

SOUTH CENTRAL TENNESSEE DEVELOPMENT DISTRICT

# Solid Waste Needs Assessment

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Hickman County

2008

## Introduction

The Solid Waste Management Act of 1991 requires that local governments comprehensively plan to manage their solid waste through modern, integrated, and efficient systems. In order to assure that such planning is carried out on the solid foundation of relevant and objective knowledge of local conditions, the Act requires that the staff of the Development District coordinate, conduct and maintain a Needs Assessment for each municipal solid waste planning region. This assessment shall be revised every five years [T.C.A. 68-211-811].

At minimum, each plan should include the following items:

1. Demographic information & projections;
2. An analysis of economic activity within the region;
3. Characterization of the waste stream;
4. Projections of solid waste generation;
5. Evaluation of the collection systems for every municipality & county within the region;
6. Evaluation of existing, new or expanded solid waste capacity and management facilities within the region;
7. A statement of goals that are consistent with the state plan;
8. An analysis of existing or potential waste flows within the region and between adjacent regions;
9. A comparison of projected demands from the waste generation & importation of waste with available and projected capacity and an identification of potential shortfalls in capacity;
10. Any additional information as the commissioner may require.

## Section 1:

### Demographic Information and Projection

*Provide a table and chart showing the region's population for the last ten years with a projection for the next five years. Provide a breakdown by sub-table and sub-chart, or some similar method of detail all county and municipality populations. Discuss projected trends and how it will affect solid waste infrastructure needs over the next five years.*

### Population Trends in Hickman County

Hickman County's annual population change has been

Year	County Population	Centerville	Unincorporated
1998	22,115	Not Available	22,115
1999	22,276	Not Available	22,276
2000	22,438	3,824	18,614
2001	22,707	3,828	18,879
2002	23,058	3,865	19,193
2003	23,080	3,900	19,180
2004	23,397	3,944	19,453
2005	23,392	3,936	19,456
2006	23,525	3,946	19,579
2007	23,768	3,978	19,790
2008	23,940	3,984	19,956
2009	24,113	3,990	20,123
2010	24,287	3,997	20,291
2011	24,463	4,003	20,460
2012	24,640	4,009	20,631
2013	24,818	4,015	20,803
2014	24,997	4,021	20,976

\*Historic data are from the U.S. Census Bureau and Hickman County Economic & Community Development Association. Projections are from U.S. Census Bureau Population Estimates.

The population in this area estimated a change from 22,438 to 23,940, resulting in a growth of 6.3 % between 2000 and the current year. Over the next five years the population is projected to grow by 3.6%.

Unincorporated areas comprise the majority of the county's population. The City of Centerville hosts approximately 17% of Hickman County's population.

## Section 2:

### Economic Activity Within The Region

Provide a table and chart showing the region's economic profile for all county and municipalities for the last ten years with a projection for the next five years. This can be accomplished by using the following economic indicators:

- Taxable sales, property tax generation, and per capita income
- Evaluation by break down of each economic sector
- County or municipal budgeting information
- Other commonly accepted economic indicators

### Economic Profile of Hickman County

Average household income for Hickman County residents is estimated to be \$43,453 for the current year, while the average household income for the United States is estimated to be \$67,918 for the same time frame. The average household income for Hickman County is expected to increase by 9.5% over the next five years, making the average household income in 2013 approximately \$47,567. The current year per capita income for this area is \$16,731, compared to an estimate of \$25,933 for the United States as a whole.

<i>Per Capita Income for Hickman County by Year</i>	
1998	\$17,088
1999	\$17,912
2000	\$17,541
2001	\$17,739
2002	\$17,628
2003	\$18,279
2004	\$19,375
2005	\$20,253
2006	\$21,450
2007	\$22,010
2008	\$22,585
2009	\$23,174
2010	\$23,779
2011	\$24,400
2012	\$25,037
2013	\$25,691
2014	\$26,362

*\*Projections and Estimations provided by Daryl Phillips, HCECDA*

Retail Sales	
1998	\$62,370,897
1999	\$68,113,522
2000	\$75,745,744
2001	\$79,761,978
2002	\$76,538,565
2003	\$80,302,968
2004	\$87,254,847
2005	\$87,816,551
2006	\$96,335,188
2007	\$114,397,729
2008	\$120,677,673
2009	\$127,302,360
2010	\$134,290,713
2011	\$141,622,697
2012	\$149,439,371
2013	\$157,642,951
2014	\$166,296,873

\*Projections and Estimations provided by Daryl Phillips, HCECDA from the Tennessee Department of Revenue.

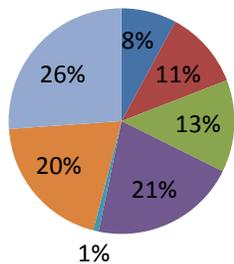
For Hickman county, 42.5% of the population is estimated to be employed and age 16 and over for the current year. The average for the United States is 47.2%. The labor force employment status is compared below between County and National:

Employment Status	Hickman County	United States
Armed Forces	.1%	.5%
Employed Civilians	53.1%	60.2%
Unemployed Civilians	2.5%	3.6%
Non Labor Force	44.3%	35.7%

\* Hickman County Executive Summary 2009, Daryl Phillips, HCECDA

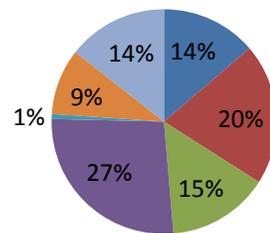
## Hickman County Occupations

- Management, Business, Financial Operations
- Professional and Related Occupations
- Service
- Sales and Office
- Farming, Fishing, Forestry
- Construction, Extraction, Maintenance
- Production, Transportation, Material Moving



