City of Portland ITB 106889 – Food Waste and Recycling Containers
Sustainable Procurement Specifications Excerpt
February 22, 2007

103.12. CERTIFICATION
A. Contractor shall test and document supplies using requirements set forth in ANSI Z245.30-1994 and ANSI Z245.60-1996. Offeror shall provide certified copies of the results of each test set forth in the Testing Requirements section of ANSI Z245.30-1994 and ANSI Z245.60-1996 with the Offer. Failure to provide this information may result in rejection of the Offer. Wherever a certification of an ANSI standard is required in the Solicitation or Contract, that certification must be provided by a party qualified and officially recognized by ANSI to perform such analysis.

B. EXCLUSIONS
ITEMS 002 Lid operating range will not conform to ANSI Z245.30-1999 certification, 7. Technical requirements, 7.1 General safeguards and features, 7.1.3.7 Two-wheeled cart lids, if hinged, shall be designed to permit lid opening rotation to a minimum of 90 degrees to a maximum of 270 degrees from the closed position to the fully open position. Lid shall conform to Oregon Fire Marshall requirements for opening rotation less than 90 degrees from the closed position to the fully open position.

103.13. MATERIAL COMPLIANCE
Contractor shall submit a certificate of material compliance with each order. This certificate shall identify each material used and the raw material lot number by the resin manufacturer.

104 TECHNICAL SPECIFICATIONS
104.1. USAGE
Items shall be capable of being lifted and dumped from any angle. All items shall be designed and manufactured to regularly and repeatedly receive and dump a minimum of 3.5 pounds per gallon. Maximum load rating shall be stated on the OFFER FORM for each item offered.

104.2. FABRICATION
The containers shall be manufactured from polyethylene with a density greater than 0.933 grams per cubic centimeter and shall be UV stabilized to prevent material breakdown and color fading. Containers will contain a minimum of 30 percent by weight post-consumer regrind (PCR) polyethylene. Within ten (10) days of the City's written request the Offeror must supply a letter from the resin manufacturer certifying that the post-consumer resin is of like quality. The container lid (if applicable) shall be manufactured of the same material as the container body. PRC polyethylene and ultraviolet stabilizer will be hot melt compounded into base material. The container will have a minimum wall thickness of 0.10".

104.3. STABILITY
The container shall be stable and self-balancing when in the upright position, when either loaded or empty. When the container is sitting on a surface, it shall sit flat to the surface. The container shall remain in the upright position when the lid is being removed.

104.4. COMPRESSIVE FORCE
Each container shall be capable of withstanding a compressive force of 200 pounds during the lifting and dumping process.

104.5. ITEM SPECIFICATIONS

ITEM 001 20-26 GALLON FOOD WASTE WITH LID	
A. CAPACITY MINIMUM	20 U.S. LIQUID GALLONS
B. CAPACITY MAXIMUM	26 U.S. LIQUID GALLONS
C. CONTAINER COLOR	GREEN
D. STAMPING COLOR	BRIGHT WHITE PERMANENT
D. DIMENSIONS	EXTERIOR HEIGHT MIN 25” TO MAX 31” INTERIOR HEIGHT MIN 24” TO MAX 30” TOP DIAMETER MIN 19” TO MAX 23” BOTTOM DIAMETER MIN 14” TO MAX18”
E. MATERIAL	MINIMUM PCR POLYETHYLENE 30% BY WEIGHT
F. LID	SNAP-ON LID WITH TWO (2) DIAMETRICALLY-POSITIONED HANDLES LOCATED ON THE SIDES. WATERTIGHT IN CLOSED POSITION.
G. HANDLE(S)	TWO (2) INTEGRALLY-MOLDED HANDLES LOCATED NEAR THE TOP OF THE CONTAINER
H. INTERIOR FINISH	HIGH GLOSS FINISH
I. EXTERIOR FINISH	NA
J. EXTERIOR MARKINGS FRONT	LINE 1 TEXT: “FOOD WASTE & FOOD SOILED PAPER ONLY” LINE 2 TEXT: “Portland Composts!” LINE 3 LOGO: CHASING ARROWS RECYCLING LOGO CITY MAY ACCEPT VARIATIONS ON MARKING PLACEMENT
K. EXTERIOR MARKING SIDE	NA
L. EXTERIOR MARKING REAR	TEXT: “Container for holding food waste only; City of Portland, waste hauler or recycler not responsible for injury or damage resulting from other use. Container is made of 30% post consumer material. Please contact your waste hauler for questions regarding your collection service.”
M. AXLE	NA
N. WHEELS	NA
O. GRAB BAR	NA
END OF ITEM 001 SPECIFICATIONS	

