

RESOLUTION NO. \_\_\_\_\_

A RESOLUTION AUTHORIZING THE MAYOR TO APPLY FOR, AND IF AWARDED, ACCEPT A WASTE REDUCTION GRANT FROM THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) TO PURCHASE A REPLACEMENT COMPACTOR TO BE PLACED AT THE CITY'S RECYCLE CENTER AND TWELVE (12) ROLL OFF CONTAINERS TO BE USED AT CITY SITES FOR SINGLE STREAM RECYCLING WITH THE CITY'S MATCHING FUNDS, IN THE AMOUNT OF FORTY-FIVE THOUSAND DOLLARS (\$45,000.00), FOR AN AMOUNT NOT TO EXCEED NINETY THOUSAND DOLLARS (\$90,000.00).

---

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CHATTANOOGA, TENNESSEE, That the Mayor is hereby authorized to apply for, and if awarded, accept a Waste Reduction Grant from the Tennessee Department of Environment and Conservation (TDEC) to purchase a replacement compactor to be placed at the City's Recycle Center and twelve (12) roll off containers to be used at City sites for single stream recycling with the City's matching funds, in the amount of \$45,000.00, for an amount not to exceed \$90,000.00.

ADOPTED: \_\_\_\_\_, 2015

/mem

# City of Chattanooga



## Resolution/Ordinance Request Form

Date Prepared: 9/3/2015

Preparer: Jason Silvers *JS*

Department: Public Works

Brief Description of Purpose for Resolution/Ordinance:

Res./Ord. # \_\_\_\_\_

Council District # \_\_\_\_\_

A resolution to authorize the Mayor to apply for and, if awarded, accept a Waste Reduction Grant from the Tennessee Department of Environment and Conservation to purchase a replacement compactor to be placed at the City's recycle center and twelve (12) roll off containers to be used at City sites for single stream recycling with the City's matching funds in the amount of \$45,000.00 for an amount not to exceed \$90,000.00

Name of Vendor/Contractor/Grant, etc. \_\_\_\_\_

New Contract/Project? (Yes or No) \_\_\_\_\_

Total project cost \$ 90,000

Funds Budgeted? (YES or NO) Yes

Total City of Chattanooga Portion \$ 45,000

Provide Fund 6020

City Amount Funded \$ 45,000

Provide Cost Center K00901

New City Funding Required \$ 0

Proposed Funding Source if not budgeted \_\_\_\_\_

City's Match Percentage % 50%

Grant Period (if applicable) \_\_\_\_\_

List all other funding sources and amount for each contributor.

Amount(s)

Grantor(s)

\$ \_\_\_\_\_

\$ \_\_\_\_\_

\$ \_\_\_\_\_

Agency Grant Number \_\_\_\_\_

CFDA Number if known \_\_\_\_\_

Other comments: (Include contingency amount, contractor, and other information useful in preparing resolution)

Approved by: *Jason Silvers*

Reviewed by: FINANCE OFFICE

DESIGNATED OFFICIAL/ADMINISTRATOR

Please submit completed form to @budget, City Attorney and City Finance Officer

Revised: October, 2011

**Bakers Waste Equipment, Inc.**1808 Norwood St SW  
Lenoir NC 28645  
USA

BAKERS WASTE EQUIPMENT

**QUOTATION**

Amended

Quote No.: 19305  
Date: 08/19/15  
Valid Until: 09/19/15  
Customer No.: C01234  
Customer Ref. No.:  
Page No.: Page 1 of 3

BILL TO
<b>City of Chattanooga</b> 101 E 11th Street/ Ste 101 Attn: Accounts Payable Chattanooga TN 37402 USA

SHIP TO
<b>City of Chattanooga - Paul F Clark B</b> Address TBD Chattanooga TN 37403 USA

TOTAL
<b>\$ 23,349.00</b>

Sales Employee: Mike Wall  
Contact Name: Jason Silvers  
Terms: N30Ship Via:  
FOB:

Item No.	Description	Unit Price	Quantity	Total
S-300	Stationary 3 yd Compactor	\$ 13,394.00	1.000	\$ 13,394.00

BWE Pinnacle S-300 Stationary Compactor includes:

- Remote power unit w/208-230-460V 3 Ph motor
- Key Lock push button controls
- 80%-100% Warning Light
- SC Guide-60" with large stops
- AD15-5-3R Phase Converter (1ph to 3ph)

No Load Options - Add Hold to Run

**DIMENSIONS**

168" L X 48" H X 66" W

**SPECIFICATIONS**

- Mfg Rating – 3.00 cu yd
- NSWMA Equivalent – 2.31 cu yd
- Clear Top Opening 60" W x 61" L
- Loading Height – 48" standard
- Ram Face – 29" x 60"
- Discharge Opening – 37" x 60"

**PERFORMANCE CHARACTERISTICS**

- Cycle Time – 60 Seconds
- Total Normal Force – 48,400 lbs
- Total Maximum Force – 59,000 lbs
- Ram Penetration – 14 Inches

**ELECTRICAL EQUIPMENT**

- Electrical Motor – 15 Horsepower
- Tri-voltage Starter – 208/230/460
- Electrical Control Voltage – 120 VAC
- UL Label Panel Box – NEMA 13

