

**Blount County
Solid Waste
Needs Assessment
2008**

Item # 1 Demographic Information

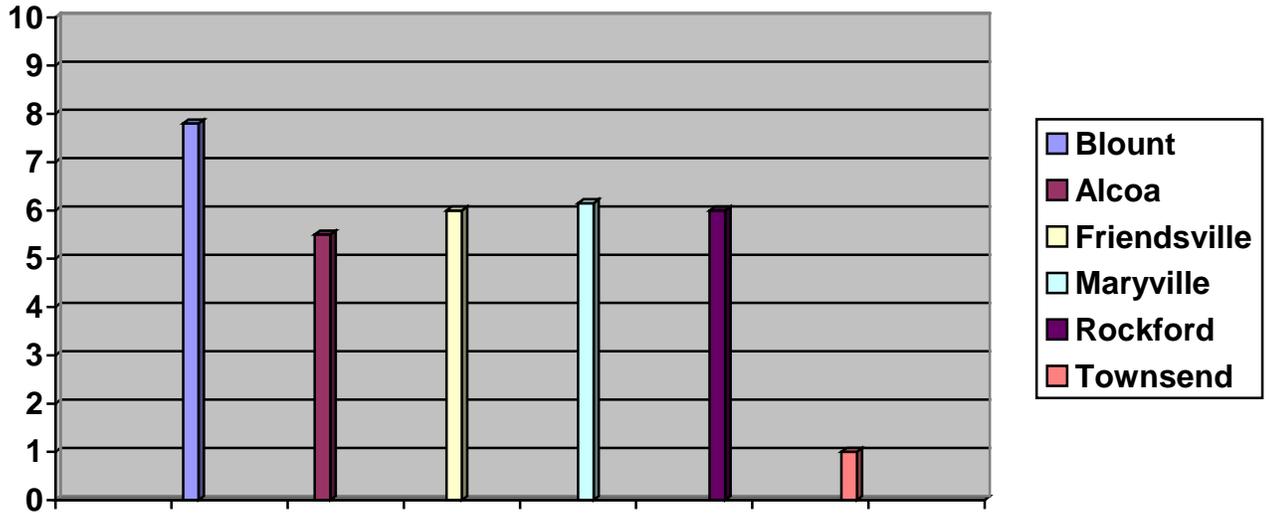
The following table and charts illustrate the population trends of the region, which includes respective municipalities, total municipal residents and county only residents. The 2004 and 2014 projects are based on existing trends for each jurisdiction as well as knowledge of the area.

The county as a whole is expected to continue to increase in population between 2000 and 2014. Blount County has historically seen a larger increase in population than the State of Tennessee. The State saw a 6% growth rate from 2000-2004 at the same time the County and most of its municipalities was either meeting that growth or slightly higher. All reports suggest that the population growth rate should stay close to the same 6% rate over the next 10-14 years. The County will continue to grow in the future as more people look towards moving into the County due to education and other amenities that are provided in the County and its municipalities. The City of Alcoa and Maryville will continue to expand their growth boundaries and will bring more people into their city limits. The Town of Louisville may very well see the largest growth over the next 10 years, but we have no historical data to go by. It seems that more people are expanding out in that direction. The Towns of Rockford, Friendsville and Townsend are not going to see large increases in population in the future unless economic amenities are apparent, such as a new industrial plant that will affect population spurts. Overall, the Region of Blount County projects based on regional trends and market dynamics suggest that the population will continue to grow. The rate of growth will vary depending on a host of local, regional, and national trends, as well as the employment of management tools that can affect this rate. These trends will impact countywide land use, housing, transportation and solid waste decisions.

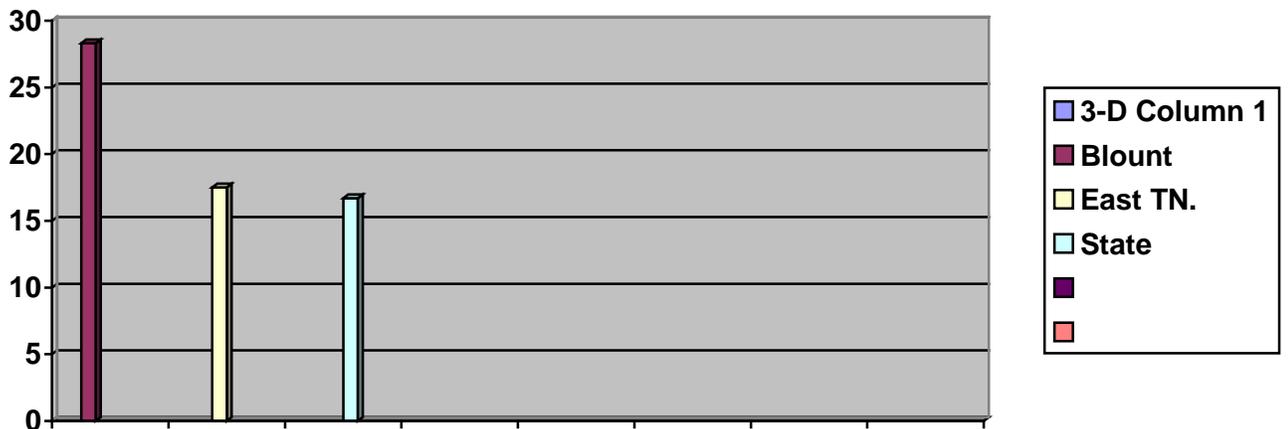
Jurisdiction	1990	2000/% change	2004 / %	2014 / %
Blount County	59,947	74,970/28.3%	80,876 / 7.88%	93,541 / 15.66%
Alcoa	6,400	7,734/20.80%	8,162 / 5.53%	9,134 / 11.91%
Friendsville	792	890/12.4%	943 / 6.0%	1,056 / 12%
Louisville	0	2,001	2,121 / 6.0%	2,376 / 12%
Maryville	20,022	23,119/ 15.5%	24,540/ 6.15%	27,569/ 12.34%
Rockford	646	798/23.5%	685 / 6.0%	767 / 12%
Townsend	329	244 / -25.8%	250 / 1.0%	260 / 4%

