



T E N N E S S E E

# Recycling

R E P O R T

**MARCH 2006**

March 2006  
Vol. 16 No. 1

**Tennessee Recycling  
Coalition (TRC)  
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**www.trc-online.org**



Tennessee recycling report  
is published quarterly by  
Tennessee Recycling Coalition

Produced by  
**RecycleNet Corporation**

Send information and photos to:

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The deadline for submissions for  
the next newsletter is:

**May 29, 2006.**

Please send your submissions  
and photos by email to  
news@trconline.net

*The articles and opinions  
expressed in this newsletter are not  
necessarily the expressed opinions of  
the Tennessee Recycling Coalition  
or RecycleNet Corporation.*

## TRC Board Retreat at Henry Horton State Park

The TRC Board Member Retreat at Henry Horton State Park was a productive and exciting time. Board members are enthusiastic about TRC's plans for 2006 and hope the excitement is contagious.

Our member benefits have expanded to include a list serve, a speaker's bureau, and a partnership with ROC and SERDC. We encourage our members to utilize our list serve for questions or announcements concerning waste reduction, conservation, and recycling. We envision a service that will provide a forum for useful dialogue and current information.

Our speaker's bureau will enlist qualified recycling professionals to present topics to organizations emphasizing waste reduction's economic benefits, resource conservation, and environmental stewardship. TRC plans to provide an online membership directory. Members who would prefer their contact information not be published should inform Wendy Davis.

TRC wants to encourage our members to utilize the professional development courses available from the Center for Non-Profit Management. Current course offerings are available at <http://www.cnm.org/> and include topics such as board management, fundraising, management and planning, marketing and communications, performance assessment, volunteer management, and many, many, others.

Perhaps the biggest news for TRC is the moving of our annual conference from October to February. We are very pleased to announce that we will be partnering with Keep Tennessee Beautiful and TDOT. This should provide added value to our attendees and exhibitors. This year, TRC will conduct a workshop on September 19<sup>th</sup> at the Double Tree in Murfreesboro to provide an educational opportunity and a members meeting. A block of rooms will be available on the 18<sup>th</sup> for \$82 per night. More details about the workshops and the conference will be announced later.



## Board of Directors

It is the goal of the Tennessee Recycling Coalition to be governed by a Board of Directors that reflects the diversity of the Coalition. TRC Board members come from business, government, nonprofit and for-profit organizations. We strive to represent the geographic diversity of the state, rural and urban.

Our 2005 - 2006 Board is listed below along with their contact information.

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Jim\_Earl@denso-diam.com

## Gussy Up Marshall County!

Come see what imagination, innovation, hard work, and state grants can create! Marshall County Recycling will be holding open house on April 17<sup>th</sup> from 10-2 to kick off "Gussy Up Marshall County!" week. Participants will be treated to a tour of the state funded facility located on Glenn St. in Lewisburg TN (behind Hardison Office Annex and the ambulance service). Office paper shredding, pallet and latex paint recycling will be demonstrated at the event and lunch will be provided.



### **Rock-Tenn Recycling**

1323 Proctor Street  
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Fax: (865) 522-8996

**www.rocktenn.com**

## Join A Committee!

Do you want to do more to actively promote recycling in Tennessee? Join a TRC committee! TRC committees serve to meet the goals and objectives established by the Board of Directors. Participation in a committee allows members from various backgrounds to share their perspectives within TRC. The four committees are:

•Member Services - duties include communication, web site development and maintenance, formulation and publication of a quarterly newsletter, liaison with the National Recycling Coalition (NRC), development of new initiatives, speakers bureaus, and advocacy



•Governance - duties include introduction of amendments to the bylaws, finance and budgeting, nominations for elected officers, policy organization, and development of the Board of Director's handbook

•Outreach - duties include participation with TDEC on America Recycles Day (ARD), attending and exhibiting at other state and group conferences, investigation of program development for institutions such as colleges and universities and marketing

•Conference - duties include planning and implementing the annual TRC conference

**If you are interested in serving on a committee, please contact:  
Wendy Davis at [tnrecycles@comcast.net](mailto:tnrecycles@comcast.net)**

## TRC Member, UT Knoxville Achieves Partner Level Status in the Tennessee Pollution Prevention Partnership

Tennessee Pollution Prevention Roundtable recognizes organizations for environmental achievements and advancement in the TP3 partnership.

