safety vehicle emblems to signify "SLOW MOVING VEHICLE" shall be mounted visible from rear		
9.6	Four (4) LED, flashing amber lights shall be provided. Two (2) located at the front bumper area and two (2)		

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Item Number	Group XVII –11 yard Diesel Side Loader Refuse Truck Description	Compliance	Exception
	on the rear body area, one (1) each side		
9.7	Whelen TA857M, LED Traffic Advisor with in-cab control head shall be mounted at the rear hopper area with a protective guard		
9.8	A two (2) inch continuous reflective stripe on both sides and rear of the body and cab area		
9.9	Two (2) work lights shall be provided in the hopper area		
9.10	One (1) set grab rail shall be installed on each side of the hopper to ease the mounting/dismounting of the wrap around steps.		
9.11	Total vehicle height shall be marked on the left and right front sides of the body in four (4) inch high lettering		
9.12	Two (2), 12" x 12" inch permanent decals shall be installed on the rear of the vehicle. The right side shall be in yellow letters with a black background and read: "Caution this vehicle makes wide right turns" The left side shall be in black letters with a yellow background and read: "Caution this vehicle makes frequent stops"		
9.13	Two (2) universal safety vehicle emblems to signify "Slow Moving Vehicle" shall be mounted on the top rear of the tailgate (emblems shall be adhesive decals)		
9.14	A 2", red/white, 3M reflective conspicuity tape shall be applied to the front, rear, and side to the entire length of the cab and body. Conspicuity tape shall also be applied to the top, bottom, and both sides of the rear hopper opening		
9.15	This unit shall be equipped with a dual camera CCTV system. One camera shall be mounted in the hopper area for viewing material being dumped into the hopper. The second camera shall be mounted on the upper header panel of the tailgate and will automatically activate when the transmission is placed in reverse		
10. PAINT			
10.1	Truck cab shall be Forrester Green or an approved equal color		
10.2	Body shall be Blue Akzo Nobel or an approved equal color		
10.3	City of Atlanta sign graphic to be created and installed, centered on each side of truck body with lettering		

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Item Number	Group XVII – 11 yard Diesel Side Loader Refuse Truck Description	Compliance	Exception
	white and shaded in red.		
10.4	Sign shall be two (2) feet high x four (4) feet wide, painted white. The sign is to include the City of Atlanta Solid Waste Services and conform to the body side of the unit. (SEE ATTACHMENT 'A')		
10.5	A two (2") red/white, 3M reflective conspicuity strip shall be applied to run around the front, sides, and rear of the entire unit to include both the cab and body. Conspicuity tape shall also be applied to the top and bottom of the tailgate		
10.6	The entire front bumper of the unit shall have an alternating sequence of 2" wide, 3M red/white conspicuity tape. The tape shall be applied at a 45-degree angle to the top line of the bumper		
10.7	This unit shall be equipped with two (2), 12" x 12" inch, permanent decals on the tailgate of the vehicle. The passenger decal shall be yellow letters with a black background and read: "CAUTION this vehicle makes wide right turns". The driver side decal shall be black letters with a yellow background and read: "CAUTION this vehicle makes frequent stops"		
10.8	This unit shall be equipped with two (2) universal safety vehicle emblems to signify "Slow Moving Vehicle. This emblems shall be mounted on the top rear of the tailgate (Emblems shall be adhesive decals)		
11. BODY SPECIFICATIONS			
11.1	Packer body capacity shall be 11 cubic yards		
11.2	The packer body on this unit shall be mounted directly to the chassis frame at the rear end, and with a poly block tie-down system at the front		
11.3	The packer body on this unit shall meet all applicable ANSI Z245.1 safety standards		
12. HOPPER			
12.1	Two (2) rear signal buzzers switches mounted at rear, on each side.		
13. MOBILE REFUSE CONTAINER DUMPING SYSTEM			
13.1	A Rehrig Pacific RFID system shall be installed on the hopper for reading UHF RFID devices when the dump unit is activated.		
13.2	Diamond back or equivalent		

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Item Number	Group XVII –11 yard Diesel Side Loader Refuse Truck Description	Compliance	Exception
14. SAFETY FEATURES			
14.1	Two (2) universal safety vehicle emblems to signify “SLOW MOVING VEHICLE” to be mounted visible on top of rear tailgate		
15. LIGHTS			
15.1	All lights shall be completely visible from the rear after installation of the cart dumpers		
15.2	Daytime running lights		
15.3	Two (2) floodlights shall be provided in hopper area		
15.4	A Whelen PKRTA8, Super-LED directional warning light shall be mounted on the upper portion of the hopper		
15.5	Two (2) Whelen amber PKRSYS2 (pair), Super-LED warning lights shall be mounted one each side, upper portion of the body		
15.6	Two (2) Whelen amber 5GA00FAR, LED warning lights shall be mounted in the bumper area or grille area (one (1) on each side)		
16. HYDRAULIC QUICK DISCONNECTS			
16.1	Two (2) disconnect fittings to be installed in hydraulic system for unloading disabled vehicles with an auxiliary power unit		
17. WARRANTY			
17.1	Packer Unit: one (1) year from original delivery date		
17.2	Warranty facilities shall have serviced said equipment for a minimum of five (5) years as the factory’s authorized service center		
17.3	Vendor must be able to provide onsite warranty repair and service for the City of Atlanta’s fleet.		
17.4	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.		
17.5	All warranty repairs must be completed within 48 hours		
17.6	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		
17.7	Provide copies of standard warranty for assembled and delivered vehicle.		
17.8	Provide forms for delayed warranty start if vehicle delivery to COA is delayed due to upfit of special equipment or modification.		