## United States Occupations

- Management, Business, Finance Operations
- Professional and Related Occupations
- Service
- Sales and Office
- Farming, Fishing, Forestry
- Construction, Extraction, Maintenance
- Production, Transportation, Material Moving



\* *Hickman County Executive Summary, Daryl Phillips, HCECDA*

## Industry in Hickman County

Hickman County's close proximity to interstate 40 makes it an ideal stop for industrial and manufacturing settlements. Hickman County reported eight major industrial manufacturers/distributors with over twenty five employees. In addition to its strategic location, Middle Tennessee offers other advantages to a wide variety of industries:

- Cap on franchise/inventory tax for distribution/warehousing facilities
- Tax incentives on machinery, manufacturing and distribution equipment/racking systems
- Jobs Tax Credit Program
- Abundant workforce in "Right-to-Work" state
- Reliable TVA electric power
- Highly-developed transportation system

### Labor Force Data

Year	Total	Employment	Unemployment	
			Total	Rate%
<b>1997</b>	8300	7810	510	13.6
<b>1998</b>	8170	7600	570	7.0
<b>1999</b>	8020	7550	470	5.9
<b>2000</b>	9870	9540	410	4.2
<b>2001</b>	9890	9380	510	5.2
<b>2002</b>	9970	9370	600	6.0
<b>2003</b>	9930	9330	600	6.0
<b>2004</b>	10100	9480	630	6.2
<b>2005</b>	10180	9550	630	6.2
<b>2006</b>	10270	9720	550	5.4
<b>2007</b>	10470	9920	550	5.3
<b>2008</b>	10220	9390	830	8.2

*\*Tennessee Department of Labor and Workforce Development*

### Section 3:

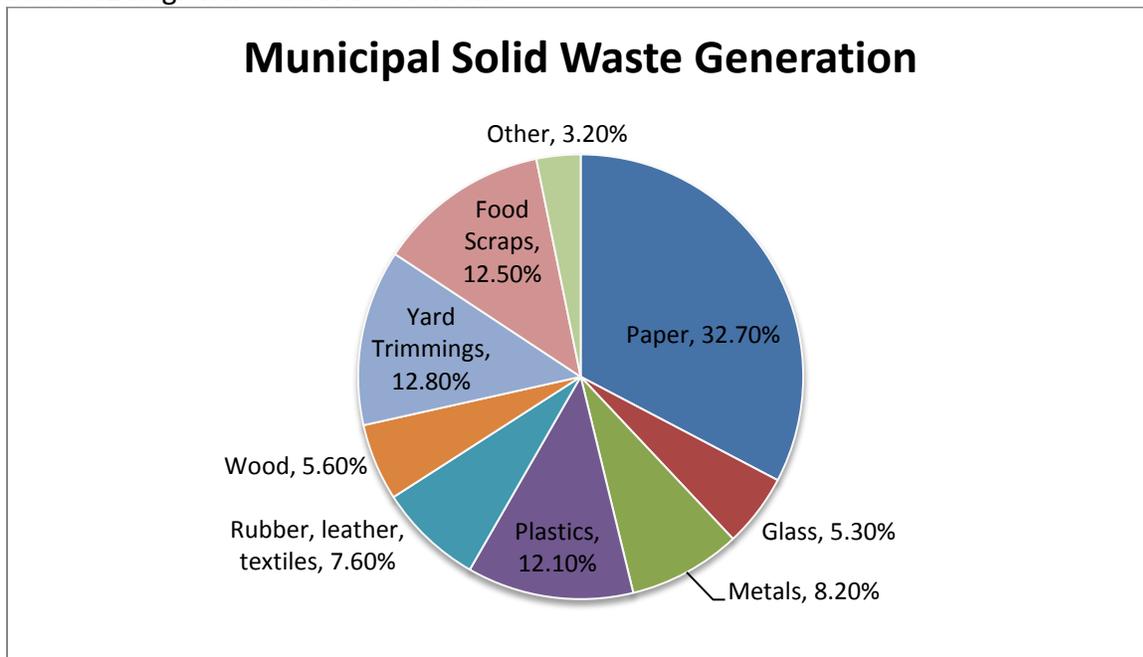
#### Solid Waste Stream Characterization

*Elaborate on the entire region's solid waste stream. Compare today's waste stream with anticipated waste stream over the next five years. How will the total waste stream be handled in the next five years? Include in this discussion how problem wastes like waste tires, used oil, latex paint, electronics and other problem wastes are currently handled and are projected to be handled in the next five years. What other waste types generated in this region require special attention? Discuss disposal options and management of these waste streams as well as how these waste streams will be handled in the future. Include in this discussion how commercial or industrial wastes are managed. Also provide an analysis noting source and amounts of any wastes entering or leaving out of the region.*

#### Regional Solid Waste Stream

Total waste generation percentages in Hickman County are consistent with national data collected, as illustrated in the following table.

Table 3.1 Regional Solid Waste Stream



\*Source: Municipal Solid Waste Generation, Recycling, and Disposal in the United States: Facts and Figures for 2007,

Reported disposal tonnages have been calculated to estimate solid waste generated from the residential and commercial sectors in Hickman County, including Centerville.

Sector	Percentage of Hickman County Regional Total
Residential	45%
Commercial	25%
Institutional	10%
Industrial	20%

Hickman County has various contracts to help reuse some of the wastes that present more of a challenge in disposing. For example, Hickman County pulls any scrap tire that is still on the rim. They remove the rims and sell as scrap metal to Samuel Marlow. They've also entered into a contract with Mac Tire to shred tires. The Hickman County Transfer Station has now created a place for tires to be recycled. Residents are allotted a total of five tires per year to dispose of at no cost, after the five tire quota has been reached, a small fee is charged to dispose of any additional tires.