**Bakers Waste Equipment, Inc.**1808 Norwood St SW  
Lenoir NC 28645  
USA**QUOTATION**

Amended

Quote No.: 19305  
 Date: 08/19/15  
 Valid Until: 09/19/15  
 Customer No.: C01234  
 Customer Ref. No.:  
 Page No.: Page 2 of 3

Item No.	Description	Unit Price	Quantity	Total
	<ul style="list-style-type: none"> <li>•All Circuits Fused</li> <li>•Standard Control – Key Operated Switch</li> <li>•Remote Pendant Option: Start, Stop and Reverse</li> </ul>			
	<b>HYDRAULIC EQUIPMENT</b> <ul style="list-style-type: none"> <li>•Hydraulic Pump Capacity – 15 GPM</li> <li>•Normal Pressure – 1700 PSI</li> <li>•Maximum Pressure – 2100 PSI</li> <li>•Cylinder – 6" bore x 78" stroke x 4" rod</li> </ul>			
	* UL List Control Panel			

<b>CC42R</b>	<b>42 cu yd Rectangular Receiver</b>	\$ 7,995.00	1.000	\$ 7,995.00
<b>SV-100</b>	<b>Compactor Installation</b>	\$ 1,336.00	1.000	\$ 1,336.00

**BWE COMPACTOR DISCLAIMER**

Customer responsible for off loading equipment

Customer will provide a clean, level, concrete pad to spec's for compactors.

Customer responsible for supplying the service disconnect

Electronic Disconnect box must be ready ("hot") for installation and in line of sight plus have the proper "rated amp fuses" in the box.

Customer will be responsible for moving equipment into place for final securing to pad.

If existing equipment is to be replaced, it is the customer responsibility to remove the old equipment from the pad before the installation of the new equipment begins.

Customer will be responsible for extra labor / service calls due to the site not being ready upon scheduled installation.

Compactors are quoted standard with a tri-volt (208/230/460V), 3ph motor

Prices may vary based on single phase or non standard voltage applications

Customer Responsible for Unloading All Equipment When Delivered

**Order Terms and Conditions**

Order Confirmation – quotes are confirmed into orders based on customer verbal approval or written confirmation. ALL INFORMATION CONTAINED IN THE CONFIRMED QUOTE TO ORDER, UNLESS OTHERWISE CHANGED OR NOTED BY THE CUSTOMER PRIOR TO ORDER PROCESSING, WILL BE CONSIDERED CORRECT AND ACCURATE. Purchase Order numbers are recommended and preferred. The quoted product item, price, quantity, and specifications are also acknowledged at the time the order is confirmed.

Prices will be subject to change based on any subsequent alteration to quantity, product design or specification, logistics, or delivery schedule.

Order Cancellations – cancelled or revised orders must be approved by BWE and will be subject to a restocking fee of 15% -

**Bakers Waste Equipment, Inc.**1808 Norwood St SW  
Lenoir NC 28645  
USA**QUOTATION**

Amended

Quote No.: 19305  
 Date: 08/19/15  
 Valid Until: 09/19/15  
 Customer No.: C01234  
 Customer Ref. No.:  
 Page No.: Page 3 of 3

Item No.	Description	Unit Price	Quantity	Total
	25% depending on the level of order completion.			

Payment Terms – method and payment terms are confirmed at time of order

Warranty – standard BWE warranty applies to all new products sold. Warranty date begins on the date the product is received and is only valid over time if the products have been paid for in full

Shipping Damages – any damages must be noted at the time of delivery to the freight company that delivers the product. Failure to do so may jeopardize any damage claim to repair, return, or replace the damaged product. Customer is responsible for offloading equipment and is liable for damages during offloading

Return Policy – products must have return authorization from BWE prior to them being returned. Items returned are subject to restocking fees of 25%. BWE reserves the sole right to waive any return or restocking fees

Prices Quoted Are Good For 30 Days From Date Of Quote.

Sales Tax Not Included in Total

Thank You For The Opportunity !

Mike Wall  
 BWE Western Regional Sales  
 333 - Seven Oaks Drive  
 Knoxville, TN 37922  
 (865) 388-2497 (cell)  
 (865) 531-0417 (fax)  
 mwall@bwe-nc.com

or

Carissa Orren  
 BWE Customer Service  
 (800) 221-4153 (Toll Free)  
 (828) 726-3001 (ext 304)  
 (828) 726-3010 (Fax)  
 corren@bwe-nc.com (Email)  
 www.bwe-nc.com (Website)

Subtotal	\$ 22,725.00
Shipping Tax	\$ 624.00
<b>Total</b>	<b>\$ 23,349.00</b>

Remarks: S-300: CC42R:  
 1 FTL  
 6-7 Weeks ARO

**Bakers Waste Equipment, Inc.**

1808 Norwood St SW

Lenoir NC 28645

USA

BAKERS WASTE EQUIPMENT

**QUOTATION**

Original

Quote No.: 19493  
 Date: 09/03/15  
 Valid Until: 10/03/15  
 Customer No.: C01234  
 Customer Ref. No.:  
 Page No.: Page 1 of 2

BILL TO
<b>City of Chattanooga</b> 101 E 11th Street/ Ste 101 Attn: Accounts Payable Chattanooga TN 37402 USA