ITEM 002 32-38 GALLON RECYCLING ROLL CART	
A. CAPACITY MINIMUM	32 U.S. LIQUID GALLONS
B. CAPACITY MAXIMUM	38 U.S. LIQUID GALLONS
C. CONTAINER COLOR	BLUE
D. STAMPING COLOR	BRIGHT YELLOW, PERMANENT
D. DIMENSIONS	HEIGHT MAX 39.5 INCHES DEPTH MAX 25 INCHES WIDTH MAX 20 INCHES
E. MATERIAL	MINIMUM PCR POLYETHYLENE 30% BY WEIGHT
F. LID	LID SHALL NOT WARP, BEND, DISTORT, OR SLUMP AND SHALL CONFORM TO CONTAINER SHAPE. LID SHALL BE ATTACHED TO THE CONTAINER USING A FACTORY PRODUCED HINGE MECHANISM AND SHALL CONTINUOUSLY OVERLAP THE CONTAINER. THE LID SHALL OPEN NO MORE THAN 90 DEGREES PER OREGON FIRE MARSHAL INSTRUCTIONS SO THAT IT WILL NEVER STAY OPEN ON ITS OWN. THE METHOD FOR LIMITING THE 90 DEGREES OF THE LID AND ENSURING THAT THE LID WILL SHUT WHEN NOT HELD OPEN SHALL BE FACTORY ENGINEERED AND MANUFACTURED, AND SHALL NOT BE READILY DEFEATED. FIELD ASSEMBLY OF FACTORY PRODUCED COMPONENTS IS ACCEPTABLE. STRAPS, ROPES OR METAL COMPONENTS WITH PINCH POINTS ARE UNACCEPTABLE. HINGES SHALL NOT CONTAIN ANY RESIN WHICH IS NOT UV STABILIZED, OR HAVE EXPOSED PVC, METAL PINS, TUBES, PIANO TYPE HINGES, OR ANY OTHER METAL COMPONENTS. THE LID SHALL HAVE A FLAT SURFACE ON TOP OF THE LID IN THE MINIMUM DIMENSION OF 12 INCH WIDTH X 4 INCH HEIGHT
G. HANDLE(S)	HANDLE SHALL BE AN INTEGRALLY-MOLDED AND FIXED PART OF THE CONTAINER BODY.
H. INTERIOR FINISH	HIGH-GLOSS FINISH
I. EXTERIOR FINISH	EXTERIOR SURFACE SHALL NOT HINDER MECHANICAL ARM PICKUP OF THE CONTAINER
J. EXTERIOR MARKINGS FRONT	FRONT MAX 20 INCH X MAX 39.5 INCH “THIS CONTAINER IS DESIGNED FOR THE EXPRESS PURPOSE OF HOLDING RECYCLABLE MATERIALS. THE CITY OF PORTLAND AND THE WASTE HAULER OR RECYCLER TAKE NO RESPONSIBILITY FOR INJURY OR DAMAGE RESULTING FROM ANY USE OTHER THAN THE CONTAINER’S INTENDED PURPOSE”. CITY MAY ACCEPT VARIATIONS ON MARKING PLACEMENT
K. EXTERIOR MARKING SIDE	SIDE MAX 25 INCH X 39.5 INCH LOGO: “Portland Recycles!” followed by the chasing arrows recycling logo underneath the writing of “Portland Recycles!”. TEXT: Marked below the chasing arrows “This container is the property of the City of Portland. The theft of recyclables is punishable by a fine of $500 or more under the Portland City Code. Report all theft of contents to your hauler or recycler.”
L. EXTERIOR MARKING REAR	TEXT: “THIS CONTAINER IS MADE OF 30% POST CONSUMER RECYCLED PLASTIC. PLEASE CONTACT YOUR WASTE HAULER IF YOU HAVE ANY QUESTIONS REGARDING YOUR COLLECTION SERVICE”.
M. AXLE	MINIMUM 5/8 INCH SOLID STEEL AXLE , ELECTROSTATICALLY COATED TO PREVENT RUST. AXLE SHALL BE ATTACHED TO THE CONTAINER BY MOLDED-IN AXLE SLEEVE. POP RIVETS OR PIANO HINGES ARE NOT ACCEPTABLE. THE AXLE SHALL BE SUPPORTED TO MINIMIZE STRESS AND PREVENT BENDING
N. WHEELS	WHEELS CAPABLE OF SUPPORTING WEIGHT OF FULLY LOADED CART AT 3.5 POUNDS PER GALLON OF CAPACITY. IDENTIFY WHEEL LOAD RATING ON OFFER FORM FOR EACH ITEM OFFERED.
O. GRAB BAR	GRAB BAR ON MAX 20 INCH X MAX 39.5 INCH FRONT OF CONTAINER PARALLEL TO THE GROUND AND LOCATED AT THE DISTANCE FROM THE GROUND OF MIN 15.75 INCHES TO MAX 17.25 INCHES ON CENTER. CENTERED HORIZONTALLY. GAB BAR WILL BE MOLDED INTO THE CONTAINER OR FORMED OF TUBULAR STEEL WITH A SEALED CONSTRUCTION TO ELIMINATE POTENTIAL LEAKAGE. COMPATIBLE WITH ALL LIFTING DEVICES. METAL GRAB BARS WILL BE CONSTRUCTED OF