Deputy Commissioner Paul Sloan recently joined members of the Tennessee Pollution Prevention Roundtable in Nashville to recognize organizations achieving Partner-level status in the Tennessee Pollution Prevention Partnership (TP3). Sloan presented TP3 Partner certificates to Olin Chemical (Charleston, Tenn.), Maytag Cleveland (Tenn.) Cooking Products, James H. Quillen VA Medical Center (Johnson City) and the University of Tennessee's Knoxville campus. Twenty-one Tennessee organizations have now demonstrated environmental improvements elevating them to Partner-level status in TP3.

Acknowledging the Roundtable's shared sense of environmental responsibility and the collaboration, Sloan noted, "These new TP3 Partners serve as real-world examples for others who seek to go beyond compliance. Their environmental innovations and accomplishments have conserved resources, lessened their impact on the natural world and saved money for the organization."

## Warriors Path Golf Course Honored for Recycling Efforts

KINGSPORT - March 13, 2006 - Tennessee Environment and Conservation Commissioner Jim Fyke recognized Warriors Path State Park Golf Course for its recycling efforts at a MeadowView Conference Resort and Convention ceremony on Friday.

The golf course recently won the 2005 Tennessee Recycling Coalition's Government Recycler of the Year Award. Fyke presented the award to Warriors Path Golf Course Manager Mark Houser at the East Tennessee Environmental Conference Awards Ceremony "We're proud to recognize the Warriors Path State Park Golf Course for its exceptional recycling program," Fyke said in a prepared release. "Mark Houser and the Warriors Path golf team is setting an environmental example and making a positive impact on visitors to our state park."

The Warriors Path State Park Golf Course began recycling in 2003, collecting mostly plastic bottles and cardboard with a smaller amount of aluminum cans. In 2005, approximately 4,000 pounds of cardboard and 2,500 pounds of plastic from the golf course were collected and recycled. Aluminum cans are also collected and donated to a local church or nonprofit organization.

The Tennessee Recycling Coalition is a nonprofit organization dedicated to promoting recycling and waste reduction in Tennessee. The organization has members representing private business, federal and state agencies, nonprofit organizations, trade associations, educational institutions and individuals. Every year

the coalition recognizes outstanding recycling and waste reduction programs in four categories: individual, government, nonprofit and business.

The Warriors Path State Park Golf Course is an 18-hole course located on the shores of Fort Patrick Henry Lake. The course hosts about 35,000 rounds of golf every year.

For more information about Warriors Path State Park and its golf course visit the Tennessee State Park website at:

**[www.tnstateparks.com](http://www.tnstateparks.com)**



*Tennessee Environment and Conservation Commissioner Jim Fyke, right, presents Warriors Path Golf Course Manager Mark Houser with the 2005 Tennessee Recycling Coalition's Government Recycler of the Year Award at the East Tennessee Environmental Conference Awards Ceremony, held Friday at MeadowView Conference Resort and Convention Center. Photo by Erica Yoon.*

## Cost Effective Cardboard and Curbside Recycling for Small Rural Areas

The City of Tullahoma and Franklin County have two different approaches to business cardboard and curbside collections. Their programs are unique in some ways, and they are designed to be as cost effective as possible.

When the City of Tullahoma first started collecting cardboard from its businesses in the mid 1990's, the business had to purchase the dumpsters to put the cardboard in for collection. The cost per dumpster ranged from \$500.00 - \$600.00 even then, so the businesses weren't lining up to sign up for the program. Only the large generators saw it as cost effective.

In 2000 the city's Public Works Dept. got a new director, Wayne Limbaugh, with fresh new ideas. He was looking to make recycling work more efficiently and more effectively than it had in the past.