SHIP TO
<b>City of Chattanooga - Paul F Clark B</b> 900 East 11th St 423-757-5066/423-757-5370 Chattanooga TN 37403 USA

TOTAL
<b>\$ 42,677.00</b>

**Sales Employee:** Mike Wall  
**Contact Name:** Jason Silvers  
**Terms:** N30

**Ship Via:**  
**FOB:**

Item No.	Description	Unit Price	Quantity	Total
ROT-40-22 (90)	Roll Off Tub 40 cu yd (84" sides)*	\$ 5,715.00	7.000	\$ 40,005.00

Roll Off Tub Container Body w/ Roof w/ Doors

Capacity: Approx 40yd  
 Roof Style: 3" rise  
 Doors / Openings per side: 3 Plastic Sliding Doors Per Side  
 Hinged Dividers: NONE  
 Load Height (distance from Ground to Bottom of Opening): Approx 60"

We Appreciate Your Interest In BWE Products, And For This Opportunity To Do Business,

Carissa Orren  
 BWE Inside Sales  
 (800) 221-4153 (Toll Free)  
 (828) 726-3001 (ext 304)  
 (828) 726-3010 (Fax)  
 corren@bwe-nc.com (Email)  
 www.bwe-nc.com (Website)

\*Lead Time: Approx (6-7 ) Weeks After Receipt Of Order - Subject To Change At Time Of Order

\*Prices Quoted Are Good For 30 Days From The Date Of The Quote

\*Sales Tax Will Be Applied Unless BWE Has A Tax Exempt Certificate On File

\*Customer Is Responsible And Liable For Offloading Equipment Upon Delivery Unless Alternate Methods Have Been Arranged Prior To Delivery

Order Terms and Conditions:

Order Confirmation – quotes are confirmed into orders based on customer verbal or written confirmation.  
 ALL INFORMATION CONTAINED IN A CONFIRMED QUOTE WILL BE CONSIDERED CORRECT AND ACCURATE AT THE TIME OF THE ORDER

Purchase Orders are recommended and preferred to confirm an order. The quoted product item, price, quantity, and specifications are also acknowledged at the time the order is confirmed.

**Bakers Waste Equipment, Inc.**1808 Norwood St SW  
Lenoir NC 28645  
USA**QUOTATION**

Original

Quote No.: 19493  
 Date: 09/03/15  
 Valid Until: 10/03/15  
 Customer No.: C01234  
 Customer Ref. No.:  
 Page No.: Page 2 of 2

Item No.	Description	Unit Price	Quantity	Total
----------	-------------	------------	----------	-------

Prices will be subject to change based on any subsequent alteration to quantity, product design or specification, logistics, or delivery schedule.

Order Cancellations – cancelled or revised orders must be approved by BWE and may be subject to a change order fee of 25% if the order is already in production

Payment Terms – method and payment terms are confirmed at time of order. New accounts will be subject to a deposit, prepayment, and / or COD payment terms until a credit application can be processed for payment term options

Warranty – standard BWE warranty applies to all new products sold. Warranty date begins on the date the product is received and is only valid if the products have been received, and paid for in full

Shipping Damages – any damages must be noted at the time of delivery to the freight company that delivers the product. Failure to do so may jeopardize any damage claim to repair, return, or replace the damaged product. Customer is responsible for offloading equipment and is liable for damages during offloading unless arranged otherwise

Return Policy – products must have return authorization from BWE prior to them being returned. Items returned are subject to restocking fees of 25%. BWE reserves the sole right to waive any return or restocking fees

Subtotal	\$ 40,005.00
Shipping	\$ 2,672.00
Tax	
<b>Total</b>	<b>\$ 42,677.00</b>

Remarks: 7)ROT-40-22w/3"rise  
 3.5 Truckloads  
 3 FTL's at \$624  
 1 LTL at \$800



# **Additional Sheet**

## **Waste Reduction Grant**

### **City of Chattanooga**

#### **I. Establishment of Priority**

3. For objective 2 of the 2015-2025 Solid Waste and Material Management Plan, the roll off containers will be placed in strategic locations throughout the City of Chattanooga to increase overall total tonnage collected and to deter contamination. The replacement compactor will allow the City to continue to collect corrugated cardboard from its residents and applicable participants. The City currently receives revenue from its roll off containers containing recyclable material.