Hickman County Transfer Station—Tires are now collected at the county's Transfer Station Site. Citizens may leave their tires and Transfer crew will toss them into the container to be collected by Mac Tire.

For gas tanks, again, Hickman County Solid Waste crushes and sells the scrap metal to Samuel Marlow. Hickman County has a contract with Tennessee Battery to dispose of batteries.

While there is no permanent facility in existence to collect paint, it is accepted at Household Hazard Events. However, Hickman County Solid Waste is working on a permanent collection site for paint. A container for paint has been purchased for oil and latex based paints. Hickman County Solid Waste Director Marty Turbeville is in the process of procuring all the necessary permits and documentation to begin collecting paint at the Hickman County Transfer station.



Left: The container Hickman County Solid Waste anticipates using for the collection of paint. Shelves will be attached on either side to collect oil based and latex paints.

Hickman County has a contract with Creative Recycling in which the company will take all electronic waste. When the Recycling Center collects 25 pallets of electronic waste Creative Recycling will pick up the pallets given that less than two percent are television sets.

Used oil is collected at Shady Grove Convenience Center and at the County Transfer Station. Thanks to a grant from TDEC in 08-09, the Hickman County Transfer Station is able to burn this oil.



Left: New equipment provided by the grant from TDEC now allows for oil to be burned at the new recycle center.

Right: New equipment provided by the grant from TDEC now allows for oil to be collected at Shady Grove Convenience Center.



## Section 4:

### Regional Collection Systems

*Describe in detail the waste collection system of the region and every county and municipality. Provide a narrative of the life cycle of solid waste from the moment it becomes waste (loses value) until it ceases to be a waste by becoming a useful product, residual landfill material or an emission to air or water. Label all major steps in this cycle noting all locations where wastes are collected, stored or processed along with the name of operators and transporters for these sites.*

### Solid Waste and Recycling Collection Services

Hickman County hosts four convenience centers and has four roving convenience sites throughout the county. Waste collected from these areas is transferred to one of four landfills, West Camden Sanitary Landfill, Waste Services of Decatur, Cedar Ridge Landfill, or Hickman County Demolition Landfill. Annual disposal costs comprise over 70% of Hickman County's Solid Waste Budget. Therefore, special emphasis is placed on the ongoing efforts to produce less waste and create more efficient recycling management plans.

One goal Hickman County would like to achieve is a Material Recovery Facility. While the Transfer Station serves the needs of the county, thus far, a Material Recovery Facility will allow for a greater reduction in the waste stream.

For example, on a site visitation at the Transfer Station, Director Marty Turbeville pointed out an area in which he would like to begin collecting items for a not-for-profit organization like Goodwill or the Salvation Army for items that may not be recycled. He would like to see this enacted by the 09-10 year. Not only will this cut out a large portion of the solid waste stream, collecting items like clothing at a site like this will benefit communities and those in need.



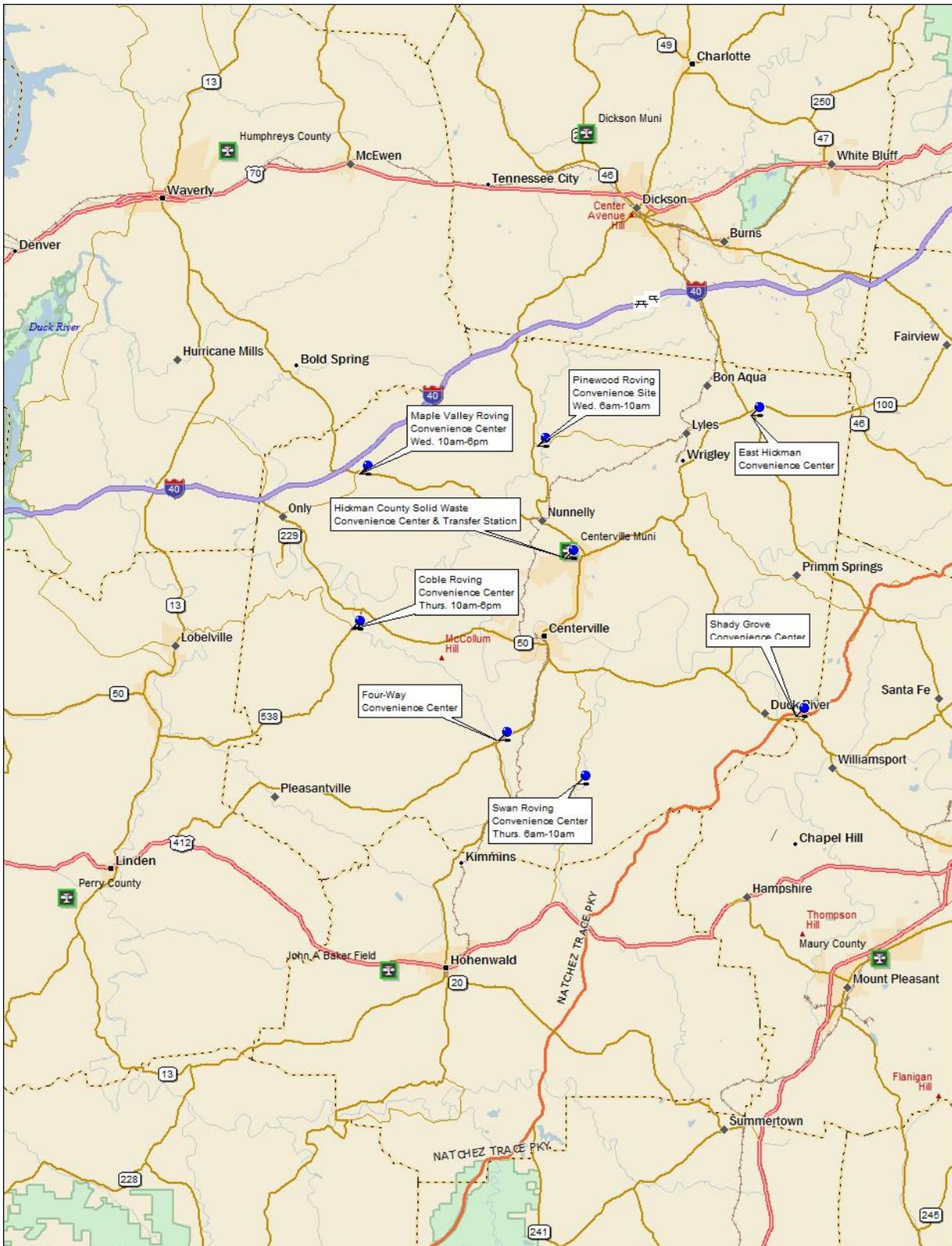
Left: This trailer is currently used for weighing trucks. Director Marty Turbeville has plans to use it for non-recyclable collections.

