

# **Town of Old Orchard Beach Maine**



**Town of Old Orchard Beach, Maine  
NOTICE OF REQUEST FOR PROPOSALS  
RESIDENTIAL CURBSIDE COLLECTION CONTAINERS**

**June 5<sup>th</sup>, 2023**

Diana Asanza, Town Manager  
Town of Old Orchard Beach  
1 Portland Ave.  
Old Orchard Beach ME 04064

# Town of Old Orchard Beach

## Request for Proposal – Residential Curbside Collection Containers. - continued

### **OBJECTIVES**

The Town of Old Orchard Beach is seeking proposals to supply the Town with 64 gallon size universal rollout waste containers for fully automated waste collection.

This Request for Proposal document does not define any contractual relationship between the selected respondent and the Town of Old Orchard Beach or obligate the Town of Old Orchard Beach to follow a set selection process. Any binding agreement between the Town of Old Orchard Beach and the successful respondent will be through a formal written agreement (contract) after the Town of Old Orchard Beach Town Council has made its selection.

### **SUBMISSION INFORMATION AND REQUIREMENTS**

Proposals must be received by the Town of Old Orchard Beach no later than **1:00 PM on Friday, July 14th, 2023**. Proposals should be in a sealed envelope plainly marked “RFP – Residential Curbside Collection Containers”, and **mailed or delivered** to:

Town Manager  
Town of Old Orchard Beach  
1 Portland Ave.  
Old Orchard Beach, ME 04064

Copies may be emailed to Tim Fleury, [tfleury@oobmaine.com](mailto:tfleury@oobmaine.com)

# Town of Old Orchard Beach

## Request for Proposal – Residential Curbside Collection Containers. - continued

For testing purposes, Proposers must submit one sample of their 64 gallon containers. Please include any relevant manuals or literature. These samples will remain the property of the Town. If the containers meet specifications they will be the standard by which future containers will be measured.

Container samples should be delivered to:

Town of Old Orchard Beach  
Town Manager  
1 Portland Ave  
Old Orchard Beach, ME 04064  
ATTN: Tim Fleury

Containers to be delivered within five (5) days of proposal submission date. Call Tim Fleury @ (207) 937-5626 or email [tfleury@oobmaine.com](mailto:tfleury@oobmaine.com) with any questions regarding specifications or sample delivery. Deadline for responding to questions is June 30<sup>th</sup>, 2023. Any information provided to an inquiry will be provided to all perspective bidders.

# Town of Old Orchard Beach

## Request for Proposal – Residential Curbside Collection Containers. - continued

### Universal Roll out Cart Specifications

#### *UNIVERSAL ROLL OUT CONTAINERS*

The specifications herein describe the minimum acceptable features and performance requirements for universal refuse and waste containers. Bidders must thoroughly read and understand these specifications prior to proposal submission. All proposals must be submitted on the Town’s form provided. Bidders shall complete the specification column with a check mark to indicate if the item being proposed by the Bidder is exactly as specified. If an item is left blank, the Town’s will assume the Bidder cannot meet the specifications and may cause rejection of the proposal. By checking any of the “NO” spaces the Bidder states that the product being proposed does not conform to that specification. All variations and/or exceptions must be documented, referencing applicable paragraph(s), and explained in detail on a separate page titled “Exceptions”. Exceptions will not automatically disqualify a bidder. If the Town determines by any means that exceptions exist which were not identified on such list, then that proposal will be disqualified as being non-responsive. If no exceptions are taken, it will be assumed that the proposal meets all specifications. If awarded, the successful bidder must only deliver the container or containers that are proposed with this bid submission. Failure to provide the exact container specified will disqualify said bidder. Failure to provide a sample container at the Town’s request within 5 days will be subject for disqualification of the said bidder.

#### *MANUFACTURING PROCESSES AND MATERIALS*

Each universal roll out container shall consist of a body, lid, wheels, axle, and necessary accessories. The plastic resin material and the finished container must meet the minimum specifications herein.

Description	Yes	No
<b>MANUFACTURING PROCESS:</b> Each container and lid must be made from the injection-molded or roto molded process.		

# Town of Old Orchard Beach

## Request for Proposal – Residential Curbside Collection Containers. - continued

**PLASTIC MATERIAL:** Base plastic resin for the container body and lid must be first quality high-density polyethylene (HDPE) supplied by a national petrochemical producer such as Dow Chemical or Exxon Mobil. Off-spec or wide spec material and dry blending of material is not acceptable.