#### **II. Project Description and Regional Planning**

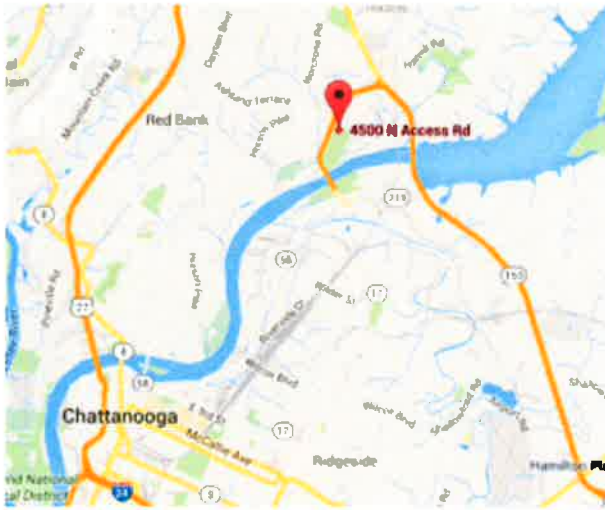
1. The City of Chattanooga will place 12 roll off containers in strategic high traffic areas that will collect single stream recyclables. Once full, the containers will be transported to the material recovery facility, weighed, and unloaded. Total tonnage will go to the City's overall landfill diversion. The compactor will be used as a replacement at 1 of the City's already 5 permanent recycle convenience centers where it will be used for the collection and summarily compaction of corrugated cardboard. The City currently collects approximately 38 tons from all of its sites for cardboard alone. Both the roll off containers and the compactor will enable Chattanooga to continue to strive for increase overall tonnage, landfill diversion, and decreased contamination.
2. The 12 sites for the roll off containers have been picked because of strategic value as they are in high traffic areas where a permanent location already exists deterring any additional costs. The equipment will be placed at the designated sites within 4 months of the City receiving the fully executed grant if awarded. The sites will be operational, with minimal supervision, and will be able to receive material once the containers have been placed and signs have been created, approximately one month. The compactor will replace the existing equipment already located within the permanent site and will be fully operational once installed by the manufacturer / winner of bid. The City of Chattanooga projects small growth at the 12 sites within the first 6 months until word of mouth and advertisements attract participants. As the containers will collect all types of recycling, the City expects continual marked growth for each of the subsequent years. Additionally, as the containers will not be separated by type, the City expects that each of the containers will have to be dumped at the MRF at a higher rate of current roll offs.

#### **Timeline**

- March 1<sup>st</sup>, 2016 – Bids are sent out by Chattanooga Purchasing
- May 1<sup>st</sup>, 2016 – Bids received; winner selected
- June 1<sup>st</sup>, 2016 – Equipment is delivered / installed
- June 30<sup>th</sup>, 2016 – Sites open to public

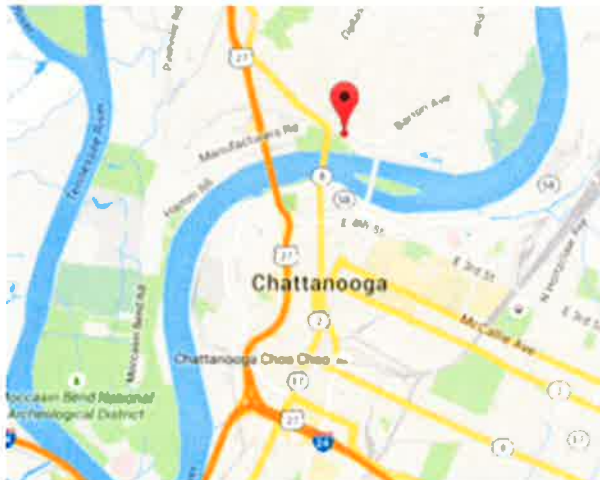


3. The roll off containers will be at sites that previously did not have recycle material collection services available. The areas include locations at a high traffic park, Wood Recycle Center, and refuse collection centers. The City of Chattanooga currently has over 22,000 households signed up for its bi-weekly curbside recycling program. The City averages over 8,400 participants, within the last 6 months, at its recycle convenience centers. While the number of households who participate in the curbside program is growing on average by 70 households per week, the overall participants who utilize the convenience centers has been decreasing steadily albeit at a small rate. With these additional containers, the City expects to curb the downward trajectory.
4. The replacement contractor will be installed at 4500 N Access Rd, Chattanooga, Tennessee 37415.



The roll off containers will be located at the following locations:

150 River St, Chattanooga, Tennessee 37405.



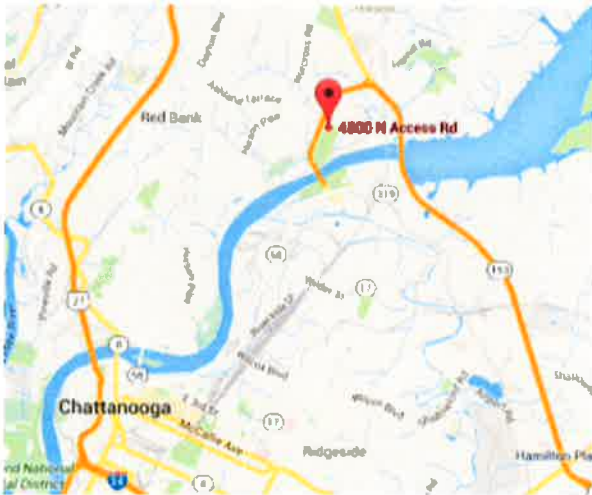
3925 N Hawthorne St, Chattanooga, Tennessee 37406.



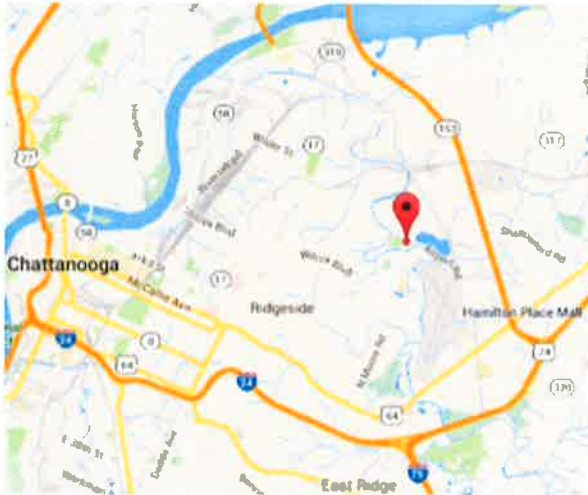
1400 West 57<sup>th</sup> St, Chattanooga, Tennessee 37409.