Blount County Communities

Population Change: 2000 - 2004



Population Growth: 1990-2000

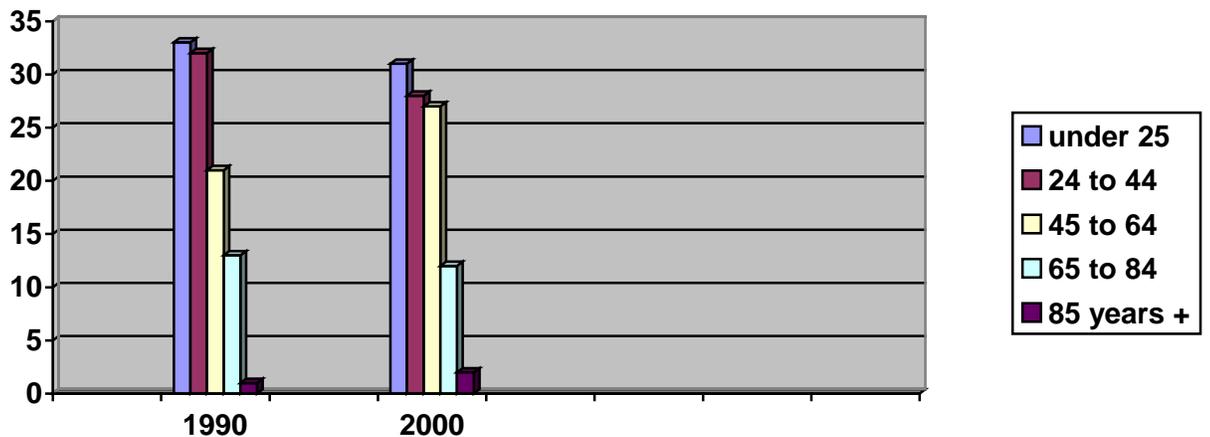


Item 2 Region Economies

The following table and chart show the per capita incomes for the county and each municipality in 1989 and 1999 and estimates for 2007, 2010 and 2015. The existing trends are expected to continue for each municipality and the county, though increases will likely be smaller in the future for most municipalities.

In looking at per capita incomes one must realize that this purchasing power is largely affected by the in-migration of working-age people, 25 to 64 years of age. Conversely, the higher proportions of young and old people are often associated with lower rates of per capita income growth.

Ages	1990 Number of People	Percent	2003 Number of People	Percent
Under 25	28,049	32.63	33,683	31.15
24 to 44	27,160	31.59	30,618	28.31
45 to 64	18,152	21.11	28,812	26.64
65 to 84	11,529	13.41	13,176	12.18
85 years and older	1,079	1.26	1,850	1.71

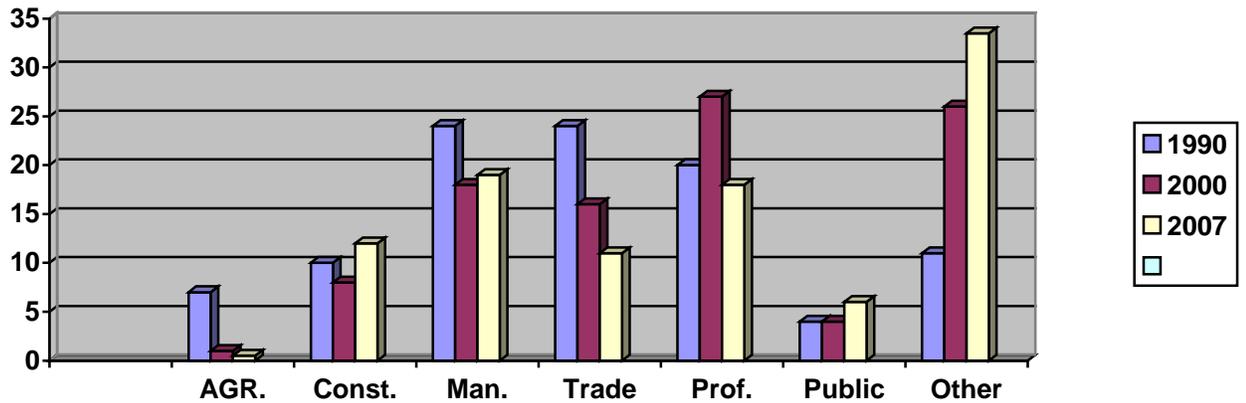


The estimates for the current per capita incomes show that most all entities have experience an increase in the purchasing power of their residents. Most residents are likely to use this increased purchasing power to spend more monies in the future. This is likely to mean an overall increase in solid waste generated by economic growth. However, this increase in solid waste will be from the consumer industries and not large industries that could present problem waste. One cannot use the percentage increase from 1989 to 1999 of 49% to project future growth. This is the result of the large influx of workers into the Blount County area. The per capita income from 1999 to 2007 saw a reduction of 14% to \$21,999, which suggests the leveling off of income in the Blount County area. Based on other communities in the area and knowledge of the area the municipalities in the area should be slightly lower then the County with the exception of Louisville. An increase of about 14% in a ten-year setting should be realized from 2007 to 2015.

Jurisdiction	1989	1999	2007	2010	2015
Blount County	\$12,674	\$26,097	\$21,999	\$23,099	\$24,254
Alcoa	\$12,876	\$19,526	\$19,526	\$20,502	\$21,527
Friendsville	\$12,070	\$16,871	\$16,871	\$17,715	\$18,601
Louisville	\$0	\$22,086	\$22,086	\$23,190	\$24,350
Maryville	\$13,420	\$21,556	\$21,556	\$22,634	\$23,766
Rockford	\$11,817	\$19,938	\$19,938	\$20,935	\$21,982
Townsend	\$10,428	\$21,647	\$21,647	\$22,729	\$23,865

The following table takes a look at the types of business in Blount County that can have an effect in the amount of solid waste being generated. The table looks at the percentage of each classified work from 1990,2000 & 2007. As the table shows the type of business has changed from manufacture to service industry. This basically results in less garbage that is produced in terms of large volume. The consumer industry will produce a lot of cardboard and paper that can be recycled. Also, the service industry usually results in less paying jobs.

