



Town of New Castle **Planning and Code**
450 W. Main Street **Administration Department**
PO Box 90 **Phone:** (970) 984-2311
New Castle, CO 81647 **Fax:** (970) 984-2716

Memo

To: Tom Baker
From: Tim Cain
Date: March 28, 2013
RE: Waste & Recycling RFP

The Town of New Castle received two responses to the requests for Proposal (RFP) to provide waste and recycling services for residential customers. They are Waste Management (WM) and Mountain Roll-Offs, Inc (MRI).

The purpose of this memo is to: describe the procedural outline for interviews, suggest interview questions, discuss the criteria for selection and provide a scoring matrix using the criteria. In addition, staff seeks direction from council after the interviews have been conducted.

Procedural Outline:

I Introduction:

Allow for representatives from Waste Management and Mountain Roll-Offs, Inc. to introduce themselves. Town Administrator to discuss the process of contractor selection.

II Conduct Interview with Waste Management

- Contractor to present their proposal (20 minutes)
- Questions and Answers (15 minutes)
- Debrief (15 minutes) – Council discussion

III Conduct Interview with Mountain Roll-Offs

- Contractor to present their proposal (20 minutes)
- Questions and Answers (15 minutes)
- Debrief (15 minutes) – Council discussion

IV Discussion regarding staff direction

In order to provide equal treatment and consistency, council may consider the following questions and open-ended inquiries:

1. Describe what products residents can recycle and what they can't recycle. How will this information be communicated to the Town and to its constituents?
2. Describe the pros and cons of single stream VS dual stream recycling? Why do you prefer one or the other?
3. What is your process for handling customer inquiries and complaints? At all times, are customer inquiries and complaints handled locally without the need for out-of-region call centers?
4. Describe how your company will be proactive when initiating educational outreach programs for the residents of New Castle.
5. Discuss your fuel surcharge policy.
6. Discuss other fees that are not a part of the monthly base rate. Are there fees not listed in your response to the RFP?
7. What is your current level of insurance? Discuss liability insurance rates.
8. What other like-size municipalities do you provide weekly or bi-weekly residential waste and recycling services?
9. Describe your services and success stories with "Pay-As-You-Throw" waste and recycling.
10. Are you able to lock in a price point on the yearly percentage increase in the rates that you will charge the Town and its residents? Describe why or why not.

When considering WM and MRI responses to the RFP criteria may include, but is not limited to:

- 1) Quality and convenience of service: single VS dual stream
- 2) Educating the community on reuse and recycling
- 3) Cost of services: billing practices, fuel surcharge, environmental/other fees
- 4) Handling customer service inquiries and complaints
- 5) Other considerations that increase the value of the selected contractor services: transparent diversion report (see attachments: Pitkin County "Final destinations on products" and "Vail Daily column: What happens to my recycling")
- 6) Quarterly reports
- 7) Prior successful contractor service performance similar to scale (like-size town)

Exhibits attached to this memo are:

- A. Waste and Recycling Cost Comparison Chart
- B. Response to RFP Scoring Matrix
- C. Final destination on products
- D. What happens to my recycling?
- E. Request for Proposals: Municipal Trash and Recyclables Collection
- F. Mountain Roll-Offs, Inc. response to RFP
- G. Waste Management response to RFP

Waste and Recycling Cost Comparison Chart

WM	MRI
<p>Option # 1 – 96 gallon green-lidded toter for trash with pick-up weekly and 96 gallon yellow-lidded toter for recyclables with pick-up every other week</p> <p>monthly rate - \$15.61</p> <p>Senior monthly rate - \$12.15</p> <p>If residents require additional 96 gallon toter for trash - \$12.49 extra each month</p> <p>Option #2 –</p> <ul style="list-style-type: none"> 96 gallon green-lidded toter for trash with pick-up weekly and 96 gallon yellow-lidded toter for recyclables with pick-up every other week – monthly rate - \$20.24 64 gallon green-lidded toter for trash with pick-up weekly and 96 gallon yellow-lidded toter for recyclables with pick-up every other week – monthly rate - \$15.18 – Senior rate - \$12.90 32 gallon green lidded toter for trash with pick-up weekly and 96 gallon yellow-lidded toter for recyclables with pick-up every other week – monthly rate - \$11.39 – Senior rate \$9.68 Single stream recycling <p>Other services:</p> <ul style="list-style-type: none"> One annual electronic waste collection event in conjunction with Town annual clean-up; pay per item for participants at no charge to the Town Town cleanup week – 40 yard container - Free (\$234.00) 5 yard container – bio cake pick-up - \$125.00 	<p>Options for trash containers:</p> <ol style="list-style-type: none"> 32 gallon cart for trash with trash and recyclables picked up weekly – monthly rate - \$9.78 64 gallon cart for trash with trash and recyclables picked up weekly – monthly rate - \$10.78 96 gallon cart for trash with trash and recyclables picked up weekly – monthly rate - \$12.78 <p>Recycling services:</p> <ul style="list-style-type: none"> 1 – 18 blue recycle bin for comingle (plastics, glass, aluminum and tin) included in monthly rate 1 – 18 yellow recycle bin for paper products (newspapers, office paper, magazines, catalogues, phone books, paperboard and cardboard) included in monthly rate Dual stream recycling <p>Other services:</p> <ul style="list-style-type: none"> Special Wednesday pick-up for appliances, furniture, tires, car batteries, motor oil with appointment - Free Recyclable centralized collection with curbside pick-up – Free (Town responsible for monitoring at Town owned site)

<ul style="list-style-type: none"> • 2 yard container – Town facilities - \$90.20 per month • 3 yard container – Town facilities - \$100.80 per month • 4 yard container – Town facilities - \$116.80 per month • 6 yard container – Town facilities - \$143.30 per month • 6 porta-potties – parks, cemetery, etc. - \$525.00 per month • Lease & service 2 porta-potties seasonally - \$95.50 month • Cleaning 2 concrete vault toilets, pumping as needed - \$191.00 per month • Collection of bulk and hard to dispose of items on an appointment basis • Recyclables include plastics #1 - #7, glass bottles, jars, aluminum, tin, newsprint, magazines, catalogs, copy & note paper, tetra and aseptic (carton packaging used in fruit drinks, iced tea, meal replacements, boxed and bagged wine containers, and non-refrigerated dairy drinks packaging included in monthly rate 	<ul style="list-style-type: none"> • Recyclable centralized collection instead of curbside pick-up - \$4.00 per month (Town responsible for monitoring at Town owned site) • 40 yard container – bi-annual clean-up – Free hauling at cost • 5/6 yard container – bio cake pick-up - \$100 per dump • 2 yard container – weekly pick-up - \$35.00 per month • 3 yard container – weekly pick-up - \$45.00 per month • 4 yard container – weekly pick-up - \$88.00 per month • 6 yard container – weekly pick-up - \$128.00 per month • 6 porta-potties – cleaning weekly - \$85.00 each per month • Lease and service 2 porta-potties - \$85.00 each per month • Cleaning 2 owned concrete vault toilets weekly - \$75.00 each per month (pumping on call - \$50.00 each) • Electronic waste curbside pick-up - \$.50 per month plus individual costs depending on type (TV's, computer monitors, laser printers, etc.) Other items at no charge for disposal such as cell phones, microwaves, etc.)
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Exhibit B

Response to RFP Scoring Matrix

Rank each category from 1=excellent to 5=poor

	WM	MRI
Quality and convenience of service
Single VS dual recycling
Educating the community on reuse and recycling
Cost of monthly base rate services
Fuel surcharge
Other fees above monthly base rate services
Other service fees - Town clean-up, portapotties and septic, town containers
Handling customer inquiries and complaints
Other considerations that increase the value of the contractor
Quarterly reports
Prior successful contractor service performance
"Pay-As You-Throw"
Total

Exhibit C

Attached is our 2012 price list.

Final destinations on products:

- Aluminum: - Anheuser Busch - Muscle Shoals, AL
- Steel Cans: - Tube City Mill – Granite City, IL
- Glass: - Rocky Mountain Bottle Company – Wheat Ridge, CO
- Plastics #1: - Conti Group – Long Beach, CA
- Plastics #2: - Conti Group – Long Beach, CA
- Plastics #3-7: - Conti Group – Long Beach, CA
- Cardboard - Republic paper – Lawton, Ok
- Office Pack – Georgia Pacific - Muskogee, OK
- Newspaper – Catalyst Paper – Snowflake, AZ

Definition of mixed paper: Newspaper and Office paper mixed together with both materials have 10% or greater total material.

If you have any questions for the landfill you can call or email me.

Thanks,

Rich Ludwig
Compliance and Outreach Coordinator
Pitkin County Resource Recovery
970-429-2884
Richard.Ludwig@co.pitkin.co.us

Vail Daily column: What happens to my recycling?

Items are processed at the Materials Recovery Facility in Wolcott

MARCH, 9 2011

JOSEPH WALLS

ASK WASTE WATCHERS

VAIL, CO COLORADO

What actually happens to all of the glass, paper, cardboard, plastic and cans that I am recycling? – Kelly in Wolcott

Thanks for asking, Kelly. You may find the answer very interesting. The more that Eagle County residents know about what becomes of the materials they recycle, the more likely they are to actively participate in recycling. If your area receives curbside recycling from Vail Honeywagon or if you are taking your recyclable materials to one of the seven drop-off centers around Eagle County, then the items are processed at the Materials Recovery Facility in Wolcott. The facility has 10 employees and has been in operation for a little over a year.

Below you will find a list of the most commonly recycled materials and what actually happens to them as of the writing of this article:

Glass: The glass that the facility receives is sent to the Rocky Mountain Bottling Company in Wheat Ridge, where it is processed and made into new bottles for the Coors Brewing Company.

Plastics: No. 1 or No. 2 plastic (see triangle with number in it on bottom of bottle) containers are transported to a broker in California called the Conti Group, which sells the plastic to mills in the Midwest that manufacture new plastic items. Recycled plastic is often made into carpet, polyester fleece, plastic pipe and motor oil containers.

Tin and steel: Tin and steel cans are sent to the Tuba City IMS mill in Granite City, Ill., to be made into aftermarket car parts and other metal materials.

Cardboard: Recycled cardboard is bundled and shipped to the International Paper mill in Valliant, Okla., where it is broken down and made into new cardboard boxes.

Mixed paper: The paper that the facility receives is called a mixed news collection. That means that magazines, newspapers, office paper and junk mail are all mixed together. The paper is sent to the Catalyst paper mill in Snowflake, Ariz., where the paper is broken down and made into tissue, paper towels and toilet paper.

Aluminum: The aluminum that the facility receives is currently being shipped to an Anheuser-Busch mill in Muscle Shoals, Ala., where it is melted down and made into new beer cans.

Jesse Masten co-wrote this article.

Joseph Walls is hazardous waste specialist at the Eagle County Household Hazardous Waste facility, located at the landfill in Wolcott. The facility is open 8 a.m. to 4 p.m. Monday through Friday and 8 a.m. to 3 p.m. on Saturday. Call 970-328-3468 or visit www.eaglecounty.us/recyclingwaste for information.

<http://www.vaildaily.com/apps/pbcs.dll/article?AID=/20110309/NEWS/110309783&template=printart>

Request for Proposals Municipal Trash and Recyclables Collection Town of New Castle, Colorado

It is the express goal of the Town of New Castle to increase the amount of diverted materials, particularly recycling, to increase the number of people who participate and to increase the amount of items being recycled rather than being put in landfills

I. INTRODUCTION

The Town of New Castle, a home rule municipality, is requesting proposals from qualified contractors for trash and recyclable materials collection services. The Town intends to award a contract as a result of this RFP process. The Town's current contract expires on March 31, 2013. The contractor must be able to provide trash service beginning April 1, 2013. Questions may be referred to Tom Baker, Town Administrator, P O Box 90, New Castle, CO 81647, telephone (970)984-2311. Proposals shall be sent in a sealed envelope marked, "Town of New Castle Refuse Collection Proposal" and shall be received by 5:00 p.m. on February 13, 2013.

The Town has an estimated population of 4500 people and contains an estimated 1,500 single-family household units. There are additional residential accounts in the Town's utility billing system comprised of multi-family units (MFUs). Collection from MFUs is not part of this request for proposals. Also, commercial and industrial complexes are not part of this request for proposals.

This contract is for trash pick-up for most single-family residences within the Town; citizens are not required to participate in the Town sponsored service. The Town believes in maintaining a high level of commitment to quality customer service. In procuring the services described in this RFP, the Town seeks to provide high quality public services that are convenient for the residents. In addition, the Town seeks to provide services that help citizens decrease the amount of solid waste sent to landfills and increase waste reduction and recycling practices.

This request for proposals is a solicitation and not an offer to contract. The Town reserves the right to reject any and all proposals. The Town further reserves the right to issue clarifications and other directives concerning this request for proposals; to require clarification or further information with respect to any proposal, and to determine the final terms of any contract. Interviews may be required by the Town with selected contractors and their customer service representatives to clarify contractor proposals and to allow for contract negotiations.

II. BID SCOPE AND PROPOSAL REQUIREMENTS

Proposals submitted will be for the contractor to provide collection services for trash and recyclables within the Town limits. Proposals must include basic information addressing or confirming compliance with the following:

A. Residential Collection. The contractor shall indicate its proposed plan for residential collection services and the outline of those services.

B. Recycling. Recycling is a key element in the contract award. The Town's current contract requires the contractor to provide recycle bins, and to pick up recyclables curbside once per week. The contract recognizes that some recyclable materials are not marketable, and allows the contractor to determine acceptable materials for recycling.

The Town wishes to expand its recycling effort, without creating an undue economic burden in the process. Since each contractor may have different approaches to recycling, as well as the ability to provide recycling services, the proposal must include a detailed discussion of recycling. This must include options available for recycling, and the contractor's preferred approach to recycling. The Town is interested in instituting a "Pay-As-You-Throw" program and will consider a proposal for this option.

C. Vehicles and Usage. The contractor shall provide information about the size and types of trucks and automation that it proposes to use, as well as other equipment necessary for the job. The Town reserves the right to visit the facilities of all interested contractors and observe the equipment used and the operational methods. These site visits will be coordinated with the appropriate representative(s) from each of the interested contractors. Any contract entered into by the Town may contain provisions regarding equipment weight, leak proofing, and similar performance standards.

The contractor shall indicate current use of vehicles using alternative fuels or future plans of purchasing or retrofitting current vehicles. The contractor shall disclose information about fuel surcharges or credits that shall be based upon a formula to be mutually agreed upon by both prospective contractor and the Town of New Castle. The contractor shall indicate in the proposal whether or not it intends to use subcontractors for any part of the service being provided, together with a list of all said subcontractors.

D. Outreach and Education. The contractor will work with the Town to provide service-oriented information to customers and for developing and executing public education to encourage waste reduction and diversion. Specifically, no less than 15 days prior to the commencement of service the contractor shall provide an information package in English and Spanish to every customer, informing Town residents of the specifics of the trash and recyclables collection program, including a collection schedule, a listing of what materials can go into the trash and recyclable materials bins, instructions stating permitted collection bins, the proper handling of the collection bins, and instructions on what customers are to do with trash that does not fit into the collection bins, etc. The information package must also include the company name, local address and phone number, and the name and number of the company's local representative. Contents of the information package must be reviewed and approved by the Town prior to distribution. The Town must also approve the method(s) of distribution. The contractor will be responsible for all costs of preparation and distribution of the information package. The contractor will be required to provide similar information packages for all new customers and regular information updates on a quarterly basis throughout the term of the contract.

The contractor is to provide educational outreach/opportunities a minimum of four times a year. However, in the first year three times will be required and four times in each year thereafter. A minimum of one of the events will be to partner with a local non-profit to promote reuse & recycling community event.

Menu of Educational Opportunities can include:

- Information booth at Town events e.g. Chili Cook-Off, Burning Mountain Festival, Hogback Hustle & Community Market (farmers)
- Quarterly newsletter
- Educational seminars or workshops
- Social media such as Facebook, Twitter & electronic newsletters
- Meet with senior housing folks, HOA's, Chamber members, churches, etc.
- Individual mailing to each residential household served discussing some of the items below:
 - Back yard composting
 - Community and backyard gardens
 - Benefits of recycling/reuse
 - Future trends in recycling/reuse
 - Electronic waste
 - Explanation of contaminated recycling wastes

Upon selection but prior to implementation of the trash collections service, the selected contractor and their customer service representatives will be required to participate with Town staff and Council in one or more public meetings which will describe the new service to Town residents/customers.

E. Reporting Requirements. Contractor shall provide the Town with quarterly reports which include information about New Castle residential customers and industrials/commercials/MFU's services (only residential is part of the contract). The purpose of this is, although the contract is for residential customers only, the Town would like information on other customers that the contractor services in New Castle:

- Number of residential households & industrials/commercial/MFU's being served
- Baseline data on number of residential households that are recycling
- Baseline data on industrial/commercial/multi-family clients that are recycling
- Diversions: verified report on volumetric collections to encourage reduction of trash being placed in landfills & to promote more enhanced recycling

F. Customer Service. The contractor shall be responsible for providing all customer service functions including informing customers of current services, handling customer requests, and resolving customer complaints. The proposal shall include information addressing the contractor's proposals for methods and a time frame for communicating with the customers and responding to their questions and complaints. The contractor shall also include, with the proposal, a copy of their customer service standards.

G. Unit Pricing. The proposal must clearly specify the following:

Base bid: \$ _____ / residence / month

Recyclables: (if not included in base bid)

\$ _____ / residence / month for weekly pickup

\$ _____ / residence / month for provision of centralized recycling collection center(s) in addition to curbside pickup

\$ _____ / residence / month for provision of centralized recycling collection center(s) instead of curbside pickup

Other services

\$ _____ / residence / month

(Describe and explain "other services" proposed) NOTE: Specify if recyclables are to be co-mingled or separated. If proposing both options, provide cost for both.

\$ _____ / 40 yd container for bi-annual Town clean-up week. Estimated 120 yards per event

\$ _____ / 5 yd container / for bio solid cake waste from the Wastewater treatment plant. Estimated 5 yd per quarter (as needed service)

\$ _____ / 2 yd container / month for weekly pickup at Town Facilities.

\$ _____ / 3 yd container / month for weekly pickup at Town Facilities.

\$ _____ / 4 yd container / month for weekly pickup at Town Facilities.

\$ _____ / 6 yd container / month for weekly pickup at Town Facilities

\$ _____ / month to service 6 town owned porta-potties located in the Town parks, cemetery, etc. Service to be performed on a weekly basis.

\$ _____ / month to lease and service 2 porta-potties. Service to be performed on a weekly basis. One porta-potty from March through November, the second from May through July.

\$ _____ / month to service 2 town owned concrete vault toilets located in the Town parks. Cleaning Service to be performed on a weekly basis, pumping service to be performed on an as needed basis.

H. Other requirements

The Town requires the submission of the following certified supporting data regarding the qualifications of the contractor in order to determine whether it is qualified.

1. Satisfactory evidence that the contractor possesses sufficient experience providing trash and/or recycling collection services.
2. Evidence that the contractor is in good standing in the State of Colorado.

3. A copy of the latest available financial statements of the contractor (or, if the contractor is a subsidiary or division, then a financial statement of the parent corporation).
4. The names and resumes of the principal officers, partners, and/or officials. The name(s) and resume(s) of the individual(s) who will be responsible for the Town contract.
5. Such additional information as will satisfy the Town that the contractor is adequately prepared to fulfill all of the terms of the contract.

III. CONTRACT AWARD AND DETAILS

The contractor shall provide proposals for an annual contract renewable for a period of two additional years, subject to annual appropriation and TABOR. Alternatives for longer terms may be presented for consideration.

The contract will be awarded to the lowest qualified responsive bidder, as determined in the sole discretion of the Town Council. Determination of qualifications and responsiveness will be based upon factors including, but not limited to: the plan for residential collection; the plan for increasing reuse and recycling; costs for service; completeness of proposal; thoroughness of information provided; customer service standards; value added service; and prior successful contractor performance with waste collection systems similar to a scale described herein.