The dumpsters are still being used for the large generators, but they are being provided to the business at no cost. Now, any business generating cardboard can call the public works department to participate in the business cardboard recycling program. The city will also put a dog pen, or better known by the public works dept. as a cardboard recycling pen at any place of business that generates cardboard.

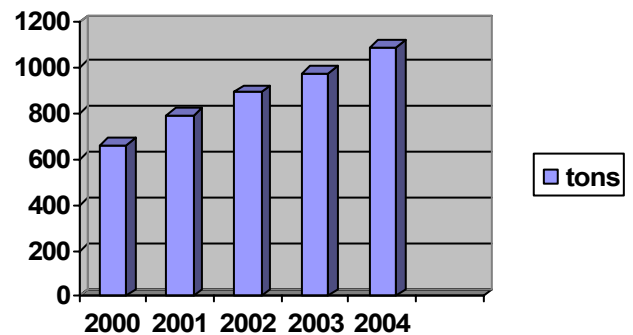
The advantages to using the recycling pen is that it is a fraction of the cost at \$177.00, and since it is not or has never been used as a garbage receptacle, it doesn't attract garbage like the recycling dumpsters. All the business has to do is put their empty cardboard boxes into the recycling pen instead of their garbage dumpster, and the city collects the cardboard on a weekly route. There are currently 64 pens and 57 dumpsters for recycling cardboard located at various businesses throughout the city.

Even the collection truck is recycled. To hold down the cost of the program, they are using a garbage truck that has been depreciated out, and replaced. The boxes are hand loaded from the pens into the recycling truck. This method is more labor intensive, but much more cost effective for the city since they have the advantage of using trustee labor.

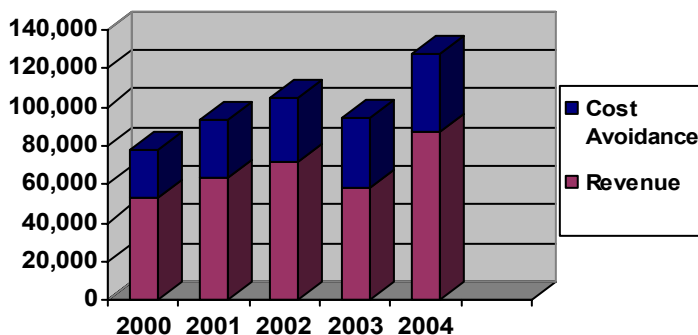
Since the program's infancy it has experienced steady growth starting with 662.13 tons in 2000, 793.58 tons in 2001, 891.66 tons in 2002, 973.14 tons in 2003, 1,087.03 tons in 2004. Rather decent numbers for a city with a population of 18,000 and growing. Before 2000 the city barely collected 450 tons of cardboard per year if that much.

The cost for the program is approximately \$60,000.00 per year including all labor cost, and the approximate revenue including cost avoidance based on an average of \$80.00 per ton with average landfill fees of \$37.00. This makes the revenue for the cardboard program in for the year 2000 \$52,970.4 with cost avoidance of \$24,499, 2001 revenue \$63,486.4 with cost avoidance of \$29,362, 2002 revenue of \$71,332.8 with cost avoidance of \$32,991, 2003 revenue \$77,851.2 with cost avoidance of \$36,006, 2004 revenue 86,970.4 with cost avoidance of \$40,220.

**Tullahoma's Cardboard Tonnage**



**Tullahoma's Average Cardboard Revenue**



This is only part of the city's recycling program; they also provide residential and business curbside recycling for the collection program for all grades of paper, plastic, aluminum and metal food cans.

They do the collection with a separated recycling truck that they bought used for \$25,000.00. It is operated with a 2-man crew, and the truck runs on the same day as the citizen's regular garbage day, thus decreasing the confusion of when to put out their recycling.