The bidder must submit technical data sheet(s) from the resin producer.

Carts manufactured with 100% Virgin Resin will not be considered as it does not comply with the Town’s sustainability initiative. There must be at the minimum 20% re-grind

In addition, 5% of the 20% regrind (based on the weight of the body) must be Post-Consumer Waste – Postindustrial will not be a substitute and the 5% may not be in the wheels of the container. This specification is tied to a grant the Town is considering.

All of these items will be required:

- **Prior to cart roll out:** the Cart manufacturer of choice must provide a 3<sup>rd</sup> party Certification that states the PCR is in fact curbside recycled content and will be purchased at a volume equal to 5% of the cart and lid total weight to the Community or Hauler making the purchase.
- **Prior to cart roll out:** Provide a PO with letter of intent to purchase this material from certified vendors of RPC.
- **Email Acknowledgement** between a community and their selected cart manufacturer of residential post-consumer recycled plastic content requirements for recycling carts; must be specific to The Recycling Partnership grant-funded project
- **Pre-Roll Out** *Copy of the actual purchase order or other billing statement with residential post-consumer recycled plastic content noted.*

Post-rollout

- **Post Roll Out:** Invoice from the cart manufacturer to the community that details the number of recycling carts purchased and distributed under the terms of the community’s Grant Agreement with The Recycling Partnership. Additionally, invoice documentation should detail the following:
  - Total weight of certified residential post-consumer recycled plastic content.
  - Recycled Content in each Recycling Cart including PCR.
  - Total weight of purchased recycling carts.

# Town of Old Orchard Beach

## Request for Proposal – Residential Curbside Collection Containers. - continued

<p><b>RESIN ADDITIVES:</b> The plastic resin must be enhanced with color pigment and ultraviolet inhibitor, which must be uniformly distributed throughout the finished container.</p> <p>All plastic parts shall be specifically prepared to be colorfast so that the plastic material does not alter or fade appreciably in normal use. Containers must be manufactured using a hindered amine light (HAL) stabilizer package, which maximizes light stable color pigments, ensures for minimal degradation, and protects the plastic resin at the chemical level. The container shall be protected against ultraviolet rays with an ultraviolet stabilizer additive with no less than one- and one-half percent (1.5%) by weight.</p> <p>The bidder must submit a statement certifying that all of the plastic resin and additives will be hot melt blended.</p>		
<p><b>RECYCLE ABILITY:</b> The bidder must include with the bid any option for the repurchase/recycling of containers at the end of their useful life. Bidders must operate and own their own recycling division within their company where multiple streams of plastic can be recycled beyond just old/damaged containers. Does the bidder own and operate their own recycling division within the company?</p> <p>YES _____ NO _____</p>		
<p><b>MANUFACTURING LOCATION AND EXPERIENCE:</b> Manufacturer shall be wholly owned and operated US corporation. Every Bidder MUST have at least 10 years of manufacturing experience in the US.</p> <p>Each manufacturer MUST have full control over all manufacturing operations. Any bidder who outsources manufacturing will be disqualified as this has a potential to upset our delivery schedule. Preference will be given to those who have multiple facilities as a failsafe.</p>		
<p><b>TESTING:</b> At the request of the Town, sample containers may be tested and put through a series of rigorous real-world tests to simulate daily use. It will be at the discretion of the Town to the tests performed and a testing committee will review the performance of each container. Failure to pass all portions of the testing could result in disqualification of the bidder. Does the bidder accept the testing requirements stated in this bid?</p> <p>YES _____ NO _____</p>		

# Town of Old Orchard Beach

## Request for Proposal – Residential Curbside Collection Containers. - continued

### ***CONTAINER REQUIREMENTS***

The universal roll out containers must be compatible with standard American semi-automated bar-locking lifters (ANSI type B) as well as automated arm lifters (ANSI type G) and function as follows:

Description	Yes	No
<p><b>ANSI CONFORMANCE:</b> Containers proposed herein must meet the requirements of ANSI Z245.30 and ANSI Z245.60 standards for “Type B/G” containers.</p> <p>The bidder must submit independently certified copies of all ANSI test results with proposal. Test results must state load (in pounds) under which tests were conducted. The ANSI Appendix D test for “Loading and Unloading Test for Containers” must clearly state that the required 520 dump cycles under the container’s full rated load were performed on both a Semi-Automated Container Lifter and a Fully Automated Grabber Arm.</p>		
<p><b>INTERIOR CONSTRUCTION:</b> The interior surface must be smooth and free from crevices, recesses, projections, and other obstructions where material inside the containers could become trapped. The lower metal catch bar cannot be exposed to the interior of the container.</p>		
<p><b>SEMI-AUTOMATED LIFT SYSTEM:</b> Each container shall be equipped with an internal upper lifting skirt, which makes it compatible with standard American semi-automated bar-locking lifters. The lower metal bar of the 64 gallon containers must come pre-installed from the manufacturer, must be designed to withstand over ten (10) years of lifter attachment, and must be a 1” diameter galvanized free floating steel bar that isn’t exposed to the interior of the cart. Containers with bolted-on lower bars are NOT acceptable.</p>		
<p><b>FULLY AUTOMATED LIFT SYSTEM:</b> Each container shall be equipped with an exterior pattern of texture in the collection area that improves the friction between the lifter and the container in order to reduce the amount of containers falling into the hopper.</p>		
<p><b>ABRASION PROTECTION:</b> The containers must be designed with a double drag rail on the container bottom. The container base must be reinforced in the area that contacts the ground with a molded-in wear strip</p>		

# Town of Old Orchard Beach

## Request for Proposal – Residential Curbside Collection Containers. - continued

<p><b>RIM OF BODY:</b> The top of the container body shall be molded with a reinforced rim to add structural strength and stability to the container and to provide a flat surface for lid closure. This reinforced rim shall have a raised inner perimeter to serve as a barrier to escaping odors, intrusion of pests, and to prevent moisture from entering the container from under the edge of the lid. The rim of the container must not be designed to have an inward radius to obstruct free flow emptying of material out from the container.</p>		
<p><b>LID:</b> The lid shall be of one-piece construction; injection molded of high-density polyethylene resin (HDPE) and must be manufactured of the same material as used in the container body. The lid shall be configured to ensure that it will not warp, bend, slump, or distort to such an extent that it no longer fits the container properly or becomes otherwise unserviceable. The lid must be crowned in shape and designed to disallow entry of rain when in the closed position. The lid must open from a closed position through a full 270° arc and hang open without stressing the lid or container body. Living hinges and lid counterweights are unacceptable. The manufacturer may not attach lids to containers using metal hinges, brackets/bolts and/or screws, metal bars, PVC, plastic glued connections, or any hidden bars. Lid attachments must be constructed of weather resistant plastic only. Attachments must be easily installed during container assembly and uninstalled during container disassembly. Lid must be capable of being imprinted with a custom hot stamp or in-mold label technology. Lid attachment hinge must be no less than 1.25” in width.</p> <p>STATE LID HINGE ATTACHMENT WIDTH: _____ inches</p>		
<p><b>HANDLES:</b> Each container must be equipped with a handle that is a minimum of 1” diameter. The handle and handle mounts must be an integrally molded part of the container body. The handle shall be designed to always afford the user positive control of the loaded container; with proper use. The handle must not have the ability to rotate on its own axis at any time. Handles that are molded as part of the lid are unacceptable. Bolted-on handle mounts or bolted-on handles are unacceptable.</p>		
<p><b>AXLE:</b> The axle must be a minimum of 3/4” diameter, high strength steel fully supported by container body. Zinc chromate plated or powder coated equivalent for corrosion protection. Axle must slide through at least (2) two molded-in plastic journals in the container bottom and must not be exposed to contents inside of container. There must also be a minimum of (2) two half journals molded into the bottom of the container for the axle to slide through to ensure proper weight distribution of the contents of the container. Axles attached by means of bolts or rivets are unacceptable.</p>		
<p><b>EASE OF ASSEMBLY AND DISASSEMBLY:</b> The bidder must supply a container assembly instruction sheet with their response. The instruction sheet should include a list of container parts and a list of tools needed for assembly.</p>		



# Town of Old Orchard Beach

## Request for Proposal – Residential Curbside Collection Containers. - continued

<b>PARTS AVAILABILITY:</b> All bidders will supply a listing of replacement parts available for their model container.		
<b>COLOR:</b> Containers must be a distinctive color impregnated into the plastic. Painted universal recycling containers are unacceptable. The Town and chosen Contractor will mutually determine color(s).		