The contract with the Town shall include, but not be limited to, general terms that are substantially as follows:

The contractor shall maintain in its local office full and complete operation and customer service records that shall at all reasonable times be open to the Town for inspection and copying.

The contractor shall bill the Town monthly for services provided. The contractor shall coordinate with the Town's Finance Department to establish mutually acceptable billing forms. The Town will retain full auditing rights of contractor's accounting records as they pertain to the Town's contract.

The Town expects high levels of customer service and collection service provisions. Performance failures will be discouraged, to the extent possible, through penalties for certain infractions and through contract default for more serious lapses in service provisions.

The contract will provide that neither party shall be liable to the other for any delay in, or failure of, performance where performance is prevented or delayed by acts of God, fire, explosion, accident, flood, earthquake, epidemic, war, riot, rebellion, restraints or injunctions, or other legal processes from which a party affected cannot reasonably relieve itself by security or otherwise.

The contractor shall be required to indemnify and hold harmless the Town, its officers and its employees, from and against all liability, claims, and demands, on account of any injury, loss, or damage, which arise out of or are connected with the contractor's performance of the contract, if such injury, loss, or damage, or any portion thereof, is caused by, or claimed to be caused by, the act, omission, or other fault of the contractor or any subcontractor of the contractor, or any officer, employee, or agent of the contractor or subcontractor, or any other person for whom the

contractor is responsible. The contract shall include provisions for the contractor to defend against such claims.

The contractor and any subcontractor of the contractor shall be required to carry at their own expense workers' compensation insurance, comprehensive general liability insurance, and vehicle liability insurance used in performance of the contract. The Town, its officers and employees, shall be named additional insured as respect to required coverage for particular operations, subrogation, production of certificates, cancellation, and insurer ratings.

The contractor shall be responsible at its expense for obtaining and complying with all necessary permits, ordinances, and laws.

The contract shall also include provisions concerning independent contractor status, equal employment opportunity, non-assignment, disclosure of information and records, applicable law, and such other terms and conditions as the Town may require.

The Town makes no guarantee on any of the estimates contained in the RFP and provides this data for informational purposes only. Contractors are expected to conduct their own investigations and research of relevant information used to develop their proposals, including but not limited to the estimated number and type of housing units, anticipated participation, diversion, container weights and all conditions related to the services provided.

The contractor shall make no claims against the Town as a result of estimates or projections used herein, statements, or interpretation of data by Town staff or its agents.

Thank you for your interest in providing services for the Town of New Castle.



Your LOCAL waste removal & recycling experts
PHONE (970)-963-3435 FAX (970)963-1885

TOWN OF NEW CASTLE REFUSE COLLECTION PROPOSAL

ATTN:TOM BAKER, TOWN ADMINISTRATOR



Refuse • Restrooms • Roll-offs
PO Box 1474, Carbondale, Colorado 81623

Office: (970) 963-3435

Fax: (970) 963-4205

M.R.I. is a Western Colorado owned and operated waste & recycling firm, established in 2005. MRI currently has 52 employees with offices in Silt, Gypsum, and Carbondale, Colorado. We operate 38 trucks including front load, rear load, side load and roll-offs. We also provide port-a-potties, hand washing stations, deluxe restrooms, comfort stations and residential and commercial septic pumping.

Current city contracts, and local city contact information for references:

City of Rifle, John Heir 970-665-6409

City of Glenwood Springs, Ricky Smith 970-384-6445

Town of New Castle, Andy Barton 970-984-2311

Town of Carbondale, Larry Ballenger 970-963-2733

City of Aspen, Rebecca Hodgson 970-920-5000

M.R.I was the first company on the Western Slope of Colorado to offer weekly recycling, and we recently were granted approval by Garfield County to construct a full recycling center.

Our owners have lived in Western Colorado for a combined 350+ years. We believe in the communities we serve and give back more than \$75,000 annually to more than 60 local charities, non-profits and youth sports programs. We are members of the Colorado Better Business Bureau (BBB) and an equal opportunity employer. We are members of the Rifle, New Castle, Glenwood Springs, Carbondale, Basalt and Aspen Chamber of Commerce.

We do special events including Strawberry Days, Mountain Fair, Carbondale Rodeo, Burning Mountain Days, New Castle Chili Cook-Off, The Snowmass Rodeo, Jazz Aspen, Aspen Food and Wine, and the Winter X Games. We have very qualified personnel with more than 100 years of combined waste and recycling experience.

We look forward to the opportunity to continue to work with the Town of New Castle and its residents. I am certain we can provide the Town of New Castle the most comprehensive and courteous service.

Sincerely,

Don Van Devander
General Manager



Your LOCAL waste removal and recycling professionals.

A. RESIDENTIAL COLLECTION SERVICES

SOLID WASTE:

96 GALLON CARTS
64 GALLON CARTS
32 GALLON CARTS

MRI recognizes that many people in our local communities have become more aware of their environment and therefore have made changes within their households to recycle more and throw away less. Therefore, MRI would like to offer the Town of New Castle residents the options of a 32 gallon, 64 gallon, or 96 gallon cart for solid waste collection, dependent upon their family's needs.

Those that produce less would be charged a lesser amount based upon the reduction in monthly waste for that household. (Please see unit pricing in section "G" of this proposal)

Collection of solid waste would continue as it has in the past with all residences being collected in one day on Wednesday of each week. Thus, eliminating unnecessary truck traffic throughout the streets of New Castle.

B. RECYCLING SERVICES

1-18 GALLON RECYCLE BIN(BLUE) FOR COMINGLE

- PLASTICS #1-#7
- GLASS
- ALUMINUM AND TIN

1-18 GALLON RECYCLE BIN(YELLOW) FOR ALL PAPER PRODUCTS

- NEWSPAPERS
- OFFICE PAPER
- MAGAZINES, CATALOGS, & PHONE BOOKS
- PAPERBOARD (CAKE BOXES, CEREAL BOXES, SODA BOXES, AND BEER CARTONS)
- CARDBOARD

MRI introduced weekly curbside recycling to the Town of New Castle residents back in 2010. At that time, simply changing the amount of pick-ups from every other week from the previous hauler to weekly pick-ups with MRI, we were able to increase the volume of recyclable material collected by more than 200% on a monthly basis! Since that time MRI has worked diligently to divert as much recyclable materials from local area landfills not only within the Town of New Castle but throughout the Colorado River Valley, Roaring Fork River Valley, and more recently the Eagle River Valley as well.

Successful recycling occurs when materials are collected, separated, processed, baled, and then taken to market for the manufacturing of new items made of the recyclable materials. In order for recycling to be efficient and sustainable, a hauler must be able to collect the materials with the smallest amount of contamination possible to ensure the greatest recovery. Another key component in recycling is having a facility as close as possible to the collection areas that a hauler serves. Therefore, MRI is committed to dual stream recycling in this area of Western Colorado. Here are just a few supporting facts:

1. Single stream recycling has been shown to have contamination rates in excess of 20%. Detailed studies have been conducted in Florida and the United Kingdom (please see attached) which show that there is no evidence of single stream actually providing for more recyclable materials making it to market and truly being recycled. (Please see ATTACHMENT 1)

2. Single stream haulers in this area do not accept plastics #3-#7.

3. The only single stream processing facility is in Grand Junction. Currently a single stream hauler collects materials in New Castle than off-loads the recyclables into a semi-trailer in El Jebel which then travels to Grand Junction. In all, recyclable materials collected in New Castle and processed in Grand Junction would travel more than 130 miles before being processed.

4. In December 2012, MRI was granted approval by the Garfield County Commissioners to construct a 30,000 square foot recycling recovery facility. This will allow MRI to collect, process, and bale all recyclable materials here in our community. This state-of-the-art facility will create jobs, reduce carbon emissions, and keep more than 500 tons of recyclable materials that are currently going into local landfills out of the landfills. For the Town of New Castle, this would mean that recyclable materials are traveling a mere 20 miles vs 130 miles for processing. MRI plans to open the facility in 2014!

Collection of all recyclable materials and special pick-ups would occur on the same day as trash collection. Thus, eliminating unnecessary truck traffic throughout the streets of New Castle.

ADDED VALUE RECYCLING

MRI would like to offer the residents of New Castle an additional service at no additional cost. It is called Special Pick-Ups. Special Pick-Up allows residents to dispose of items that are not accepted in normal residential curbside pick-up. MRI has experienced overwhelming success with this program in Rifle and find residents use the service frequently. Items such as tires, batteries, appliances, motor oil, and bundled limbs can be placed at the curb on scheduled Wednesdays by calling our office and scheduling a pick-up. (Please see ATTACHMENT A)

CENTRALIZED RECYCLING COLLECTION CENTER

MRI would provide the Town of New Castle at no charge the roll-off containers, and hauling services for their centralized collection center. We recognize the difficulty in locating available land, and providing the man power to regulate illegal dumping. Town of New Castle would be responsible for the land and the monitoring of material that was placed into the roll-offs. Any non-conforming or non-recyclable material would be charged back to the Town of New Castle at the current South Canyon Landfill rates.

OPTIONAL E-WASTE CURBSIDE PICK-UP

MRI would like to offer an additional curbside recycling service for E-waste for all Town of New Castle residents. The program would be similar to the Special Pick-Ups Program. E-Waste curbside pick-up would occur on the first Thursday of every month. Residents would call into the MRI and provide their name, address, description of item, and quantity of items.

MRI would provide a calendar illustrating E-waste pick up days in the Residential information and educational packet along with the MRI website. Please see pricing found in section "G" of this proposal.

C. VEHICLES AND USAGE

MRI currently uses rear load, front load, and automated side load trucks for solid waste collection, and compartmentalized curb load recycle trucks for the curbside recyclables and an automated front load truck for corrugated cardboard in container sizes 2-8 yard, which are primarily commercial accounts.

MRI has plans to incorporate either Compressed Natural Gas(CNG) vehicles, or Liquid Natural Gas(LNG) vehicles into our fleet in the future. We explored that option with Mr. Swallow and CLEER last year and have found a couple snags that need to be cleared up before making the change. Currently, it would take more than 30 minutes for a truck to be fueled each day, and the access is also very tight for large trucks at the only filling

station in the area. Don Van Devander recently met with representatives from Mack U.S.A. in December and the future looks very bright for Liquid Natural Gas as well. All testing has been completed by Mack and fueling distribution centers look promising. MRI representatives will be meeting with Mack again in May 2013.

MRI recognizes that alternative fuels are the future, and we will gladly participate in using alternative fuels as soon as they are available and accessible in this area. Don Van Devander will continue to work with local agencies and Garfield County to help make alternative trash collection vehicles a reality in New Castle and the greater Colorado and Roaring Fork River Valleys.

D. OUTREACH AND EDUCATION

MRI looks forward to the opportunity to participate in public education of recycling and waste diversion. A sample information and educational packet has been included for review (ATTACHMENT B). Any approved documents would be posted on the MRI website under the New Castle tab, which New Castle residents could access and download. MRI provided a similar packet to all City of Rifle residents in 2010 when the City privatized their services and introduced curbside recycling. We are more than happy to make any alterations to the packet that City Council and Staff see as beneficial to the residents of New Castle.

MRI would also incorporate an educational program within local schools that provides basic information on recycling, the benefits of recycling, and what each of us can do daily to help our communities stay green.

MRI would certainly agree to attend four local events per year in addition to the above mentioned packets and school programs.

MRI will upload information and articles on our website that discuss back yard composting, community and backyard gardens, benefits for recycling, future trends in recycling, electronic waste, and explanation of contamination of recycling and practices to avoid contaminating the recycle stream. All articles and information will be found under the Town of New Castle tab on our website at www.mrico.net. In addition, these materials will be available in hard copy at the local educational events.

E. REPORTING REQUIREMENTS

MRI is more than capable of supplying quarterly and annual reports to the Town of New Castle for both residential and commercial accounts. MRI will customize the report to meet the needs of Council and Staff. MRI currently provides diversion reporting for the City of Aspen, City of Glenwood Springs, Town of Carbondale, Town of Vail, Pitkin County, Aspen Food & Wine, Winter X Games, and various LEEDS construction projects throughout the Western Slope of Colorado. Sample reports are available upon request.

F. CUSTOMER SERVICE

MRI will continue to offer the same level of excellent customer service we have provided the Town of New Castle since 2010. Herman Aardsma, Director of Operations, and New Castle resident, is available 24 hour per day, 7 days a week for any immediate concerns by Staff. All customer complaints, missed pick- ups, delivery of new equipment to new customers, and/or staff requests will continue to be resolved within 24 hours. Please see our attached mission statement and customer service standards(ATTACHMENT C).



G.UNIT PRICING

BASE BID:

32 GALLON
64 GALLON
96 GALLON

COST/RESIDENCE/MONTH

\$9.78
\$10.78
\$12.78

RECYCLABLES:

WEEKLY CURBSIDE PICK-UP
CENTRALIZED COLLECTION CENTER IN ADDITION TO CURBSIDE
CENTRALIZED COLLECTION CENTER **INSTEAD OF CURBSIDE PICKUP**

COST/RESIDENCE/MONTH

FREE
FREE
-\$4.00

OTHER SERVICES:

SPECIAL WEDNESDAY PICK-UPS

COST/RESIDENCE/MONTH

FREE

COST

40 YD CONTAINER FOR BI-ANNUAL TOWN CLEAN-UP
5 YARD (6 YARD) CONTAINER FOR BIO SOLID CAKE FROM
WASTE TREATMENT PLANT(ON-CALL SERVICE)

FREE HAULING DISPOSAL AT COST
\$100 PER DUMP

COST PER MONTH

2 YD CONTAINER FOR WEEKLY PICKUP
3 YD CONTAINER FOR WEEKLY PICKUP
4 YD CONTAINER FOR WEEKLY PICKUP
6 YD CONTAINER FOR WEEKLY PICKUP

\$35.00
\$45.00
\$88.00
\$128.00

PORTAPOTTIES AND SEPTIC:

6 TOWN OWNED PORTAPOTTIES	CLEANING WEEKLY
MONTHLY LEASE AND SERVICE 2 PORTAPOTTIES	CLEANING WEEKLY
2 TOWN OWNED CONCRETE VAULTS	CLEANING WEEKLY
2 TOWN OWNED CONCRETE VAULTS	PUMPING ON CALL

COST PER MONTH

\$85 EACH
\$85 EACH
\$75 EACH
\$ 50 EACH

OPTIONAL SERVICES

E-WASTE CURBSIDE PICK-UPS

COST/RESIDENCE/MONTH

\$0.50 PLUS DISPOSAL FEE



NEW CASTLE E-WASTE CURBSIDE PROGRAM

	<u>SCREEN SIZE</u>	<u>COST</u>
TELEVISIONS	17 INCHES OR LESS	\$10.00
	18 -23 INCHES	\$15.00
	24-31 INCHES	\$25.00
	32 INCHES OR MORE	\$35.00
FLAT SCREEN TVS AND MONITORS	ANY SIZE	\$25.00
COMPUTER MONITORS	ANY SIZE	\$10.00
LASER PRINTERS	ANY SIZE	\$15.00
STANDING FLOOR PRINTERS	ANY SIZE	\$50.00

***ADDITIONAL CHARGE OF \$10.00 FOR ANY SIZE TV WITH BROKEN TUBES

ITEMS AT NO CHARGE FOR DISPOSAL FEE

CELL PHONES
MICROWAVES
COMPUTER TOWERS
KEYBOARDS
LAP TOP COMPUTERS
KITCHEN APPLIANCES
RECHARGEABLE TOOLS

H. OTHER REQUIREMENTS

1)Evidence that MRI possesses sufficient experience providing collection services

MRI is arguably the most experienced municipality hauler in both the Colorado River Valley and Roaring Fork River Valley. MRI provides service for :

City of Rifle
Town of New Castle
City of Glenwood Springs
Town of Carbondale
Town of Basalt
City of Aspen
Pitkin County
Garfield County(various locations)

2)Evidence of good standing with the State of Colorado
(Please see ATTACHMENT D)

3)Copy of available financial statements.

MRI is a privately held company and financial statements will not be disclosed for public viewing. Attached is a statement from Alpine Bank verifying that MRI is adequately prepared to fulfill all of the terms of the contract.(Please see ATTACHMENT E)

4)MRI officials who will be responsible for the Town of New Castle contract:

<u>NAME</u>	<u>POSITION</u>	<u>OFFICE/CELL</u>
Don Van Devander	General Manager	970-963-3435/970-319-8420
Herman Aardsma	Director of Operations	970-963-3435/970-309-1101
Mike Gibas	Director of Safety	970-963-3435/970-319-8193
Sean Sosonko	Accounting	970-963-3435/970-963-4204

Resumes are attached for your review.(Please see ATTACHMENT F)



Your LOCAL waste removal & recycling experts
PHONE (970)-963-3435 FAX (970)963-1885

TOWN OF NEW CASTLE REFUSE COLLECTION PROPOSAL

ATTACHMENT (1)

[print](#) | [close](#)



Single-stream Versus Dual Stream Recycling Management: Do the benefits justify the means?

Wed, 2012-10-17 11:35

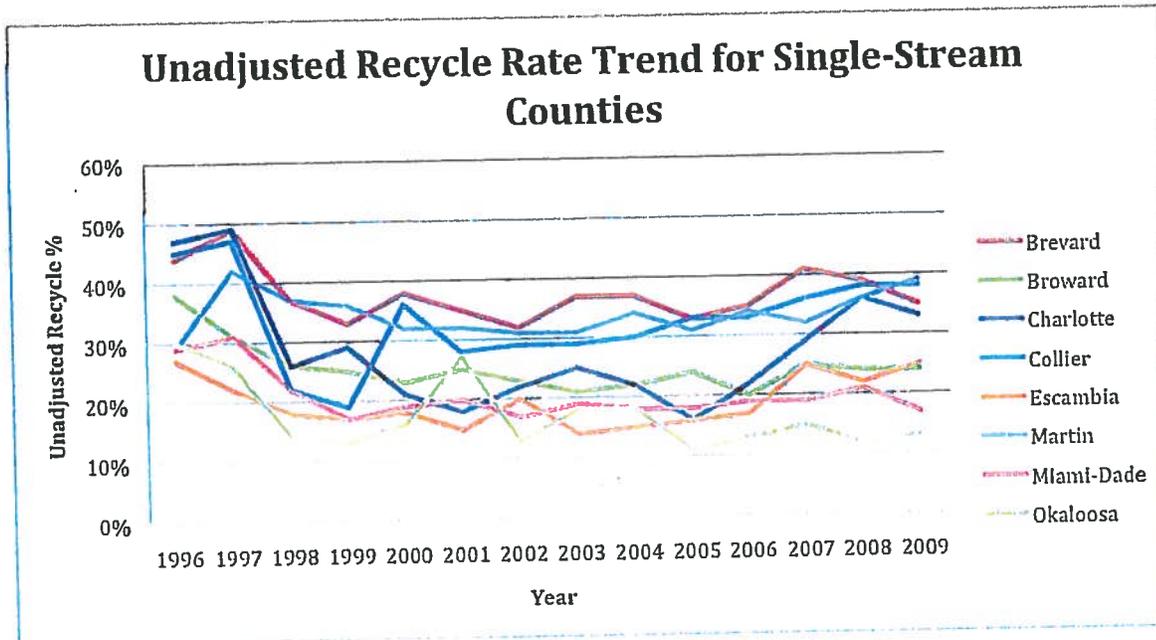
[Waste Age](#)

Steven A. Byars

Disclaimer: This study was conducted using municipal solid waste data from between 1996 and 2009 (the most recent data available at the time of the study). All facts and figures are correct in relation to the data used.

Florida wants to increase its recycling rate to 75 percent by the year 2020 and single-stream recycling may be one way to help reach that goal. Although there are many supporters and detractors for single-stream recycling, a closer look at how it has affected Florida since its inception in 2005 may help gauge the true results. By performing a quantitative analysis on the benefits of single stream and its effect on recycling rates and contamination rates in Florida, and by comparing those rates to counties that still maintain dual-stream recycling systems and contamination rates of the host counties of the end user mills, a better understanding of the true effects of single stream can be realized.