Industry	1990	2000	2007
Agriculture, Forestry, Fisheries, Mining	7%	1%	.5%
Construction	10%	8%	12%
Manufacturing	24%	18%	19%
Trade and Finance	24%	16%	11%
Professional Services	20%	27%	18%
Public Administration	4%	4%	6%
Other (consumer industry)	11%	26%	33.5%



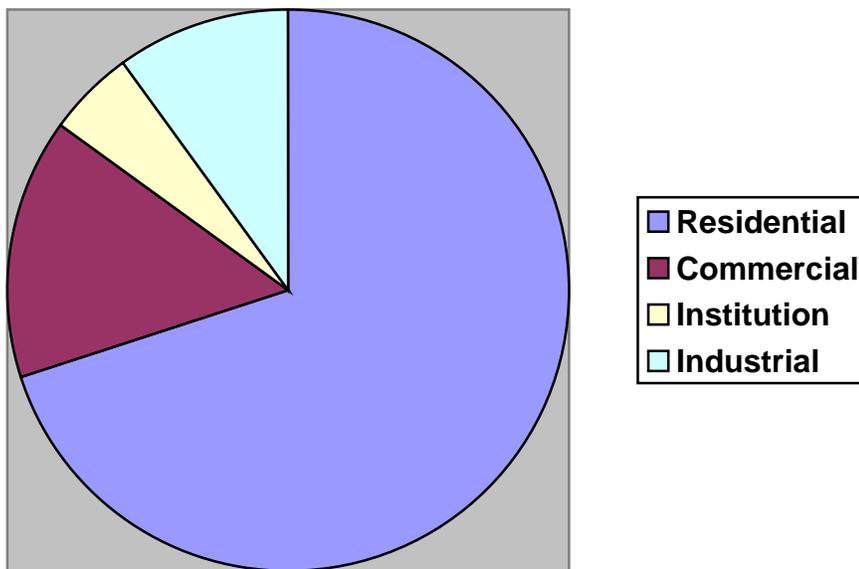
Service jobs tend to be the norm in the East Tennessee area. There is a lot of work to create more of a technology corridor in the area. However, service related jobs would still be the norm for the consumer-based society. Blount County still does not see a large increase in retirees that could affect the shift from taxes being spent more n enviromental programs away from the schools.

Another factor that will affect the solid waste stream is the private employment job growth that showed from 2001 – 2006 Blount County had a 14.3% job growth. As jobs grow the housing market will grow that will create more residents in the area that will effect the solid waste stream.

Item # 3 Region Waste Stream

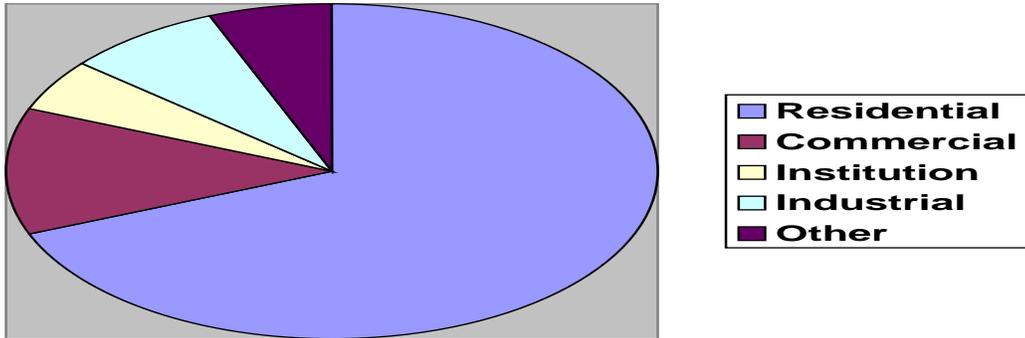
Blount County solid waste stream is shown below.

Residential 70%
Commercial 15%
Institution 5%
Industrial 10%



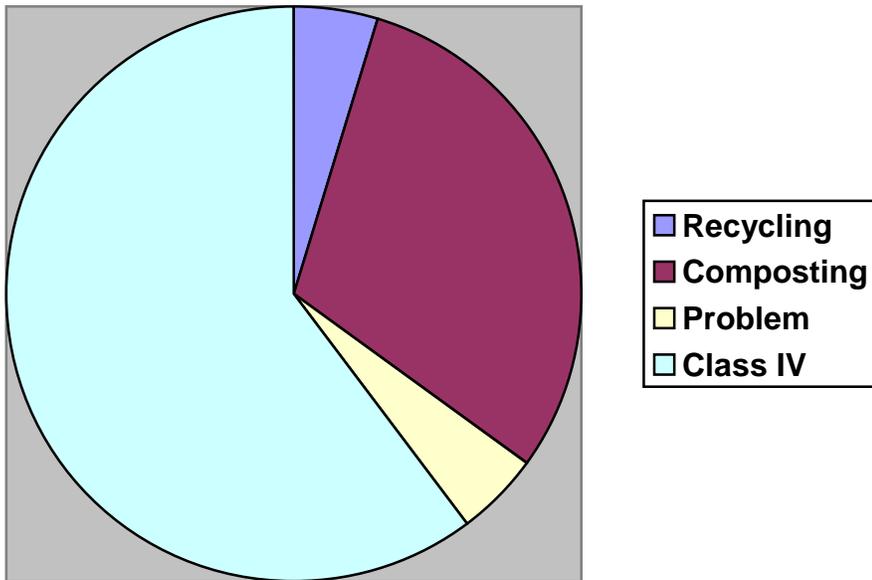
The waste stream during the last needs assessment looked like the following.

Residential 69%
Commercial 12%
Institution 5%
Industrial 8%
Other 6%

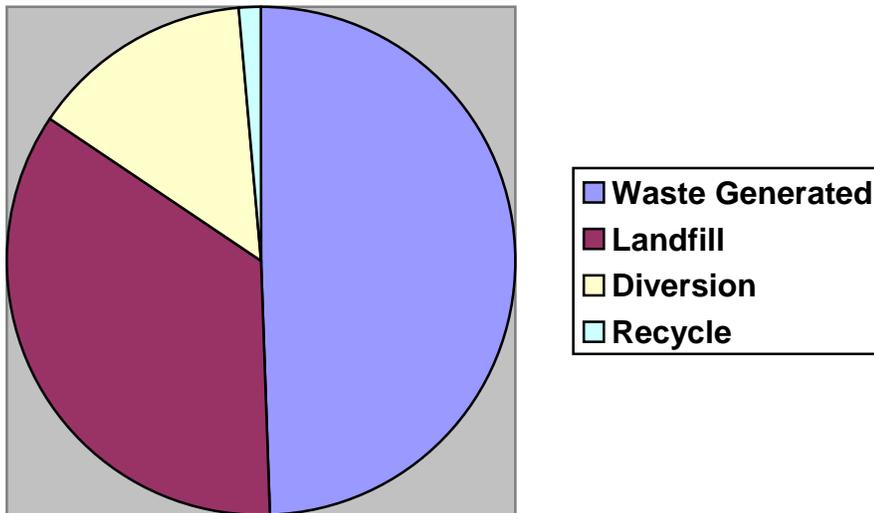


This can be further broken down into the following:

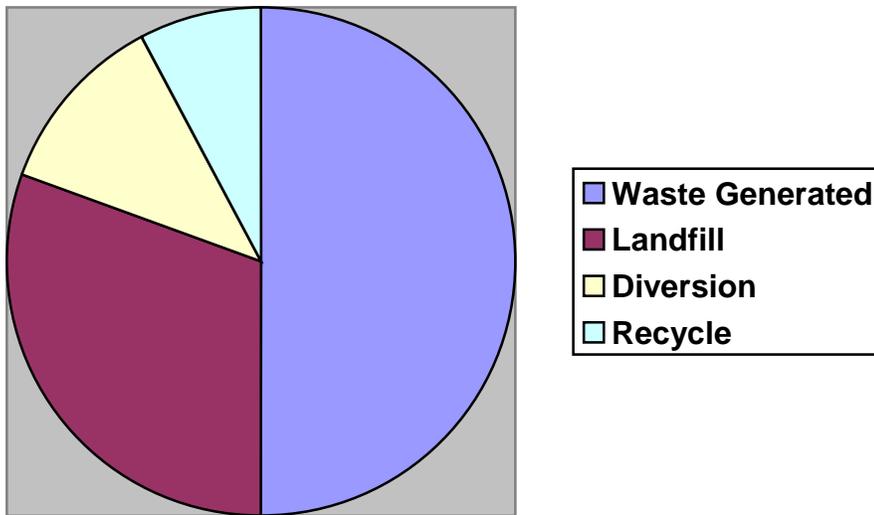
- Recycling – 2,114 – 3%
- Composting – 12,800 – 19%
- Problem Waste – 1,807 – 3%
- Class IV Waste – 25,589 -38%
- Class I Waste – 66,176



Waste Stream 1998 Totals



Waste Stream 2007 Totals



The percentage of waste the waste stream has changed from the 1998 needs assessment to the current needs assessment. Landfill waste was shown as 65% in 1998 and is now 61% of the waste. Diversion methods shown as 27% are now shown as 23.5 %, Recycling efforts shown as 2% are now shown as 15.4%. The chart would show that the generated waste has been reduced from the residents of the County. This could be due to reuse by individuals, commercial awareness of waste, such as over packaging item etc.

Blount County does not have any waste that is entering the region and generated 166,340 tons of waste inside the region. There is no waste leaving the region.

Solid Waste is being handled the following way by the entities in the Blount county Region.

Class I waste is being handled by the City of Alcoa and City of Maryville on a house-to-house basis at least once a week. The waste is then taken to the Class I landfill in Blount County. The municipalities of Friendsville, Rockford and Townsend do not have solid waste services that are provided by the City. They as well as the County have allowed private collection companies to handle the solid waste needs of their residents.

Waste Tires – Waste Tires are being collected in a small amount by the City of Maryville at residential sites. This is done as a service for the elder and handicap individuals. It is not a norm and most residents are directed to take the tires to the landfill or the convenience centers located in the City. A total of 19 tons was collected in 2007. All other municipalities direct tires to the landfill. These tires are collected at the landfill and placed into trailers. The trailers when full are taken by an end user to be processed. There is no charge for the waste tires that meet the grant criteria.

Used Oil – Used oil is collected at the recycling drop off sites in Alcoa, Maryville, Friendsville and Blount County landfill. The used oil is then transported to the entities involved and used at the maintenance shops for heat.

E-Waste is collected at the landfill and the recycling drop off sites and when a full load is collected is taken care of by Scott Computers.

The County at the landfill site handles White Goods/ metals. Containers are placed at the recycling drop off sites and then taken to the landfill. Full loads are then transported by a contract to the market place. White goods are also picked up by Cities door to door on a route system basis or call in basis and taken to the landfill. This program seems to be very effective and no changes are anticipated within the next five-year.

The municipalities are handling brush by running routes for the collection of brush and leaves. The material collected is then taken to the landfill site and placed into the Air Curtain for disposal. The county has a site at the landfill for residents to drop off their brush. Both Maryville and Alcoa have brush chippers and when possible will chip up the brush. The handling of brush could be affected in the future, if the present Air Curtain is no longer allowed to be used due to revised EPA standards. The inability to use the pit burner in the future could affect the waste stream in that the brush could end up in the Class I landfill or the County would have to invest in a tub grinder.

C&D waste is handled at the landfill and placed into the Class III/IV landfill. Residents are allowed to dump their waste at the landfill site. The Cities of Maryville and Alcoa will also collect some of this waste for the residents. The City of Maryville will run a monthly route for the collection of such material. This is for residential use only. Any commercial use is directed to the landfill site. The City of Alcoa will also pick up at the residential homes and also offers roll-off containers for large jobs and then will haul it to

the landfill. The City of Rockford once a quarter by way of a contract with the City of Alcoa will allow residents to set out items that are picked up the Alcoa and transported to the landfill.

Paint is taken in small amounts at the Blount County Landfill. The paint must be latex and it must be in a solid content. Residents are instructed to let the paint in the can dry or use cat litter or some other kind of drying agent. This waste is then disposed of in the landfill. Sprectre, a private recycling entity, handles all other paint waste. If at some point the private market does not handle paint anymore, then the County may have to invest in a paint storage building. The County would then be able to store the paint in a climate control area and be able to save the good paint for reuse and dump the old paint. The County would look at providing the same kind of set-up as Anderson County, whereby the County would utilize a 4-cu.yd container to mix the paint with saw dust for a drying agent and disposal into the landfill. There are no plans at the present time for this to take place.

Recycling efforts vary by each entity in the Region of Blount County. The County has one drop off site at the landfill that collected recyclable items. The City of Maryville has four recycling drop off sites for its residents. The municipalities of Friendsville has a used oil collection site that allows residents to drop off their used oil and the used oil is used for the heating of their maintenance building. The City of Townsend does not provide any recycling collection for their citizens, but private collection sites are available throughout the city limits. Hearts and Hands provide a newspaper collection site at the local IGA and recycling bins are placed in the Arts and Crafts areas of the City. The Town of Louisville and Rockford currently don't participate in recycling efforts. However, Louisville and Rockford are close to both Maryville and Alcoa that allows their residents to recycle at these sites. The Residents in Maryville can recycle mixed paper, magazines, newspapers, phone books, aluminum cans, plastic 1&2, glass and flatten cardboard. The material is collected at the recycling drop off sites using a compartmentalized trailer. The trailers when full are then transported by Spectre recycling by way of contract to be processed and sent to the market place. The City of Maryville also has a waste oil and battery-recycling center located at the Maryville Public Works compound.

The City of Maryville is looking at the option of starting a door-to-door collection of recyclable materials. It will be pattern after the City of Alcoa's collection of recyclable materials.