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Item Number	Group XVII –11 yard Diesel Side Loader Refuse Truck Description	Compliance	Exception
17.9	Provide copies of standard warranty for systems and components as provided by individual suppliers.		
17.10	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.		
18.	TRAINING		
18.1	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.		
18.2	Bidder must also provide a minimum of two (2) technicians full CNG Factory certification training. (as applicable)		
18.3	All training classroom materials 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.		
18.4	Bidder must perform a minimum of eight (8) hours of operator training per unit ordered		
18.5	The City of Atlanta's fleet maintenance facility can be utilized as a service facility to perform the required warranty repairs.		
19.	DOCUMENTATION		
19.1	Operator's Manuals: A minimum of two (2) hard copies of the operator's manuals shall be provided with each unit.		
20.	DRIVE TRAIN DIAGNOSTICS		
20.1	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		

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Item Number	Group XVII – 11 yard Diesel Side Loader Refuse Truck Description	Compliance	Exception
	computer and updated as necessary, for ten (10) years (minimum).		
20.2	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.		
20.3	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.		
21.	DELIVERY		
21.1	Delivery Location: Office of Fleet Services Technical Services Branch 23 Claire Drive, S.E. Atlanta, GA 30315		
22 DECALS, BADGES, ADVERTISEMENTS			
22.1	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 XVII – 11 yard Diesel Side Loader Refuse Truck Description	Compliance	Exception
21. SERVICE PROVIDER RESPONSIBILITIES			
21.1	Contractor shall perform all scheduled Preventive Maintenance (PM) intervals in accordance with the manufacturer's recommended intervals and shall supply a PM schedule detailing inspections and repairs to be made for each type of interval.		
21.2	Contractor shall, under normal circumstances, begin work on equipment delivered to their repair facility within two (2) business days.		
21.3	Contractor shall maintain a minimum of 85% turnaround time within 168 business hours or seven (7) business days.		
21.4	Contractor shall fax an estimate of repair to the Director of OFS, or his designee, to obtain an		

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Item Number	Group XVII – 11 yard Diesel Side Loader Refuse Truck Description	Compliance	Exception
	authorizing work order number prior to performing any repair.		
21.5	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.		
21.6	A copy of the service/repair invoice shall be provided to OFS upon completion of the work.		

GROUP XVIII - 11 YARD DIESEL REAR LOADER REFUSE TRUCKS

3.2.15 MINIMUM SPECIFICATIONS – CAB AND CHASSIS

Item Number	Group XVIII – 11 yard Diesel Rear Loader Refuse Truck Description	Compliance	Exception
1. WHEELS			
1.1	Steel disc wheels(2.5 inches x 8.25 inches, 10 hole)		
1.2	Splash Guards and unmarked mud flaps shall be provided around the front wheel openings		
2. TIRES			
2.1	Front tires manufacturer requirements		
2.2	Rear tires manufacturer requirements		
2.3	Mud flaps shall be provided behind the front wheels and in front of rear wheels		
3. DIESEL ENGINE			
3.1	ISC Cummins manufacturer recommended		
3.2	Option extended warranty: 60 months or 100, 000 miles (parts and service)		
4. DIESEL FUEL SYSTEM			
4.1.	Minimum fifty(5) gallon capacity system step type		
4.2	Markings for 'DIESEL FUEL ONLY' at filler cap		
5. ELECTRICAL SYSTEM			
5.1	Electronic backup beeper		
5.2	A factory installed battery disconnect switch and jump start studs shall be provided		
5.3	This unit shall be equipped with high intensity headlights		
6. STEERING			
6.1	Tilt/telescopic steering wheel column		

FIRM NAME _____ SIGNATURE _____

Item Number	Group XVIII - 11 yard Diesel Rear Loader Refuse Truc Description	Compliance	Exception
7. TRANSMISSION			
7.1	Allison Transmission		
7.2	Five (5) years warranty (100% parts and labor)		
8. CAB AND ACCESSORIES			
8.1	Conventional truck with tilt hood and low profile design		
8.2	Self-rechargeable fire extinguisher		
8.3	Three (3) reflective triangles in a plastic box mounted in cab		
8.4	Factory installed air conditioning		
8.5	AM/FM radio with weatherband		
8.6	Driver's seat shall be a high back air-ride design		
8.7	This unit shall be equipped with west coast 6 x 16 outside mirrors with eight (8) inch spot mirrors		
8.8	A placard with the "Over-all height" shall be mounted in the cab dash area in plain view of the driver		
9. SPECIAL EQUIPMENT/SAFETY			
9.1	Tool rack for storing shovels, rakes etc., to be installed on the passenger side under the body or as space permits		
9.2	Provide rack for five (5) gallon water keg mounted outside the cab with retainer straps		
9.3	Rear Steps constructed of open mesh steel on each side		
9.4	Unmarked mud flaps on both rear and front wheel positions		
9.5	Two (2) universal signs safety vehicle emblems to signify "SLOW MOVING VEHICLE" shall be mounted visible from rear		
9.6	Four (4) LED, flashing amber lights shall be provided. Two (2) located at the front bumper area and two (2) on the rear body area, one each side		
9.7	Whelen TA857M, LED Traffic Advisor with in-cab control head shall be mounted at the rear hopper area with a protective guard		
9.8	A two (2) inch continuous reflective stripe on both sides and rear of the body and cab area		
9.9	Two (2) work lights shall be provided in the hopper area		
9.10	One (1) set grab rail shall be installed on each side of the hopper to ease the mounting/dismounting of the wrap around steps.		
9.11	Total vehicle height shall be marked on the left and		