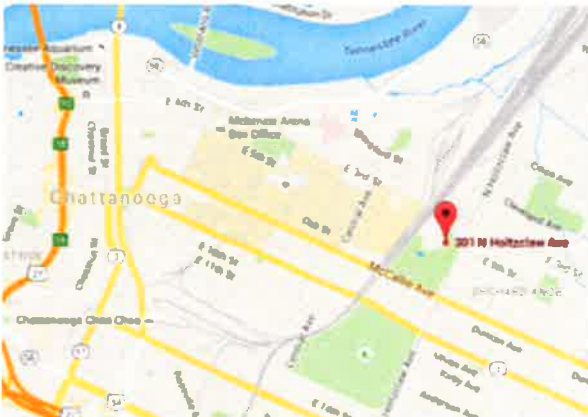
4500 N Access Rd, Chattanooga, Tennessee 37405



4276 Airport Rd, Chattanooga, Tennessee 37411



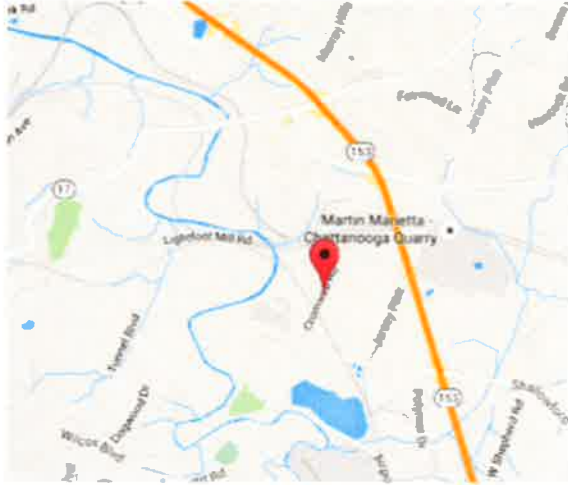
301 N Holtzclaw Ave, Chattanooga, Tennessee 37404



1100 Lupton Dr, Chattanooga, Tennessee 37415



3940 Camellia Dr, Chattanooga, Tennessee 37421



3211 Belle Arbor Ave, Chattanooga, Tennessee 37406



3102 Elmendorf Street, Chattanooga, Tennessee 37406



5401 School Dr, Chattanooga, Tennessee 37343



4900 La Collina Way, Ooltewah, Tennessee 37363



5. The addition of the 12 roll off single stream containers will increase overall recycling tonnage and landfill diversion which supports the City's solid waste management plan. The new compactor will have zero integration issues within the existing convenience center as it is a replacement. The 12 roll offs will be stationed at high traffic areas collecting non-recyclable materials on site.

### **III. Materials Management and Diversion**

1. The City of Chattanooga currently collects the following acceptable recyclable materials: aluminum, corrugated cardboard, glass, HPDE, mixed paper, newspaper, PET, and steel.

<b>Material (Tons)</b>	<b>TOTAL</b>
Aluminum-Recycle Center	17.1
Corrugated Cardboard-Recycle Center	487.1
Glass-Recycle Center	428.2

HDPE-Recycle Center	38.3
Mixed Paper-Recycle Center	597.6
Newspaper-Recycle Center	288.1
PET-Recycle Center	54.5
Steel Cans-Recycle Center	25.7

The City estimates that approximately one third of its citizens recycles via its bi-weekly curbside collection though it does not have a concrete number for material generated to calculate a capture rate as there have not been any audits pertaining to type of material that is utilized.

2. The replacement compactor will be used for corrugated cardboard only while the roll off containers will be for the following acceptable recyclable materials: aluminum, corrugated cardboard, glass, HPDE, mixed paper, newspaper, PET, and steel. Increased containers within City limits that do not deter mixed recyclables will increase overall tonnage. Attendees will be on site to assist and educate participants in addition to decreasing food and other contaminants from being dumped. The City estimates that these roll off containers will bring in an additional 300 tons annually.
3. Materials will be collected in one of the 12 roll off containers or in the cardboard compactor where it will be transported by a contractor who will in turn take it to the company who had previously won the monthly bid for that specific commodity. This sale will generate income directly back to the City. All materials collected will be diverted from a landfill, excluding smaller pieces of glass, as they will be taken directly to a company who bid specifically for that material and has an outlet of selling said material. The City's Recycling Coordinator ensures that the highest price bid's company will take possession of City's collected material for a specific duration of time to maximize competitive pricing. The current contamination rate for all curbside recyclables collected is on average 4.7%, last 12 months which can be used as a base line for roll off containers who accept the same materials in the same manner, single stream. There should be less than 1 percent of contamination for material collected in the compactor as it is strictly for cardboard and an attendant is always on site to ensure proper disposal.
4. In addition to the grant, the City of Chattanooga is providing recycle bins throughout all of its offices for its employees. Additionally, the City has delivered over 20,000 recycle containers to existing curbside participants. Lastly, the City will require all special events housed within its limits to provide recycling options. The City expects a marked 3,000 new households to sign up with the curbside program annually.