The City of Alcoa provides house-to-house collection of recyclable materials. This is done by way of a contract with Waste Connection. Residents are allowed to set out recyclables in a recycling container that is picked up once a week. Residents can set out 1&2 plastics, aluminum, tin cans, glass and newspaper. The City is looking at expanding the collection to include office paper. The City of Alcoa is also looking at starting a recycle bank next year. This is a new program that has been started by Waste Connection that will give rewards to participants based on the amount of recycling that is done. Alcoa is looking at starting this program due to the low rate of participation by residents in Alcoa.

Spectre Incorporated through a contract collects the recyclables at the Recycling Drop off sites and processed the materials. Materials processed by them last year included mixed metals, oil filters, cardboard, newspaper mixed paper, mixed glass, plastic, pallets, electronics used oil and antifreeze.

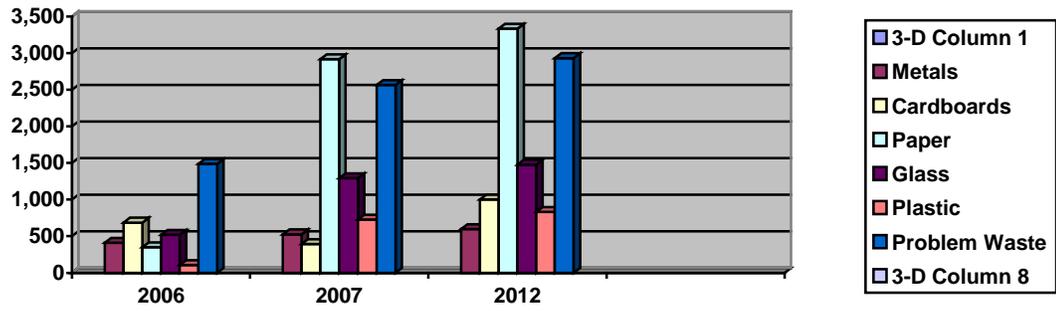
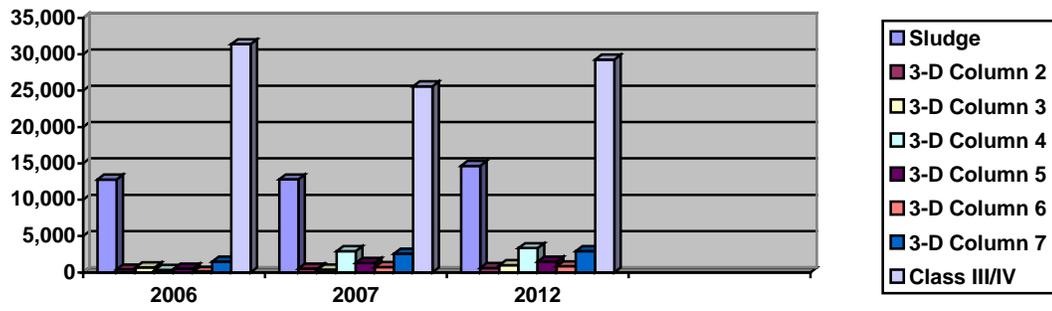
Cardboard Collection is handled by the City of Alcoa through the recycling drop off site at the old public works building. The City of Maryville uses its four recycling drop off sites for cardboard and the County uses its recycling drop off site at the landfill. The cardboard that is collected by Alcoa is handled by Waste Connection and taken by them to be processed. The other cardboard is handled by Spectre and is taken by them to be processed.

Sanitation should increase in the future based on the .55 ton per person at 134,703 populations. The Class III/IV Landfill has a life expectancy of about 30-40 years.

Material	Material - 2006	Material -2007	Material -2012
Sanitation	68,736	66,176	75,737
Metals / White Goods	410	525	598
Cardboard	686	393	1,000
Paper	349	2,915	3,332
Glass	518	1,293	1,476
Plastic	106	728	833
Problem Waste – tires, batteries, automotive fluid, e-waste, paint.	1,488	2,563	2,931
Sewer Sludge	12,775	12,800	14,648
Class III/IV	31,410	25,589	29,287

The following numbers were based on dividing the current items such as white goods into the sanitation number for 2007. That number was then times the 2012 sanitation number. Example $525/66,176 = .0079 \times 75,737 = 598$ These numbers also include Spectre, but do not include the commercial and industrial sector. This is an absolute number based on the population increases and the waste per person. Factors that will effect those numbers are the following:

1. If Alcoa does go to an incentive program for door to door collection of recyclables.
2. City of Maryville begins a door-to-door collection of recyclables.
3. The County expands their recycling drop off sites out into the county.



Item # 4: Waste Collection System and Life Cycle

The Region of Blount County utilizes the private market to collect waste for Blount County and the municipalities of Friendsville, Louisville, Rockford and Townsend. The City of Alcoa and Maryville both provide door-to-door collection of Class I waste. Class III/IV waste is also handled the same way. The cities of Alcoa and Maryville provide routes that are used to provide the collection of Class III/IV waste and take the waste to the Blount County Landfill for proper disposal.

The citizens of Blount County take brush to Blount County landfill for disposal in the Air Curtain. The brush is placed into a designated site and then put into the Air Curtain by Landfill employees. The ash that is generated by the pit burner is emptied about every month and taken to the Class I landfill for disposal. The Cities of Alcoa and Maryville both have house-to-house collection for brush and leaves. These items are taken to the landfill for proper disposal.

Tires are collected at the Blount County landfill site. The tires are placed into a trailer by County employees and hauled to an end user by the contracted company. Some tires are collected at the Convenience Centers, but that use is strictly controlled. The Cities will pick up tires on a call in basis for the City residents and taken to the landfill.

C&D waste is in most instances the responsibility of the resident to dispose of in the landfill. The City of Alcoa does provide a container that can be used for disposal of at the home site and when full, the city will transport to the landfill. Maryville also has a sway car that allows them to pick up such waste when deemed appropriate by the City. The City of Rockford quarterly by way of a contract with the City of Alcoa allows their residents to place C&D waste and white goods out to be picked up and taken to the landfill.

White Goods are to be taken to the landfill by County residents. The Cities of Alcoa and Maryville provide collection on a call in basis for their residents and those items are taken to the Blount County landfill.

Recycling items are collected in the Blount County Region with four recycling drop offs in the City of Maryville. One recycling drop off in the City of Alcoa and the Blount County Landfill. The recyclable items are collected by a private hauler and taken to be processed and marketed. In addition to the City of Alcoa's recycling drop off site, the city provides a house-to-house collection of recyclables. This is handled by a contract with Waste Connection that collects the items and processes the items. The City of Townsend states that private entities have placed recycling drop boxes in the City to pick up newspaper and cardboard.