FIRM NAME _____ SIGNATURE _____

Item Number	Group XVIII - 11 yard Diesel Rear Loader Refuse Truck Description	Compliance	Exception
	right front sides of the body in four (4) inch high lettering		
9.12	Two (2), 12" x 12" inch permanent decals shall be installed on the rear of the vehicle. The right side shall be in yellow letters with a black background and read: "Caution this vehicle makes wide right turns" The left side shall be in black letters with a yellow background and read: "Caution this vehicle makes frequent stops"		
9.13	Two (2) universal safety vehicle emblems to signify "Slow Moving Vehicle" shall be mounted on the top rear of the tailgate (emblems shall be adhesive decals).		
9.14	A 2", red/white, 3M reflective conspicuity tape shall be applied to the front, rear, and side to the entire length of the cab and body. Conspicuity tape shall also be applied to the top, bottom, and both sides of the rear hopper opening		
9.15	This unit shall be equipped with a dual camera CCTV system. One camera shall be mounted in the hopper area for viewing material being dumped into the hopper. The second camera shall be mounted on the upper header panel of the tailgate and will automatically activate when the transmission is placed in reverse		
10. PAINT			
10.1	Truck cab shall be Forrester Green or an approved equal color		
10.2	Body shall be Blue Akzo Nobel or an approved equal color		
10.3	City of Atlanta sign graphic to be created and installed, centered on each side of truck body with lettering white and shaded in red.		
10.4	Sign shall be two (2) feet high x four (4) feet wide, painted white. The sign is to include the City of Atlanta Solid Waste Services and conform to the body side of the unit. (SEE ATTACHMENT 'A')		
10.5	A two (2") red/white, 3M reflective conspicuity strip shall be applied to run around the front, sides, and rear of the entire unit to include both the cab and body. Conspicuity tape shall also be applied to the top and bottom of the tailgate		
10.6	The entire front bumper of the unit shall have an alternating sequence of 2" wide, 3M red/white		

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Item Number	Group XVIII – 11 yard Diesel Rear Loader Refuse Truck Description	Compliance	Exception
	conspicuity tape. The tape shall be applied at a 45-degree angle to the top line of the bumper		
10.7	This unit shall be equipped with two (2), 12" x 12" inch, permanent decals on the tailgate of the vehicle. The passenger decal shall be yellow letters with a black background and read: "CAUTION this vehicle makes wide right turns". The driver side decal shall be black letters with a yellow background and read: "CAUTION this vehicle makes frequent stops"		
10.8	This unit shall be equipped with two (2) universal safety vehicle emblems to signify "Slow Moving Vehicle." This emblems shall be mounted on the top rear of the tailgate (emblems shall be adhesive decals).		
11. BODY SPECIFICATIONS			
11.1	Packer body capacity shall be 11 cubic yards		
11.2	The packer body on this unit shall be mounted directly to the chassis frame at the rear end, and with a poly block tie-down system at the front		
11.3	The packer body on this unit shall meet all applicable ANSI Z245.1 safety standards		
12. HOPPER			
12.1	Two (2) rear signal buzzers switches mounted at rear, on each side.		
13. MOBILE REFUSE CONTAINER DUMPING SYSTEM			
13.1	A Rehrig Pacific RFID system shall be installed on the hopper for reading UHF RFID devices when the dump unit is activated.		
13.2	Diamond back or equivalent		
14. SAFETY FEATURES			
14.1	Two (2) universal safety vehicle emblems to signify "SLOW MOVING VEHICLE" shall be mounted visible on top of rear tailgate		
15. LIGHTS			
15.1	All lights shall be completely visible from the rear after installation of the cart dumpers		
15.2	Daytime running lights		
15.3	Two (2) floodlights shall be provided in hopper area		
15.4	A Whelen PKRTA8, Super-LED directional warning light shall be mounted on the upper portion of the hopper		
15.5	Two (2) Whelen amber PKRSYS2 (pair), Super-LED		

FIRM NAME _____ SIGNATURE _____

Item Number	Group XVIII –11 yard Diesel Rear Loader Refuse Truck Description	Compliance	Exception
	warning lights shall be mounted one (1) each side, upper portion of the body		
15.6	Two (2) Whelen amber 5GA00FAR, LED warning lights shall be mounted in the bumper area or grille area (one each side)		
16. HYDRAULIC QUICK DISCONNECTS			
16.1	Two (2) disconnect fittings to be installed in hydraulic system for unloading disabled vehicles with an auxiliary power unit		
17. WARRANTY			
17.1	Packer Unit: one (1) year from original delivery date		
17.2	Warranty facilities shall have serviced said equipment for a minimum of five (5) years as the factory's authorized service center		
17.3	Vendor must be able to provide onsite warranty repair and service for the City of Atlanta's fleet.		
17.4	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.		
17.5	All warranty repairs must be completed within 48 hours		
17.6	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		
17.7	Provide copies of standard warranty for assembled and delivered vehicle.		
17.8	Provide forms for delayed warranty start if vehicle delivery to COA is delayed due to upfit of special equipment or modification.		
17.9	Provide copies of standard warranty for systems and components as provided by individual suppliers.		
17.10	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		