	GALVANIZED STEEL AND HAVE A MINIMUM OF 1” OUTSIDE DIAMETER AND CAPABLE OF ROTATING 360 DEGREES.
END OF ITEM 002 SPECIFICATIONS	

ITEM 003 32-38 GALLON FOOD WASTE ROLL CART	
A. CAPACITY MINIMUM	32 U.S. LIQUID GALLONS
B. CAPACITY MAXIMUM	38 U.S. LIQUID GALLONS
C. CONTAINER COLOR	LIGHT BRIGHT GREEN
D. STAMPING COLOR	WHITE, PERMANENT
D. DIMENSIONS	HEIGHT 39.5" INCHES DEPTH 25 INCHES WIDTH MAX 20 INCHES
E. MATERIAL	MINIMUM PCR POLYETHYLENE 30% BY WEIGHT
F. LID	LID SHALL NOT WARP, BEND, DISTORT, OR SLUMP AND SHALL CONFORM TO CONTAINER SHAPE. LID SHALL BE ATTACHED TO THE CONTAINER USING A FACTORY PRODUCED HINGE MECHANISM AND SHALL CONTINUOUSLY OVERLAP THE CONTAINER. HINGES SHALL NOT CONTAIN ANY RESIN WHICH IS NOT UV STABILIZED, OR HAVE EXPOSED PVC, METAL PINS, TUBES, PIANO TYPE HINGES, OR ANY OTHER EXPOSED METAL COMPONENTS. THE LID SHALL HAVE A FLAT SURFACE ON TOP OF THE LID IN THE MINIMUM DIMENSION OF 12 INCH WIDTH X 4 INCH HEIGHT. LID OPENING ROTATION TO A MINIMUM OF 90 DEGREES TO A MAXIMUM OF 270 DEGREES FROM THE CLOSED POSITION TO THE FULLY OPEN POSITION.
G. HANDLE(S)	HANDLE SHALL BE AN INTEGRALLY-MOLDED AND FIXED PART OF THE CONTAINER BODY
H. INTERIOR FINISH	HIGH-GLOSS FINISH
I. EXTERIOR FINISH	EXTERIOR SURFACE SHALL NOT HINDER THE CONTAINER PICK-UP BY A MECHANICAL ARM
J. EXTERIOR MARKINGS FRONT	MAX 20 INCH X MAX 39.5 INCH FRONT LINE 1 TEXT: "THIS CONTAINER IS DESIGNED FOR THE EXPRESS PURPOSE OF HOLDING COMPOSTABLE MATERIALS. THE CITY OF PORTLAND AND THE WASTE HAULER OR RECYCLER TAKE NO RESPONSIBILITY FOR INJURY OR DAMAGE RESULTING FROM ANY USE OTHER THAN THE CONTAINER'S INTENDED PURPOSE". CITY MAY ACCEPT VARIATIONS ON MARKING PLACEMENT
K. EXTERIOR MARKINGS SIDE	LINE 1 TEXT: "Portland Composts!" LINE 2 LOGO: food waste logo SUPPLIED BY CITY LINE 3 TEXT: "Food Only—No Plastic".
L. EXTERIOR MARKING REAR	LINE 1 TEXT: "THIS CONTAINER IS MADE OF 30% POST CONSUMER RECYCLED PLASTIC. LINE 2 TEXT "PLEASE CONTACT YOUR WASTE HAULER IF YOU HAVE ANY QUESTIONS REGARDING YOUR COLLECTION SERVICE".