## Solid Waste Facility Operating Hours and Recyclable Materials Collected

Site Name	Day of the Week							Recyclable Materials	
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday		
Hickman County Solid Waste Management Convenience Center	7:00 a.m. to 4:30 p.m.						8:00am to 2:00pm	Closed	Metals, Paper, Glass, Batteries, Plastics, Tires, Auto Fluid, other
East Hickman County Solid Waste Management Convenience Center	6:00 am to 2:00 pm	11:00 am to 7:00 pm	7:00 am to 3:00 pm	11:00 am to 7:00 pm	6:00 am to 2:00 pm	7:00 am to 3:00 pm	Closed	Paper, Batteries, Plastic, Auto Fluid, Other	
4 Way Convenience Center	6:00 am to 2:00pm	11:00 am to 7:00pm	7:00 am to 3:00 pm	11:00 am to 7:00 pm	6:00 am to 2:00 pm	7:00 am to 3:00 pm	Closed	Paper, Plastic, Other	
Shady Grove Convenience Center	6:00 am to 2:00pm	11:00 am to 7:00pm	7:00 am to 3:00 pm	11:00 am to 7:00 pm	6:00 am to 2:00 pm	7:00 am to 3:00 pm	Closed	Paper, Plastic, Other	

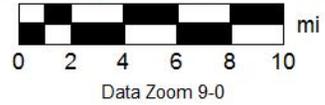
Hickman County is in compliance with the state statute. Based on population, Hickman County is required to have 4 convenience centers.





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## Section 5:

### **Regional Solid Waste Reduction Goal**

*The Solid Waste Management Act of 1991 states that all regions must reduce the amount of waste going into Class I landfills by 25%. Amendments to the Act allow for consideration of economic growth, and a “qualitative” method in which the reduction rate is compared on a yearly basis with the amount of Class I disposal. Provide a table showing reduction rate by each goal calculation methodology. Discuss how the region made the goal by each methodology or why they did not. If the Region did not meet the 25% waste reduction goal, what steps or infrastructure improvements should be taken to attain the goal and to sustain this goal in the future.*

The State indicates that Hickman County has achieved the 25% waste reduction rate. In 2008, Hickman County exceeded the goal by achieving a 55.56% diversion rate. Hickman County continues to improve methods for diverting waste going into Class I landfills. This is accomplished by increasing education and maintaining safe, clean, and accessible sites for recycling. The county provides ample opportunities for citizens to make use of facilities even by facilitating a mobile recycling collection. This has allowed for the more rural residents to have access to disposal.

Staff at the transfer station pays special attention to items that may be pulled from the waste stream such as scrap metal from tires and other wastes. Hickman County collected approximately 140 tons of residential mixed metal in 2008 and 2,009 tons of auto body scrap metal.

## Section 6:

### Solid Waste Disposal Capacity

*Provide a chart indicating current collection and disposal capacity by facility site and the maximum capacity the current infrastructure can handle at maximum through put. Provide this for both Class I and Class III/IV disposal and recycled materials. Identify and discuss any potential shortfalls in materials management capacity whether these are at the collection or processor level.*

Site Name	Current Landfill Capacity (daily throughput)	Maximum Capacity	Projected Life of Facility
<b>Class III/IV Landfill</b>	100 tons	Current	12-15 years
<b>Hickman County Solid Waste Management Convenience Center</b>	850 tons (combined centers) *		Indefinite
<b>East Hickman County Solid Waste Management Convenience Center</b>	150 tons*		Indefinite
<b>4 Way Convenience Center</b>	28 tons (new center)*		Indefinite
<b>Shady Grove Convenience Center</b>	30 tons (new center)*		Indefinite

\*per month

## Section 7:

### **Financial Information**

*Provide a cost summary for current year expenditures and projected increased costs for unmet needs.*

*See following 3 pages.*

Hickman County, Tennessee  
Solid Waste Disposal Fund 207  
Statement of Proposed Operations  
For the Fiscal Year Ending June 30, 2009