Used oil is collected and burned at used oil collection sites in the Cities of Alcoa, Maryville and Friendsville. The County also operates a used oil collection site that collects and burns the waste in their maintenance building.

E-waste is collected at the landfill site and disposed of by way of a contract with Scott Computer. Household Hazardous waste is collected during HHW events at least once a year in the County.

Section 5 – Blount County Reduction Rate

Current Year Generation	Current Year Disposal	Base Year Disposal	Current Year Population	% Reduction compared to Base Year	MSW % Reduction Population Ration	MSW % Reduction using Population Econ Ration	Real Time Comparison
108,494	66,176	156,217	39,854	66 %	66%	61%	60%

The Region has met their waste reduction goals in 2007. The region does not expect any problems in meeting these goals in the future. The programs in place should allow the region to continue to improve on waste reduction in the future. The Class III/IV landfill will continue to be a large diversion of waste for the region. Citizens will continue to demand increasing recycling efforts that will be handled by the local governments or private firms. The market has continued to make it beneficial for private firms to operated recycling program in the region of Blount.

Item # 6: 10-Year Regional Disposal Assurance in Blount County Region.

Site Name	Annual Tons Disposed by Blount County	SNL Permit #	Current Landfill Capacity (daily throughput)	Maximum capacity	Projected Life of Facility
Blount County Landfill	66,176	SNL-05-1030105	188 tons per day	Depends on compaction rate and Landfill Design and Operations Plan	20 years remaining

The Blount County Landfill is for the region of Blount only. No out of region waste is accepted. The Region of Blount is made up of Blount County and the municipalities of Alcoa, Friendsville, Louisville, Maryville, Rockford and Townsend.

Site Name	Annual Tons Disposed by Blount County	SNL Permit #	Current Landfill Capacity (daily throughput)	Maximum capacity	Projected Life of Facility
Blount County Class III/IV Landfill	25,588.91	DML-01-0045	73 tons per day	2,555 per day	35 years remaining

Public and Private Collection Service in the Blount County Region

Service Provider	Service Area	Frequency of Service	Estimated average annual tons collected	Type of Service
Blount County	County Wide	Contracted	40,438	Private Haulers
Alcoa	City Limits	Once a week	4,081	Municipal Curbside
Maryville	City Limits	Once a week	12,270	Municipal Curbside
Rockford	City Limits	Contracted	343	Private Haulers
Louisville	City Limits	Contracted	1,061	Private Haulers
Friendsville	City Limits	Contracted	472	Private Haulers
Townsend	City Limits	Contracted	125	Private Haulers

** Estimated tonnage is based on .55 tons per person times population of entity.

Blount County has one registered convenience center at the Blount County Landfill site. The permit Number is CCC-05-0309. The Center operates as a recycling drop off site. The site handles white good/metals, small amounts of paint, e-waste, used oil, cardboard, newspaper, glass, plastic, batteries and tires. The operating hours are 8:00 – 5:30; M-SA.

All commercial and industrial establishments contract out the collection of their waste with private haulers.

Item # 7: Solid Waste Management Infrastructure

Blount County Landfill

Expenditures			
Description	Present Need \$/year	Unmet Needs \$/year	Total Needs (Present + Unmet) \$/year
Salary and Benefits	\$1,179,184.00	\$0	\$1,179,184.00
Transportation/hauling	\$0	\$0	\$0
Collection and Disposal Systems			
Equipment	\$1,162,703.00	\$150,000.00	\$1,312,703.00
Sites	\$0	\$0	\$0
Convenience Center	\$0	\$0	\$0
Transfer Station	\$0	\$0	\$0
Recycling Center	\$0	\$0	\$0
MRF	\$0	\$0	\$0
Landfills	\$0	\$0	\$0
Site	\$184,229.00	\$225,000	\$409,229.00
Operation	\$362,616.00	\$0	\$362,616.00
Closure – See total under post closure	\$0	\$0	\$0
Post Closure Care	\$526,500.00	\$0	\$526,500.00
Administration (supplies, communication cost, etc.)	\$19,310.00	\$0	\$19,310.00
Education	\$0	\$0	\$0
Public			
Continuing Education			
Capital Projects	\$0	\$0	\$0
Revenue			
Host agreement fee	\$0	\$0	\$0
Tipping fees	\$3,434,542	\$0	\$0
Property taxes	\$0	\$0	\$0
Sales tax	\$0	\$0	\$0
Surcharges	\$0	\$0	\$0
Disposal fees	\$0	\$0	\$)
Collection charges			
Industrial or Commercial charges	\$0	\$0	\$0
Residential charges	\$0	\$0	\$0
Convenience Centers charges	\$0	\$0	\$0
Transfer Station charges	\$0	\$0	\$0
Sale of Methane Gas	\$0	\$0	\$0
Other sources: (Grants, bonds, interest, sales, etc.)	\$0	\$0	\$0

Salary: Blount County does not need any additional employees to run their current program. Any new increases in collection will be done with equipment that will offset the time spent by an employee.

Equipment: Improvements to the Air Curtain are needed to meet Air Pollution Standards.

Site: The Class III/IV landfill will be required to make some improvements to the surface water drainage.

All other needs are being met at the present time and in the future.

Blount County Authority / Blount County

Expenditures			
Description	Present Need \$/year	Unmet Needs \$/year	Total Needs (Present + Unmet) \$/year
Salary and Benefits	\$51,016.00	\$0	\$51,016.00
Transportation/hauling	\$0	\$0	\$0
Collection and Disposal Systems			
Equipment	\$0	\$0	\$0
Sites	\$0	\$0	\$0
Convenience Center	\$0	\$0	\$0
Transfer Station	\$0	\$0	\$0
Recycling Center	\$0	\$0	\$0
MRF	\$0	\$0	\$0
Landfills	\$0	\$0	\$0
Site	\$0	\$0	\$0
Operation	\$0	\$0	\$0
Closure – See total under post closure	\$0	\$0	\$0
Post Closure Care	\$0	\$0	\$0
Administration (supplies, communication cost, etc.)	\$44,129.00	\$0	\$44,129.00
Education	\$0	\$0	\$0
Public			
Continuing Education			
Capital Projects	\$0	\$0	\$0
Revenue			
Host agreement fee	\$0	\$0	\$0
Tipping fees	\$0	\$0	\$0
Property taxes	\$95,145.00	\$0	\$95,145.00
Sales tax	\$0	\$0	\$0
Surcharges	\$0	\$0	\$0
Disposal fees	\$0	\$0	\$0
Collection charges			
Industrial or Commercial charges	\$0	\$0	\$0
Residential charges	\$0	\$0	\$0
Convenience Centers charges	\$0	\$0	\$0
Transfer Station charges	\$0	\$0	\$0
Sale of Methane Gas	\$0	\$0	\$0
Other sources: (Grants, bonds, interest, sales, etc.)	\$0	\$0	\$0

All needs are being met in the present and future.