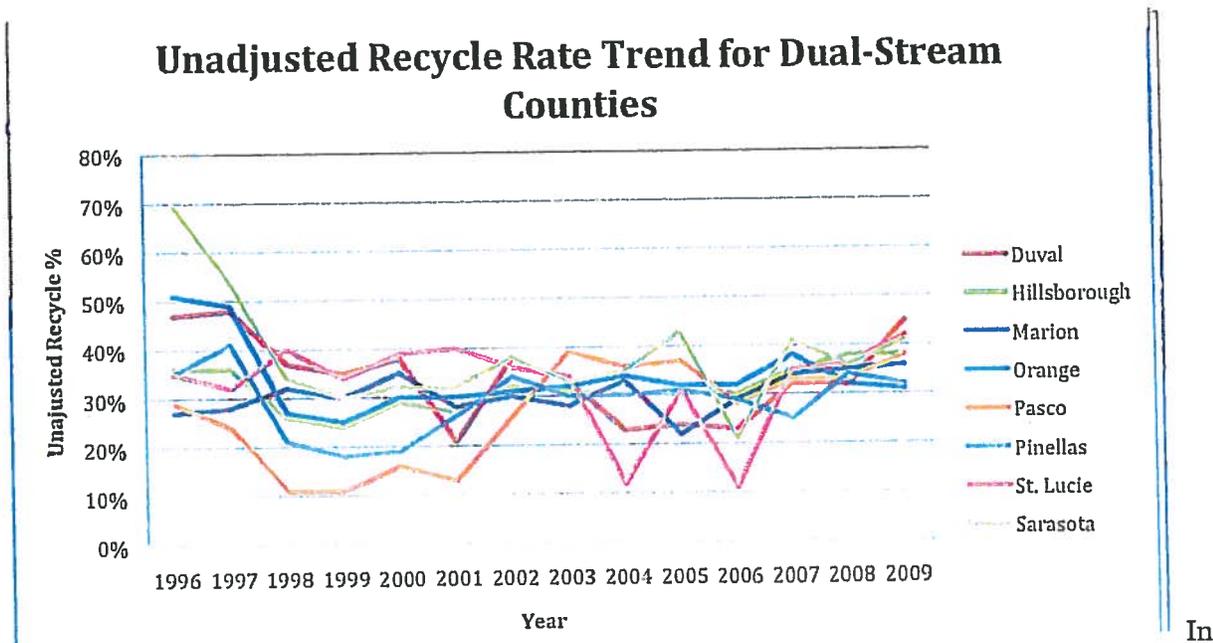
The research analyzed whether single-stream recycling in the state of Florida was more beneficial, environmentally and economically, than dual stream recycling. It attempted to determine whether single-stream recycling encouraged residents to increase their recycling participation and, if so, if the size of the bin, the freedom from sorting or the ability to include more materials were responsible for the potential increase. In addition, the contamination level of recyclables entering single-stream processing facilities and end-user mills was compared to that entering dual-stream processing facilities to determine if more or less contamination was being sent to processing facilities or end-user mills as a result of the conversion to single stream.



A

quantitative research approach was used that compared several years of Department of Environmental Protection data related to municipal solid waste handling in the state of Florida, specifically data from 1996 to 2009. Comparisons of the data between counties that had converted to single stream and counties that still operated dual-stream were carried out to identify possible trends in recycling rates and contamination rates. The specific counties that converted to single stream were Brevard, Broward, Charlotte, Collier, Escambia, Martin, Miami-Dade and Okaloosa. Dual-stream counties were Duval, Hillsborough, Marion, Orange, Pasco, Pinellas, St. Lucie and Sarasota. Figure 1 illustrates the unadjusted recycle rate trend for the eight single-stream counties while Figure 2 shows the unadjusted recycle rate trend for the eight dual-stream counties.

The trends for counties that still use dual-stream recycling methods closely resemble their single-stream counterparts. Samplings of eight dual-stream counties that have similar populations and collect similar amounts of municipal solid waste (MSW) show that they are trending between 30 and 40 percent (Figure 2) while single-stream counties are trending between 13 and 39 percent (Figure 1). There also seems to be very little fluctuation of the rates from year to year. The difference, however, is that the highest recyclable collection rate for a county that uses single-stream recycling is Martin County at 39 percent while the highest recyclable collection rate for a county that uses dual-stream recycling is Duval County at 45 percent.



In addition, Hillsborough, Pasco, St. Lucie, and Sarasota counties all have recycling rates above 38 percent. This seems to challenge the conventional thinking that single-stream recycling brings in more material since the three counties with the highest percentages of recyclable material all operate under a dual-stream system and use 14-gallon bins.

A look at the rates to determine if the size of the bin had any influence on the recycling increases or decreases is inconclusive as Broward, Charlotte, Collier, and Escambia counties all use the 64-gallon bins and experienced increases while Miami-Dade County, which also uses the 64-gallon bins, experienced a decrease. In addition, Brevard and Martin counties experienced increases with smaller bins while Okaloosa County experienced a decrease. The two counties experiencing the greatest increase, Collier with an eight-point swing and Martin with five, use different sized bins, 64 gallon and 28 gallon, respectively. A larger sample size taken over at least five more years may be necessary in order to quantify a correlation between increased recycling rates and bin sizes.

To determine if single-stream recycling significantly reduced the amount of material going to the landfill, comparisons between counties that converted to single stream were made by looking at the recycling and contamination trends before and after the counties converted to single stream.

Although a decrease in the amount of material going to the landfill should be positive, the landfill rate trend for eight single-stream counties indicates that the only county that managed to significantly reduce its landfill percentage was Martin County; Brevard, Broward, Charlotte, Collier, Escambia and Miami-Dade counties all saw reductions in their landfill percentage by at least two percentage points but still remain basically flat, while Okaloosa County managed to gain two percentage points. A closer look at the trend from 1996 to 2009 shows that six out of the eight counties are landfilling more material in 2009 than they did in 1996.

Quick and Dirty?

Comparisons of contamination rates were also made between single-stream counties and the host counties of several end-user mills to determine if there were any significant changes in contamination

rates at the single-stream recycling processing centers and the end-user mills. The landfill rates for Broward as a receiving county and Collier, Martin and Miami-Dade as supply counties showed a general decrease in landfill rates for all counties after single-stream collection began. Similarly, a look at Orange County as a receiving county and Collier, Brevard and Hillsborough as supply counties also showed a general decrease. The data seems to indicate that landfill rates for counties that host single-stream systems have decreased and the landfill rates for the feed counties that supply the single-stream material to the host counties have also decreased. This seems to contradict the view of detractors that single-stream recycling increases contamination rates.

Although these findings are promising, a closer look at the landfill rates of the counties that receive material from single-stream material recovery facilities (MRFs) should be investigated to determine if contamination from the MRFs is being sent to the end-user mills and eventually disposed of in their respective counties. A comparison of landfill rates in Orange and Broward counties (supply counties) to landfill rates in Duval and Manatee counties (end-user mill counties) show that Orange and Broward counties did not increase the landfill rates of Duval and Manatee counties as result of shipping material to the end-user mills located in those counties.

Similar comparisons between landfill rates in Wake County, N.C., which is the host county for Raleigh Plastics and receives plastics from Orange and Broward counties, and Lawrence County, Miss., which is the host county for Georgia Pacific and receives old newsprint (ONP) from Orange and Broward counties, show a possible correlation between a drop in landfill rates in Orange and Broward counties and an increase in landfill rates in Wake and Lawrence counties.

Although there is no evidence that Orange or Broward were sending excessively contaminated material to the end-user mills, there was an interesting correlation in the data that showed that there was an increase in landfill rates in Wake and Lawrence counties with a corresponding decrease in landfill rates in Orange and Broward counties between 2005 and 2009.

A material recovery technology review conducted by Pinellas County in 2009 discovered that the Orange County MRF maintained a recovery rate of between 92 and 94 percent and a contamination rate of 6-8 percent. This is further confirmed by a report conducted by SCS Engineers in 2008 that found that the Orange County MRF had an overall contamination rate of 8 percent. Although hard numbers could not be found for the Broward County MRF, SCS Engineers did indicate in its 2008 report that no Florida counties that employed single-stream reported any significant issues with contamination.

This data and the associated reports seem to indicate that there is little contamination of the material coming into MRFs from the supplying counties. It cannot be concluded, however, if errors in processing at Florida single-stream MRFs have contributed to increases in landfill rates in the host counties of the end-user mills. The evidence is compelling and there are indications that Florida single-stream MRFs may have sent contaminated material to some end-user mills, but without hard numbers from each individual end-user mill, conclusive results cannot be determined.

Aiming High

The benefits and issues surrounding single-stream recycling have been well documented in various trade magazines, engineering studies and government reports. These documents helped give a better understanding of the ongoing problems many states and counties face as they try to meet government-

An interesting discovery, however, was that landfill rates decreased in single-stream counties but increased at some end-user mills' host county landfills after single stream was introduced. These results were inconclusive, however, since there was not a consistent increase across all feedstock materials and at all mills.

In addition, since only landfill rates were used for the end-user mills' host counties, the results could not be quantified because of other unknown limiting factors that may have skewed the data. To better quantify this data, contamination reports from each end-user mill along with contamination reports from each single-stream processing center should be acquired and those results compared to the landfill data to determine the true effects of those increases in landfilled material.

The research presented in this report shows that there is evidence that single-stream recycling may not be as beneficial to increasing the recycling rates in Florida as was previously thought. Although the data presented fails to highlight the benefits of single stream touted by the many supporters of this relatively new technology, it is ultimately inconclusive, indicating that further research may be necessary in order to support these findings. An in-depth study of the industry in another five years may help confirm whether the data in this study still supports the results.

In addition, a closer look at the actual contamination rates of the single-stream processing facilities and the end-user mills may help determine if there truly is an issue with increased contamination as a result of single-stream recycling.

Steven Byars is a retired Air Force veteran who worked in the recycling industry for four years. He was the project manager for the single-stream retrofit of a MRF in Orlando, Fla., and has been a plant manager for three separate sites. Mr. Byars left the recycling industry in 2009 and is currently a training consultant for the Royal Saudi Air Force in Riyadh, Saudi Arabia.

Source URL: <http://waste360.com/recycling-facilities-mrfs/single-stream-versus-dual-stream-recycling-management-do-benefits-justify->

Study shows single-stream is more wasteful, expensive

By Chrissy Kadleck
WRN correspondent

Sorted recycling systems win out over single-stream recycling in a head-to-head competition when the municipal playing fields are even, according to a research report that tracked outcomes in United Kingdom markets over a four-year period.

The study, which was published by 4R Environmental on March 28, provides an analysis of 65 bids between 2008 and 2012. It revealed that 51% of all recycling collection services resulted in curbside sorting, even though that system was only allowed in 45 of the 65 municipalities tracked. Overall, 28% were awarded to single-stream combining and 21% resulted in dual-stream systems.

In 28 cases, there was a genuine competition between systems, said Andy Bond, director of 4R Environmental Ltd. and the report's author. In those cases, 59% of the municipalities selected curb-sort, 31% selected dual stream, and 10% selected single-stream.

"And even if you count all the procurements that curb-sort isn't allowed to tender for, it is still the most successful system because it's got more than 50% of the procurement where a local authority has gone to the market to secure a service," said Bond. "Where the system is allowed, it won on 79% of the occasions. The

next most successful was two-stream, and single-stream was by far the least likely system to win in a competition."

Bond, formerly the managing director of ECT Recycling, the largest social recycling enterprise in the U.K. when it was purchased by May Gurney in 2008, said the results confirmed what he has witnessed in the field during the past two decades.

"My experience was that curb-sort systems, by and large, were more economically successful in competition with commingled systems because they won more frequently," he said, adding that the study was also done to "inform a debate that is ongoing where authorities and waste management companies claim that commingling is the only way to do [recycling] and it's cheaper. The reality is there is not a lot of evidence to support that, and this is just another piece of evidence that says this assumption that they are making is actually wrong."

In fact, he has been involved in two recent cases where municipalities switched back to curb-sort recycling from single-stream because it was cheaper.

"There are at least four cases that I am aware of where councils switched back to curb-sort recycling from single-stream, and I was involved in tendering for two of them successfully," Bond said. "It was cheaper, and in order to win, you needed to be

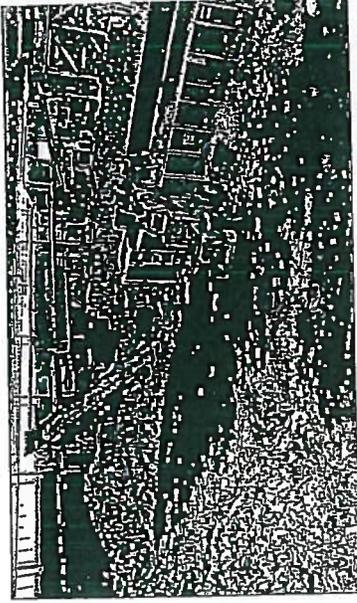
cheaper. The difference is significant. In one case, it was 1 million pounds a year for a relatively small local authority. So instead of \$5 million, they were paying \$4 million for the service. And recycling is only one component, but it is significantly cheaper."

Susan Collins, executive director of the Container Recycling Institute (CRI), said she found the research fascinating — albeit not surprising.

"This study is really interesting because there are so many data points. They looked at dozens of procurement situations, so they are actually uncovering a pattern," said Collins, adding that CRI has for the past few years been researching and gathering data about single-stream systems in the U.S. "We have always expected to see that single-stream would be more expensive, because it yields less in terms of scrap value."

In fact, higher contamination levels in single-stream programs on average result in an overall loss rate of 22% to 27% by weight, according to research findings Collins published in February.

"What we found [over the years] was that single-stream is often reported as having the highest collection volumes ... but it's not just the amount collected. It's how much actually makes it into a manufactured product at the end of the day," she said. "With those higher contamination levels, the



Courtesy, Bellegrain Recycling

A single-stream recycling tipping floor in the Netherlands utilizes Boll Recycling Solutions equipment. A new study says commingled recyclables are more wasteful and expensive to handle than processed or dual-stream systems.

costs in the U.S.?

Yes and no.

Collins and Bond both note that economics, geography and market density vary.

"I do know that there is a conversation that is getting increasingly louder that is saying that materials as we collect them that needs to happen then greater separation at the source," she said, adding that the separation was highly recommended in an international search study done by Green titled "Closing the Loop."

"It doesn't mean you have separate them into 40 different categories," Collins said, putting them all together in disadvantages and all of the terms in Europe that have a much greater level of separation than we do." ■

WRN correspondent Chrissy Kadleck can be reached at ckadleck@bellegrain.com.

DEPARTMENTS

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Your LOCAL waste removal & recycling experts
PHONE (970)-963-3435 FAX (970)963-1885

TOWN OF NEW CASTLE REFUSE COLLECTION PROPOSAL

ATTACHMENT (A)



Your **LOCAL** waste removal & recycling experts
PHONE (970)-963-3435 FAX (970)963-1885

SPECIAL PICK UPS

ALLOWABLE SPECIAL PICK-UP ITEMS

- | | |
|---------------------------------------|-----------------------------------|
| • APPLIANCES(INCLUDING REFRIGERATORS) | 3 PER YEAR PER RESIDENCE |
| • FURNITURE(INCLUDING TELEVISIONS) | 4 PER YEAR PER RESIDENCE |
| • TIRES | 4 PER YEAR PER RESIDENCE |
| • CAR BATTERIES | 2 PER YEAR PER RESIDENCE |
| • MOTOR OIL | 2 GALLONS PER MONTH PER RESIDENCE |
| • TREE LIMBS | BUNDLED 4' LENGTH MAX |

MONTHLY SCHEDULE FOR SPECIAL PICK UPS

1ST WEDNESDAY OF THE MONTH	OIL, BATTERIES, AND TIRES
2 ND WEDNESDAY OF THE MONTH	APPLIANCES
3 RD WEDNESDAY OF THE MONTH	FURNITURE
4 TH WEDNESDAY OF THE MONTH	TREE LIMBS

TO SCHEDULE A SPECIAL PICK UP

PLEASE CALL OUR OFFICE AT (970)963-4204 AND REQUEST A SPECIAL PICK UP. PLEASE INFORM OUR CUSTOMER SERVICE REPRESENTATIVE WITH THE FOLLOWING INFORMATION:

- ADDRESS
- NAME
- DESCRIPTION OF THE ITEM(S)
- QUANTITY OR VOLUME

ITEMS NOT ALLOWED FOR SPECIAL PICK UP

E-WASTE, HAZARDOUS OR FLAMMABLE MATERIALS SUCH AS PAINT, PAINT THINNER, AND GASOLINE. PLEASE CALL THE SUTH CANYON LANDFILL AT (970)945-5375 FOR MORE INFORMATION ABOUT DISPOSAL OF THESE ITEMS.



Office: (970) 963-3435
Fax: (970) 963-4205

What M.R.I. will do for the Town of New Castle to continue high service levels and increase recycling volumes:

- 1) All residential trash and Town Facilities will be picked up in one day. Single day pick up will remove unnecessary trucks trips on Town of New Castle streets.
- 2) Two bin recycling will increase amount of recyclables collected each week.
- 3) Curbside collection of cardboard and paperboard. This service is not currently provided and will allow residents to now have all recyclables picked up curbside.
- 4) Special Pick-up Wednesdays will allow residents to dispose and recycle large bulky items and unacceptable materials that are not allowed to be put in the curbside solid waste carts.
- 4) Any missed stop will be picked up within 24 hours.
- 5) Local customer service representatives, accounting, and on-site supervisors. All calls will be handled by local M.R.I. personnel either in Silt or Carbondale. We do not use call centers or automated customer service lines to answer our customer's concerns. Local supervisors Herman Aardsma and Mike Gibas, live in New Castle and will be available immediately should any problem come up.
- 6) Local municipality experience to help improve routes and efficiency. M.R.I. currently holds the local city contracts of Rifle, Glenwood, Carbondale, and Aspen. Through this valuable experience, we have been able to save each Municipality and its taxpayer's money while improving the service levels and increasing the recycling volumes. We encourage each Council member to contact any of the local municipalities we serve to verify our commitment to each of their respective accounts.



Your LOCAL waste removal & recycling experts
PHONE (970)-963-3435 FAX (970)963-1885

TOWN OF NEW CASTLE REFUSE COLLECTION PROPOSAL

ATTACHMENT (B)



Refuse • Restrooms • Roll-offs

Office: (970) 963-3435

PO Box 1474 Carbondale, Colorado 81623

1800 Medicine Bow Court, Silt, CO 81652

1058 County Road 100, Carbondale CO 81623

www.mrico.net info@mrico.net

ROLL-OFFS, RESTROOMS, BEAR PROOF CANS, JOB TRAILERS, & LEEDS DOCUMENTATION

Town of New Castle Residents,

On April 1st, 2013 M.R.I will continue providing trash removal and curbside recycling services for all Town of New Castle Residents. Your trash service will remain just as it has for the past several years. Your trash pickup will continue to occur on Wednesday. You will use the same trash can(s) that have been provided to you by the M.R.I. All billing will continue to be done by the Town of New Castle.

M.R.I. will be delivering an additional yellow container the week of April 1st for all paper recyclable material to be placed in. Pickup of both recycle bins recyclables bins will begin on April 10th. The blue container is for all comingled products such as glass, aluminum, and plastics. The yellow container is for all paper based products such as newspapers, office paper, and cardboard. Please have both your trash and recycling bins to the curb by 7:00 am on your regularly scheduled collection day. We will be adding a Special Items pickup schedule for all residents. Please see the Schedule located on page 4 of this packet.

An informational packet and educational materials are enclosed to assist residents with frequently asked questions. You will find a calendar for 2013, special pickup guidelines, recycling guidelines, company contact information and website contact information. M.R.I is a locally owned and operated company, and we take pride in the services we provide.

All of us at M.R.I. are excited to continue to work with each resident of the Town of New Castle. If at any-time, you have questions, concerns, or service issues, please contact our office at 970-963-3435. We are available by phone and e-mail from 6am-5pm, Monday-Friday.

