



**Roane County Department of Solid Waste and
Recycle Center
(Fund 123)**

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Convenience Centers (Fund 116)

Director Ralph Stewart – Since 2006

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Mission Statement:

- The goal of the Department of Solid Waste is to reduce Waste by developing and enhancing the recycling program while creating partnerships with local municipal governments, businesses, schools, civic groups, and individual households. We will reduce waste, create jobs, and educate the public on environmentally friendly waste disposal.

Convenience Centers

- First Center opened in mid-eighties.
- Permanent closure of Blair convenience center January 1, 2013 due to redundant service.
- Currently 12 Centers.
- Highway 58 South, Gallaher Road, and Orchard View are Super Centers.
- Super Centers are geared towards high volume areas that are capable of collecting most recyclable materials.
- A Solar panel cardboard compactor has been introduced to the Orchard View location.
- Recycled oil is being used to heat the Recycling center along with the Animal Control Department and the Highway Department.

• *Can refer to roanecountytn.gov for operational hours.

Solid Waste Facilities

Location	Status As of 8/01/2015	Upgrades 2012-2015	Upgrades After 2015
Blue Springs 3810 River Rd. Kingston, TN 37763	*Self Contained garbage unit. *20 yd. open top box for scrap metal. *40 yd. recycle box for c/b, aluminum, and news. *40 yd. recycle box for plastic. *600 gal. tank for used oil. *55 gal. drum for used antifreeze.	*Self contained garbage unit. *40 yd. Recycle Plastic	*Expand and pave lot. *Shed.
Bradbury 3343 Buttermilk Rd. Kingston, TN 37763	*4 yd. compactor w/ 40 yd. receiver box for garbage. *20 yd. open top box for scrap metal. *40 yd. recycle box for c/b, aluminum, and news. *40 yd. recycle box for plastic. *600 gal. tank for used oil. *55 gal. drum for antifreeze.	*4 yd. compactor with 40 yd. receiver box. *Paved lot.	*Shed.
Cave Creek 329 Cave Creek Rd. Loudon, TN 37774	*5 yd. compactor w/ 40 yd. receiver box for garbage. *20 yd. open top box for scrap metal. *4 yd. self contained c/b compactor. *40 yd. recycle box for aluminum and news. *40 yd. recycle box for plastic. *600 gal. tank for used oil. *55 gal. drum for antifreeze.	*5 yd. compactor with 40 yd. receiver box. *4 yd. self contained c/b compactor. * Paved Lot	*Shed.

...Solid Waste Facilities Continued...

Location	Status As of 8/01/2015	Upgrades 2012-2015	Upgrades After 2015
Clax Gap 624 Clax Gap Rd. Harriman, TN 37748	*5 yd. compactor w/ 40 yd. receiver box. *20 yd. open top box for scrap metal. *Self contained c/b compactor. *40 yd. recycle box for aluminum and news. *40 yd. recycle box for plastic. *600 gal. tank for used oil. *55 gal. drum for antifreeze.	*5 yd. compactor. *Converted 4 yd. compactor to c/b.	*Shelter for compactor.
Glen Alice 1913 Spring City Hwy. Rockwood, TN 37854	*18 8 yd. open top boxes for garbage. *20 yd. open top box for scrap metal. *4 yd. recycle box for c/b, news, and aluminum. *60 gal. tank for used oil. *55 gal. drum for antifreeze.	*Upgrade building.	*Installation of compactor. *Shelter.
North Gallaher Gallaher Rd. Kingston, TN 37763	*5 yd. compactor w/ 40 yd. receiver box for garbage. *40 yd. open top box for scrap metal. *4 yd. compactor for c/b *40 yd. recycle box for aluminum and news. *40 yd. recycle box for plastic. 600 gal. tank for used oil. *55 gal. drum for antifreeze.	*5 yd. compactor and 40 yd. box. *4 yd. compactor for c/b. *Improved water drain system.	*Shelter for drop off boxes. *Pave lot.

...Solid Waste Facilities Continued...