City of Alcoa

Expenditures			
Description	Present Need \$/year	Unmet Needs \$/year	Total Needs (Present + Unmet) \$/year
Salary and Benefits	\$597,213.00	\$0	\$597,213.00
Transportation/hauling	\$348,597.00	\$0	\$348,597.00
Collection and Disposal Systems			
Equipment	\$14,230.00	\$0	\$14,230.00
Sites	\$0	\$0	\$0
Convenience Center	\$0	\$0	\$0
Transfer Station	\$0	\$0	\$0
Recycling Center	\$0	\$0	\$0
MRF	\$0	\$0	\$0
Landfills	\$349,566	\$0	\$349,566
Site	\$0	\$0	\$0
Operation	\$0	\$0	\$0
Closure – See total under post closure	\$0	\$0	\$0
Post Closure Care	\$0	\$0	\$0
Administration (supplies, communication cost, etc.)	\$13,453.00	\$0	\$13,453.00
Education	\$0	\$0	\$0
Public			
Continuing Education			
Capital Projects	\$0	\$0	\$0
Revenue			
Host agreement fee	\$0	\$0	\$0
Tipping fees	\$3,434,542	\$0	\$0
Property taxes	\$0	\$0	\$0
Sales tax	\$0	\$0	\$0
Surcharges	\$0	\$0	\$0
Disposal fees	\$0	\$0	\$)
Collection charges			
Industrial or Commercial charges	\$0	\$0	\$0
Residential charges	\$0	\$0	\$0
Convenience Centers charges	\$0	\$0	\$0
Transfer Station charges	\$0	\$0	\$0
Sale of Methane Gas	\$0	\$0	\$0
Other sources: (Grants, bonds, interest, sales, etc.)	\$0	\$0	\$0

All needs are being met in the present and future.

City of Maryville

Expenditures			
Description	Present Need \$/year	Unmet Needs \$/year	Total Needs (Present + Unmet) \$/year
Salary and Benefits	\$1,448,376	\$0	\$1,448,376
Transportation/hauling	\$339,703.00	\$0	\$339,703.00
Collection and Disposal Systems			
Equipment	\$10,000.00	\$0	\$10,000.00
Sites	\$0	\$0	\$0
Convenience Center	\$0	\$0	\$0
Transfer Station	\$0	\$0	\$0
Recycling Center	\$0	\$0	\$0
MRF	\$0	\$0	\$0
Landfills	\$770,000.00	\$0	\$770,000.00
Site	\$0	\$0	\$0
Operation	\$0	\$0	\$0
Closure – See total under post closure	\$0	\$0	\$0
Post Closure Care	\$0	\$0	\$0
Administration (supplies, communication cost, etc.)	\$17,010.00	\$0	\$17,010.00
Education	\$0	\$0	\$0
Public			
Continuing Education			
Capital Projects	\$0	\$0	\$0
Revenue			
Host agreement fee	\$0	\$0	\$0
Tipping fees	\$3,434,542	\$0	\$0
Property taxes	\$0	\$0	\$0
Sales tax	\$0	\$0	\$0
Surcharges	\$0	\$0	\$0
Disposal fees	\$0	\$0	\$)
Collection charges			
Industrial or Commercial charges	\$0	\$0	\$0
Residential charges	\$0	\$0	\$0
Convenience Centers charges	\$0	\$0	\$0
Transfer Station charges	\$0	\$0	\$0
Sale of Methane Gas	\$0	\$0	\$0
Other sources: (Grants, bonds, interest, sales, etc.)	\$0	\$0	\$0

All needs are being met in the present and future.

All of the other municipalities, Friendsville, Louisville, Rockford and Townsend do not have solid waste budgets.

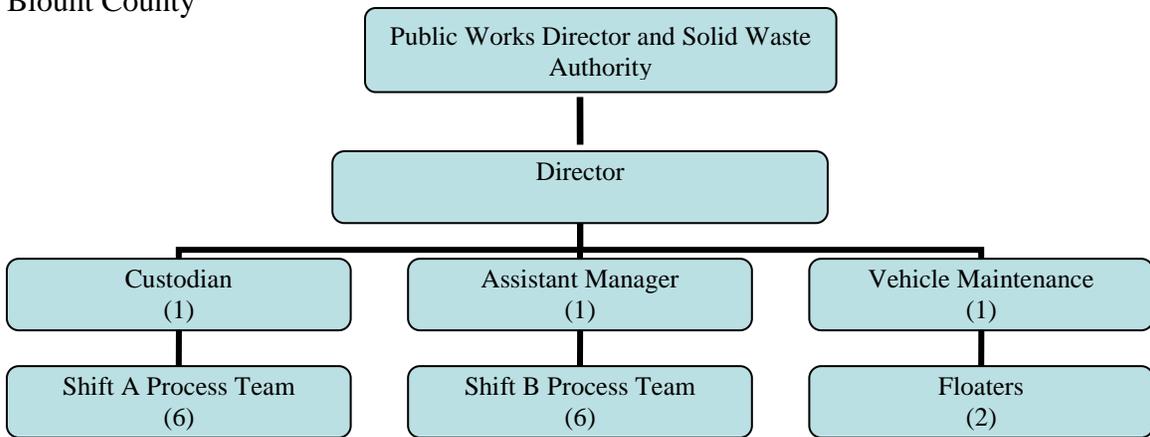
Item # 8: Solid Waste Department Organization and Location

Blount County

Staffing for Blount County Landfill is 18 workers. The landfill has two landfill operation teams of six each, one vehicle maintenance mechanic, one custodian and two other workers that can operate heavy equipment. The administrative staff includes a assistant manager and a solid waste manager.