Sincerely,

Don Van Devander
Chief-Executive Officer

MRI Recycling program for the Town of New Castle

1. Per the RFP we will deliver an informational packet to each resident explaining all aspects of their services. This packet will include pictures and descriptions of acceptable and unacceptable items for recycling and directions of how to place items at the curb.
2. We will host an educational program for the public to attend in New Castle April 8th to help explain curbside recycling and we will have physical examples of acceptable and unacceptable recycling items. We will also have examples of correct placement of recycling items at the curb.
3. We will place additional INFORMATIONAL PACKETS at City Hall, with permission from the City, for residents to view at anytime they would like. Copies of the educational packet listed in #1 will be also available at city hall.
4. All new residents will receive the informational packet listed in #1.
5. We will identify those residents who may struggle with proper recycling and give them one on one education at there home to solve the problems.
6. Our newly developed website will have an online area specifically for the residents of New Castle. They will be able to access acceptable recyclable items for curbside recycling and what is acceptable for special day pick ups as well. A calendar will also be available, showing the day of pickup and the holiday schedule. It will allow customers to ask on line questions as well as phone numbers to call our local customer service representatives.
7. A Program will be setup with the school district which will educate the pupils on proper recycling and what the benefits are to their families and community. We will be including contests between grades and schools which will be judged by community members. These contests will result in rewards which can include class parties and monetary grants or scholarships.

COMMUNITY INVOLVEMENT

A HAULER SHOULD DO MORE THAN JUST PROVIDE AN EXCELLENT SERVICE. THEY SHOULD BE HEAVILY INVOLVED IN THE COMMUNITY AND GIVE BACK TO THE COMMUNITY. MRI'S LOCAL INVOLVEMENT IS UNRIVALED . AT MRI, WE ARE STRATEGIC PARTNERS WITH LIFT-UP, YOUTHZONE, & HABITAT FOR HUMANITY. WE HAVE CONTINUED YEARLY INVOLVEMENT WITH PROJECT GRADUATION, LITERACY OUTREACH, NEW CASTELE CHAMBER OF COOMERCE, CHILI COOK-OFF, BURNING MTN. FESTIVAL AND LOCAL AREA CLEANUPS FOR JEEP AND ATV CLUBS. WE ARE THE EXCLUSIVE PORT-A-JANE PROVIDER ON THE WESTERN SLOPE FOR THE SUSAN G KOMEN FOUNDATION AND LOCAL AREA RACE AND RIDE FOR THE CURE, BURNING MTN FIREFIGHTERS, YOUTH SPORTS PROGRAMS, ...ETC. SINCE OUR INCEPTION IN 2005, MRI HAS BE BEEN A PROUD SUPPORTER OF THE TOWN OF NEW CASTLE AND ITS RESIDENTS.

BELOW IS A SHORT LIST OF LOCAL GROUPS AND CHARITES WE SUPPORT ANNUALLY:

LITERACY OUTREACH
NEW CASTELE CHAMBER OF COMMERCE
CHILI COOK-OFF
BURNING MTN. FESTIVAL
RIFLE ICE OUT
RIFLE CHAMBER OF COMMERCE GOLF TOURNAMENT
CAYTON RANGER STATION FOUNDATION
LIFT-UP
HABITAT FOR HUMANITY
YOUTHZONE
MOUNTAIN AIR MECHANICAL /GARFIELD COUNTY SEARCH AND RESCUE
BURNING MOUNTAIN FIREFIGHTERS
HI COUNTRY 4-WHEELERS ANNUAL TRAIL & ROAD CLEANUP
FRONTIER HISTORICAL SOCIETY
ELK LODGE #2286 B.P.O.E.
AIRSTREAM VILLAGE HOLIDAY MARKET
ROSS MONTESSORI SCHOOL
ROARING FORK SPORTS FOUNDATION
GLENWOOD SPRINGS SUMMER OF MUSIC@ TWO RIVER PARK
TRASHMASTERS
SUSAN G. KOMEN FOUNDATION
JUNIOR ACHIEVEMENT
YOUTH SOCCER
A.V.S.C.
COLORADO ROCKY MOUNTAIN SCHOOL WORK DAY
LOCAL BOY SCOUTS OF AMERICA
ADVOCATE SAFEHOUSE
PROJECT GRADUATION
AFTER PROM PARTY
PROJECT SANCTUARY
GARFIELD COUNTY FAIR LIVESTOCK AUCTION & SALE
4-H CLUB

MISSION STATEMENT

MOUNTAIN ROLL-OFFS, INC (MRI) IS A LOCALLY OWNED AND OPERATED COMPANY WHOSE GOAL IS TO PROVIDE OUR CUSTOMERS WITH A LEVEL OF SERVICE THAT IS UNPRECEDENTED IN THE WASTE COLLECTION AND RECYCLING SERVICES INDUSTRY. BY MAINTAINING AN ENVIRONMENTALLY CONSCIOUS APPROACH TO WASTE REMOVAL, WE WILL BUILD PARTNERSHIPS IN THE COMMUNITY WHICH WILL ENCOURAGE STRONGER COMMUNITY AWARENESS OF THE NEED TO PROTECT OUR ENVIRONMENT.

CUSTOMER SERVICE STANDARDS

- MRI MAINTAINS ITS TRUCKS AS WELL AS IT'S CONTAINERS TO THE HIGHEST STANDARDS BOTH IN TERMS OF FUNCTION, ABILITY AND APPEARANCE.
- VEHICLES WILL BE WASHED ONCE A WEEK AND AS NECESSARY.
- ALL DRIVERS WILL CARRY CELL PHONES FOR READY COMMUNICATION.
- ALL VEHICLES WILL BE OPERATED WITHIN CITY ORDINANCES AND SHALL OBSERVE ALL SPEED LIMITS AND TRAFFIC REGULATIONS.
- EMPLOYEES WILL BE DRESSED IN A COMPANY UNIFORM THAT WILL INCLUDE ALL NECESSARY SAFETY ITEMS. EMPLOYEES WILL CONDUCT THEMSELVES IN A PROFESSIONAL MANNER. THEY SHALL BE COURTEOUS AND REFRAIN FROM OBSCENE LANGUAGE. THEY WILL WORK SAFELY AND PRODUCTIVELY. DAMAGE TO PUBLIC AND PRIVATE PROPERTY WILL BE AVOIDED AND THEY WILL NOT TRESPASS.
- SAFETY MEETINGS, INCLUDING TRAINING, ARE HELD WEEKLY.
- WE WILL RESPOND TO AND RESOLVE COMPLAINTS WITHIN 24 HOURS.

COMPANY CONTACT INFORMATION

CUSTOMER SERVICE: 970-963-3435
FAX: 970-963-4205
EMERGENCY: 970-309-1101 OR 970-319-8420
WEBSITE: WWW.MRICO.NET
EMAIL: INFO@MRICO.NET

OBSERVED HOLIDAYS:

- NEW YEARS DAY
- MEMORIAL DAY
- INDEPENDENCE DAY (JULY 4TH)
- LABOR DAY
- THANKSGIVING DAY
- CHRISTMAS DAY

*YOUR PICKUP DAY WILL BE PUSHED BACK ONE WORKING DAY LATER DURING THE WEEK OF THE HOLIDAY.
PLEASE SEE ENCLOSED CALENDER FOR CHANGES TO REGULARLY SCHEDULED COLLECITION DAYS.*

ALLOWABLE SPECIAL PICK UP ITEMS

APPLIANCES INCLUDING REFRIGERATORS	3 PER YEAR PER RESIDENCE
FURNITURE INCLUDING TELEVISIONS	4 PIECES PER YEAR PER RESIDENCE
TREE LIMBS TIED IN BUNDLES	NO LONGER THAN 4 FEET
TIRES	4 PER YEAR PER RESIDENCE
CAR BATTERIES:	2 PER YEAR PER RESIDENCE
OIL	2 GALLONS PER MONTH PER RESIDENCE

SPECIAL PICKUPS SCHEDULE

1 ST WEDNESDAY OF THE MONTH	OIL, BATTERIES, & TIRES
2 ND WEDNESDAY OF THE MONTH	APPLIANCES
3 RD WEDNESDAY OF THE MONTH	FURNITURE
4 TH WEDNESDAY OF THE MONTH	TREE LIMBS

TO SCHEDULE A PICK UP

PLEASE CALL OUR OFFICE AT 970-963-3435 AND REQUEST A SPECIAL PICKUP . PLEASE INFORM OUR CUSTOMER SERVICE AGENT WITH A DESCRIPTION OF THE ITEM(S) AND THE QUANTITY . FOR LIQUIDS , PLEASE PROVIDE VOLUME THAT YOU HAVE FOR PICK UP.



Refuse • Restrooms • Roll-offs

Office: (970) 963-3435
PO Box 1474 Carbondale, Colorado 81623
1800 Medicine Bow Court, Silt, CO 81652
1058 County Road 100, Carbondale CO 81623

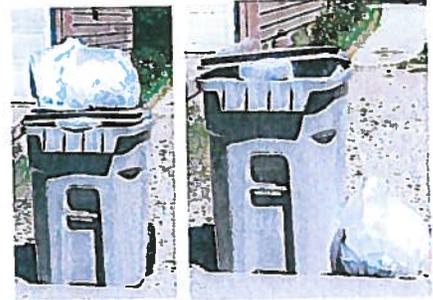
ROLL-OFFS, RESTROOMS, BEAR PROOF CANS, JOB TRAILERS, & LEEDS DOCUMENTATION



Correct

ALLOWABLE SOLID WASTE MATERIALS:

ALLOWABLE SOLID WASTE MATERIALS ARE ALL ORDINARY HOUSEHOLD ITEMS THAT ARE NON-HAZARDOUS. ALL ITEMS MUST FIT INSIDE YOUR 32, 64, AND/OR 96 GALLON TRASH CAN. NO ITEMS ARE TO BE PLACED ON TOP OF THE LID OR OUTSIDE THE TRASH CAN.



Incorrect

ALLOWABLE SPECIAL PICK UP ITEMS

APPLIANCES (INCLUDING REFRIGERATORS):	3 PER YEAR PER RESIDENCE
FURNITURE (INCLUDING TELEVISIONS):	4 PIECES PER YEAR PER RESIDENCE
TIRES:	4 PER YEAR PER RESIDENCE
CAR BATTERIES:	2 PER YEAR PER RESIDENCE
OIL:	2 GALLON PER MONTH PER RESIDENCE

TREE LIMBS TIED IN BUNDLES NO LONGER THAN 4 FEET IN LENGTH, AND 3 INCHES IN DIAMETER.

THE SCHEDULE FOR THE SAID SPECIAL PICKUPS SHALL BE AS FOLLOWS:

1 ST WEDNESDAY OF THE MONTH	OIL, BATTERIES, & TIRES
2 ND WEDNESDAY OF THE MONTH	APPLIANCES
3 RD WEDNESDAY OF THE MONTH	FURNITURE
4 TH WEDNESDAY OF THE MONTH	TREE LIMBS

TO SCHEDULE A PICK UP

PLEASE CALL OUR OFFICE AT 970-963-3435 AND REQUEST A SPECIAL PICKUP. PLEASE INFORM OUR CUSTOMER SERVICE AGENT WITH A DESCRIPTION OF THE ITEM(S) AND THE QUANTITY (OR VOLUME FOR LIQUIDS) THAT YOU HAVE FOR PICK UP.

MATERIALS NOT ALLOWABLE FOR SPECIAL PICKUP:

E-WASTE, AND ALL HAZARDOUS OR FLAMMABLE MATERIALS SUCH AS PAINT, STAINS, PAINT THINNER, AND GASOLINE. YOU CAN CALL THE SOUTH CANYON LANDFILL AT 945-5375 FOR MORE INFORMATION ABOUT DISPOSAL OF THESE ITEMS.

CONTAINER PLACEMENT AT CURBSIDE

TRASH CART SHOULD BE PLACED IN THE STREET AT THE CURB WITH THE ARROWS POINTING OUT. THE CONTAINER SHOULD NOT BE WITHIN 3 FEET OF ANY OBSTACLE.

ALL ITEMS MUST FIT INSIDE YOUR 32, 64 AND/OR 96 GALLON TRASH CAN. NO ITEMS ARE TO BE PLACED ON TOP OF THE LID OR OUTSIDE THE TRASH CAN.



PLEASE PLACE ALL RECYCLING BINS AT THE CURB ON THE LEFT SIDE OF YOUR DRIVEWAY WHEN FACING THE HOUSE. THE TRASH CONTAINER NEEDS TO BE PLACED ON THE RIGHT SIDE OF THE DRIVEWAY WHEN FACING THE HOUSE



RECYCLABLE MATERIALS

RESIDENTIAL RECYCLE WILL BE SERVICED ON THE SAME DAY AS TRASH SERVICE

BLUE CONTAINER (COMINGLED)

GLASS: CONSISTING OF CLEAR AND COLORED BOTTLES

PLASTICS #1-#7: (PLASTICS THAT ARE RECYCLABLE HAVE A TRIANGLE ON THE BOTTOM OF THE CONTAINER WITH A NUMBER INSIDE).

ALUMINUM AND TIN: (PLEASE REMOVE ALL FOOD PRODUCT FROM THE TIN CANS)

ITEMS NOT ALLOWED IN COMINGLE

DRINKING GLASSES, WINDSHIELDS, WINDOW PANES, MIRRORS, AND VASES. AEROSOL CANS (HAIRSPRAY, COOKING SPRAY, WHIP CREAM...ETC)



YELLOW CONTAINER (PAPER PRODUCTS)

- NEWSPRINT
- MAGAZINES
- PAPERBOARD—CAKE BOXES, CEREAL BOXES, SODA & POP BOXES, BEER CARTONS.
- CARDBOARD—WAXED AND UNWAXED • 4 FEET X 4 FEET IS THE LARGEST SIZE AND IT MUST BE "BROKEN DOWN" OR CUT DOWN AND FLATTENED WITH ALL PACKAGING MATERIALS REMOVED. PLEASE PLACE UNDER THE YELLOW BIN.
- CATALOGS
- PHONEBOOKS



WE CANNOT PICK UP YOUR RECYCLE IF IT IS CONTAMINATED WITH TRASH.

PLEASE CONTACT A CUSTOMER SERVICE REPRESENTATIVE AT (970)963-3435 IF YOU HAVE ANY QUESTIONS REGARDING CONTAMINATION OR NON-CONFORMING MATERIALS.



Allowable Plastics

PLASTIC #1

PET or PETE (Polyethylene terephthalate)



PETE

Found in: soft drink, water and beer bottles; mouthwash bottles; peanut butter containers; salad dressing and vegetable oil containers; ovenable food trays

PLASTIC #2

HDPE (High density polyethylene)



HDPE

Found in: milk jugs, juice bottles; bleach, detergent and household cleaner bottles; shampoo bottles; some trash and shopping bags; motor oil bottles; butter and yogurt tubs; cereal box liners

PLASTIC #3

V (Vinyl) or PVC



PVC

Found in: window cleaner and detergent bottles, shampoo bottles, cooking oil bottles, clear food packaging; wire jacketing, medical equipment, siding, windows, piping

PLASTIC #4

LDPE (Low Density polyethylene)



LDPE

Found in: squeezable bottles; bread, frozen food, dry cleaning and shopping bags; tote bags; clothing; furniture; carpet

PLASTIC #5

PP (Polypropylene)



PP

Found in: some yogurt containers, syrup bottles, ketchup bottles, caps, straws, medicine bottles

PLASTIC #6

PS (Polystyrene)



PS

Found in: disposable plates and cups, meat trays, egg cartons, carry-out containers, aspirin bottles, compact disc cases

PLASTIC #7

Miscellaneous



OTHER

Found in: three- and five-gallon water bottles, 'bullet-proof' materials, sunglasses, DVDs, ipod and computer cases, signs and displays, certain food containers, nylon

Wednesday Service Calendar

For Town of New Castle Residents

Year 2013

2013

January	February	March
Su Mo Tu We Th Fr Sa	Su Mo Tu We Th Fr Sa	Su Mo Tu We Th Fr Sa
1 2 3 4 5	1 2	1 2
6 7 8 9 10 11 12	3 4 5 6 7 8 9	3 4 5 6 7 8 9
13 14 15 16 17 18 19	10 11 12 13 14 15 16	10 11 12 13 14 15 16
20 21 22 23 24 25 26	17 18 19 20 21 22 23	17 18 19 20 21 22 23
27 28 29 30 31	24 25 26 27 28	24 25 26 27 28 29 30 31

April	May	June
Su Mo Tu We Th Fr Sa	Su Mo Tu We Th Fr Sa	Su Mo Tu We Th Fr Sa
1 2 3 4 5 6	1 2 3 4	1
7 8 9 10 11 12 13	5 6 7 8 9 10 11	2 3 4 5 6 7 8
14 15 16 17 18 19 20	12 13 14 15 16 17 18	9 10 11 12 13 14 15
21 22 23 24 25 26 27	19 20 21 22 23 24 25	16 17 18 19 20 21 22
28 29 30	26 27 28 29 30 31	23 24 25 26 27 28 29 30

July	August	September
Su Mo Tu We Th Fr Sa	Su Mo Tu We Th Fr Sa	Su Mo Tu We Th Fr Sa
1 2 3 4 5 6	1 2 3	1 2 3 4 5 6 7
7 8 9 10 11 12 13	4 5 6 7 8 9 10	8 9 10 11 12 13 14
14 15 16 17 18 19 20	11 12 13 14 15 16 17	15 16 17 18 19 20 21
21 22 23 24 25 26 27	18 19 20 21 22 23 24	22 23 24 25 26 27 28
28 29 30 31	25 26 27 28 29 30 31	29 30

October	November	December
Su Mo Tu We Th Fr Sa	Su Mo Tu We Th Fr Sa	Su Mo Tu We Th Fr Sa
1 2 3 4 5	1 2	1 2 3 4 5 6 7
6 7 8 9 10 11 12	3 4 5 6 7 8 9	8 9 10 11 12 13 14
13 14 15 16 17 18 19	10 11 12 13 14 15 16	15 16 17 18 19 20 21
20 21 22 23 24 25 26	17 18 19 20 21 22 23	22 23 24 25 26 27 28
27 28 29 30 31	24 25 26 27 28 29 30	29 30 31

	Day of Service
	Holidays

Holidays and Observances that MRI Observes:

May 27 Memorial Day
 July 4 Independence Day
 September 2 Labor Day
 November 28 Thanksgiving Day
 December 25 Christmas Day



Backyard Composting

Guide H-110

George W. Dickerson
Extension Horticulture Specialist

Cooperative Extension Service • College of Agriculture and Home Economics



This publication is scheduled to be updated and reissued 4/05.

Yard waste makes up 20–30 percent of the solid waste of most municipalities throughout the United States, while food waste makes up another 8–9 percent. The cost of collecting, hauling and handling yard waste is often a large part of the budget associated with many municipal solid waste management programs, averaging 20 percent of the budget and increasing to as much as 50 percent when grass clippings and leaves are handled.

Yard and food wastes are also major factors in the production of methane gas and acid-liquid drainage in landfills. Incinerating yard wastes is a major source of air pollution. Although municipal composting is an environmentally preferable alternative for handling yard and food wastes, processing these wastes at the source reduces the major costs of collecting and has a positive effect on the environment. Backyard composting is one of the easiest ways to process yard wastes at the source.

WHAT IS COMPOSTING?

Making compost is a speeded-up way of imitating nature's cycle of life and death. The end product in the composting process is a dark, loose, partially decomposed, amorphous form of organic matter that reveals no hint of its origin. The only difference between finished compost and forest humus created by nature is time.

The actions of various microorganisms and invertebrates convert raw organic matter in a compost pile into finished compost. Maximum decomposition occurs when these organisms are exposed to an appropriate balance of oxygen, moisture and nutrients. Products of the composting process include finished compost, carbon dioxide, heat and water.