#### **IV Education Plan**

1. The City of Chattanooga's Recycling Coordinator attends community outreach and education programs to bring awareness of the City's growing landfill diversion programs to the public. The City also runs a Facebook and Twitter page with the most current news relating to recycling and highlights each of its programs and interacts with its followers. In addition to these measures,

the City has a director in Scenic Cities Beautiful who goes to schools, organizations, and additional community events to educate recycling as a whole.

2. The City will post news pertaining to recycling on a weekly or bi-weekly basis. The City also provides brochures detailing each of its landfill diversion programs. In addition, the Recycling Coordinator and Director of Scenic Cities Beautiful will attend community outreach programs that emphasize recycling for those participate in the program. New signage will be posted at the each of the 12 new roll off container sites that list what is and is not acceptable. There is not an additional cost to this program as attendees will already be in the area and will be trained to assist prospective participants. Lastly, the City will utilize truck wraps on its numerous fleet vehicles which will have a colorful image with a simple message about recycling. One proposal is to have one of each type of accepted material, in a supersize photo, placed inside a well-known Chattanooga location such as Coolidge Park. Another motif will have kid friendly drawings of monsters who want to 'eat' recyclable material as its mouth is placed strategically where the truck's hopper is fed.
3. The proposed project message is to increase acceptable recyclable tonnage while maintaining a high level of material quality with minimal contaminates. To simplify, 'Recycle Chattanooga' would be the main tag line and 'Know Before You Throw' to emphasize proper disposal would be the secondary message.
4. The City will continue to partner with Orange Grove who has been the City's MRF for almost 20 years and who will continue to employ developmentally disabled individuals at all of the City's refuse and recycle convenience centers.

#### **V. Project Sustainability**

1. Estimated grant budget will be \$90,000.00. Specifications listed on additional attachment.
2. The City of Chattanooga received over \$70,000.00 during its last fiscal year for recyclable material revenue collected at its existing 12 sites. The average revenue for single stream material by ton is \$5.00. With the projected 300 tons annually expected, the City will receive \$1,500.00 each year for single stream material collected at these additional locations. Pertaining to the replacement compactor, the City does not expect to receive additional funds as it is a replacement only and not a new site that would generate additional monies. The City expects to spend over \$87.00 per pull for the roll off containers. This set cost would offset the amount of money spent for the delivery of material via garbage trucks and the dump rate at the transfer station. No new costs for attendees or the opening of sites are expected as each roll off container will be placed at an existing high traffic site with attendees already in place.
3. The City will continue to fund transfer costs through property tax collected wherein not covered by a corresponding grant.
4. A maintenance plan for the replacement compactor will be created and maintained on site listing timeframe machine was working or was down and any repairs or maintenance. The newly



replaced equipment will be maintained on an as needed basis with quarterly inspections if warranted.

5. The Recycling Coordinator will monitor the data received for the newly installed roll off containers as well as the replacement compactor and will be the contact person for any mechanical issues with the winning company. The data will be evaluated as it is collected and compared with past figures to calculate the increased diversion the new equipment has had on the City's overall landfill diversion.

**Bakers Waste Equipment, Inc.**1808 Norwood St SW  
Lenoir NC 28645  
USA**QUOTATION**

Original

Quote No.: 19492  
Date: 09/03/15  
Valid Until: 10/03/15  
Customer No.: C01234  
Customer Ref. No.:  
Page No.: Page 1 of 2

BILL TO
<b>City of Chattanooga</b> 101 E 11th Street/ Ste 101 Attn: Accounts Payable Chattanooga TN 37402 USA

SHIP TO
<b>City of Chattanooga - Paul F Clark B</b> 900 East 11th St 423-757-5066/423-757-5370 Chattanooga TN 37403 USA

TOTAL
<b>\$ 32,949.00</b>

Sales Employee: Mike Wall  
Contact Name: Jason Silvers  
Terms: N30Ship Via: BWE Transport, LLC  
FOB:

Item No.	Description	Unit Price	Quantity	Total
ROR-20-22(42) (20)	Roll Off 20 cu yd Rect.*	\$ 5,117.00	5.000	\$ 25,585.00

Roll Off Container Body w/ Roof w/ Doors

Capacity:30 yd  
Container Size: 20 yd  
Roof Style: Octagon  
Doors / Openings per side: TBD  
Hinged Dividers: NONE  
Load Height (distance from Ground to Bottom of Opening): Approx 53"

ROR-20-22(42) (20)	Roll Off 20 cu yd Rect.*	\$ 5,492.00	1.000	\$ 5,492.00
--------------------	--------------------------	-------------	-------	-------------

Roll Off Container Body w/ Roof w/ Doors

Capacity:30 yd  
Container Size: 20 yd  
Roof Style: Octagon  
Doors / Openings per side: TBD  
Hinged Dividers: 1 Divider - 50%/50%  
Load Height (distance from Ground to Bottom of Opening): Approx 53"

We Appreciate Your Interest In BWE Products, And For This Opportunity To Do Business,