Location	Status As of 8/01/2015	Upgrades 2012-2015	Upgrades After 2015
<p>Orchard View 123 Orchard View Rd. Oliver Springs, TN 37340</p>	<p>*5 yd. compactor w/ 40 yd. receiver box for garbage. *20 yd. open top box for scrap metal. *Solar powered self contained c/b unit. *40 yd. recycle box for aluminum, news, and plastic. *600 gal. tank for used oil. *55 gal. drum for antifreeze.</p>	<p>*5 yd. compactor with 40 yd. box. *Solar compactor for c/b. *Pave lot.</p>	<p>*Site Preparation. *Shelter.</p>
<p>Paint Rock 125 Paint Rock Rd. Kingston, TN 37763</p>	<p>*5 yd. compactor w/ 40 yd. receiver box for garbage. *40 yd. recycle box for c/b, aluminum, and news. *20 yd. open top box for scrap metal. *600 gal. tank for used oil. *55 gal. drum for antifreeze.</p>	<p>*5 yd. compactor with 40 yd. box for garbage. *Expanded lot. *Improved entrance and exit locations.</p>	<p>*Shelter for compactor. *Pave lot.</p>
<p>Post Oak 123 Post Oak Rd. Rockwood, TN 37854</p>	<p>*4 yd. compactor w/ 40 yd. receiver box for garbage. *20 yd. open top box for scrap metal. *40 yd. recycle box for plastic. *40 yd. recycle box for c/b, aluminum, and news. *Paint collection with shed and 20 yd. open top box. *600 gal. tank for used oil. *55 gal. drum for antifreeze.</p>	<p>*Paint Collection site.</p>	<p>*Shelter for drop off boxes. *C/B upgrade. *5 yd. garbage compactor.</p>

...Solid Waste Facilities Continued...

Location	Status As of 8/01/2015	Upgrades 2012-2015	Upgrades After 2015
<p>Pumphouse 123 Pumphouse Rd. Rockwood, TN 37854</p>	<ul style="list-style-type: none"> * 18 – 8 yd. front load boxes for garbage. *20 yd. open top box for scrap metal. *40 yd. recycle box for c/b, aluminum, and news. *40 yd. recycle box for plastic. *600 gal. tank for used oil. *55 gal. drum for antifreeze. 	<ul style="list-style-type: none"> *40 yd. plastic recycle box. *20 yd. open top box for scrap metal. 	<ul style="list-style-type: none"> *Under evaluation.
<p>South 58 107 Walnut Grove Rd. Kingston, TN 37763</p>	<ul style="list-style-type: none"> *5 yd. compactor w/ 40 yd. receiver box for garbage. *40 yd. open top box for scrap metal. *40 yd. recycle box for c/b, aluminum, and news. *40 yd. recycle box for plastic. *600 gal. tank for used oil. *55 gal. drum for antifreeze. 	<ul style="list-style-type: none"> *5 yd. compactor w/ 40 yd. receiver box for garbage. 	<ul style="list-style-type: none"> *Shelter cover for compactors. *New shed.
<p>Swan Pond 104 Swan Pond Rd. Harriman, TN 37748</p>	<ul style="list-style-type: none"> *5 yd. compactor w/ 40 yd. receiver for garbage. *20 yd. open top box for scrap metal. *4 yd. compactor w/ 40 yd. receiver box for c/b. *40 yd. recycle box for news and aluminum. *40 yd. recycle box for plastic. *Shed covered compactor. *600 gal. tank for used oil. *55 gal. drum for antifreeze. 	<ul style="list-style-type: none"> *5 yd. compactor w/ 40 yd. receiver for garbage. *4 yd. compactor w/ 40 yd. receiver box for c/b. 	<ul style="list-style-type: none"> *Pave lot.