Aerobic and Anaerobic Composting

Composting can occur under either *aerobic* (in the presence of oxygen) or *anaerobic* (without oxygen) conditions. Microorganisms for aerobic composting require

oxygen (greater than 5 percent within the compost pile), while anaerobic microorganisms prefer an absence of oxygen. Anaerobic decomposition in backyard compost piles is generally undesirable due to objectionable odors that result. The most offensive gas resulting from the anaerobic process is hydrogen sulfide (rotten egg smell), while other offensive odors include cadvarine and putrescine.

Aerobic decomposition is the preferred composting technique in most backyard composting piles, because it smells better and is more efficient. Aerobic composting generates heat up to 140°F or higher, which is hot enough to kill most plant pathogens and weed seed in the pile when properly managed.

Composting Alternatives

Sheet composting in the garden involves applying raw composting materials directly on top of the soil in layers. Shredded organic matter can be applied between plants as a type of mulch and allowed to decompose slowly. Material can then be incorporated directly into the soil after frost in the fall.

Trench composting involves digging a trench and filling it up with shredded organic waste. The trench is then covered with 6–8 inches of soil. Depending on soil temperature, microorganisms and earthworms will slowly convert these materials to usable organic matter. Covered trenches often are used as paths between rows of vegetables, while the organic matter is decomposing.

"Com-posthole-ing" is similar to trench composting except that it involves smaller areas. A posthole digger or sharpshooter can be used to make holes between plants like tomatoes, and these holes can be filled with food scraps and covered with soil. By the following spring, organic matter should be well decomposed.

THE COMPOSTING PROCESS

Compost Organisms

Most composting organisms fall into two general groups: microorganisms and invertebrates. Among the microorganisms, aerobic bacteria are the most important in terms of initiating decomposition and heat generation.

Bacteria are one-celled colorless organisms that cannot make their own food through photosynthesis. They reproduce by splitting, producing billions of offspring over a relatively short time, although the life span of any particular generation may be only 20–30 minutes. As a group, they can eat almost any type of organic matter, although specific bacterial populations will differ from pile to pile depending upon the makeup of the pile and the decomposition stage.

Psychrophilic bacteria are active when a pile is first made, especially in the fall when the weather is cool. Optimum activity occurs at about 55°F, but these bacteria are still active at 0°F. The bacterial activity creates heat and sets the stage for the most efficient decomposers, the *mesophilic* bacteria, which are most active when the temperature of the pile is at 70–100°F.

Rapid decomposition of the pile by mesophilic bacteria creates heat. As the temperature of the pile increases, *thermophilic* bacteria take over from 113°F to 155°F and higher. Most weed seed and organisms causing plant diseases are killed at these temperatures. Unless turned and fed new material, thermophilic bacteria will decompose material rapidly, peaking in 2–3 days. The pile will then return to the lower temperature range where mesophilic bacteria are active.

Other important microorganisms in the composting process include *actinomycetes* and *fungi*. Similar to bacteria and fungi, actinomycetes give the compost pile its faintly earthy odor. At the end of the composting process, they may appear as a blue-gray to light green powdery or cobweb-like layer in the outer 4–6 in. of compost. Fungi generally intermingle with the actinomycetes.

When the inner pile starts to heat up, most invertebrates are killed or migrate to cooler areas of the pile. In the cooler areas, nematodes prey upon bacteria, protozoa and fungal spores. Larger mites and springtails also feed on fungi. The life cycle within the pile continues to become more complex as predaceous mites and pseudoscorpions feed on other mites as well as nematodes. Complex invertebrates like centipedes and ground beetles feed on lower life forms, and decaying plant life in the pile attracts sowbugs, snails, slugs and earthworms.

Carbon:Nitrogen Balance

A compost pile that heats up properly and decomposes rapidly depends on a number of environmental factors within the pile. One of the most critical factors is the

balance of nitrogen and carbon within the plant and animal wastes added to the pile.

Although a number of nutrient ratios, such as nitrogen to phosphorous, are important in the composting process, the most critical is the carbon:nitrogen ratio, commonly expressed as “C:N” or “C/N” ratio. Microorganisms require carbon for energy, while they need nitrogen for protein synthesis. Decomposition within the compost pile is optimal when the C:N ratio is about 30:1. Excess nitrogen in the pile results in the production of ammonia when there is not enough carbon in the pile for microorganisms to synthesize new cellular material. When there is not enough nitrogen to produce proteins for microorganism growth, the composting process slows.

While most organic materials in the pile vary in their carbon:nitrogen ratios, they must be balanced to produce the ideal of 30:1. Most dry or woody materials are high in carbon, while green wastes or livestock manures are relatively low (table 1). Because plant materials vary in C:N ratios due to water content and growth stage, tables of C:N ratios can be used only as guides in mixing materials. Thus, composting is as much an art as it is a science.

Table 1. Carbon:nitrogen ratios for selected organic wastes (by weight).

Material	C:N Ratio
Low C:N materials	
Grass clippings	12–15:1
Food scraps	15:1
Vegetable wastes	11–20:1
Coffee grounds	20:1
Cow manure	18–20:1
Horse manure	25:1
Poultry manure	15:1
High C:N materials	
Leaves	30–80:1
Straw	40–100:1
Corn stalks	60:1
Paper	170–200:1
Sawdust	200–500:1

Surface area effects

Decomposition within the pile can be aided by increasing the surface area of organic material added to the pile. As microbial activity occurs mostly on the surface of waste added to the pile, increasing the surface area will increase the number of microorganisms working on the material.

One of the most efficient ways to increase the surface area of organic waste is to run it through a mechanical shredder or chipper. Shredders and chippers can be large or small, run by electricity, gas or by hand. Fall leaves

can be run through a rotary mower. Loppers and hand shears can be used to reduce the size of hedge trimmings or branches.

Aeration

Turning the compost pile periodically is critical to aerobic composting, as much of the air available to microorganisms within the pile comes from air trapped in it when the pile is turned. The more often the pile is turned, the more air enters it. Some fresh air enters the pile from wind, while air also can be drawn into the pile naturally as warm air from the composting process rises.

Aeration also depends on the amount of water in the pile and the porosity (size of spaces between particles in the pile) of the pile's contents. These spaces can hold both water and air. Thus, as water contact increases, possibilities for air contact decrease. Mixing coarse dry materials like autumn leaves with wet green materials like grass trimmings will increase the airflow through the pile.

In backyard composting projects, a garden fork or pitchfork is one of the best tools to turn or fluff up a pile. Compost piles can also be constructed so that they "breathe" on one or more sides.

Moisture Content

For optimum aerobic composting, moisture content of the pile should range between 40 and 60 percent. A higher percentage will increase anaerobic decomposition, while a lower moisture content will slow down the composting process as microorganisms die or become dormant.

Squeeze compost in your hand to judge moisture content. If the material feels like a damp sponge and yields only a few drops when squeezed tightly, its moisture content is sufficient. Piles that are too wet should be turned to increase air content; piles that are too dry should be turned and sprinkled with a hose.

BUILDING A COMPOST PILE

Most compost piles aren't aesthetic masterpieces, so locating them in an inconspicuous but convenient location is appropriate. Be sure a source of water is nearby. Locating the pile in a shaded area will keep it from drying out. As most compost is used in the garden, easy access to this area is essential.

Minimum dimensions for a pile are 3 x 3 x 3 ft, as smaller piles will not heat up or decompose. The pile should be large enough to hold the heat that it generates, yet small enough to allow air movement into the center of the pile. Piles taller than 5 ft are difficult to turn and may restrict air flow due to weight. The length of the pile depends on the amount of material to be composted.

Gardeners with large amounts of yard waste should consider constructing two or more compost piles or bins. Two bins are convenient when turning the material, while multiple bins initiated at different times provide for compost at different stages of decomposition.

Compost Structures

Your choice of a composting structure depends on your time requirements for finished compost, space limitations and budget restraints. Making finished compost quickly requires that the structure be adapted to turning the compost frequently. Gardeners who are especially conscious of aesthetics may prefer rotating barrel composters (fig. 1). Though relatively expensive, these structures are less messy and produce finished compost more quickly than other structures as they can be turned easily. Fins inside the barrel keep material well aerated (fig. 2).

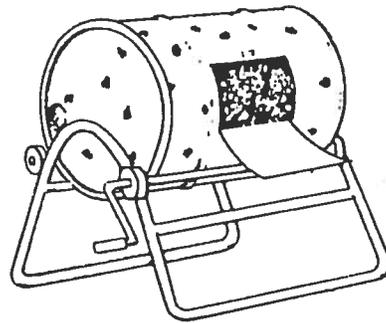


Figure 1. Rotating barrel composter.

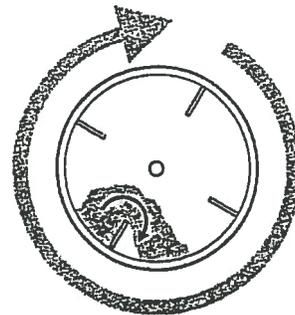


Figure 2. Fin structure in barrel composter.

Another relatively expensive structure is the three-bin composting unit. These bins can be made of sliding redwood slats (fig. 3), a combination of redwood slats and hardware cloth (fig. 4) or cement blocks (fig. 5). The hardware cloth structures tend to be better aerated, and compost can be transferred from one bin to another easily.

Heap composting is the cheapest method of composting, but it tends to take up more room and is somewhat messier. Finished compost can be generated quickly if at least two heaps are maintained for turning purposes.

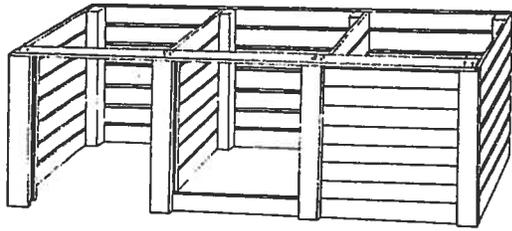


Figure 3. Redwood slat three-bin composting unit.

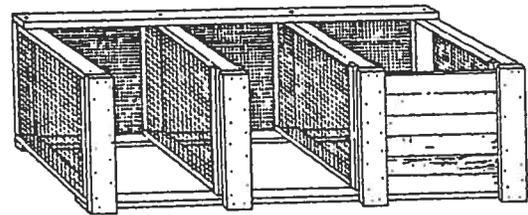


Figure 4. Redwood slat hardware screen three-bin composting unit.

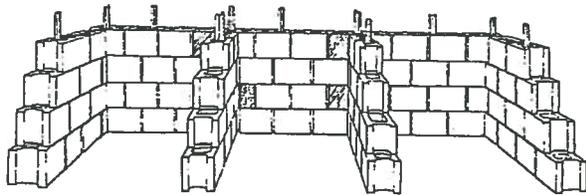


Figure 5. Cement block three-bin composting unit.

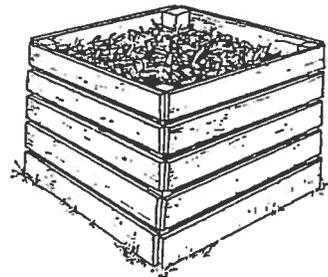


Figure 6. Redwood slat holding unit.

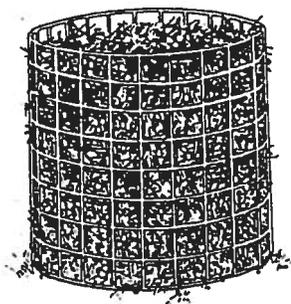


Figure 7. Wire-fencing holding unit.

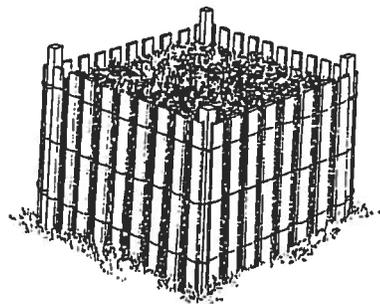


Figure 8. Snow-fence holding unit.

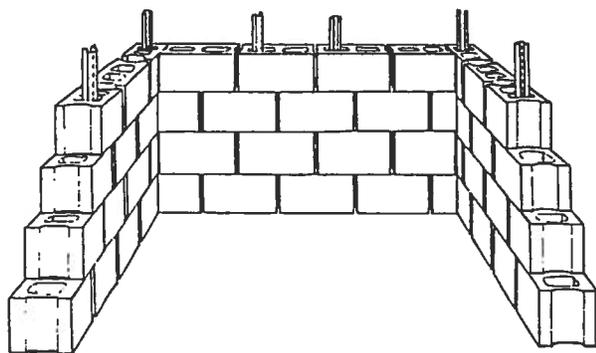


Figure 9. Cement block holding unit.

Composting Techniques

The most popular composting technique involves alternating layers of organic materials, soil, and fertilizer or manure (fig. 10). Layers can be laid down in either specially constructed bins or piles.

A 6–8 in. layer of coarse organic material, such as shredded corn cobs or sawdust, is put down first to provide aeration from the bottom. This material will also help absorb leachate that trickles down through the pile.

Sprinkle a thin layer of fertilizer (1 cup of 12-12-12 or equivalent per 25 square ft of surface area) over the layer of organic material. Fertilizers provide nitrogen necessary to reduce the high carbon:nitrogen ratios associated with coarse materials like corncobs and sawdust. Use a complete fertilizer to keep phosphorous and potassium in balance with the nitrogen.

A 1–2 in. layer of poultry, rabbit or livestock manure can be substituted for the fertilizer. Horse manure mixed with bedding materials is an excellent source of nitrogen and microorganisms that start the composting process. A layer of soil will also introduce microorganisms into the pile.

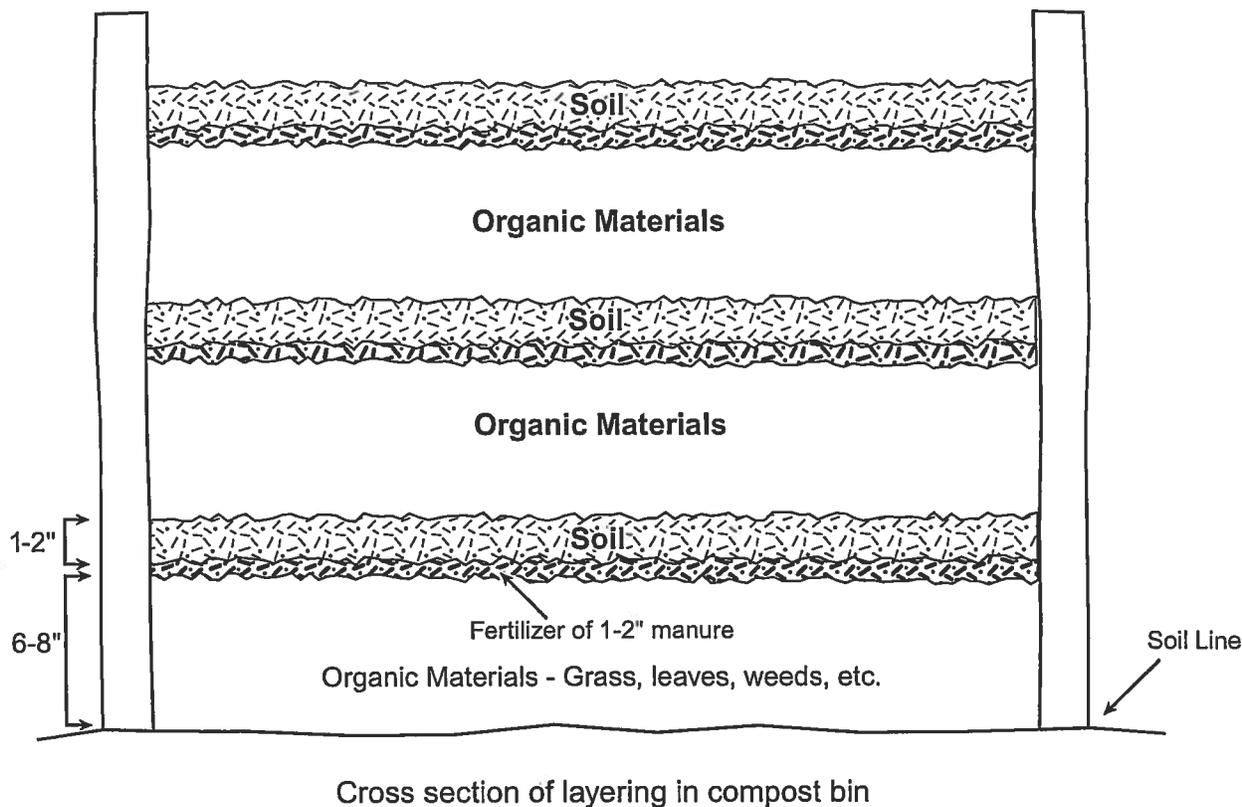


Figure 10. Layering technique for compost pile or bin.

Wet grass clippings also can be mixed with drier, coarser materials for a source of nitrogen. Be careful not to layer wet grass clippings in the pile as they tend to mat, and matted wet clippings become sticky masses of slime through anaerobic decomposition, restricting air and water movement in the pile.

Continue to layer organic materials, fertilizer or manure and soil until the pile is 3–5 ft high. Be sure to moisten each layer with water as it's laid down. This is particularly important for drier, coarser materials.

Composting Materials

Almost all plant materials can be used in a compost pile. Do not place diseased plants and weed seed in a compost pile, however, as the pile construction may not be optimum for proper heating. In addition, do not put sprigs of perennial lawn grasses like Bermudagrass and root systems of perennial weeds like Johnsongrass and bindweed into your compost pile.

Whenever possible, select plant materials for composting that will balance high C:N ratio materials with low C:N ratio materials. Compost piles made of mostly high C:N ratio materials may require extra nitrogen fertilizer or livestock manure to reduce the average C:N ratio for the pile. Animal manures that should not be used include pet (cat and dog) and pig manures that may contain disease organisms that can infect humans. Avoid fatty food wastes like meat and bones, as the odors they generate attract pests. Avoid wood ashes, as they tend to be very alkaline. Table 2 lists plant and animal wastes to include in the compost pile and those to avoid.

Table 2. Wastes to include in or exclude from the compost pile.

Include	Exclude
Leaves	Weeds (perennials)
Sawdust	Diseased plants
Grass clippings (except Bermuda sprigs)	Pig manure
Weeds (annual)	Pet manure (cat and dog)
Vegetable wastes	Meat
Fruit wastes	Fat
Straw	Oils and lards
Tree and brush trimmings (shredded)	Milk and cheese products
Paper	
Egg shells	
Coffee grounds	
Chicken manure	
Rabbit manure	
Livestock manure (except pig)	

MAINTAINING A COMPOST PILE

Proper, uniform moisture levels for optimum microbial activity can best be maintained when turning the pile. Soggy piles will revert to anaerobic decomposition and need to be fluffed up. Aerobic microbial activity slows in dry piles; thus, when turning dry piles, moisten the compost.

Generally, the more compost is turned the faster it decomposes. While frequently turned piles can yield finished compost in as little as 14 days, piles turned less frequently may take as long as a year to produce finished compost. The time required to develop finished compost also depends on the size of the pile and time of year or air temperature.

When turning, place compost on the outside edges of the pile or bin in the middle of the new pile so that it can heat up in the composting process. The finished compost pile should be half the size of the original pile. Most of the size loss is associated with the production of carbon dioxide in the composting process.

Troubleshooting

The compost pile may fail to heat up and decompose properly for a number of reasons. Consult table 3 for common symptoms, problems and solutions.

Table 3. Troubleshooting composting problems.

Symptom/Problem	Solution
<i>Rotten egg smell</i>	
Insufficient air; excess moisture	Turn pile and incorporate coarse organic matter (sawdust, leaves)
<i>Ammonia smell</i>	
Organic material too high in nitrogen	Add coarse organic material (sawdust, leaves)
<i>Pile does not heat up</i>	
Pile too small	Add more organic matter
Insufficient moisture	Turn pile and add water
Lack of nitrogen	Incorporate manure, fertilizer or low C:N ratio plant material (lawn clippings)
Poor aeration	Turn pile
Cold weather	Increase pile size or insulate with straw

VERMICOMPOST

Earthworms are some of the largest organisms found in compost. Tunneling through garden soil, garden earthworms can consume as much as their own body weight in soil each day. Castings they leave behind are five to 11 times richer in nitrogen, phosphorous and potassium than the soil they eat.