FIRM NAME _____ SIGNATURE _____

Item Number	Group XVIII – 11 yard Diesel Rear Loader Refuse Truck Description	Compliance	Exception
	specification.		
18.	TRAINING		
18.1	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.		
18.2	Bidder must also provide a minimum of two (2) technicians full CNG Factory certification training. (as applicable)		
18.3	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.		
18.4	Bidder must perform a minimum of eight (8) hours of operator training per unit ordered		
18.5	The City of Atlanta's fleet maintenance facility can be utilized as a service facility to perform the required warranty repairs.		
19.	DOCUMENTATION		
19.1	Operator's Manuals: A minimum of two (2) hard copies of the operator's manuals shall be provided with each unit.		
20.	DRIVE TRAIN DIAGNOSTICS		
20.1	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).		
20.2	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.		
20.3	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 XVIII – 11 yard Diesel Rear Loader Refuse Truck Description	Compliance	Exception
21.	DELIVERY		
21.1	Delivery Location: Office of Fleet Services Technical Services Branch 23 Claire Drive, S.E. Atlanta, GA 30315		
22	DECALS, BADGES, ADVERTISEMENTS		
22.1	No dealer emblems, decals, or any other form of advertisement or identification shall be attached to the vehicle.		

3.2.18 MINIMUM SPECIFICATIONS – REPAIR SERVICES AND PARTS

Item Number	Group XVIII – 11 yard Diesel Rear Loader Refuse Truck Description	Compliance	Exception
21.	SERVICE PROVIDER RESPONSIBILITIES		
21.1	Contractor shall perform all scheduled Preventive Maintenance (PM) intervals in accordance with the manufacturer's recommended intervals and shall supply a PM schedule detailing inspections and repairs to be made for each type of interval.		
21.2	Contractor shall, under normal circumstances, begin work on equipment delivered to their repair facility within two (2) business days..		
21.3	Contractor shall maintain a minimum of 85% turnaround time within 168 business hours or seven (7) business days.		
21.4	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.		
21.5	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.		
21.6	A copy of the service/repair invoice shall be provided to OFS upon completion of the work.		

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GROUP XIX - 6 YARD CNG FRONT LOADER REFUSE TRUCKS

3.2.4 MINIMUM SPECIFICATIONS – CAB AND CHASSIS

Item Number	Group XIX– 6 yard CNG Front Loader Refuse Trucks Description	Compliance	Exception
1. DIMENSIONS			
1.1	Gross vehicle weight rating should not exceed 20,000 pounds		
2. BRAKES			
2.1	Front - disc type		
2.2	Rear - self-adjusting drum type		
3. WHEELS			
3.1	Splash Guards and unmarked mud flaps shall be provided around the front wheel openings		
4. TIRES			
4.1	Front tires 225/70R-19.5 (12 ply) tubeless radials, highway tread		
4.2	Rear tires 225/70R-19.5, (12 ply)		
5. CNG ENGINE			
5.1	This engine shall be a new factory built, dedicated compressed natural gas engine		
5.2	Option extended warranty: 60 months or 100, 000 miles (parts and service)		
6. CNG FUEL SYSTEM			
6.1.	The CNG fuel tanks shall be factory installed and warranted by the body manufacturer. The tanks shall meet all applicable Federal Safety Regulations for on highway CNG vehicles		
6.2	The fuel storage pack shall be 30 Diesel Gallon Equivalent (DGE).		
6.3	The fuel storage shall be mounted in a manner so as to avoid damage by collision or operational accidents		
6.4	The mounting and cabinets shall be factory installed and warranted by the body manufacturer.		
6.5	This system shall have two (2) NGV-one (1) fill receptacles rated at 3,600 PSI (OPW LB 36 fill valves or equal). One (1) fill receptacle shall be located in the fuel management module and the other to be placed at an agreed upon location on the street side frame rail. The unit to be of a fast fill design with both defueling and refueling ports.		
6.6	The CNG tanks must be fueled at the body OEM		

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Item Number	Group XIX – 6 yard CNG Front Loader Refuse Truck Description	Compliance	Exception
	facility prior to delivery.		
6.7	<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>		
6.8	One (1) 50' hose for defueling/refueling truck to truck.		

Item Number	Group XIX – 6 yard CNG Front Loader Refuse Truck Description	Compliance	Exception
7. ELECTRICAL SYSTEM			
7.1	Electronic backup beeper		
7.2	A factory installed battery disconnect switch and jump start studs shall be provided		
7.3	This unit shall be equipped with high intensity headlights		
8. STEERING			
8.1	Tilt/telescopic steering wheel column		
9. TRANSMISSION			
9.1	Automatic transmission manufacturer recommended		
9.2	Five (5) years warranty (100% parts and labor)		
10. CAB AND ACCESSORIES			
10.	All steel low entry cab forward		
10.2	Self-rechargeable fire extinguisher		
10.3	Three (3) reflective triangles in a plastic box mounted in cab		
10.4	Factory installed air conditioning		
10.5	AM/FM radio with weatherband		