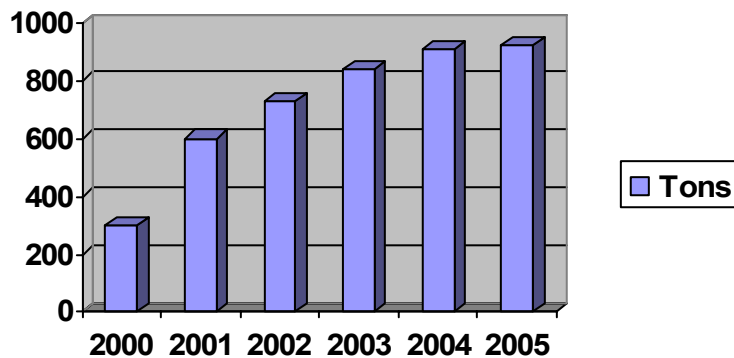
The materials are sold at the going market price or often a little above.

The year of 2000 was also a year of much needed change for the recycling program in Franklin County. Their changes also started with a new person leading the way. John deMoll, the new Solid Waste Director for Franklin County, really knows how to stream line a recycling program. Among many changes implemented to the existing programs, he started a new Business Cardboard Recycling Program. Until then, the county had not provided the businesses with cardboard collection.

The first step in starting the program was to choose a truck. A side loader garbage truck was purchased because the waste haulers in the area use front loaders, and using a side loader as a recycling truck prevented the collection of the wrong material. The truck cost \$90,000, and is operated by one driver.

Then one hundred 6 yard cardboard recycling dumpsters were purchased to start the program, and the promotions started. The businesses were quick to sign up for the program, and it wasn't long before fifty more bins needed to be purchased. It was obvious that it was a much-desired service for the businesses. Today there are one hundred and seventy five bins through out the county, and calls are still coming in requesting to be added to the program. There are currently no bins available and the cost of the bins have skyrocketed from around \$600.00 per 6 yard in 2002 to \$1150 in 2006 which is the reason for a delay in purchasing any additional bins. The industry is promising a price reduction soon.

**Franklin County Cardboard Tons**



The bins are located across the entire county, and are emptied regularly on a weekly route unless more or less frequent service is required.

The cardboard tonnage is fairly good for a county with a population of 43,000

The estimated cost avoidance is based on the landfill fee of \$37.00. The revenue is being reported by fiscal year.

The county also collects cardboard and other recyclables such as all grades of paper, plastic, aluminum and metal food cans at its 15 convenience centers and at the recycling center.

These materials are also sold competitively at or above market prices for each commodity.

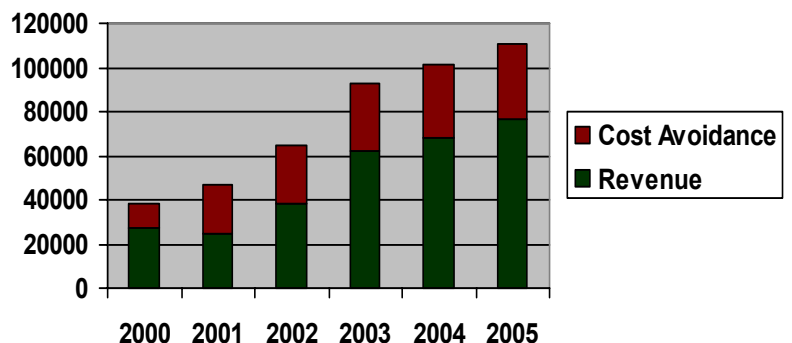
The City of Cowan and the City of Winchester also provide their citizens with curbside recycling via a blue bag program. They both use their own staff, and pick-up trucks exist their fleet. They go to participating households twice per month and collect the blue bags at the curb. If they set out 3 blue bags, the staff will leave three empty blue bags.

City Administrator Becky Sherman says Cowan services 900 households, and the program really doesn't cost Cowan anything because we already have the trucks and the employees, and she believes it is the right thing to do. She estimates they are picking up from about 25% of their households at a cost of \$2,600.00.

The City of Winchester serves a population of 7600. They use 2 pick-up trucks and 1 dump truck with a 2 man crew in each. The city's efforts add significantly to the county's tonnage each year.