M. AXLE	MINIMUM 5/8 INCH SOLID STEEL AXLE , ELECTROSTATICALLY COATED TO PREVENT RUST. AXLE SHALL BE ATTACHED TO THE CONTAINER BY MOLDED-IN AXLE SLEEVE. POP RIVETS OR PIANO HINGES ARE NOT ACCEPTABLE. THE AXLE SHALL BE SUPPORTED TO MINIMIZE STRESS AND PREVENT BENDING
N. WHEELS	WHEELS CAPABLE OF SUPPORTING WEIGHT OF FULLY LOADED CART AT 3.5 POUNDS PER GALLON OF CAPACITY. IDENTIFY WHEEL LOAD RATING ON OFFER FORM FOR EACH ITEM OFFERED.
O. GRAB BAR	GRAB BAR ON MAX 20 INCH X MAX 39.5 INCH FRONT OF CONTAINER PARALLEL TO THE GROUND AND LOCATED AT THE DISTANCE FROM THE GROUND OF MIN 15.75 INCHES TO MAX 17.25 INCHES ON CENTER. CENTERED HORIZONTALLY. GAB BAR WILL BE MOLDED INTO THE CONTAINER OR FORMED OF TUBULAR STEEL WITH A SEALED CONSTRUCTION TO ELIMINATE POTENTIAL LEAKAGE. COMPATIBLE WITH ALL LIFTING DEVICES. METAL GRAB BARS WILL BE CONSTRUCTED OF GALVANIZED STEEL AND HAVE A MINIMUM OF 1" OUTSIDE DIAMETER AND CAPABLE OF ROTATING 360 DEGREES.
END OF ITEM 003 SPECIFICATIONS	

ITEM 004 21-25 GALLON PLASTIC FOOD WASTE SLIMLINE CONTAINER	
A. CAPACITY MINIMUM	21 U.S. LIQUID GALLONS
B. CAPACITY MAXIMUM	25 U.S. LIQUID GALLONS
C. CONTAINER COLOR	GREEN
D. STAMPING COLOR	BRIGHT WHITE PERMANENT
D. DIMENSIONS	HEIGHT MIN 28 INCHES TO MAX 31 INCHES WIDTH MIN 19 INCHES TO MAX 25 INCHES DEPTH MIN 9 INCHES TO MAX 14 INCHES
E. MATERIAL	MINIMUM PCR POLYETHYLENE 30% BY WEIGHT
F. LID	NA
G. HANDLES	NA
H. INTERIOR FINISH	HIGH-GLOSS FINISH.
I. EXTERIOR FINISH	NA
J. EXTERIOR MARKINGS FRONT	LINE 1 TEXT: “FOOD WASTE & FOOD SOILED PAPER ONLY” LINE 2 TEXT: “Portland Composts!” LINE 3 LOGO: Chasing arrows recycling logo CITY MAY ACCEPT VARIATIONS ON MARKING PLACEMENT
K. EXTERIOR MARKINGS SIDE	NA
L. EXTERIOR MARKING REAR	LINE 1 TEXT: “Container for holding food waste only; City of Portland, waste hauler or recycler not responsible for injury or damage resulting from other use. Container is made of 30% post consumer material. Please contact your waste hauler for questions regarding your collection service.”
M. AXLE	NA
N. WHEELS	NA
O. GRAB BAR	NA
END OF ITEM 004 SPECIFICATIONS	

END OF TECHNICAL SPECIFICATIONS