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Item Number	Group XIX – 6 yard CNG Front Loader Refuse Truck Description	Compliance	Exception
10.6	Driver's seat shall be a high back air-ride design		
10.7	Cab color "green"		
10.8	A placard with the "Over-all height" shall be mounted in the cab dash area in plain view of the driver		
11. SPECIAL EQUIPMENT/SAFETY			
11.1	Tool rack for storing shovels, rakes etc., to be installed on the passenger side under the body or as space permits		
11.2	Provide rack for five (5) gallon water keg mounted outside the cab with retainer straps		
11.3	Rear Steps constructed of open mesh steel on each side		
11.4	Unmarked mud flaps on both rear and front wheel positions		
11.5	Two (2) universal signs safety vehicle emblems to signify "SLOW MOVING VEHICLE" to be mounted visible from rear		
11.6	Four (4) LED, flashing amber lights shall be provided. Two (2) located at the front bumper area and two (2) on the rear body area, one (1) each side		
11.7	Whelen TA857M, LED Traffic Advisor with in-cab control head shall be mounted at the rear hopper area with a protective guard		
11.8	A two (2) inch continuous reflective stripe on both sides and rear of the body and cab area		
11.9	Two (2) work lights shall be provided in the hopper area		
11.10	One (1) set grab rail shall be installed on each side of the hopper to ease the mounting/dismounting of the wrap around steps.		
11.11	Total vehicle height shall be marked on the left and right front sides of the body in four (4) inch high lettering		
11.12	Two (2), 12" x 12" inch permanent decals shall be installed on the rear of the vehicle. The right side shall be in yellow letters with a black background and read: "Caution this vehicle makes wide right turns" The left side shall be in black letters with a yellow background and read: "Caution this vehicle makes frequent stops"		
11.13	Two (2) universal safety vehicle emblems to signify "Slow Moving Vehicle" shall be mounted on the top rear of the tailgate (emblems shall be adhesive decals)		
11.14	A 2", red/white, 3M reflective conspicuity tape shall		

FIRM NAME _____ SIGNATURE _____

Item Number	Group XIX – 6 yard CNG Front Loader Refuse Truck Description	Compliance	Exception
	be applied to the front, rear, and side to the entire length of the cab and body. Conspicuity tape shall also be applied to the top, bottom, and both sides of the rear hopper opening		
11.15	The unit shall be equipped with a tool rack for storing shovels, rakes, etc., on the driver side under the body, or as space permits		
11.16	The unit shall be equipped with two (2) tow hooks, or loops, installed on the frame at both the front and rear. The two (2) front tow hooks should be mounted so as to facilitate towing without causing damage to either the front mounted hydraulic pump, or cab		
11.17	This unit shall be equipped with a dual camera CCTV system. One (1) camera shall be mounted in the hopper area for viewing material being dumped into the hopper. The second camera shall be mounted on the upper header panel of the tailgate and will automatically activate when the transmission is placed in reverse		
12. PAINT			
12.1	Truck cab shall be Forrester Green or an approved equal color		
12.2	Body shall be Blue Akzo Nobel or an approved equal color		
12.3	City of Atlanta sign graphic to be created and installed, centered on each side of truck body with lettering white and shaded in red.		
12.4	Sign shall be two (2) feet high x four (4) feet wide, painted white. The sign is to include the City of Atlanta Solid Waste Services and conform to the body side of the unit. (SEE ATTACHMENT 'A')		
12.5	A two (2'') red/white, 3M reflective conspicuity strip shall be applied to run around the front, sides, and rear of the entire unit to include both the cab and body. Conspicuity tape shall also be applied to the top and bottom of the tailgate		
12.6	The entire front bumper of the unit shall have an alternating sequence of 2" wide, 3M red/white conspicuity tape. The tape shall be applied at a 45-degree angle to the top line of the bumper		
12.7	This unit shall be equipped with two (2), 12" x 12" inch, permanent decals on the tailgate of the vehicle.		

FIRM NAME _____ SIGNATURE _____

Item Number	Group XIX – 6 yard CNG Front Loader Refuse Truck Description	Compliance	Exception
	The passenger decal shall be yellow letters with a black background and read: “CAUTION this vehicle makes wide right turns”. The driver side decal shall be black letters with a yellow background and read: “CAUTION this vehicle makes frequent stops”		
12.8	This unit shall be equipped with two (2) universal safety vehicle emblems to signify “Slow Moving Vehicle. This emblems shall be mounted on the top rear of the tailgate (Emblems shall be adhesive decals)		
13. BODY SPECIFICATIONS			
13.1	Packer body capacity shall be six (6) cubic yards		
13.2	The packer body on this unit shall be mounted directly to the chassis frame at the rear end, and with a poly block tie-down system at the front		
13.3	The body floor of this unit shall incorporate a drain system for clean-out and removal of waste water and contain a ball-type drain valve		
13.4	The packer body on this unit shall meet all applicable ANSI Z245.1 safety standards		
14. PACKER			
14.1	The tailgate on this compaction unit shall incorporate steps on both sides of the tailgate. These steps shall be at least 9.5” wide x 33.5 long.		
15. MOBILE REFUSE CONTAINER DUMPING SYSTEM			
15.1	A Mobile Refuse Container dumping cart shall be mounted in the center of the hopper area. The dump unit shall be operate semi-automatically and shall be designed to lift the container so that the containers contents will be dumped into the truck hopper		
15.2	Diamond Back or equivalent		
15.3.	A Rehrig Pacific RFID system shall be installed on the hopper for reading UHF RFID devices when the dump unit is activated.		
16. SAFETY FEATURES			
16.1	Two (2) universal safety vehicle emblems to signify “SLOW MOVING VEHICLE” shall be mounted visible on top of rear tailgate		
17. LIGHTS			
17.1	All lights shall be completely visible from the rear after installation of the cart dumpers		
17.2	Two (2) floodlights shall be provided in hopper area		