Mike Wall  
BWE Western Regional Sales  
333 - Seven Oaks Drive  
Knoxville, TN 37922  
(865) 388-2497 (cell)  
(865) 531-0417 (fax)  
mwall@bwe-nc.com

\*Lead Time: Approx (6-7) Weeks After Receipt Of Order - Subject To Change At Time Of Order

\*Prices Quoted Are Good For 30 Days From The Date Of The Quote

**Bakers Waste Equipment, Inc.**1808 Norwood St SW  
Lenoir NC 28645  
USA**QUOTATION**

Original

Quote No.: 19492  
 Date: 09/03/15  
 Valid Until: 10/03/15  
 Customer No.: C01234  
 Customer Ref. No.:  
 Page No.: Page 2 of 2

Item No.	Description	Unit Price	Quantity	Total
----------	-------------	------------	----------	-------

\*Sales Tax Will Be Applied Unless BWE Has A Tax Exempt Certificate On File

\*Customer Is Responsible And Liable For Offloading Equipment Upon Delivery Unless Alternate Methods Have Been Arranged Prior To Delivery

## Order Terms and Conditions:

Order Confirmation – quotes are confirmed into orders based on customer verbal or written confirmation.

ALL INFORMATION CONTAINED IN A CONFIRMED QUOTE WILL BE CONSIDERED CORRECT AND ACCURATE AT THE TIME OF THE ORDER

Purchase Orders are recommended and preferred to confirm an order. The quoted product item, price, quantity, and specifications are also acknowledged at the time the order is confirmed.

Prices will be subject to change based on any subsequent alteration to quantity, product design or specification, logistics, or delivery schedule.

Order Cancellations – cancelled or revised orders must be approved by BWE and may be subject to a change order fee of 25% if the order is already in production

Payment Terms – method and payment terms are confirmed at time of order. New accounts will be subject to a deposit, prepayment, and / or COD payment terms until a credit application can be processed for payment term options

Warranty – standard BWE warranty applies to all new products sold. Warranty date begins on the date the product is received and is only valid if the products have been received, and paid for in full

Shipping Damages – any damages must be noted at the time of delivery to the freight company that delivers the product. Failure to do so may jeopardize any damage claim to repair, return, or replace the damaged product. Customer is responsible for offloading equipment and is liable for damages during offloading unless arranged otherwise

Return Policy – products must have return authorization from BWE prior to them being returned. Items returned are subject to restocking fees of 25%. BWE reserves the sole right to waive any return or restocking fees

Subtotal \$ 31,077.00

Shipping \$ 1,872.00

Tax

**Total \$ 32,949.00**

**Remarks:** 2)ROR-20-2 +Octagon Roof  
 3 FTL's at \$624  
 Lead Time 6-7 weeks ARO



STATE OF TENNESSEE  
 DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
 Division of Solid Waste Management  
 312 Rosa L. Parks Avenue, 14<sup>th</sup> Floor  
 Nashville, TN 37243

**GRANT APPLICATION**

RECYCLING EQUIPMENT     USED OIL     WASTE REDUCTION     OTHER \_\_\_\_\_

Return Application to Above Address

APPLICANT INFORMATION:

Name of Agency/Organization:

City of Chattanooga

Address:

900 E 14th St

Chattanooga, TN 37403

Name and telephone number of person responsible for all grant activities (i.e. bidding, purchasing):

Name:

Jawn Silver

Telephone:

(423) 643-6845

Fax Number:

(423) 643-6876

FEIN#:

TYPE OF ORGANIZATION:

- County
- Municipality
- Solid Waste Authority
- Planning Region
- For-Profit Organization
- Corporation
- Proprietorship
- Partnership
- Not-for-Profit Organization
- Other (please specify) \_\_\_\_\_

FOR NON PROFIT ORGANIZATIONS:

Chartered in Tennessee Yes [ ] No [ ]

Date of Charter: \_\_\_\_\_

IRS Classification: \_\_\_\_\_

Attach a copy of approval letter for charter or

501(c) (3) exemption.

To the best of my knowledge and belief, all data in this application are true and correct. The document has been duly authorized by the governing body of the applicant.

\_\_\_\_\_  
 Print or Type Name of Authorized Representative

\_\_\_\_\_  
 Title

\_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Date

Telephone: \_\_\_\_\_

\_\_\_\_\_  
 E-Mail Address (required if available)

**Attachment 1  
Technical Narrative  
Waste Reduction Grant Applications**

**I. Establishment of Priority – 10 points**

1. Does the recycling program employ developmentally disabled individuals as defined in T.C.A. §33-1-101(10)?  
Yes  No  if no, go to Question 2.

- City of Chattanooga has a contract with Orange Grove, who employs developmentally disabled individuals, at its sister MRF
- If the answer to question 1 is yes, how many developmentally disabled individuals are employed in your recycling program? *Approximately 10 at the recycle center and 30 at the MRF*
- How many hours a week does each developmentally disabled individual work? *20-25 on average*
- Summarize key duties for the developmentally disabled employees listed above in the recycling operation?  
*Employee duties include sorting and picking materials in the correct location, site cleanup and customer service*

2. Is this proposal for recycling equipment to be used in a public/private partnership?  
Yes  No

- Describe the details of the partnership and roles of each participant.

*Not applicable*

3. Does the proposed program support the 2015-2025 Solid Waste and Material Management Plan's Objectives?  
Yes  No  Please explain in detail which Objectives the proposed facility and equipment support and how.