The garden earthworm and the compost earthworm, however, are radically different. Although garden or field earthworms (*Allobophora caliginosa*) will penetrate the bottom of a compost pile, they prefer regular soil and will not tolerate active compost with warmer temperatures. Red worms or red wigglers (*Lumbricus rubellus*) and brandling worms (*Eisenia foetida*), however, prefer cooler compost or manure piles and will die off if the compost is too hot.

Specialized bins or boxes (fig. 11) can accommodate worm compost or vermicompost. Red worms and brandling worms prefer temperatures of 50–70°F. Shallow ventilated wooden boxes with lids are first filled with moist bedding (50–75 percent water, by weight) made of peat moss, sawdust or shredded newspaper. Worms are then added and allowed to crawl down through the bedding. Pockets of food waste can be buried in the bedding, and if the bed is kept moist, the worms will eventually turn the food wastes and bedding into a high-quality soil amendment.

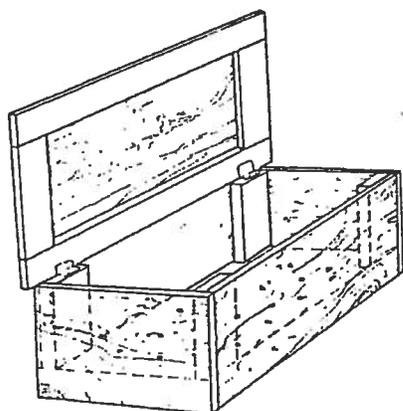


Figure 11. Worm compost box.

COMPOST VALUE AND USES

Finished compost has many uses in the home garden. As it is created from a mixture of plant and animal wastes, it contains a broad base of both macro and micro fertilizer nutrients. Most of these nutrients are bound in an organic form and are made available to plants slowly throughout the growing season.

The relative quantity of any one nutrient found in compost is quite low; thus, the major benefit of compost lies in its soil conditioning qualities. As a rich source of organic matter, it improves the water-holding capacity of sandy soils and their ability to retain nutrients and release them to plant roots as needed.

In heavier clay soils, compost binds clay particles together to form aggregates, improving both water drain-

age and the ability of plant roots to penetrate the soil. Conditioning soil surface layers with compost also will improve water penetration and decrease soil erosion and soil crusting.

As a soil conditioner, compost contributes organic acids that weather mineral portions of the soil, making nutrients more available for plant uptake. Compost also improves the buffering capacity of the soil, helping stabilize soil pH levels. Because earthworms are attracted to organic matter, earthworm populations increase and make more nutrients available from deeper in the soil.

Compost is most frequently applied to garden soils in the spring before planting. Compost should be liberally applied and turned under to a depth of 4–6 in. Gardeners with limited compost should incorporate it only below the seed row. Handfuls of compost also can be incorporated in planting holes for transplants.

Compost makes an excellent top dressing for lawns, trees, shrubs and perennial flowers. Mulches around vegetables and other plants help reduce water evaporation from the soil and cut down on annual weed growth, as well as serving as a slow-release source of nutrients. Compost will also cool the soil and buffer soil water fluctuations.

Acknowledgments

Cooperative Extension Service, Northeast Regional Agricultural Engineering Service, "Composting to Reduce the Waste Stream," NE AES-43.

New Mexico State University is an equal opportunity/affirmative action employer and educator. NMSU and the U.S. Department of Agriculture cooperating.

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Recycling Benefits: The many reasons why

This is where you might expect me to overwhelm you with numbers, figures and facts that are supposed to scare or guilt you into recycling because if you don't the world will end. While it's true that there are numerous downsides to NOT recycling, I like to focus on the positive. So let's discuss recycling benefits.



Economic Recycling Benefits and Facts
information supplied by: National Recycling Coalition

-  Well-run recycling programs **cost less** to operate than waste collection, landfilling, and incineration.
-  **The more people recycle, the cheaper it gets.**
-  Two years after calling recycling a \$40 million drain on the city, New York City leaders realized that a redesigned, efficient recycling system could actually **save the city \$20 million** and they have now signed a 20-year recycling contract.
-  Recycling helps **families save money**, especially in communities with pay-as-you-throw programs.
-  **Well-designed programs save money.** Communities have many options available to make their programs more cost-effective, including maximizing their recycling rates, implementing pay-as-you-throw programs, and including incentives in waste management contracts that encourage disposal companies to recycle more and dispose of less.

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- ♻️ **Recycling creates 1.1 million U.S. jobs**, \$236 billion in gross annual sales and \$37 billion in annual payrolls.
- ♻️ Public sector investment in local recycling programs pays great dividends by **creating private sector jobs**. For every job collecting recyclables, there are 26 jobs in processing the materials and manufacturing them into new products.
- ♻️ Recycling **creates four jobs** for every one job created in the waste management and disposal industries.
- ♻️ Thousands of U.S. **companies have saved millions of dollars** through their voluntary recycling programs. They wouldn't recycle if it didn't make economic sense.

Environmental Recycling Benefits and Facts

Information supplied by: National Recycling Coalition

- ♻️ Recycling and composting **diverted nearly 70 million tons of material away from landfills** and incinerators in 2000, up from 34 million tons in 1990-doubling in just 10 years.
- ♻️ Every **ton of paper** that is recycled **saves 17 trees**.
- ♻️ The energy we save when we recycle **one glass bottle** is enough to **light a light bulb for four hours**.
- ♻️ Recycling benefits the air and water by creating a net **reduction** in ten major categories of **air pollutants** and eight major categories of **water pollutants**.
- ♻️ In the U.S., processing minerals contributes almost half of all reported toxic emissions from industry, sending 1.5 million tons of pollution into the air and water each year. **Recycling can significantly reduce these emissions**.
- ♻️ It is important to reduce our reliance on foreign oil. **Recycling helps us do that by saving energy**.
- ♻️ Manufacturing with recycled materials, with very few exceptions, **saves energy and water** and produces less air and water pollution than manufacturing with virgin materials.
- ♻️ It takes 95% less energy to recycle aluminum than it does to make it from raw materials. Making recycled steel saves 60%, recycled newspaper 40%, recycled plastics 70%, and recycled glass 40%. These savings far outweigh the energy created as by-products of incineration and landfilling.
- ♻️ In 2000, recycling resulted in an annual energy **savings equal to the amount of energy used in 6 million homes** (over 660 trillion BTUs). In 2005, recycling is conservatively projected to save the amount of energy used in 9 million homes (900 trillion BTUs).
- ♻️ A national recycling rate of 30% **reduces greenhouse gas emissions** as much as removing nearly 25 million cars from the road.
- ♻️ Recycling **conserves natural resources**, such as timber, water, and minerals.
- ♻️ **Every bit of recycling makes a difference**. For example, one year of recycling on just one college campus, Stanford University, saved the equivalent of 33,913 trees and the need for 636 tons of iron ore, coal, and limestone.
- ♻️ Recycled paper supplies more than 37% of the raw materials used to make new paper products in the U.S. Without recycling, this material would come from trees. Every ton of newsprint or mixed paper recycled is the equivalent of 12 trees. Every ton of office paper recycled is the equivalent of 24 trees.
- ♻️



When one ton of steel is recycled, 2,500 pounds of **iron ore**, 1,400 pounds of **coal** and 120 pounds of **limestone are conserved**.

-  Brutal wars over natural resources, including timber and minerals, have killed or displaced more than 20 million people and are raising at least \$12 billion a year for rebels, warlords, and repressive governments. **Recycling eases the demand for the resources.**
-  Mining is the world's most deadly occupation. On average, 40 mine workers are killed on the job each day, and many more are injured. **Recycling reduces the need for mining.**
-  Tree farms and reclaimed mines are not ecologically equivalent to natural forests and ecosystems.
-  **Recycling prevents habitat destruction**, loss of biodiversity, and soil erosion associated with logging and mining.

Phew, that was a lot of recycling benefits to absorb and digest. And guess what, I only scratched the surface. But the bottom line is, recycling benefits both the economy AND the environment. And what benefits the economy and environment benefits me **AND YOU!!!!!!!!!!!!** So if you're ready to learn more, read on...

For you information junkies, I've included an even more exhaustive [list of recycling benefits and facts here...](#)

These recycling facts have been compiled from various sources including the National Recycling Coalition, the Environmental Protection Agency, and Earth911.org. While I make every effort to provide accurate information, I make no warranty or guarantee that the facts presented here are exact. We welcome all polite corrections to our information.

Links to our web site are always welcome. Feel free to use any information listed on our site for your own not for profit educational purposes. A link to our site as your source is appreciated.

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TOWN OF NEW CASTLE REFUSE COLLECTION PROPOSAL

ATTACHMENT (C)

MISSION STATEMENT

MOUNTAIN ROLL-OFFS, INC (MRI) IS A LOCALLY OWNED AND OPERATED COMPANY WHOSE GOAL IS TO PROVIDE OUR CUSTOMERS WITH A LEVEL OF SERVICE THAT IS UNPRECEDENTED IN THE WASTE COLLECTION AND RECYCLING SERVICES INDUSTRY. BY MAINTAINING AN ENVIRONMENTALLY CONSCIOUS APPROACH TO WASTE REMOVAL, WE WILL BUILD PARTNERSHIPS IN THE COMMUNITY WHICH WILL ENCOURAGE STRONGER COMMUNITY AWARENESS OF THE NEED TO PROTECT OUR ENVIRONMENT.

CUSTOMER SERVICE STANDARDS

- MRI MAINTAINS ITS TRUCKS AS WELL AS IT'S CONTAINERS TO THE HIGHEST STANDARDS BOTH IN TERMS OF FUNCTION, ABILITY AND APPEARANCE.
- VEHICLES WILL BE WASHED ONCE A WEEK AND AS NECESSARY.
- ALL DRIVERS WILL CARRY CELL PHONES FOR READY COMMUNICATION.
- ALL VEHICLES WILL BE OPERATED WITHIN CITY ORDINANCES AND SHALL OBSERVE ALL SPEED LIMITS AND TRAFFIC REGULATIONS.
- EMPLOYEES WILL BE DRESSED IN A COMPANY UNIFORM THAT WILL INCLUDE ALL NECESSARY SAFETY ITEMS. EMPLOYEES WILL CONDUCT THEMSELVES IN A PROFESSIONAL MANNER. THEY SHALL BE COURTEOUS AND REFRAIN FROM OBSCENE LANGUAGE. THEY WILL WORK SAFELY AND PRODUCTIVELY. DAMAGE TO PUBLIC AND PRIVATE PROPERTY WILL BE AVOIDED AND THEY WILL NOT TRESPASS.
- SAFETY MEETINGS, INCLUDING TRAINING, ARE HELD WEEKLY.
- WE WILL RESPOND TO AND RESOLVE COMPLAINTS WITHIN 24 HOURS.



Your **LOCAL** waste removal & recycling experts
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TOWN OF NEW CASTLE REFUSE COLLECTION PROPOSAL

ATTACHMENT (D)

OFFICE OF THE SECRETARY OF STATE
OF THE STATE OF COLORADO

CERTIFICATE

I, Scott Gessler, as the Secretary of State of the State of Colorado, hereby certify that, according to the records of this office,

Mountain Roll-Offs, Inc.

is a **Corporation** formed or registered on 07/26/2005 under the law of Colorado, has complied with all applicable requirements of this office, and is in good standing with this office. This entity has been assigned entity identification number 20051284793.

This certificate reflects facts established or disclosed by documents delivered to this office on paper through 02/11/2013 that have been posted, and by documents delivered to this office electronically through 02/12/2013 @ 11:43:14.

I have affixed hereto the Great Seal of the State of Colorado and duly generated, executed, authenticated, issued, delivered and communicated this official certificate at Denver, Colorado on 02/12/2013 @ 11:43:14 pursuant to and in accordance with applicable law. This certificate is assigned Confirmation Number 8459405.



A handwritten signature in black ink, appearing to read 'Scott Gessler', is written over a horizontal line.

Secretary of State of the State of Colorado

*****End of Certificate*****

Notice: A certificate issued electronically from the Colorado Secretary of State's Web site is fully and immediately valid and effective. However, as an option, the issuance and validity of a certificate obtained electronically may be established by visiting the Certificate Confirmation Page of the Secretary of State's Web site, <http://www.sos.state.co.us/bis/CertificateSearchCriteria.do> entering the certificate's confirmation number displayed on the certificate, and following the instructions displayed. Confirming the issuance of a certificate is merely optional and is not necessary to the valid and effective issuance of a certificate. For more information, visit our Web site, <http://www.sos.state.co.us/> click Business Center and select "Frequently Asked Questions."



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TOWN OF NEW CASTLE REFUSE COLLECTION PROPOSAL

ATTACHMENT (E)



Alpine Bank

Carbondale

0350 Highway #133
Carbondale, Colorado 81623
970-963-3040
Fax 970-963-9116

February 12, 2013

Town of New Castle
450 West Main Street
New Castle, CO 81647

RE: Mountain Roll-Offs Inc.

To whom it may concern,

I understand that Mountain Roll-Offs Inc. is bidding to obtain the contract to provide trash pickup service for the Town of New Castle. I have spoken with Don Vandevander regarding this transaction and the company and principals involved in it are capable of the additional capital outlay needed for the additional business.

Mountain Roll-Offs has had a long-term banking relationship with Alpine Bank and we value that relationship. Several of the principals in the company have banked with Alpine Bank for 20+ years and I would estimate their total combined relationship years with Alpine Bank at over 100. All individuals have maintained their accounts as agreed and I would consider them valuable customers to Alpine Bank.

If you have any questions please contact me at 970-704-3104 or through email at richardfuller@alpinebank.com.

Sincerely,

Richard B Fuller
President



Your **LOCAL** waste removal & recycling experts
PHONE (970)-963-3435 FAX (970)963-1885

TOWN OF NEW CASTLE REFUSE COLLECTION PROPOSAL

ATTACHMENT (F)

Don Van Devander
1058 County Road 100
Carbondale, Colorado 81623
Phone 970-963-4204 Fax 970-963-3435
Email: MRITRASH@COMCAST.NET

EXPERIENCE

2010-PRESENT MOUNTAIN ROLL-OFFS INC. CARBONDALE, COLORADO

General Manager

Operate and manage solid waste, recycling, roll-off, and liquid waste from Debeque to Vail and Glenwood Springs to Aspen. Responsible for all municipality contracts, brokers, sales team, managerial team, and offices in three Western Colorado locations. Responsible for growth in company of over 300% in just 24 months.

1998-2011 TRADITIONS APPAREL GROUP DENVER, COLORADO

Chief Executive Officer

Operate and Manage a wholesale apparel company from start-up. Responsible for start-up and creation of company along with two partners. Created sales team of 16 for all green grass, hospitality uniforms, hospital uniforms, and licensed sporting goods. Successfully negotiated hundreds of contracts with municipalities, collegiate and professional sports teams, hotel chains, hospitals, and golf course management teams.

1989-1995 PHOENIX SUNS/PHOENIX ARENA SPORTS PHOENIX, ARIZONA

Co-Director of Merchandise and Special Events

Successfully managed division with sales greater than \$25 million per year. Responsible for more than 1,000 large special events including 1993 NBA finals, 1992 MLB All-star Game, 1994 NBA All-star game, 1993 NBA Western Conference Finals, and 1992 Arena Football Championship. Assisted in league contract negotiations for the exclusive merchandise licensing agreement for the Arena Football League, Indoor Tennis, and Indoor Soccer. Successfully managed team of more than 200 employees for three years. Responsible for all financial reporting and event settlement with the City of Phoenix and Maricopa County finance representatives.

EDUCATION

B.S. FINANCE ARIZONA STATE UNIVERSITY TEMPE, ARIZONA

Herman Aardsma
747 Burning Mountain Ave.
New Castle, Co. 81647
(970)309-1101 herman@mrico.net

Qualifications

I have 34 years of experience in the waste industry, 25 years of which have been in management. The last three years have been with MRI. I have extensive experience in the operating side of the business including routing, hiring of employees, vehicle purchase and compliance with all DOT and OSHA regulations. With Waste Management I had various positions including Operations manager of the South Division in Denver. I oversaw 7 Supervisors which managed 54 routes a day, a Waste Transfer Station and Recycling Center and serviced 54,000 residential accounts each week and 8000 commercial accounts each week. I also held a Regional productivity management position where I had 100 divisions in the Western United States. My job was to review operations and make any needed improvements with routing, pay structure, DOT and OSHA compliance.

Work Experience:

March 2010 – Present	Mountain Roll-Offs Inc. 1800 Medicine Bow Ct. Silt, CO 81652 Operations Director
Nov. 2006 – Dec. 2009	Waste Solutions 1058 County Road 100 Carbondale, CO 81623 Operations Manager
Oct. 2005 – Oct. 2006	Hotel Denver 402 7 th Street Glenwood Springs, CO 81601 General Manager
May 1984 – Sept. 2005	Waste Management - Carbondale, CO. (Oct. 2003 – Sept. 2005) General Manager - Chicago, IL. (March 2003 – Sept. 2003) Operations Director – Special Services (Toilets & Street Sweeping) 7 Divisions - Silverthorne, CO. (Nov. 2000 – Feb. 2003) General Manager

- Carbondale, CO. (Sept. 1998 – Oct. 2000)
General Manager
 - Denver – South Division (May, 1993 – Aug. 1998)
Operations Manager
 - Regional productivity Manager (May 1989-May 1993)
Divisions in CO, WY, UT, CA, WA, OR, NM, Alaska
and Provinces of British Columbia and Alberta, Canada
 - Denver – South Division (May 1986 – May 1989)
Operations Supervisor
 - Denver – South Division (May 1984 – March 1986)
Commercial Route Driver
-

Michael P. Gibas

448 Wagon Wheel Circle

New Castle, Colorado 81647

Home: 970-984-0280 Cell: upon request

E-Mail: mike@mrico.net

EXPERIENCE

2008-2012 **Vail Honeywagon** Wolcott, Colorado

Fleet and Facility Manager

Maintain a highly responsible, professional position directing the efficient and effective use of company assets to provide service to Vail Honeywagon customers. Provide the direction for safe, reliable, and economical fleet execution to support company services that are responsive and professional. Direct the maintenance of all facilities to provide a safe and professional environment.

2004-2008 **Clear Creek Disposal** Ketchum, Idaho

General Manager

Operate and manage solid waste, recycling, and liquid waste trucking company in Idaho's premier resort areas. Improve records for DOT files. Design and implement new paperwork between drivers and mechanics shop. Conduct annual audits on all systems (FEL, REL, SL, Recycle, Liquid). Conduct all accident investigations. Create policy and procedure manuals. Complete employee evaluations for annual wage increase.

2002-2004 **MPG Consulting, LLC** Phoenix, Arizona

Owner / General Manager

Consult with construction and solid waste companies in Utah, Colorado, and Arizona concerning safety and regulatory services. Conduct safety and health seminars, internal audits, develop safety plans, and create training manuals.

1990-2001 **Ace Disposal, Inc.** Salt Lake City, Utah

General Manager

Maintain operational and fiscal management of a \$16.0mm waste/ recycling company with 82 employees and 45 trucks. Increased annual revenue nearly 433% over a 10 year span. Reduce annual healthcare expenses. Supervise hazardous fuel tank removal and coordinated operation with EPA.

Successfully negotiated government waste removal contracts with several cities in Utah and Nevada. Streamline billing processes resulting in DSO of approximately 4-5 days. Computerize residential, commercial, and recycling routing systems. Complete overhaul of safety programs. Conduct weekly safety, driver, and tailgate meetings to improve customer satisfaction. Maintain overall responsibilities for billing, operations, safety, sales, office staff, and shop personnel. Implement "Safety on Board" program including: daily and weekly inspections of trucks and all safety equipment, spill kits, medical cards, and performance evaluations.