Recycling Center

Location	Status As of 8/01/2015	Upgrades 2012-2015	Upgrades After 2015
<p>Roane County Recycle Center 215 White Pine Rd. Harriman, TN 37748</p>	<ul style="list-style-type: none"> *4 yd. compactor w/ receiver boxes. *5 yd. compactor with 40 yd. receiver boxes. *(6) 40 yd. open top boxes for construction and demolition. *(1) 40 yd. open top box for scrap metal. *16 ft. trailer for c/b. *1000 gal. tank for used oil. *55 gal. drum for antifreeze. *2 bobcats *1 caterpillar *Marathon Sort Line *Goldblot Compactor *Harris Badger Baler 	<ul style="list-style-type: none"> *Baler & Sort Line. *Expansion of parking lot. *Expansion of rear storage area. *New 5 yd. compactor with 40 yd. receiver box. *2 Trucks. *1 new bobcat. * Baler *Marathon Sort Line *Harris Badger Baler. 	<ul style="list-style-type: none"> Completion of Phase 5. *New scale system. *New scale house. *Redesign recycle collection site for scrap metal and construction debris. *Shelters for all collection sites.

How did Roane County's recycling services go from rural to regional?

- The County received a Hub & Spoke Grant that requires us to reach outside of the local area and include municipalities, schools, businesses, and other counties into our recycling program.
- The grant received from TDEC (\$265,000.00) for purchasing a larger baler and to upgrade the storage area for recycled products. The county added an additional \$100,000.00 to complete the project.
- Roane County has also purchased a new sorting line to make operations more efficient. The sort line total cost is \$103,00.000. The equipment was purchased with the help of a Recycle Equipment Grant from TDEC (\$25,000.00) for a total of \$78,000.00 expenditure of county funds. It is estimated it will increase production by at least 40% in the first year of operation.

How did Roane County's Recycling program go from rural to regional

The County received a Hub & Spoke Grant that requires us to reach outside of the local area and include municipalities, schools, businesses, and other counties into our recycling program.

Partnering with:

Counties of Roane, Loudon,
and Anderson

Cities of Rockwood, Harriman,
Kingston, and Oliver Springs.

Businesses and Organizations:

Alba Health

Camp Buck Toms

Chase Scientific Glass

UCOR

Patterson's Appliance Centers

Co-op

Michael Dunn

Covenant Health - Roane
Medical Center

Schools:

Roane County High School

Midway Elementary and Middle
Schools.

Harriman Middle and High
Schools.

Midtown Vocational School

Roane State Community College

Rockwood Schools.

Local Ties

Michael Dunn

- *"Michael Dunn Center Work Programs brings more than good work ethics with them. They exemplify what it means to work as a team."*
— Ralph Stewart, Roane County Recycling Center

Community Service

- Citizens serving community service in Roane County can earn hours working in the Recycling Center. Increase of production at the Recycle Center at NO COST to the county.

Annual Report & Hazardous Waste Event

2014 APR Compliance
State Requirement 25% reduction.

		<u>Recycled Tons</u>
2012	58%	
2013	56%	Recycled - 56668.1
2014	67%	Disposed to Landfill - 28092

2015 Household Hazardous Waste Day

Total Waste Collected **2,820 Pounds**

Total Project Cost Paid **\$5,651.86**
by the State

Participating in the Community

- Roane County Recycle Center has recently been affiliated with Suncoast Textile Recycling that takes used clothing to people in need. The company supplies the Solid Waste Department with containers to collect the clothing. Suncoast picks up the boxes around the county at no cost to the county. Roane County receives 10 cents a pound for all collected materials.

Future Plans & Opportunities

- Recently set up social media page where citizens can keep up with Recycle and Convenience Center information.
- Ideas for recycling education outreach to the adult public. Keep Roane Litter Free directed towards K-12 graders. (Advertise to specific age groups.)
- Personnel training
- Additional hub & spoke grants
- Expanding services to public schools and private industries.
- Convenience Center improvement plans.
- Improve record keeping, daily, weekly, and monthly reports. Chart productivity.

Summary

- How does the Roane County Department of Solid Waste and Recycling contribute to the other county departments and to the public?
- *The goal of the Department of Solid Waste is to reduce Waste by developing and enhancing the recycle program while creating partnerships with local municipal governments, businesses, schools, civic groups, and individual households. We will reduce waste, create jobs, and educate the public on environmentally friendly waste disposal.*