FIRM NAME _____ SIGNATURE _____

Item Number	Group XIX – 6 yard CNG Front Loader Refuse Trucks Description	Compliance	Exception
17.3	A Whelen PKRTA8, Super-LED directional warning light shall be mounted on the upper portion of the hopper		
17.4	Two (2) Whelen amber PKRSYS2 (pair), Super-LED warning lights shall be mounted one (1) each side, upper portion of the body		
17.5	Daytime Running Lights		
17.6	Two (2) Whelen amber 5GA00FAR, LED warning lights shall be mounted in the bumper area or grille area (one (1) each side)		
18. HYDRAULIC TANK			
18.1	A shut off valve shall be provided in the suction line at the tank		
19. WARRANTY			
19.1	Packer Unit: two (2) years from original delivery date		
19.2	Warranty facilities shall have serviced said equipment for a minimum of five (5) years as the factory's authorized service center		
19.3	Vendor must be able to provide onsite warranty repair and service for the City of Atlanta's fleet.		
19.4	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.		
19.5	All warranty repairs must be completed within 48 hours		
19.6	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		
19.7	Provide copies of standard warranty for assembled and delivered vehicle.		
19.8	Provide forms for delayed warranty start if vehicle delivery to COA is delayed due to upfit of special equipment or modification.		
19.9	Provide copies of standard warranty for systems and components as provided by individual suppliers.		
19.10	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		

FIRM NAME _____ SIGNATURE _____

Item Number	Group XIX – 6 yard CNG Front Loader Refuse Trucks Description	Compliance	Exception
	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.		
19.11	Manufacturer's standard warranty or warranty for a minimum of 24 months or 2,000 hours		
19.12	Option: Provide information and cost estimate for a five (5) year or 100,000 mile warranty on the vehicle or other extended warranty period.		
20.	TRAINING		
20.1	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.		
20.2	Bidder must also provide a minimum of two (2) technicians full CNG Factory certification training (as applicable).		
20.3	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.		
20.4	Bidder must perform a minimum of eight (8) hours of operator training per unit ordered		
20.5	The City of Atlanta's fleet maintenance facility can be utilized as a service facility to perform the required warranty repairs.		
21.	DOCUMENTATION		
21.1	Operator's Manuals: A minimum of two (2) hard copies of the operator's manuals shall be provided with each unit.		
22.	DRIVE TRAIN DIAGNOSTICS		
22.1	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).		
22.2	The contractor shall supply two (2) sets of all electronic connective devices or cables necessary to		

FIRM NAME _____ SIGNATURE _____

Item Number	Group XIX – 6 yard CNG Front Loader Refuse Trucks Description	Compliance	Exception
	allow communication between any vehicle electronic control module and Metro-provided diagnostic computers.		
22.3	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.		
23.	DELIVERY		
23.1	<u>Delivery Location:</u> Office of Fleet Services Technical Services Branch 23 Claire Drive, S.E. Atlanta, GA 30315		
24	DECALS, BADGES, ADVERTISEMENTS		
24.1	No dealer emblems, decals, or any other form of advertisement or identification shall be attached to the vehicle.		

3.2.19 MINIMUM SPECIFICATIONS – REPAIR SERVICES AND PARTS

Item Number	Group XIX – 6 yard CNG Front Loader Refuse Trucks Description	Compliance	Exception
25.	SERVICE PROVIDER RESPONSIBILITIES		
25.1	Contractor shall perform all scheduled Preventive Maintenance (PM) intervals in accordance with the manufacturer's recommended intervals and shall supply a PM schedule detailing inspections and repairs to be made for each type of interval.		
25.2	Contractor shall, under normal circumstances, begin work on equipment delivered to their repair facility within two (2) business days.		
25.3	Contractor shall maintain a minimum of 85% turnaround time within 168 business hours or seven (7) business days.		
25.4	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.		
25.5	All invoices for repair/service shall indicate: MSLP, discounted price to the city of all parts, labor rate		

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Item Number	Group XIX – 6 yard CNG Front Loader Refuse Trucks Description	Compliance	Exception
	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.		
25.6	A copy of the service/repair invoice shall be provided to OFS upon completion of the work.		

GROUP XX - 6 YARD CNG SIDE LOADER REFUSE TRUCKS

Item Number	Group XX– 6 yard CNG Side Loader Refuse Trucks Description	Compliance	Exception
1. DIMENSIONS			
1.1	Gross vehicle weight rating should not exceed 20,000 pounds		
2. BRAKES			
2.1	Front - disc type		
2.2	Rear - self-adjusting drum type		
3. WHEELS			
3.1	Splash Guards and unmarked mud flaps shall be provided around the front wheel openings		
4. TIRES			
4.1	Front tires 225/70R-19.5 (12 ply) tubeless radials, highway tread		
4.2	Rear tires 225/70R-19.5, (12 ply)		
5. CNG ENGINE			
5.1	This engine shall be a new factory built, dedicated compressed natural gas engine		
5.2	Option extended warranty: 60 months or 100, 000 miles (parts and service)		
6. CNG FUEL SYSTEM			
6.1.	The CNG fuel tanks shall be factory installed and warranted by the body manufacturer. The tanks shall meet all applicable Federal Safety Regulations for on highway CNG vehicles		
6.2	The fuel storage pack shall be 30 Diesel Gallon Equivalent (DGE).		
	The fuel storage shall be mounted in a manner so as to avoid damage by collision or operational accidents		
6.3	The mounting and cabinets shall be factory installed and warranted by the body manufacturer.		
6.4	This system shall have two (2) NGV-one (1) fill		

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Item Number	Group XX- 6 yard CNG Side Loader Refuse Trucks Description	Compliance	Exception
	receptacles rated at 3,600 PSI (OPW LB 36 fill valves or equal). One (1) fill receptacle shall be located in the fuel management module and the other to be placed at an agreed upon location on the street side frame rail. The unit to be of a fast fill design with both defueling and refueling ports.		
6.5	The CNG tanks must be fueled at the body OEM facility prior to delivery.		
6.6	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:		
6.7	One (1) 50' hose for defueling/refueling truck to truck.		