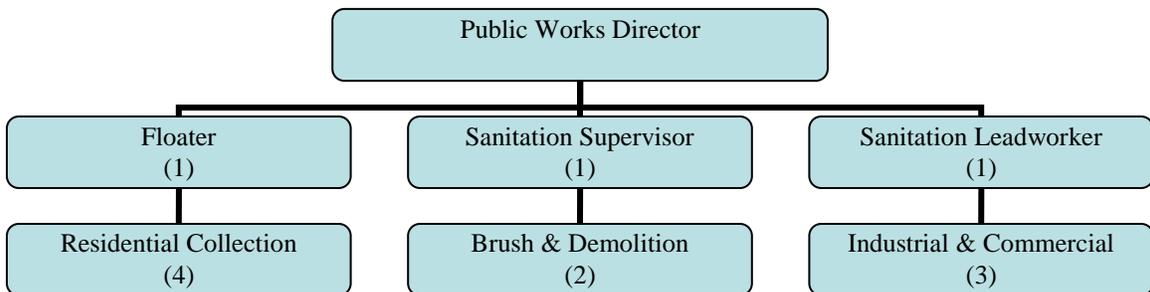
All of these employees operate out of the Blount County Landfill site located at 240 Long Powers Road, Friendsville, TN.

Blount County

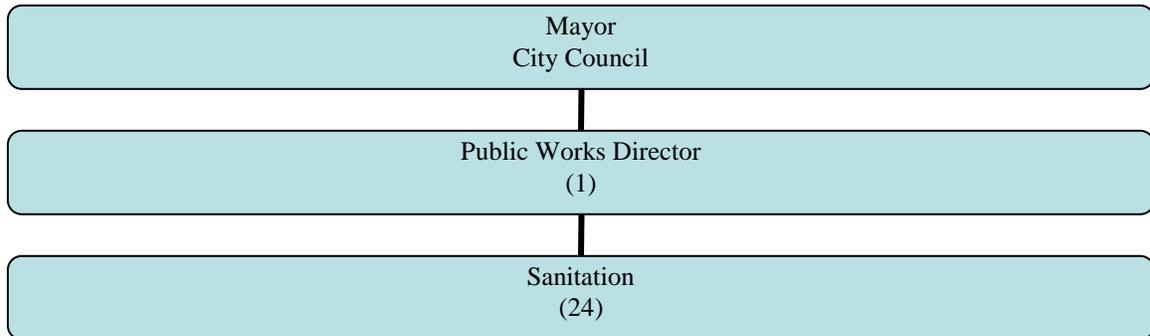


Alcoa

Error!



Maryville



None of the other municipalities have solid waste departments in the Region.

Item # 9: Future Waste Management Needs

Blount County

Collection

Equipment	Operational Use	Estimated Cost	Potential Revenue Source
Air Curtain		\$125,000	Permit Fees

Disposal

Site	Operational Use	Estimated Cost	Potential Revenue Source
Class III/IV improvements		\$250,000	Tipping Fees

The Region of Blount is looking at ways to increase the participation rate of its residents. The City of Alcoa is looking at an incentive program that will reward participants based on the amount of waste that is recycled. It is my opinion that no additional equipments will be needed to start this program. The program will be contracted out to a private company. The City of Maryville is also looking to expand their recycling opportunities by going to a door-to-door collection of recycling. This recycling program will also be contracted out and no new equipment will be needed by the City to operate the program.

Blount County landfill has a contract with a private company to handle the waste that is collected at the convenience center. It is my belief that the region should be generating revenues off the collection of this material. The current contract has all revenues generating going to the private hauler. A new contract would not cause the County to have to purchase new collection equipment, since the County already owns the equipment.

The Cities of Rockford and Louisville do to their proximities to Alcoa and Maryville will not benefit from having their own recycling collection sites. The expense would definitely not offset the additional recycling collected by having their own recycling drop off sites. Their residents currently utilize the recycling drop off sites at the City of Maryville and City of Alcoa.

The City of Townsend utilizes private drop off sites within their region and will not need to purchase any equipment in the future.

The City of Friendsville is the only City that could benefit from a recycling drop off site due to the distance from current recycling drop off sites. The City could set up a drop off site at City Hall that could be collected by the same private company that services the recycling drop off sites in Alcoa and Maryville. The City would need to purchase a 40-yard roll-off container that could possibly be purchased with the help of grants funds.

Item # 10: Residents Attitude and Participation

No surveys have been done to measure the public's attitude of Blount County residents concerning support for environmental programs. The residents that are recycling are impressed with the program and the ease that the County and the Cities have made it for them to recycle. The ease of the program should make everyone willing to recycle, but the mindset is still not there in the older population. Recycling rates have increased in the region, but both municipalities, Alcoa and Maryville feel that they can get more participation in the future. It should be noted that the litter control team has not seen a drop in litter over the last few years, which suggests that although the recycling numbers have picked up, there are still residents that need to be reached. Blount County continues to educate the children on the need and benefit of recycling. This has proved successful in that most teens when you talk to them think that littering is very un-cool and are concerned with the future of the environment. As these students continue to get older and have families of their own, recycling participation will continue to grow. In looking at the recycling program, it is my belief that Blount County will be able to handle this growth and has a good base from which to expand in the future.

Item # 11: Regional Solid Waste Plan

The Region's plan for the next five years is to expand services within the recycling and waste diversion divisions. The County will continue to upgrade the Class III/IV landfill to meet new guidelines in order to keep the landfill operational. The County will also upgrade the Air Curtain in order to continue using this equipment in the future. No major changes on how these two systems are operated are planned in the near future.

The Region will continue to rely upon HHW events to get the majority of household hazardous waste collected. The landfill operation has expanded to collect some household hazardous waste on a small basis. The Region in the future may need to expand their paint collection at the landfill site. This will entail the County to purchase a paint storage building that will give the County a place to store the paint. This will allow the County to go through the paint and save the good paint for reuse and dispose of the other paint. This will help residents to become better environmental stewards. There is currently no problem with paint collection due to the private haulers. However, future market may determine this need.

Recycling programs have shown how the public and private entities can work together to provide recycling opportunities in the Region of Blount. The City of Alcoa has been providing house-to-house collection of recyclable for their residents. They feel that the residents are not taking advantage of this program and are looking at an incentive program in the future that will promote more participants into the program. This program will involve a partnership with a private company. The City of Maryville is also looking at expanding its recycling program to include house-to-house collection in the future. This will also involve a partnership with a private company.

Blount County unlike other Counties has not relied upon the commercial and industrial sectors to provide enough reduction in order to meet the 25% reduction. The County has worked hard to provide one of the best recycling programs in the area. The waste diversion program will need to continue to improve. It is the County's belief that the intent of the law when it was passed was to get public entities involved in the waste reduction effort. With the all the programs that the County has it is unfortunate that they could get penalized for not meeting the reduction goals.

Sources:

Blount County Landfill
Blount County Chamber of Commerce
U.S. Census Bureau
City of Alcoa
Town of Friendsville
City of Louisville
City of Maryville
Town of Rockford
Town of Townsend
Hunter Interests Incorporated