<u>Account No.</u>	<u>Description</u>	<u>Actual 2006-2007</u>	<u>Estimated 2007-2008</u>	<u>Estimated 2008-2009</u>
<b><u>ESTIMATED REVENUE</u></b>				
<b><u>OPERATING REVENUE</u></b>				
43000	<b><u>CHARGES FOR CURRENT SERVICES</u></b>			
43100	<b><u>General Services Charges</u></b>			
43106	Commercial & Industrial Collection Charge	115,966	105,000	110,000
43107	Residential Waste Collection Charge	145,650	80,000	80,000
43110	Tipping Fees	22,553	22,000	22,000
43114	Solid Waste Disposal Fee	640,146	720,000	730,000
	Total Charges for Current Services	924,315	927,000	942,000
44000	<b><u>OTHER LOCAL REVENUES</u></b>			
44100	<b><u>Recurring Items</u></b>			
44110	Investment Income	32,878	25,000	28000
44120	Lease/Rentals	3,777	3,500	3500
44145	Sale of Recycled Materials	52,309	40,000	60000
44170	Miscellaneous Refunds	0	0	0
	Total Other Local Revenues	88,964	66,500	91,500
48000	<b><u>STATE OF TENNESSEE</u></b>			
46400	<b><u>Public Works Grants</u></b>			
46430	Litter Program	29,751	29,237	31,668
	Total Public Works Grants	29,751	29,237	31,668
46800	<b><u>Other State Revenues</u></b>			
46980	Other State Grants	27,033	38,000	38,000
	Total Other State Revenues	27,033	38,000	38,000
	Total State of Tennessee	56,784	67,237	69,668
	Total Estimated Revenues	1,070,063	1,062,737	1,103,368

<u>Account No.</u>	<u>Description</u>	<u>Actual 2006-2007</u>	<u>Estimated 2007-2008</u>	<u>Estimated 2008-2009</u>
<b><u>ESTIMATED EXPENDITURES</u></b>				
<b>55000 PUBLIC HEALTH AND WELFARE</b>				
<b>55710 Sanitation Management</b>				
105	Supervisor/Director	38,902	39,852	46,000
106	Deputy(ies)	22,575	23,820	25,343
121	Data Processing Personnel	20,437	21,700	23,017
143	Equipment Operators	22,897	24,758	26,292
144	Equipment Operators-Heavy	27,731	29,100	30,514
149	Laborers	102,148	131,057	149,943
162	Clerical Personnel	19,638	21,877	23,017
169	Part-Time Personnel	3,438	10,000	15,000
186	Longevity Pay	0		3,200
187	Overtime Pay	709	4,000	4,300
189	Other Salaries and Wages	0	0	0
201	Social Security	20,194	25,500	27,781
204	State Retirement	34,077	40,000	42,000
207	Medical Insurance	52,376	47,697	51,036
302	Advertising	815	1,000	1,200
307	Communication	6,704	6,000	6,000
317	Data Processing Services	0	2,500	3,000
318	Debt Collection Services	14,784	15,000	15,000
321	Engineering Services	0	5,000	5,000
331	Legal Services	510	0	0
335	Maintenance and Repair Services - Buildings	3,488	6,000	6,000
336	Maintenance & Repair Services - Equipment	15,920	22,000	22,000
338	Maintenance & Repair Services - Vehicles	1,867	5,000	5,000
347	Pest Control	0	600	600
348	Postal Chrges	2,402	2,500	2,500
349	Printing, Stationery and Forms	985	500	500
351	Rentals	900	2,000	2,000
355	Travel	1,249	3,000	3,000
359	Disposal Fees	272,837	255,000	265,000
399	Other Contracted Services	705	5,000	5,000
410	Custodial Supplies	1,135	1,600	1,600
412	Diesel Fuel	29,751	30,000	40,000
415	Electricity	10,231	10,000	12,000
420	Fertilizer, Lime Chemicals and Seed	600	1,000	1,000
425	Gasoline	2,641	3,000	4,500
433	Lubricants	1,784	2,000	2,000
435	Office Supplies	2,451	2,500	2,500
438	Other Road Materials	600	1,000	1,000
446	Small Tools	0	1,000	1,000
450	Tires and Tubes	6,439	9,000	9,000
451	Uniforms	3,589	3,000	3,500
452	Utilities	646	750	750

Account No.	Description	Actual 2006-2007	Estimated 2007-2008	Estimated 2008-2009
462	Wire	918	1,500	1,500
463	Testing	16,836	17,000	17,000
498	Other Supplies and Materials	2,871	4,000	4,000
510	Trustees Commission	10,171	10,000	11,000
514	Depreciation	25,079	45,171	45,171
517	Surcharge	4,000	4,000	4,000
602	Principal on Notes	0	37,500	37,500
604	Interest on Notes	3,919	18,529	18,529
706	Building Construction	0	0	0
708	Communication Equipment	0	300	300
715	Land	0	0	0
719	Office Equipment	1,080	3,000	3,000
733	Solid Waste Equipment	31,212	102,642	31,407
791	Other Construction	8,904	10,000	10,000
	Total Sanitation Management	852,533	1,068,951	1,071,500
60000	<u>HIGHWAYS</u>			
64000	<u>Litter and Trash Collection</u>			
103	Assistant(s)	3,461	3,929	3,929
105	Supervisor/Director	20,566	21,008	21,008
302	Advertising	1,538	0	0
338	Maintenance and Repair Services - Vehicle	14	0	0
425	Gasoline	2,314	0	631
429	Instructional Supply and Materials	4,133	4,300	6,300
	Total Litter and Trash Collection	32,026	29,237	31,868
	Total Estimated Expenditures	884,558	1,098,188	1,103,368
	Excess of Estimated Revenue Over (under)			
	Estimated Expenditures	185,504	(35,451)	0
	Estimated Beginning Fund Balance July 1	361,352	546,856	511,405
	Estimated Ending Fund Balance June 30	546,856	511,405	511,405

## Section 8:

### **Solid Waste Program**

*Provide organizational charts of each county and municipality's solid waste program and staff arrangement. Identify needed positions, facilities, and equipment that a fully integrated solid waste system would have to provide at a full level of service. Provide a scale county level map indicating location of all facilities including convenience centers, transfer stations, recycling centers, waste tire drop off sites, used oil collection sites, paint recycling centers, all landfills, etc. Identify any short comings in service and note what might be needed to fill this need.*