You don't have to spend a lot of money to make an impact on recycling. The City of Tullahoma and Franklin County bring in enough tonnage to cover most, if not all, of the cost for their respective recycling programs when you factor in cost avoidance.

**Franklin County Cardboard Recycling Revenue**



## Keep Fayetteville/Lincoln County Beautiful

Keep Fayetteville/Lincoln County Beautiful is holding their annual Great American Cleanup and Household Hazardous Waste Event on April 8th from 8 AM-1 PM at the Lincoln County Fairgrounds. Goodwill will be on hand to take your household items and clothes. Bring your old books and paint to swap for "new to you" items. Groups and individuals across the county are cleaning up along the roadways and around their homes and businesses. Cash prizes for the MOST litter picked up by the MOST volunteers will be awarded to schools and organizations. 1<sup>st</sup> prize is \$150.00, 2nd-\$100.00 and 3rd-\$50.00

TDEC's Household Hazardous Waste crew will be down to collect household hazardous waste items including oil based paint, cleaners, solvents, pesticides, and electronic items.

Advance Auto accepts used oil at the business location and will be collecting batteries at the fairgrounds. This is your opportunity to clean out your garage, shed, barn, or pantry of hazardous items. More information may be found at <http://www.state.tn.us/environment/swm/hhw/> and as always, neighboring counties are welcome.



### Caraustar Industries, Inc.

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E-mail: [info@caraustar.com](mailto:info@caraustar.com)

[www.caraustar.com](http://www.caraustar.com)

### TENNESSEE KOYO STEERING SYSTEMS



55 Excellence Way  
Vonore, TN 37885  
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# CALENDAR OF EVENTS

Apr. 2-6, 2006

**ISRI (Institute of Scrap Recycling Industries)**  
Annual Conference & Exhibition  
Las Vegas, Nevada

Apr. 3-5, 2006

**Raymond Communications**  
2006 Take it Back! Conference  
Las Vegas, Nevada

Apr. 4-7, 2006

**Primemedia WasteExpo 2006**  
Las Vegas, Nevada

Apr. 8, 2006 (8am - 1pm)

**Keep Fayetteville/Lincoln County Beautiful**  
Annual Great American Cleanup & Household  
Hazardous Waste Event  
Lincoln County Fairgrounds

Apr. 17, 2006 (10am - 2pm)