4. List all equipment requested, in priority order, and give the estimated cost and quantity of each.

	Requested equipment in order of priority	Quantity	Estimated Unit Cost	Total
1	<i>Compactor</i>	<i>1</i>	<i>\$ 23,349.00</i>	<i>\$ 23,349.00</i>
2	<i>Roll off 20 cu yd Red</i>	<i>5</i>	<i>\$ 5,117.00</i>	<i>\$ 25,585.00</i>
3	<i>Roll off 40 cu yd</i>	<i>7</i>	<i>\$ 5,715.00</i>	<i>\$ 40,005.00</i>
4				
5				
Total Estimated Equipment Cost				<i>\$ 88,939.00</i>
Less Local Matching Share <i>50</i> %				<i>\$ 44,469.50</i>
Maximum Grant				<i>\$ 44,469.50</i>
Additional Local Share				<i>\$ N/A</i>

**II. Project Description and Regional Planning – 25 points**

1. Describe the proposed project, including its goals and objectives. What criteria and methods will be used for measuring and determining the success towards accomplishing the goals and objectives?

2. Describe the activities planned to accomplish the goals and objectives. Provide anticipated project plan timeline (e.g. activity occurs in months 1-3, months 4-6, year 1, year 2, etc.). This timeline will be used to develop Scopes of Services of successful projects. It is critical to develop a realistic timeline taking into consideration the amount of time needed to bid, select, order, and install the equipment and the facility. Grant timelines and scopes cannot be amended once executed. Failure to meet established milestones or deadlines may impact funding and reimbursement.

*See attached sheet*



3. Will the project provide a service that is currently not available in the area or expand participation/access in an existing program? What area and population will the project serve? How many households or customers do you currently serve and what is the estimate for the next five years of operations?

*See attached sheet*

4. What is the physical address where the facility and/or each piece of equipment will be located and operated? If the equipment is mobile and used in the field, please identify the primary location where the equipment will be operated. If equipment requested is to be used for collection of materials, provide a map of proposed locations within the Region.

*See attached sheet*

5. Explain how this waste reduction equipment and/or facility implements the relative parts of the Region's municipal solid waste plan and updates to the solid waste plan (Annual Progress Report). Describe how this equipment and/or facility integrate with existing infrastructure and systems within the Region.

*See attached sheet*

### III. Materials Management and Diversion – 25 points

1. Identify materials currently being managed by the Region. How many tons of materials by type were collected in 2014? What are the material sources? Estimate capture rates for each material managed by the Region.

*See attached sheet*

2. List materials to be managed with the requested equipment and facility. How will the proposed equipment or facility be used to increase tonnages, improve capture rates, increase capacity, or decrease the amount of residual (landfilled) for the next five years for all materials?

*See attached sheet*

3. Describe your operation plan in detail. How will material(s) be collected, transported, or processed (i.e. baled, compacted, ground for volume reduction)? Describe how the collected materials will be recycled, diverted from Class I solid waste disposal facilities, or beneficially used. What is your business plan for the use or sale of processed or collected commodities? Describe marketing strategies and estimate the amount of material that is not marketable (residual) rate.

*See attached sheet*

4. What new efforts, in addition to this proposed grant project, are planned to increase the amount of materials collected? Please provide a detailed timetable for the next 5 years with planned activities to achieve the 25% waste reduction and diversion goal.

*See attached sheet*

### IV. Education Plan – 25 points

1. Describe the goals of your public education and/or promotion plan for the waste reduction and recycling program.

*See attached sheet*

2. Describe the project's education plan, timeline for meeting milestones, and target audience. Include media to be used, education and promotion message, frequency of message, and how the target audience will be informed about proper participation. Include budget or estimated cost for each milestone or provide a budgeted amount for each person served.

*See attached sheet*

3. Describe proposed project's message.

*See attached sheet*

4. Identify any partners who will be participating, and what each partner will contribute to the education plan.

*See attached sheet*

**IV. Project Sustainability – 25 points**

1. Prepare a grant budget and line item detail. Provide price quotes and specification sheets, including recycled content when available, for all equipment requests. Attach supplemental documents or tables, if necessary.  
*See attached sheet*
2. Describe cost and program efficiencies realized by project implementation (e.g. return on investments, savings in manpower, cost avoidance, fuel, contractor and transportation cost, etc.).  
*See attached sheet*
3. Describe your plan for funding the continuation of the program or funding those costs not fully funded by the grant.  
*See attached sheet*
4. Applicants requesting funding for facility improvements and equipment purchases should establish a maintenance plan and a capital improvement fund to replace the equipment at the end of its useful life. Describe your plan and schedule for maintenance of the facility and equipment and for establishing a capital improvement fund for maintenance, repair, or replacement of the equipment and facility. If the requested equipment is to replace existing equipment, provide a copy of the maintenance schedule.  
*See attached sheet*
5. What is the plan for evaluating the implementation and outcome of the proposed project and who is the person responsible for performing the evaluation?  
*See attached sheet*

Narrative Prepared by: Jason Silver

Name of Preparer's Organization: City of Chattanooga Public Works Department

Telephone: (423) 643-6245

E-mail address: jsilver@chattanooga.gov