Hickman County Solid Waste Director:

**Marty Turbeville**

2220 Skyview Drive  
Centerville, TN 37033  
Phone: 931-729-2136

Hickman County Solid Waste Laborers:12

Hickman County Solid Waste Committee:

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**TONY McCORD**

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Phone: 931-729-4920

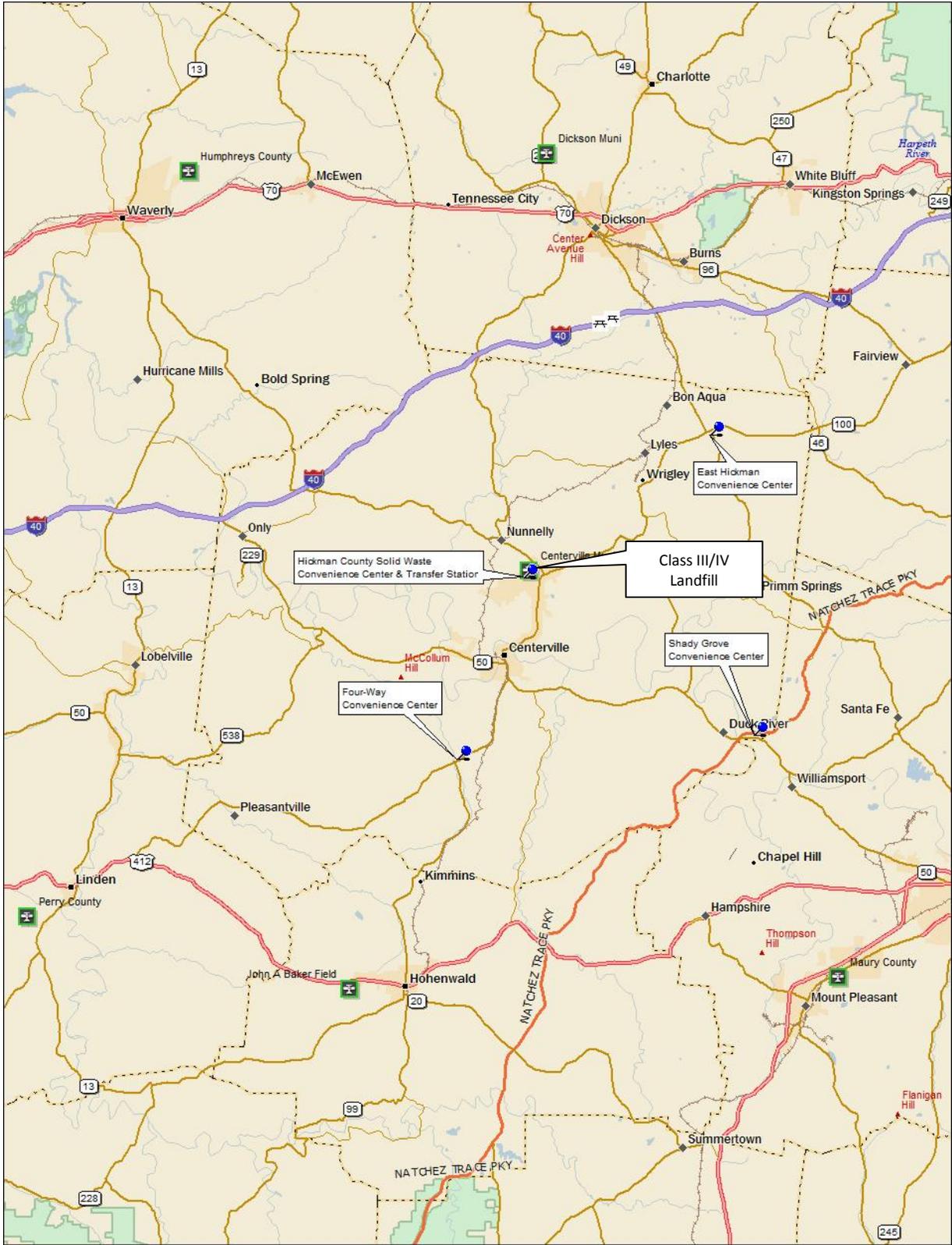
A major setback Hickman County experienced in the past year was the theft of thousands of dollars of equipment. While investigations cannot conclude exactly who stole the equipment there are speculations that an inmate working in the center broke in and stole items. The following is from the police report taken on May 20<sup>th</sup>, 2009:

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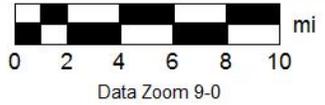
On 5/20/09 at 0811 hrs 1 Officer C. Pierce was dispatched to the H.C. Solid Waste office at 2220 Skyview Drive in Centerville. Upon arrival I spoke with Jerry Whitechard and David Wade both employees of the Solid Waste facility. They told me that yesterday 5/19/09 when they left at the end of the work day there was 20' trailer inside the building where they were working. This morning upon arrival they found two door keys on the ground at the entrance of the building. Upon entering the building they found that the 20' trailer was missing along with a new NAPA AC/DC electric welder and also two grapple buckets for the Bob Cat brand skid steer. All items were stored inside this building which was locked and secured. Speaking with Danny Hinson who was the last person to leave the Solid Waste Office on Tuesday 05/09/09 at around 1630 hrs stated he properly locked and secured the gate as he left. Upon speaking with James Michael "Shorty" Gordon he told me that he was the first employee to arrive this morning 05/20/09 around 0500 hrs. At that time the front gate was locked and secured properly. In checking the area grounds and fences no sign of egress was found from the area. The key that accessed the building and the two keys found on the ground were taken from the main office. Entrance was made to the office from the north side of the building forcing an inside door latch. This door was in an area that was not secured but had a trailer backed to a loading dock with enough room where someone accessed the space between the trailer and loading dock and 5/16 ball hitch dual wheel dovetail rear end with loading ramps attached and spare tire on front of trailer reflective tape on side wood floor, vin #4G7US2028T000128 unknown tag # at this time as the tag was taken from an old damaged 16' trailer and used on the 20' trailer which it replaced. The trailer is valued at \$3,400.00, Napa electric welder mod1443-0406 (no serial # available) valued at \$639.00, (2