Item Number	Group XX - 6 yard CNG Side Loader Refuse Trucks Description	Compliance	Exception
7. ELECTRICAL SYSTEM			
7.1	Electronic backup beeper		
7.2	A factory installed battery disconnect switch and jump start studs shall be provided		
7.3	This unit shall be equipped with high intensity headlights		
8. STEERING			
8.1	Tilt/telescopic steering wheel column		
9. TRANSMISSION			
9.1	Automatic transmission manufacturer recommended		
9.2	Five (5) years warranty (100% parts and labor)		

FIRM NAME _____ SIGNATURE _____

Item Number	Group XX – 6 yard CNG Side Loader Refuse Trucks Description	Compliance	Exception
10. CAB AND ACCESSORIES			
10.	All steel low entry cab forward		
10.2	Self-rechargeable fire extinguisher		
10.3	Three (3) reflective triangles in a plastic box mounted in cab		
10.4	Factory installed air conditioning		
10.5	AM/FM radio with weatherband		
10.6	Driver's seat shall be a high back air-ride design		
10.7	Cab color "green"		
10.8	A placard with the "Over-all height" shall be mounted in the cab dash area in plain view of the driver		
11. SPECIAL EQUIPMENT/SAFETY			
11.1	Tool rack for storing shovels, rakes etc., to be installed on the passenger side under the body or as space permits		
11.2	Provide rack for five (5) gallon water keg mounted outside the cab with retainer straps		
11.3	Rear Steps constructed of open mesh steel on each side		
11.4	Unmarked mud flaps on both rear and front wheel positions		
11.5	Two (2) universal signs safety vehicle emblems to signify "SLOW MOVING VEHICLE" shall be mounted visible from rear		
11.6	Four (4) LED, flashing amber lights shall be provided. Two (2) located at the front bumper area and two (2) on the rear body area, one (1) each side		
11.7	Whelen TA857M, LED Traffic Advisor with in-cab control head shall be mounted at the rear hopper area with a protective guard		
11.8	A two (2) inch continuous reflective stripe on both sides and rear of the body and cab area		
11.9	Two (2) work lights shall be provided in the hopper area		
11.10	One (1) set grab rail shall be installed on each side of the hopper to ease the mounting/dismounting of the wrap around steps.		
11.11	Total vehicle height shall be marked on the left and right front sides of the body in four (4) inch high lettering		
11.12	Two (2), 12" x 12" inch permanent decals shall be installed on the rear of the vehicle. The right side shall be in yellow letters with a black background and read:		

FIRM NAME _____ SIGNATURE _____

Item Number	Group XX – 6 yard CNG Side Loader Refuse Trucks Description	Compliance	Exception
	“Caution this vehicle makes wide right turns” The left side shall be in black letters with a yellow background and read: “Caution this vehicle makes frequent stops”		
11.13	Two (2) universal safety vehicle emblems to signify “Slow Moving Vehicle” shall be mounted on the top rear of the tailgate (emblems shall be adhesive decals)		
11.14	A 2”, red/white, 3M reflective conspicuity tape shall be applied to the front, rear, and side to the entire length of the cab and body. Conspicuity tape shall also be applied to the top, bottom, and both sides of the rear hopper opening		
11.15	The unit shall be equipped with a tool rack for storing shovels, rakes, etc., on the driver side under the body, or as space permits		
11.16	The unit shall be equipped with two (2) tow hooks, or loops, installed on the frame at both the front and rear. The two (2) front tow hooks should be mounted so as to facilitate towing without causing damage to either the front mounted hydraulic pump, or cab		
11.17	This unit shall be equipped with a dual camera CCTV system. One (1) camera shall be mounted in the hopper area for viewing material being dumped into the hopper. The second camera shall be mounted on the upper header panel of the tailgate and will automatically activate when the transmission is placed in reverse		
12. PAINT			
12.1	Truck cab shall be Forrester Green or an approved equal color		
12.2	Body shall be Blue Akzo Nobel or an approved equal color		
12.3	City of Atlanta sign graphic to be created and installed, centered on each side of truck body with lettering white and shaded in red.		
12.4	Sign shall be two (2) feet high x four (4) feet wide, painted white. The sign shall include the City of Atlanta Solid Waste Services and conform to the body side of the unit. (SEE ATTACHMENT ‘A’)		
12.5	A two (2”) red/white, 3M reflective conspicuity strip shall be applied to run around the front, sides, and rear of the entire unit to include both the cab and body. Conspicuity tape shall also be applied to the top and		