1983-1990 **Browning-Ferris Industries** Grand Junction, Colorado

District Manager/ Landfill Manager/ Operations Manager

EDUCATION

Ohio University St. Clairsville, Ohio

Belmont Tech

Communications/Engineering St. Clairsville, Ohio

Seible School Of Drafting

Associate Degree Grand Junction, Colorado

Continuing Education

BFI

(Train the Trainer, Defensive Driving, Front-load Safety, Rear-load Safety, Roll-off Safety, Landfill equipment Safety). Sales: BFI training included sales manager, motivational training and role playing.

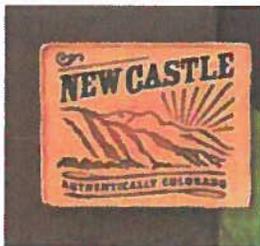
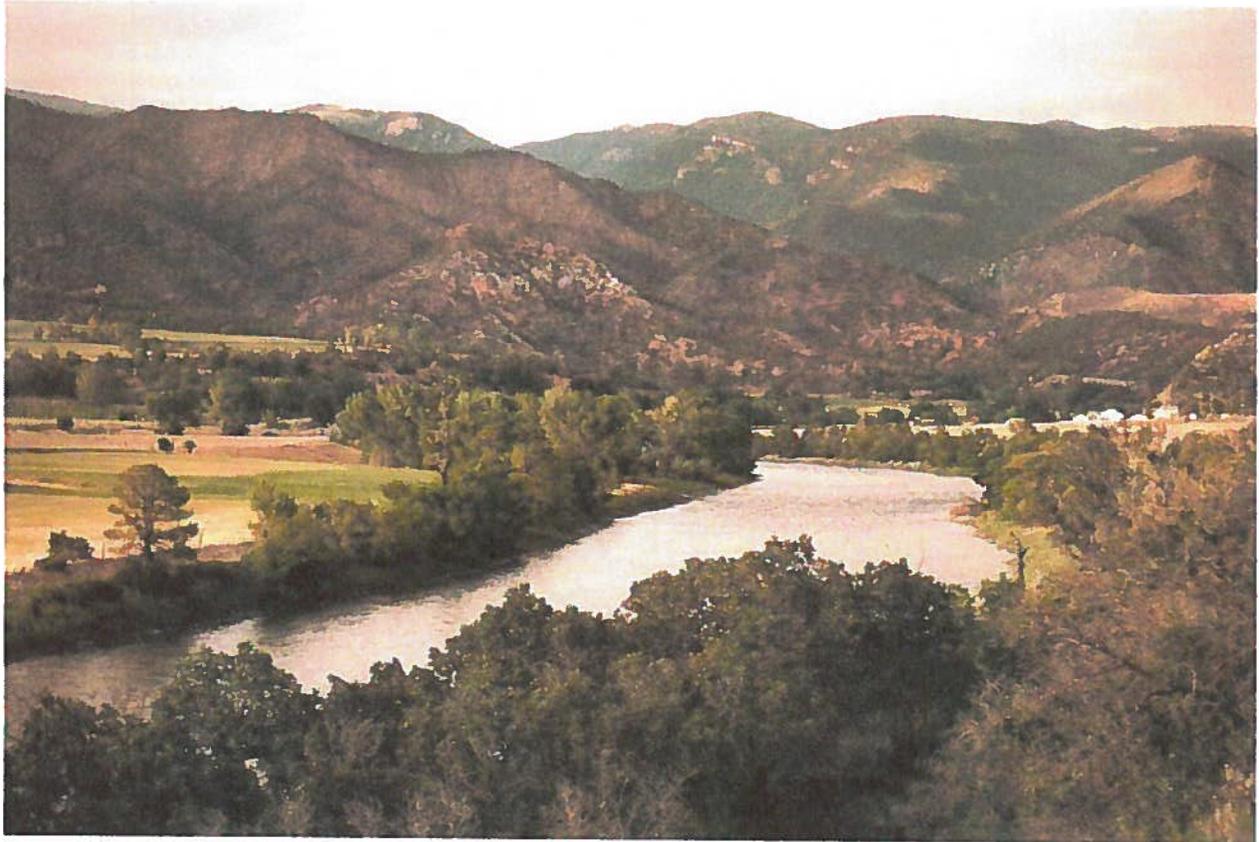
2001 Auto Cad Salt Lake City, Utah

2008 Hazwoper Certification Phoenix, Arizona

REFERENCES

Available upon request

Great Solutions:



The Future of Sustainability in New Castle



February 13, 2013

Tom Baker,
Town Administrator
P.O. Box 90
New Castle, CO 81647

Re: Municipal Trash and Recyclables Collection Town of New Castle, Colorado

Dear Tom:

Waste Management has prepared the following solutions proposal specifically for the Town of New Castle. We understand that New Castle has been working hard to increase its sustainability portfolio. The Town and its residents should be proud of what has been accomplished. From installing photovoltaic panels, recycling wastewater and implementing tiered water rates, New Castle has shown its commitment to adopting environmentally sustainable practices and a willingness to expand responsible environmental practices.

With all the work New Castle has done, doesn't it make sense that your sustainability partners should share your commitment and reflect your values?

We are providing the Town with an option to select one of two service solutions designed to strengthen the Town's recycling and solid waste and collection services, improve productivity and enhance the Town's commitment to sustainability and environmental stewardship. Our programs are designed to deliver the specific benefits the Town has identified as most important, including:

- Effective recycling and diversion programs that incentivize conservation
- Educational programs to increase public awareness of the new program
- Improved reporting showing accurate baseline data and tangible outcomes
- Providing an option for implementing an innovative Pay-as-you-Throw program for New Castle

We strongly believe that our long-term recycling and disposal solutions, sustainability initiatives, world-class customer service programs, and the value added programs that we have outlined below are without equal in the solid waste/environmental solutions industry. If you have any questions, please do not hesitate to contact me at 907-589-0896.

Sincerely,

Aron Diaz
Waste Management of Colorado

EXECUTIVE SUMMARY

As New Castle has grown and diversified, so has its interest in sustainability services. Waste Management understands this desire to be on the forefront of innovation in providing sustainable solutions. For the Town of New Castle (the Town) we have provided two options either of which will present a marked improvement over the Town's current trash and recycling service.

In the first option, Waste Management will provide all residents a 96 gallon wheeled toter for trash and a 96 gallon wheeled cart for single-stream recycling. This option will improve recycling by making it easier for the residents of New Castle. With single-stream recycling all recyclable material will be collected in one bin eliminating the need to separate material into different collection tubs. Additionally, as is described in the recycling section, Waste Management accepts more material in its collection stream than other providers in the area. More material with a larger bin and a simpler collection method means greater diversion for New Castle.

Our second option provides New Castle with a real Pay-As-You-Throw program designed to economically incentivize diversion and reward recycling. This option would create tiered pricing for trash collection. Recycling prices would be imbedded into the collection prices just as in the first option. Waste Management would provide residents with a choice of a 96, 64 or 32 gallon toter for trash. All residents would receive a 96 gallon lidded single-stream recycling toter. Pay-As-You-Throw (PAYT) changes the dynamic in how service is billed to the customer which we go into in greater detail below, however if you choose this program, we believe you will see approximately 30% of the population choose the 96 gallon option, 40% at 64 gallons and the remaining 30% saving the most at 32 gallons.

We have also provided additional service offerings that will increase the incentives and ability of residents to divert more, including:

- To ensure New Castle's compliance with new Colorado State Law, we will offer the Town an electronic recycling event in conjunction with the Town's annual clean-up week.
- Offering an optional recycling incentive program that may be added to the offered service, which would reward residents for recycling and generate incentives for residents to spend money in New Castle!
- Improving reporting and auditing of New Castle's waste streams to track and monitor the efficiency of your diversion program

Waste Management is excited about becoming New Castle's partner in achieving measurable progress towards real diversion and increased recycling. Our only objective is ensuring New Castle's ability to succeed in this endeavor.

QUALIFICATIONS OF CONTRACTOR

Waste Management of Colorado is incorporated in the State of Colorado and provides collection, recycling and disposal services to more than 190,000 municipalities, commercial, industrial and residential customers throughout 41 counties in Colorado. The company employs approximately 1,200 full and part-time personnel, and has been servicing Colorado for over 30 years.

In our 30-year history, Waste Management has always been and continues to be in good standing with the State of Colorado. Furthermore, Waste Management maintains a Satisfactory Carrier Safety Rating by the US Department of Transportation - documentation for both items available upon request.

The Town of New Castle will be serviced from our facility located in Carbondale, Colorado.

Waste Management of Colorado, Inc.

0062 County Road 113

Carbondale, CO 81623

Contact Name: Aron Diaz

Contact Phone: 970.589.0986

Email: ddiaz@wm.com

While we have the resources of a national company, make no mistake about it our heart is local, when you really think about it, the waste industry by its very nature is inherently local. Waste Management's recycling plants, our operations, our equipment, and the people who make us who we are, are all right here. Of note, Waste Management maintains an open door policy at all our facilities, thus Town staff and elected officials are always welcome.

In fact, Waste Management has serviced over 5000 customers in Garfield County for the past 10 years. We have been pleased to support comprehensive recycling in the region becoming the first to offer curbside single-stream recycling and expanding that stream to include #1-7 plastics, glass and cardboard note **Attachment A**. Furthermore, Waste Management employs over 30 people in the area, and takes great pride in the community, investing time and resources to support the area where we both live and work.

With Waste Management's long-term commitment to the region, our experience and financial stability, you can feel confident in relying on us to meet your needs now and in the future.



Waste Management is the most committed collector and processor of recyclable material in the industry handling more recyclable material than any other entity. Our stated mission is to triple the amount of material we are recycling by 2020 and Waste Management will accomplish this goal by knowing more about our customer's waste stream than anyone else. Nationally, hundreds of municipalities rely on WM for their Recycling and other waste management needs.

WASTE MANAGEMENT'S STANDARD SERVICE (OPTION 1)

Residential Collection

Waste Management will provide all residents with a 96 gallon wheeled green-lidded toter for trash and a second 96 gallon wheeled yellow-lidded toter for recyclables. Trash will be collected and disposed of at the South Canyon landfill. Processing of recyclables shall be done in the manner described below.

Collection of Town Facilities

Collection of all Town facilities will be handled in a similar fashion as the residential collection. Appropriate sized containers and frequency will be employed to ensure safe and proper collection of all refuse. Recycling will be made available at Town offices as well.

PAY-AS-YOU-THROW (OPTION 2)

How it Works:

If the Town decides to select this innovative option, residents of New Castle would have the option of choosing a 96, 64 or 32-gallon container for trash and all customers would receive a 96 gallon container for recycling. Because they have different sized containers there will be different prices charged to each household based on the size of their container. This is done to incentivize greater participation in recycling and to drive up New Castle's diversion rate.

A 90-day grace period would be offered to allow residents to make sure they had the right sized container. During this time they could change their container size up or down once to the appropriate size. After the grace period, a \$35 change fee would be charged individually to households that needed to change the size of their container.

What is Pay-As-You-Throw?

Pay-As-You-Throw or PAYT is a system whereby residents pay for trash disposal fees based on the volume they produce instead of a flat rate. This approach looks at trash service like other utilities such as water and sewer service or electricity billing.

This system, by charging residents just for what they use, is being championed by sustainability experts across the country for several reasons:

- First it provides an economic incentive to reduce the amount of trash being fed into local landfills. Less waste and more recycling mean that fewer natural resources need to be extracted. In addition, greenhouse gas emissions associated with the manufacture, distribution, use, and subsequent disposal of products are reduced as a result of the increased recycling and waste reduction PAYT encourages. In this way, PAYT helps slow the buildup of greenhouse gases in the Earth's atmosphere which leads to global climate change;
- Second it provides economic benefit for the Town's residents by allowing them to control their fees; and
- Finally, PAYT is inherently fair. When residents pay a flat fee for their trash and recycling service, residents who recycle subsidize the wastefulness of their neighbors who don't participate in the recycling part of the program.

The Town of New Castle has proven itself as a sustainable leader in the Garfield County area. Partnering with Waste Management to implement a PAYT system renews New Castle's commitment to sustainability by enabling the Town's residents to actively participate in increasing their diversion rates and increasing their recycling options and efficiency.

The essence of New Castle's Climate Action Plan is "Lead by Example". PAYT is a strong statement that New Castle is serious about strengthening its image as a green community that is committed to attracting green and sustainable enterprises.

Critics of a program of this type may say that charging residents for what they use could cause people to illegally dump their excess trash in rural areas. However, illegal dumping is more typically a symptom of limiting *what* can be disposed of not *how much* can be disposed of in a given week. Waste Management will continue to collect bulk and hard to dispose of items on an appointment basis. Our expanded collection, recycling, Town Clean-up and Electronics recycling event will afford New Castle residents with a variety of opportunities to dispose of their waste easily and responsibly.

Though this is new way to service trash and recycling in our area, PAYT is something Waste Management has done for a long time. Across the North America, no other company operates more successful municipal PAYT programs than Waste Management. That means as New Castle works to implement this innovative approach to collecting, processing and disposing of its municipal solid waste it will have the most experienced and capable partner in the industry as a partner.

SINGLE-STREAM CURBSIDE RESIDENTIAL RECYCLING

The following information regarding recycling is relevant no matter which trash collection option the Town chooses to employ. By increasing the size of the current container used in New Castle from 18 gallons to 96 gallons, a 500% increase, we believe every-other week recycling collection would be a preferred option for the Town reducing truck traffic and emissions while servicing the Town.

Improved Recycling in New Castle

New Castle already receives curbside residential recycling, but Waste Management is now offering to New Castle residents an easier way to recycle - Single-Stream. Currently, the only other municipality in Garfield County offers Single-Stream Recycling to its residents is the Town of Silt where the Town has seen recycling participation rates double since introducing this service. Additionally, since the material we collect will ultimately be processed at Waste Management's facility in Denver, we will be able to broaden our list of recyclable items accepting more material than any other provider in the valley. **(Please see Acceptable Recyclables List Attachment A)**

Curbside Single-Stream Recycling Service

One of the largest impediments to gaining residential participation in any successful curbside recycling plan is complexity of the program. Waste Management's single-stream recycling program is the easiest and most customer friendly way to recycle. Our recycling program will be convenient and efficient by allowing residents to place all recyclable material into one specially marked, easy to maneuver, 96-gallon bin.

- There is no sorting.
- No more multiple bins.
- No confusion about what materials can be mixed.
- Simply place all recyclables into the provided bin and roll it out to the curb along with your trash on your collection day.



OVERVIEW OF WASTE MANAGEMENT'S RECYCLING AND SORTING PROCESS, AND THE MARKETING OF THE SORTED MATERIALS

Detailed Information on Management of Recyclables

All recyclable materials collected shall become the property and responsibility of Waste Management. The recyclables will be transported to our Waste Management owned and operated Transfer Station in Basalt, combined with other recyclables from the area and then prepared for shipping to our Materials Recovery Facility (MRF) in Denver. The MRF's operation complies with all local, state, and federal requirements. The facility processes approximately 600 tons of recyclables per day from over 20 counties and thousands of businesses. The recyclable materials are sorted, baled, and marketed to various mills and companies for further processing and reuse. You can rely on the recyclables to be collected, processed and shipped to contracted mills and end users from our Waste Management owned MRF. This cradle to grave recycling process is unique to Waste Management. Though many companies claim to offer this standard of service, Waste Management is the only company able to deliver on this commitment on the Western Slope.

Choosing Waste Management means you choose to be engaged in the recycling process from pick up at your curb to the materials final destination. Waste Management is the only recycler in the State of Colorado that offers comprehensive recycling – no third parties needed to ensure that New Castle's recycling program is effective, seamless, and meets the Town's needs. It also means that you will have the confidence that when you are asked by residents whether your materials are actually recycled, you can answer with a resounding "YES!"

In fact, in 2011 the Ethisphere Institute – an institute dedicated to the research, creation, and sharing of best practices in ethics, compliance, and corporate governance – recognized Waste Management's commitment to environmental leadership and sustainability, by naming Waste Management as one of the most ethical companies in the world.

UNIT PRICING

Option One

In option one each resident would receive a 96-gallon toter for trash and 96-gallon toter for single-stream recycling.

- Price per household: \$15.61 per month for weekly trash and every-other week recycling collection.
- Price per senior household: \$12.15 per month for weekly trash and every-other week recycling collection.
- *If residents required an additional toter for trash they would be charged an additional \$12.49 per month.*

Option Two (Pay-As-You-Throw)

In this option residents would be able to choose one of the following options:

- 96-gallon toter for trash and 96-gallon toter for single stream recycling: \$20.24 per month (We estimate that 30% of residents or 365 households will select this option)
- 64-gallon toter for trash and 96-gallon toter for single-stream recycling: \$15.18 per month standard and \$12.90 senior rate per month (We estimate that 40% of households or 486 standard and 75% or 93 senior households will select this option)
- 32-gallon toter for trash and 96-gallon toter for single-stream recycling: \$11.39 per month standard and \$9.68 senior rate per month (We estimate that 30% of households or 365 standard households will select this option and 25% or 31 senior households will select this option)

*In the PAYT option, since incentivizing diversion is the goal, only residents who have a 96 gallon toter would be eligible to receive a second container. The charge for this extra container would be \$15.24 per month.

Other Services

- **\$234.00/pull** - 40 yard container for bi-annual Town Clean-up week. **The first Clean-up pull would be FREE**
- **\$125.00/pick-up** - 5 yard container for bio solid cake from the Wastewater treatment plant
- **\$90.20/month** - 2 yard container per month for weekly pickup at Town Facilities
- **\$100.80/month** - 3 yard container per month for weekly pickup at Town Facilities
- **\$116.80/month** - 4 yard container per month for weekly pickup at Town Facilities
- **\$143.30/month** - 6 yard container per month for weekly pickup at Town Facilities
- **\$525.00/month for 6 units** - Per month to service 6 town-owned porta-potties located in the Town parks, cemetery, etc. Service to be performed on a weekly basis.
- **\$95.50/month** - Per month to lease and service 2 porta-potties. Service to be performed on a weekly basis. One porta-potty from March through November, the second from May through July
- **\$191.00/month** - Per month to service 2 town-owned concrete vault toilets located in the Town parks. Cleaning Service to be performed on a weekly basis, pumping service to be performed on an as needed basis.

VEHICLE USAGE

Waste Management will be using a manual and automated side-load truck to collect trash throughout New Castle. We will be using a semi-automated residential front-load truck with a Currotto can attached to the forks for collecting single-stream recycling.

Incident Reporting

Prevention of all incidents is a fundamental element of Waste Managements commitment to excellence. When incidents occur, they are thoroughly investigated and documented by our Route Managers who have received extensive training in incident investigation. The collected information is then immediately conveyed to Gallagher Basset, one of the nations leading third party claims administrators, for rapid professional review and disposition. Incident information is also tracked in our AIMS (Accident Injury Management System) software for analysis and use with targeted training and prevention as well as accountability.

An accident review board consisting of five managers/supervisors and the employee involved reviews all incidents, regardless of fault. The purpose of the board is to analyze every incident to determine root and contributing causes, preventability and appropriate policy/procedural changes, retraining for the individual/group, and discipline. Incident facts are reviewed in the next safety meeting, preventative measures are implemented and, if the incident is determined to be preventable by a Waste Management employee, they will enter the Multiple Incident Intervention Plan (MSIIP) pipeline.

Material Spillage

In the event of any waste spillage from the collection trucks, or from collection containers caused by the driver, the driver will immediately clean up the litter in a professional manner, and in compliance with all local and EPA standards. However, the driver will not be required to collect or clean up material that has not been placed properly in an approved container. The driver will also immediately clean up any fluid leaks emanating from the collection equipment, including, but not limited to hydraulic fluids and oil. All Waste Management drivers are trained in the proper handling and prevention of material spillage. All vehicles are equipped with spill cleanup kits and all required Colorado Department of Transportation (C.D.O.T.) safety equipment.

OUTREACH AND EDUCATION

Waste Management is prepared to fully support the promotion and education of the Town's new trash and recycling program and added value features. Through the use of our years of experience servicing communities throughout the country, Waste Management can prepare the most comprehensive communications plan available, including:

- Advance notice of recycling services, including a pick-up schedule and list of acceptable items;
- Development of a comprehensive public relations plan, in conjunction with the Town, designed to inform, educate, and ultimately increase diversion rates;
- Provide tours of our facilities and
- Furthermore, Waste Management is happy to participate in all public informational meetings required by the Town.