### CONTAINER SPECIFICATIONS – 64 GALLON

The container offered must be 64 gallons (+/-3%) and must comply with the following listed specifications:

Description	Yes	No
<p><b>LOAD RATING:</b> The 64 gallon container must be designed to regularly receive and dump the following pounds of recycled materials, excluding the weight of the container, without permanent damage or deformation. The load rating must conform to ANSI Standard Z245.30.</p> <p><b>64 gallon – minimum 227 pounds</b></p> <p>STATE LOAD RATING OF CONTAINER: _____ pounds</p>		
<p><b>MANEUVERABILITY:</b> To ensure that the proposed 64 gallon container is easily operated by the citizens of Town, the bidder must state the average tipping forces required to maneuver a fully loaded container when tilted to the roll position. The bidder must also submit documentation that conforms to ANSI Z-245.60 Force-to Tip testing that clearly defines the container’s maximum average tipping force. The results of this testing may not exceed a maximum average of 35 pounds. Any container that is judged as too difficult to tilt when loaded to maximum capacity of material will be disqualified.</p> <p>STATE MAXIMUM AVERAGE FORCE: _____ pounds</p>		
<p><b>RESIN WEIGHT:</b> The quoted container must be manufactured to achieve a minimum resin weight of the following:</p> <p><b>64 gallon – min 27 pounds</b></p> <p>STATE RESIN WEIGHT OF CONTAINER: _____ pounds</p>		

# Town of Old Orchard Beach

## Request for Proposal – Residential Curbside Collection Containers. - continued

<p><b>WALL THICKNESS:</b> The quoted container must have a nominal wall thickness of .175” throughout the body of the container and a minimum wall thickness of .185 inches in the critical wear points (i.e. container bottom, handle and lift mechanism). The minimum wall thickness of the lid must be .140 inches.</p> <p>STATE BODY WALL THICKNESS: _____ inches</p> <p>STATE CRITICAL WEAR POINT THICKNESS: _____ inches</p> <p>STATE LID WALL THICKNESS: _____ inches</p>		
<p><b>CAPACITY:</b> The total capacity of the container body, excluding the lid, must be a 64 gallons (+/- 3%). Bidder must include an independent test result according to ANSI Z245.30, Appendix A (Volume Test), certified by an accredited professional engineer, showing the exact capacity of the container body (to the nearest 0.1 U.S. gallon).</p> <p>STATE TOTAL CAPACITY: _____ gallons</p>		
<p><b>DIMENSIONS:</b> The minimum exterior dimensions of the completely assembled container are as follows:</p> <p>HEIGHT: 40.25 inches</p> <p>DEPTH : 28.00 inches</p> <p>WIDTH : 26.50 inches</p> <p>STATE HEIGHT: _____ inches</p> <p>STATE DEPTH: _____ inches</p> <p>STATE WIDTH: _____ inches</p>		
<p><b>WHEELS:</b></p> <p>Wheels shall be minimum 10” in diameter and 1.75” wide with knobby treads. Wheels must be extra high molecular weight polyethylene capable of supporting a minimum of 200 lbs. Wheels must be snap on style wheels. Wheels that require the use of pal nuts, washers or other means of connection will be considered unacceptable.</p>		
<p><b>NUMBER OF PARTS:</b> For ease of assembly and parts inventory, Town is requesting the bidder to state the number of separate parts that comprise each container to include but not limited to; lid, body, wheels, axle, catch bar, rivets, lid fastener components, etc. A maximum of 8 parts is required.</p> <p>STATE NUMBER OF SEPARATE PARTS: _____</p>		

# Town of Old Orchard Beach

## Request for Proposal – Residential Curbside Collection Containers. - continued

### MARKINGS

Each container must be permanently marked with letter/numbers, as follows:

Description	Yes	No
<p><b>SERIAL NUMBER BAR CODES:</b> Each container must have a bar code and associated serial number branded in white on the container. The barcode must be visible when carts are nested during shipment. The serial number/bar code shall be associated at the point of manufacturing and be associated with the corresponding RFID tag that will be in each lid.</p> <p>The serial number and barcode will be a VIN style identifier that will be used for future warranty submissions.</p> <p>The barcode will be used for the initial assembly and distribution as well as to assist in the efficient management of the roll out carts after they are distributed.</p> <p>Under the barcode the date of manufacture must clearly be displayed. Adhesive or sticker serial number bar codes are not acceptable for new production containers. The bidder will maintain an electronic file and database that will identify the date of manufacture by the serial number for warranty purposes in the future.</p> <p>The bar codes are mandatory and will be used for container distribution AND management after distribution.</p>		
<p><b>CONTAINER LOGO:</b> The Town logo shall be affixed by hot stamp onto both sides of the container body.</p>		
<p><b>USER INSTRUCTION:</b> Instructions for the safe use of the container must be molded into each lid. Instructions shall be approved by The Town.</p>		
<p><b>LOAD RATING:</b> The load rating of the container must be raised-relief molded into the lid. Load rating shall be stated in both pounds and kilograms.</p>		