FIRM NAME _____ SIGNATURE _____

Item Number	Group XX – 6 yard CNG Side Loader Refuse Trucks Description	Compliance	Exception
	bottom of the tailgate		
12.6	The entire front bumper of the unit shall have an alternating sequence of 2" wide, 3M red/white conspicuity tape. The tape shall be applied at a 45-degree angle to the top line of the bumper		
12.7	This unit shall be equipped with two (2), 12" x 12" inch, permanent decals on the tailgate of the vehicle. The passenger decal shall be yellow letters with a black background and read: "CAUTION this vehicle makes wide right turns". The driver side decal shall be black letters with a yellow background and read: "CAUTION this vehicle makes frequent stops"		
12.8	This unit shall be equipped with two (2) universal safety vehicle emblems to signify "Slow Moving Vehicle. This emblems shall be mounted on the top rear of the tailgate (emblems shall be adhesive decals)		
13. BODY SPECIFICATIONS			
13.1	Packer body capacity shall be six (6) cubic yards		
13.2	The packer body on this unit shall be mounted directly to the chassis frame at the rear end, and with a poly block tie-down system at the front		
13.3	The body floor of this unit shall incorporate a drain system for clean-out and removal of waste water and contain a ball-type drain valve		
13.4	The packer body on this unit shall meet all applicable ANSI Z245.1 safety standards		
14. PACKER			
14.1	The tailgate on this compaction unit shall incorporate steps on both sides of the tailgate. These steps shall be at least 9.5" wide x 33.5 long.		
15. MOBILE REFUSE CONTAINER DUMPING SYSTEM			
15.1	A Mobile Refuse Container dumping cart shall be mounted in the center of the hopper area. The dump unit shall be operate semi-automatically and shall be designed to lift the container so that the containers contents will be dumped into the truck hopper		
15.2	Diamond Back or equivalent		
15.3.	A Rehrig Pacific RFID system shall be installed on the hopper for reading UHF RFID devices when the dump unit is activated.		

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Item Number	Group XX – 6 yard CNG Side Loader Refuse Trucks Description	Compliance	Exception
16. SAFETY FEATURES			
16.1	Two (2) universal safety vehicle emblems to signify “SLOW MOVING VEHICLE” shall be mounted visible on top of rear tailgate		
17. LIGHTS			
17.1	All lights shall be completely visible from the rear after installation of the cart dumpers		
17.2	Two (2) floodlights shall be provided in hopper area		
17.3	A Whelen PKRTA8, Super-LED directional warning light shall be mounted on the upper portion of the hopper		
17.4	Two (2) Whelen amber PKRSYS2 (pair), Super-LED warning lights shall be mounted one (1) each side, upper portion of the body		
17.5	Daytime Running Lights		
17.6	Two (2) Whelen amber 5GA00FAR, LED warning lights shall be mounted in the bumper area or grille area (one (1) each side)		
18. HYDRAULIC TANK			
18.1	A shut off valve shall be provided in the suction line at the tank		
19. WARRANTY			
19.1	Packer Unit: two (2) years from original delivery date		
19.2	Warranty facilities shall have serviced said equipment for a minimum of five (5) years as the factory’s authorized service center		
19.3	Vendor must be able to provide onsite warranty repair and service for the City of Atlanta’s fleet.		
19.4	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.		
19.5	All warranty repairs must be completed within 48 hours		
19.6	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		
19.7	Provide copies of standard warranty for assembled and delivered vehicle.		
19.8	Provide forms for delayed warranty start if vehicle delivery to COA is delayed due to upfit of special equipment or modification.		
19.9	Provide copies of standard warranty for systems and		

FIRM NAME _____ SIGNATURE _____

Item Number	Group XX – 6 yard CNG Side Loader Refuse Trucks Description	Compliance	Exception
	components as provided by individual suppliers.		
19.10	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.		
19.11	Manufacturer's standard warranty or warranty for a minimum of 24 months or 2,000 hours		
19.12	Option: Provide information and cost estimate for a five (5) year or 100,000 mile warranty on the vehicle or other extended warranty period.		
20.	TRAINING		
20.1	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.		
20.2	Bidder must also provide a minimum of two (2) technicians full CNG Factory certification training (as applicable).		
20.3	All training classroom materials 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.		
20.4	Bidder must perform a minimum of eight (8) hours of operator training per unit ordered		
20.5	The City of Atlanta's fleet maintenance facility can be utilized as a service facility to perform the required warranty repairs.		
21.	DOCUMENTATION		
21.1	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 XX – 6 yard CNG Side Loader Refuse Trucks Description	Compliance	Exception
22. DRIVE TRAIN DIAGNOSTICS			
22.1	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).		
22.2	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.		
22.3	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.		
23. DELIVERY			
23.1	<u>Delivery Location:</u> Office of Fleet Services Technical Services Branch 23 Claire Drive, S.E. Atlanta, GA 30315		
24 DECALS, BADGES, ADVERTISEMENTS			
24.1	No dealer emblems, decals, or any other form of advertisement or identification shall be attached to the vehicle.		

3.2.20 MINIMUM SPECIFICATIONS – REPAIR SERVICES AND PARTS

Item Number	Group XX – 6 yard CNG Side Loader Refuse Trucks Description	Compliance	Exception
25. SERVICE PROVIDER RESPONSIBILITIES			
25.1	Contractor shall perform all scheduled Preventive Maintenance (PM) intervals in accordance with the manufacturer's recommended intervals and shall supply a PM schedule detailing inspections and repairs to be made for each type of interval.		
25.2	Contractor shall, under normal circumstances, begin work on equipment delivered to their repair facility within two (2) business days..		
25.3	Contractor shall maintain a minimum of 85%		

FIRM NAME _____

SIGNATURE _____