REPORTING

Waste Management understands the importance of tracking the volume of recyclables collected and, subsequently, the successful impact New Castle's recycling program will have on the community and the Town's sustainability goals. We will work closely with the Town to audit waste streams and point out areas for improved diversion or right-sizing of equipment or containers to optimize service to the Town.

With that in mind, Waste Management has the capability to separately track the volume of trash generated under a municipal agreement with the Town of New Castle. This will be easily accomplished, as Waste Management disposes the Town's waste at the South Canyon Landfill, and a Waste Management Materials Recovery Facility, (MRF) with access to tonnage reports. Reporting is easily accomplished as Waste Management has the capability to translate this information into positive environmental impacts for the Town specifically, including landfill diversion rates.

See Attachment B - Sample Diversion Report

See Attachment C – Sample Green Facts

CUSTOMER SERVICE

Customer Services Hours and Response Standards

We do not use automated answering machines during our normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday and Saturdays from 8:00 a.m. to 12:00 p.m. The representatives respond to all phone calls in a courteous and timely manner and ensure that service issues and requests are resolved to the customer's satisfaction the same day or within twenty-four hours at the latest. If a resident calls after hours, an automated answering system will allow them to leave their information. This correspondence is reviewed and dispatched first thing the following day. A two-way radio dispatching system connecting our drivers to our main office and dispatch center, allows for quicker communication and resolution of service issues and callback requests.

Missed Pickups

The Customer Service Center is equipped with the latest technology for immediate access to customer service information and direct communication with our drivers. Missed pick-ups and service complaints are permanently logged with the customer's information and the nature of the complaint for reference and follow-up. Our system allows us to track customer issues by driver and route so that recurring service issues can be identified and corrected. A summary of resolution is prepared and provided to the Town upon request. It is standard procedure for our drivers to call in at the end of each day to check for missed pick-ups. If there is a miss, the driver will return to collect the waste prior to the end of the day.

Service to the Town, Key Personnel and Resumes

Aron Diaz – Public Sector Services Representative

Aron Diaz is the Public Sector Services representative for Waste Management on the Western Slope. He is responsible for the development and administration of municipal contracts for residential solid waste collection and disposal services and recycling programs for the Western Slope of Colorado. Diaz has an extensive background in developing and establishing effective rapport with elected city officials and administrative staff and maintenance of public and intergovernmental relations. His expertise in both public and intergovernmental relations has provided him high professional regard.

Travis Burke - District Manager

Travis Burke is the Manager of Operations for hauling sites in Carbondale and Gypsum Colorado, covering western Colorado, spanning from Aspen to Glenwood Springs, and from Vail to Parachute. Burke is responsible for the overall operations including but not limited to routing, customer service, compliance, safety, equipment maintenance, purchasing, and community and customer relations. Burke has 15 years of experience in the Waste Industry and has been with Waste Management over 10 years. Before his District Manager role, Burke was a Route Manager for Waste Management of El Cajon California where he supervised 28 drivers and the associated routes. Prior to joining Waste Management, Burke worked for Roto Industries a trash cart manufacturer from 1999 to 2001. He was a sales representative that worked closely with trash haulers throughout the country.

Susan Schmit-Farmer - Route Manager

Schmit-Farmer is the Route Manager for the residential and commercial operations in Carbondale. She is responsible for customer service, community and customer relations, compliance, safety, equipment and the daily management of 38 employees. She has two years of experience with Waste Management. Prior to joining the Waste Management team, she was the Director of Human Resources for one of the largest candy manufacturers in the world. She has 28 years of experience working with management and operations in the development of successful communication, safety and personnel programs for work teams in manufacturing, transportation and finance.

Tiffany Moehring - Manager of Communications

Tiffany Moehring is the Manager of Communications for the Colorado area. Moehring is responsible for overseeing and managing public relations and marketing activities for the market area. She has an extensive background in the fields of communications, marketing and education. Prior to joining Waste Management, Moehring formerly managed her own public relations consulting company, Do Good Communications, which worked with corporate and non-corporate clients to develop, implement and manage socially responsible and environmentally focused public relation, communications and marketing efforts. In addition, Moehring has worked as a supervisor for the AmeriCorps*National Civilian Community Corps, as the Director of Marketing and Communications for Denver Parks and Recreation, and as a communications manager for the University of Denver's Learning Communities and Civic Engagement Department.

ADDED VALUE SERVICES

Electronics Recycling

On April 20, 2012, Colorado Governor Hickenlooper signed *Senate Bill 133 - Recycle Electronic Devices Divert From Landfills* – into law. The law states:

- Certain consumer electronic devices are prohibited from being disposed in landfills;
- Beginning July 1, 2013, state agencies must arrange for the recycling of such devices with a certified recycler;
- The department of public health and environment must coordinate with existing public and private efforts pertaining to the development and implementation of a public education program regarding electronic device recycling.

What does this Mean to New Castle?

Local governments are balancing and/or addressing current and emerging trends, a struggling economy, and internal/external pressures to develop and implement sustainability programs in a number of ways:

1. Doing nothing
2. Adapting after the fact – wait until outside forces – per the legislation – require action in your community and then find the resources and solutions to address the issue
3. Taking a piecemeal approach – instituting sustainability goals and diversion programs in a disjointed fashion – often driven by public pressure for municipalities to “do something”
4. Exploring new partnerships with visionary solution providers, like Waste Management

Electronic Waste Collection Event

Waste Management is therefore pleased to offer one (1) eCycling (electronic waste recycling) event annually - at NO COST to the Town - *as a means to properly handle and recycle residential electronic waste. Waste Management will provide the Town with an annual electronic waste collection event at a date and time to be mutually determined and agreed upon by both parties. The event will be a pay per item type of event for participants, but will be of no cost to the Town.*



Why recycle your electronics with Waste Management?

As the nation's leading ethical recycler of electronic waste, Waste Management is one of the nation's largest recyclers, and is a certified ISO 9001 and 14001 Certified, R2, e-Steward[®], and RIOS Certified e-waste processor and a founding member of the Basel Action Network's E-Certified e-waste processor and e-Stewards Program. The full list of certifications include:

- ISO 9001
- SO 14001
- e-Steward[®] (BAN)
- R2
- RIOS

In fact, in August 2002, Waste Management was the first recycler to release an environmental stewardship pledge for how we manage and market electronic products and components. The pledge can be found on http://www.recycleamerica.com/business/gen_escrap/pledge.asp. Moreover, we can proudly say that Waste Management's e-waste program provides unequalled commitment to quality and environmental responsibility.

Benefits to the Town of New Castle:

- Keeps the Town at the forefront of compliance!!
- Puts the Town in a position of leadership amongst its peers
- Advances New Castle's sustainability marketability by reducing the amount of waste destined for a landfill
- Such an event would be of NO COST to the Town
- Reduces the possibility of illegal dumping of these items
- The Town can be confident they are partnered with a certified recycler.

Benefits to the Resident:

- Helps individual residents reduce waste
- Residents can be confident that they are recycling with a fully certified recycler
- The event is a cost effective solution for residents

- The event makes doing the right thing easy!

Recycling Incentive Programs

The solutions provided above present an improvement over current service provided to the Town. They also create a real opportunity for the Town to leverage its sustainability efforts to promote the Town with new businesses looking to relocate in the area or strengthen the ability of current businesses to meet their sustainability goals. They also encourage residents to divert more of their waste and recycle more.

However, Waste Management would like to develop additional incentive programs along with the Town that will not only incentivize greater landfill diversion rates but also specifically incentivize residents to spend money in New Castle.

Waste Management has a variety of options that may work with the Town to achieve these ends that are practical, easy and can be co-branded with the Town.

Innovative Programs

Most people identify us by our green trucks and green bins. They think of us as a garbage company. But today's Waste Management is much more than that. We are an environmental solutions company that provides resource sustainability for families, businesses, and municipalities. We are committed to helping our customers thrive and prosper through business practices that reflect social responsibility and environmental excellence.

Our company's sustainability goals reflect many of the values expressed by the Town of New Castle. For example, Waste Management is:

- Collaborating with information technology experts to create routing efficiencies reducing the carbon footprint of our operations.
- Building infrastructure and partnerships to expand access to recycling
- Educating and engaging with business, residential, and municipal customers to maximize waste reduction and diversion by changing the way they think about waste
- Protecting wetlands and wildlife
- Implementing aggressive internal sustainability programs for our own operations



- Investing in clean, alternative ways to turn waste into energy

ADDITIONAL ITEMS

Inclement Weather

During inclement weather conditions, Waste Management will make all reasonable efforts to continue collection services. In the event that inclement weather conditions or situations beyond our control should prevent Waste Management from performing collections in a safe manner, the Town will be notified of the situation immediately when it becomes known and a contingency plan will be established agreeable to both the Town and Waste Management. Waste Management also uses an out-dial system to notify customers of service interruptions, and could implement this program within the district with the approval of the Town .

If delays occur, all services will typically resume the following day or when weather conditions will permit safe operations to continue, with the remaining week's pick-up quickly following until completed.

Service Flexibility

Waste Management will provide consistency and dependability in its pick-up schedule. Changes in regular collection routes or schedules may be requested, as needed, to maintain efficiency and productivity. Routing and scheduling changes will be made only where necessary to provide consistent quality service upon commencement of Waste Management service and as the Town continues to grow. Waste Management will review and seek approval for any proposed day changes with the Town at least 30 days prior to changes being made, and will communicate any necessary changes to residents using the most appropriate method(s) including Town offered information distribution system(s).

Fuel Protection

Waste Management is committed to controlling costs so we can continue to provide our customers with the best overall value in waste related services. However, rising fuel prices is something we cannot control and is impossible to predict. The fluctuation in the cost of diesel fuel today makes it difficult for our company to recover fuel expenses in standard operating margins. In addition, the third party vendors that transport our waste are charging us a fuel surcharge or additional price for increased fuel costs. The fuel protection is meant to help us cover these increased costs and achieve an acceptable operating margin.

The fuel protection calculation would be tied directly to the Rocky Mountain average price of diesel fuel as reported weekly by the U.S. Department of Energy ("EIA/DOE") in its Weekly Retail On-Highway Diesel Prices Index. This diesel price index is objective, publicly available,

and widely recognized in the trucking and transportation industries. *Any ensuing changes in diesel fuel prices, either up or down, would be calculated on the 52 week average of the prior calendar year*, adjusted during the annual rate adjustment process on the anniversary date of the agreement to avoid monthly fluctuation of the bill. We believe a fuel protection provision is the fairest method of dealing with future fuel prices because the Town would pay a fuel surcharge that is adjusted annually easy to calculate, and equitable to the Town and our company.

Consumer Price Index

The compensation payable to the Contractor shall be adjusted upward annually on the anniversary date of the contract to reflect changes in the cost of doing business, as measured by fluctuations in the Consumer Price Index (CPI) published by the U.S. Department of Labor, Bureau of Labor Statistics for the Urban Consumers West Coast for all Items pending an annual review with the Town. Any percent change in the CPI shall equal the percent change in the collection rate, with a floor no lower than 0% per year.

IN SUMMARY

This proposal details Waste Management of Colorado's solutions for addressing New Castle's long-term waste and recycling needs. Waste Management has designed this program to achieve the optimum balance between service, price and convenience. Including offering Pay-As-You-Throw for the first time in Garfield County. All of these services are supported by the strength and experience of North America's leading waste services company and are backed by the waste industry's most comprehensive Service Guarantee.

If the Town has any questions about any aspect of this proposal or would like to discuss any topic in greater detail, please feel free to contact Aron Diaz at 907-589-0896. Otherwise, Waste Management of Colorado looks forward to working with the Town of New Castle to finalize the design of its solid waste and recycling services program and to completing all necessary contractual documentation. Thank you.

ATTACHMENT A- ACCEPTABLE RECYCLABLES

Waste Management shall collect acceptable recyclable materials from residents at the curb and deliver the materials to our Material Recovery Facility (MRF) located in Denver for processing. Waste Management shall collect recyclables every other week.

Waste Management is pleased to offer the Town the following acceptable items, including a new item, Tetra and Aseptic containers. Furthermore, the red highlighted items include acceptable recyclable material that is beyond the Town's current collection of acceptable items. The complete list of acceptable items include:

Recyclable materials included in recycle stream	Subcategory	Possible End Products
COMMINGLE CONTAINERS		
Plastics	#1 PET	Soda bottles, carpeting, clothing and insulation
	#2 HDPE	Milk and orange juice containers
Mixed Plastics	#3 PVC/ Mixed Plastics	House siding
All collected and recycled together	#4 LDPE Mixed Plastics	Plastic lumber
	#5 PP Mixed Plastics	Coffee cup lids and new paint buckets
	#6 PS Mixed Plastics	Styrofoam
	#7 OTHER Mixed Plastics	Food containers
Glass bottles & jars	Brown	New glass bottles, insulation and roofing shingles and aggregate
	Clear	
	Green	
	Blue	
Metal	Aluminum	New aluminum cans, foil etc.
	Tin	New tin cans
Paper	Newsprint	New newsprint/ insulation
	Magazines/Catalogs	Insulation, paper towels and tissue paper
	Copy & note paper	Paper towels and tissue paper

	Envelopes with or w/o windows/ junk mail	Same as above
	Paperboard - Boxes that are not coated in wax (e.g., cereals, crackers, pasta)	New OCC and cardboard boxes
	Corrugated cardboard	New boxes
	Telephone books	Insulation
New! - Tetra and Aseptic	Carton packaging commonly used in fruit juices, iced tea, energy drinks, meal replacements, boxed and bagged wine containers, and with non- refrigerated dairy drinks packaging.	News print

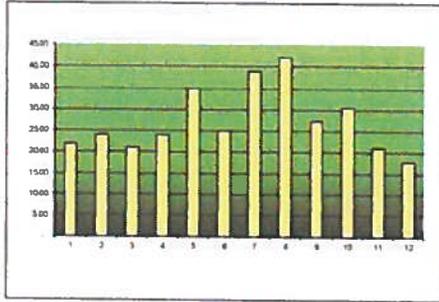
ATTACHMENT B – SAMPLE DIVERSION REPORT

YEAR TO DATE DIVERSION REPORT - 2012

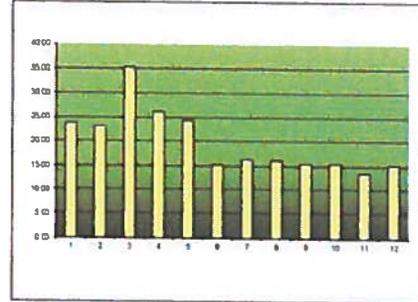
Diversion Tons

Material	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
MSW	21.80	23.94	21.10	23.90	34.86	25.03	39.00	42.30	27.24	30.41	21.00	17.90	328.48
Recycle	23.80	22.99	35.35	26.00	24.26	15.12	16.44	18.02	15.48	15.45	13.52	15.10	239.53
Total Combined	45.60	46.93	56.45	49.90	59.12	40.15	55.44	58.32	42.72	45.86	34.52	33.00	568.01
Diversion %	52.19%	48.99%	62.82%	52.10%	41.04%	37.66%	29.65%	27.47%	36.24%	33.69%	39.17%	45.76%	42.17%

MSW



Recycle



ATTACHMENT C – GREEN FACTS



Green Facts for December of 2012 December Recycling Benefits for City of Ouray

In December we recycled 15 tons of aluminum, cardboard/paper, scrap metals, glass, and plastics



These recycling efforts conserved the following resources:



156 Mature Trees were Saved

Representing enough saved timber resources to produce more than 1,930,700 sheets of newspaper!



51 Cubic Yards of Landfill Airspace

Representing enough airspace to fulfill the municipal waste disposal needs for 65 people for one year!



55,790 Kw-Hrs of Electricity from Recycling

Enough power to fulfill the annual electricity needs of more than 4 homes!



29 Barrels of Oil

Representing enough energy to heat and cool more than 6 homes for one year!



Avoided 533 Metric Tons (MTCO₂E) of GHG Emissions

The recycling of these materials prevented these GHG emissions!



85,617 Gallons of Water

Representing enough fresh water to meet the daily fresh water needs of more than 1,141 people!

Sources: U.S. Environmental Protection Agency, International Aluminum Institute, National Association for PET Container Resources, Institute of Scrap Recycling Industries, Earth Works Group Recycler's Handbook, One Earth Recycle, Bring Recycling.org, National Recycling Coalition, US Forest Products Laboratory, Wheelabrator Technologies, and Waste

ATTACHMENT E-FINANCIAL STATEMENTS

The following is a selection from our latest financial report. To view the document in its entirety please log on to <http://investors.wm.com/phoenix.zhtml?c=119743&p=irol-reportsannual> for the full report.

Item 6. Selected Financial Data

The information below was derived from the audited Consolidated Financial Statements included in this report and in previous annual reports we filed with the SEC. This information should be read together with those Consolidated Financial Statements and the notes thereto. The adoption of new accounting pronouncements, changes in certain accounting policies and certain reclassifications impact the comparability of the financial information presented below. These historical results are not necessarily indicative of the results to be expected in the future.

	Years Ended December 31,				
	2011(a)	2010(a)	2009(a)	2008	2007
	(In millions, except per share amounts)				
Statement of Operations Data:					
Operating revenues	\$13,378	\$12,515	\$11,791	\$13,388	\$13,310
Costs and expenses:					
Operating	8,541	7,824	7,241	8,466	8,402
Selling, general and administrative	1,551	1,461	1,364	1,477	1,432
Depreciation and amortization	1,229	1,194	1,166	1,238	1,259
Restructuring	19	(2)	50	2	10
(Income) expense from divestitures, asset impairments and unusual items	10	(78)	83	(29)	(47)
	<u>11,350</u>	<u>10,399</u>	<u>9,904</u>	<u>11,154</u>	<u>11,056</u>
Income from operations	2,028	2,116	1,887	2,234	2,254
Other expense, net	(508)	(485)	(414)	(437)	(505)
Income before income taxes	1,520	1,631	1,473	1,797	1,749
Provision for income taxes	511	629	413	—	540
Consolidated net income	1,009	1,002	1,060	1,128	1,209
Less: Net income attributable to noncontrolling interests	48	49	66	41	46
Net income attributable to Waste Management, Inc.	<u>\$ 961</u>	<u>\$ 953</u>	<u>\$ 994</u>	<u>\$ 1,087</u>	<u>\$ 1,163</u>
Basic earnings per common share	<u>\$ 2.05</u>	<u>\$ 1.98</u>	<u>\$ 2.02</u>	<u>\$ 2.21</u>	<u>\$ 2.25</u>
Diluted earnings per common share	<u>\$ 2.04</u>	<u>\$ 1.98</u>	<u>\$ 2.01</u>	<u>\$ 2.19</u>	<u>\$ 2.23</u>
Cash dividends declared per common share	<u>\$ 1.36</u>	<u>\$ 1.26</u>	<u>\$ 1.16</u>	<u>\$ 1.08</u>	<u>\$ 0.96</u>
Balance Sheet Data (at end of period):					
Working capital (deficit)	\$ (689)	\$ (3)	\$ 109	\$ (701)	\$ (118)
Goodwill and other intangible assets, net	6,672	6,021	5,870	5,620	5,530
Total assets	22,569	21,476	21,154	20,227	20,175
Debt, including current portion	9,756	8,907	8,873	8,326	8,337
Total Waste Management, Inc. stockholders' equity	6,070	6,260	6,285	5,902	5,792
Total equity	<u>6,399</u>	<u>6,591</u>	<u>6,591</u>	<u>6,185</u>	<u>6,102</u>

(a) For more information regarding these financial data, see the *Management's Discussion and Analysis of Financial Condition and Results of Operations* section included in this report. For disclosures associated with the impact of the adoption of new accounting pronouncements and changes in our accounting policies on the comparability of this information, see Note 2 of the Consolidated Financial Statements.