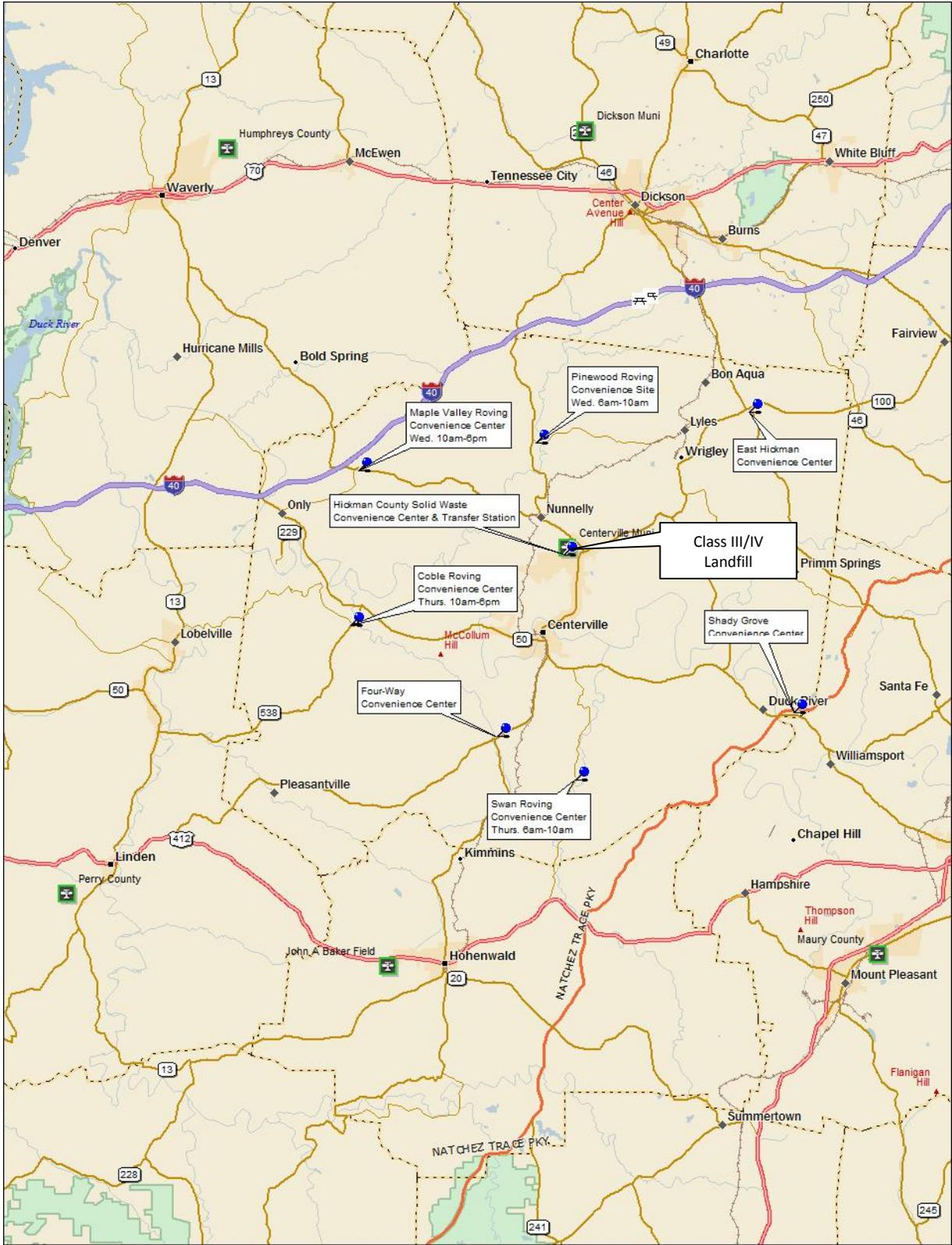
two BobCat brand 72" grapple buckets valued at \$2,892.35 each.  
These items have been entered into NCIC with the NIC #V432739462.

The items were insured so the county will be able to replace the items stolen.  
With a loss at nearly \$10,000.00, Hickman County is also checking into the price of  
a security camera system.