**Marshall County Recycling**  
Open House  
Glenn St. in Lewisburg TN

Apr. 18, 2006

**Vermicomposting Demonstration**  
Mount Albert, Ontario, Canada

Apr. 20-21, 2006

**The 17th Global Warming**  
**International Conference & EXPO (GW17)**  
Miami, FL

Apr. 23-25, 2006

**Georgia Recycling Coalition**  
15th Semi-annual Membership Meeting  
Albany, GA

Apr. 29-May 2, 2006

Fibre Box Association  
2006 Fibre Box Association Annual Meeting  
Miami, FL

May 1-4, 2006

**CARE - (Carpet America Recovery Effort)**  
4th Annual Conference  
Pine Mountain, GA

May 1-3, 2006

**14th Annual North American**  
**Waste-to-Energy Conference**  
West Palm Beach, Florida, USA

May 1-2, 2006

**The Canadian Environmental**  
**Conference and Tradeshow**  
Toronto, Ontario, Canada

May 5-6, 2006

**CARS of Wisconsin**  
The Upper Midwest Convention & Trade Show  
Green Bay, WI

May 7-10, 2006

**Solid Waste/Recycling Conference**  
**& Trade Show**  
Bolton Landing, NY, USA

May 2-3, 2006

**EnviroExpo & Conference 2006**  
Boston, MA, USA

May 3-5 2006

**Solid/Hazardous Waste Conference**  
**and Exhibition**  
Gatlinburg, Tennessee

May 7-11, 2006

**Society of Plastic Engineers**  
ANTEC 2006  
Charlotte, NC

May 15-19, 2006

**25th International Conference on Incineration**  
**& Thermal Treatment Technologies**  
Savannah, GA, USA

Jun. 1-4, 2006

**Salon National de l'Environnement /**  
**National Environmental Exhibition**  
Montréal, Québec

Jun. 5-8, 2006

**11th Annual Landfill Symposium**  
**and Solid Waste Managers Conference**  
Nashville, Tennessee, USA

Jun. 19-21, 2006

**Arkansas Recycling Coalition/MS Recycling**  
**Coalition**  
16th Annual Conference & Trade Show  
Tunica, MS

Aug. 6-11, 2006

**8th International Conference**  
**on Mercury as a Global Pollutant**  
Madison, Wisconsin, USA

Oct. 22-25, 2006

**NRC's 25th Annual Congress & Exposition**  
Atlanta, GA, USA

**With TRC/NRC membership you have the option to join any of the following councils:**

**The College and University Recycling Council (CURC)**

- CURC is a network of campus-based recycling professionals who facilitate information exchange on operating recycling and waste reduction programs at North American institutions of higher learning.

<http://www.nrc-recycle.org/councils/CURC/default.htm>

**Minorities Recycling Council (MRC)**

- The Minorities Recycling Council (MRC) was established by the NRC in October 1991 to foster dialogue and action concerning environmental issues in minority communities and to develop the full participation and leadership of minorities in the recycling and waste management industry.

<http://www.nrc-recycle.org/councils/MRC/MRC.htm>

**Non-profit Recyclers Council (NpRC)**

- The NpRC is a national network of mission-driven, community-based non-profit organizations whose work includes: waste reduction, reuse, recycling, and composting operations; research and public education; community and economic development; and environmental advocacy.

<http://www.nrc-recycle.org/councils/NPRC/npDefault.htm>

**Recycling Organization Council (ROC)**

- The Recycling Organization Council provides recycling organizations a forum to benefit from information sharing, group deliberation of common issues, mutual support and assistance.

**Rural Recycling Council (RRC)**

- Rural members of NRC organized the Rural Recycling Council (RRC) in 1989 to address the cultural, socioeconomic, solid waste and recycling market conditions unique to rural regions.

<http://www.nrc-recycle.org/councils/RRC/RRC.htm>

**Tennessee Recycling Coalition Membership Levels**

**Benefactor \$5000.00 per year**

- Includes Premier sponsorship benefits for TN America Recycles Day
- Recognition as Awards Luncheon sponsor at annual conference
- Press release announcing sponsorship

**Partner \$3000.00 per year**

- Includes Supporting sponsorship benefits for TN America Recycles Day
- Recognition as evening event sponsor at annual conference
- Includes complimentary foursome for annual golf tournament

**Sponsor \$2000.00 per year**

- Premier listing on TRC website
- One Free exhibit booth at TRC Annual Conference and Exhibition (including two booth registrants)
- Five additional tickets to Annual Auction
- Business contact list for all TRC Conference Attendees
- Recognition as Refreshment Break sponsor at annual conference

**Patron \$1000.00 per year**

- One feature story in TRC newsletter and special mention in every newsletter
- One free registration for TRC Conference
- Two Additional Tickets to the TRC Annual Auction

**Organizational \$400.00**

- One Individual Membership to TRC and the National Recycling Coalition
- Reduced Rate to TRC's Annual Conference and Exhibition for all employees
- One reduced rate to NRC Congress
- Special listing on TRC website

**Individual \$120.00**

- One Individual Membership to TRC and the National Recycling Coalition
- Subscription to TRC Newsletter and NRC Report
- Reduced Rate to TRC's Annual Conference and Exhibition and NRC Congress

**Individual Non-NRC \$75.00**

- One Individual Membership to TRC
- Subscription to TRC Newsletter
- Reduced Rate to TRC's Annual Conference and Exhibition
- Complimentary Professional Development Classes at Center for Non-Profit Management

**\*\* Membership levels include specified benefits and benefits of lower levels**

_____		_____	
First and Last Name		Title	
_____			
Company or Affiliation			
_____			
Mailing Address			
_____			
City	State	Zip	
_____			
Telephone (Day)	Telephone (Evening)	Email Address	

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