# Town of Old Orchard Beach

## Request for Proposal – Residential Curbside Collection Containers. - continued

***SPECIFY DELIVERY TIMEFRAME***

Specify number of days order will be fulfilled after receipt of a purchase order: \_\_\_\_\_\*Days

*\*Carts with IMLs may take longer due to supply chain*

***Assembly & Distribution (A&D)***

Description	Specifications	Yes	No
Delivery Planning	The Contractor shall be responsible for coordinating the delivery of containers in field. Town shall supply a comprehensive address list no less than 4 weeks prior to container delivery start date. It is preferred that the Contractor shall have its own delivery personnel.		
	Contractor shall perform deliveries based off Town assigned routes, or mutually agreed upon route days		
	Contractor must use handhelds that can add any addresses that may have been excluded from the original delivery list in the field		
	Contractor must provide handhelds that have resolution codes for coding out exceptions to delivery		
	The resolution codes would include, but are not limited to vacant property, burned out structure, uninhabitable home, vacant lot.		
Data responsibility and delivery	The Contractor will be required to scan every container to assign it to an address during delivery. Information includes asset serial number, RFID number, asset size/type, address, latitude/longitude of delivery location. Manual written down serial numbers are NOT acceptable		
	Contractor must provide GPS coordinates (latitude and longitude) of each container at the point of delivery.		
	Contractor shall complete this task at all locations for each container in all conditions except as a result of extreme weather conditions or Acts of God.		
	Contractor will have the ability to migrate all open and closed request data into a Cloud-based asset management system for ongoing container management and reporting if needed.		

# Town of Old Orchard Beach

## Request for Proposal – Residential Curbside Collection Containers. - continued

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Automated reports and portal access	Contractor shall provide access to a cloud-based portal to see ongoing open and closed requests specifics		
	Contractor will provide access to daily closed request information		
	Contractor will utilize a cell-based handheld for container scanning for real-time updates on delivery completion.		
	Container delivery reports will be available on demand through web portal		
	Container Delivery open and completed requests will be displayed in a widget on the desktop users dashboard		

# Town of Old Orchard Beach

## Request for Proposal – Residential Curbside Collection Containers. - continued

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**TOWN OF OLD ORCHARD BEACH  
DEPARTMENT OF PUBLIC WORKS  
Proposal Response Form  
Residential Curbside Collection Containers**

The undersigned, as Proposer, declares as follows;

The only parties interested in this Proposal as principals are named herein.

1. This Proposal is made without collusion with any other person, firm or corporation.
2. No officer, agent, or employee of the Town of Old Orchard Beach is directly or indirectly involved in the Proposal.
3. The Proposer has carefully read and examined the specifications herein and knows and understands the terms and provisions.
4. The Town of Old Orchard Beach reserves the right to reject any and all proposals and to waive any informalities or irregularities in the Proposals received, and to accept any Proposal which is deemed most favorable to the Town at the time and under the conditions stipulated.

**PRICE PER ORDER OF up to 11,000 CARTS coordinated into 2 colors, by lids, according to function**

**11,000 64 gallon carts**                      \$ \_\_\_\_\_ per cart

**Total price**                                      \$ \_\_\_\_\_

**PROJECTED DELIVERY DATE** \_\_\_\_\_

Please attach a price list for all replacement parts.

# Town of Old Orchard Beach

## Request for Proposal – Residential Curbside Collection Containers. - continued

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**TOWN OF OLD ORCHARD BEACH  
DEPARTMENT OF PUBLIC WORKS  
Proposal Response Form  
Residential Curbside Collection Containers**

\_\_\_\_\_  
Proposing Manufacturer

\_\_\_\_\_  
Company Representative

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
City/State/Postal Code

\_\_\_\_\_  
City/Sate/Postal Code

\_\_\_\_\_  
Phone Number

\_\_\_\_\_  
Fax Number

Federal ID #: \_\_\_\_\_

Signature: \_\_\_\_\_

Print Name and Title: \_\_\_\_\_

Date: \_\_\_\_\_

Type of Organization (Individual D/B/A, Partnership, Corporation): \_\_\_\_\_

Note: Proposal must bear the handwritten signature of a duly authorized member or employee of the organization making the proposal. The Town of Old Orchard Beach reserves the right to accept or reject any and all bids or to negotiate with particular bidders following Proposal opening.