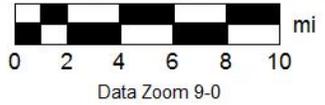


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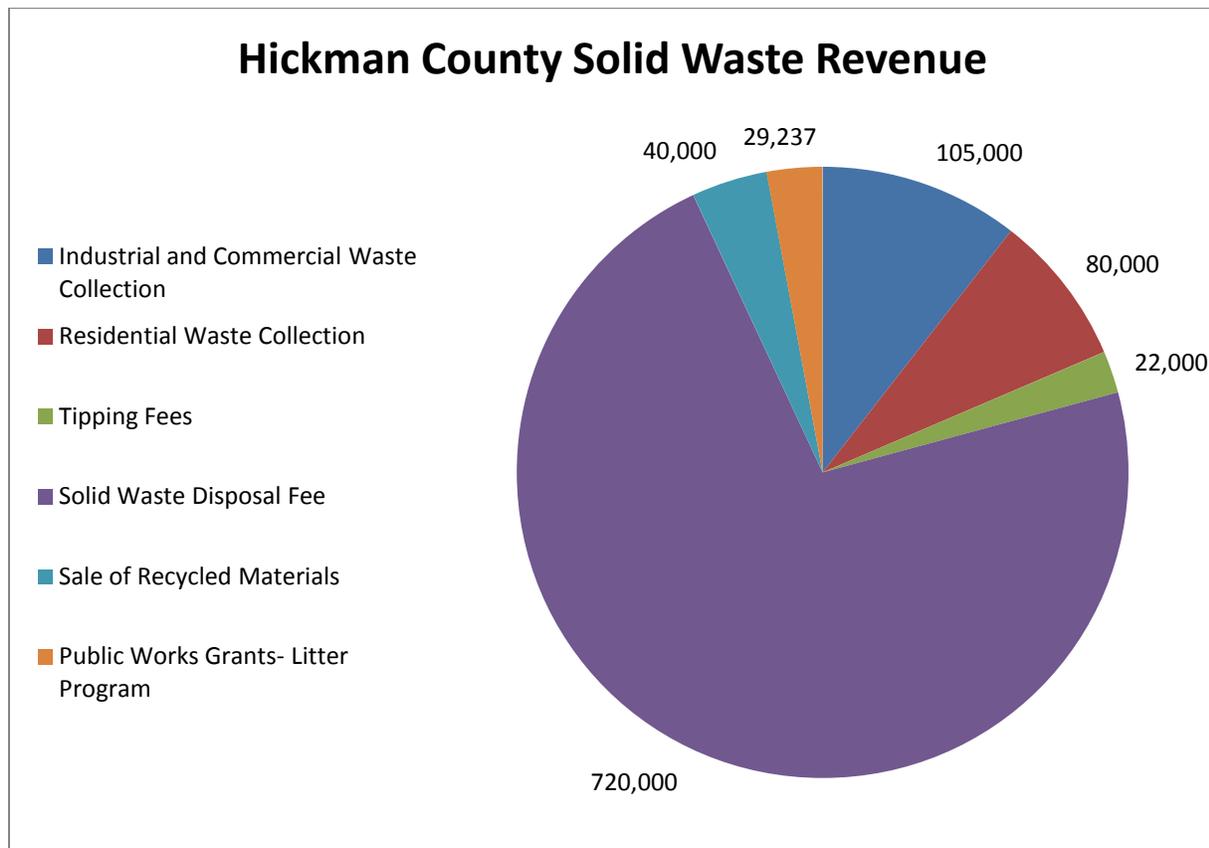
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## Section 9:

### Revenue

Identify all current revenue sources by county and municipality that are used for materials and solid waste management. Project future revenue needs from these categories and discuss how this need will be met in the future. Use example in Chart 7 as an example to present data.



\*Collected data from Hickman County 2008 Solid Waste Annual Report

Revenue Source	Dollar Amount	Percent of Revenue
Industrial and Commercial Waste Collection	105,000	11%
Residential Waste Collection	80,000	8%
Tipping Fees	22,000	2%
Solid Waste Disposal Fee	720,000	72%
Sale of Recycled Materials	40,000	4%
Public Works Grants	29,237	3%

## Section 10:

### **Public Interest**

*Describe current attitudes of the region and its citizens towards recycling, waste diversion, and waste disposal in general. Where recycling is provided, discuss participation within the region. Indicate current and ongoing education measures to curb apathy or negative attitudes towards waste reduction. Are additional measure needed to change citizens behaviors? If so, what specific behaviors need to be targeted and by what means?*

Hickman County continues to strive in improving recycling efforts and impressing upon its citizens the necessity of a strategic plan to diffusing the amount of waste in the solid waste stream. Citizens are given ample time and space in which to recycle. Recycling is always available at the transfer station, which is open six days a week.

With funds provide through the litter grant, Hickman County Solid Waste is able to offer several promotional pieces to increase the amount of recycling throughout the county.

Keep America Beautiful is one of the most successful programs that Hickman County operates. This is a roadside cleanup competition among non-profit organizations. The citizens are given an opportunity to earn “points,” first prize is \$1,000.00. The Chamber of Commerce is responsible for the program details. For more information on the program contact Rob Mitchell at the Hickman County Chamber of Commerce.

Educating the public about the importance of recycling remains a key factor in initiating a cleaner solid waste stream. It seems the the underlying issue is more an attitude of apathy than of disinterest or pure negligence. The public just doesn't realize how an individual can really change the amount of waste he or she places in the solid waste stream. With the nation pressing for a cleaner and greener earth recycling programs are becoming more popular. Media has really given these smaller communities unsolicited help in gaining more supporters.

Younger generations are especially keen on the idea of recycling and reusing. Television networks have begun their own programs to push for less in the solid waste streams along with energy conservation and clean-up efforts.

## Section 11:

### **Five Year Plan**

*Dicuss the region's plan for managing their solid waste management system for the next five years. Identify any deficiencieis and suggest recommendations to eliminate deficiencieis and provide sustainability of the system for the next five years. Show how the region's plan supports the Statewide Solid Waste Management Plan.*

For the next five years, this region plans to continuously involve the same methods for solid waste disiposal that have been utilized in the past. With the resources they possess, Hickman County has done its best to reach maximum efficiency.

Hickman County will continue to advertise their services for recycling by whatever means available. Their current programs in Leadership Hickman and Junior Leadership Hickman will continue to educate the leaders of today and tomorrow about the neccesity of recycling. The county is hoping to implement more programs that will allow for even more non-recycables to be rediscovered and reused as indicated in earlier sections.

Plans for a material recovery center are also in the works as officials feel the need to increase their deferments into landfills.