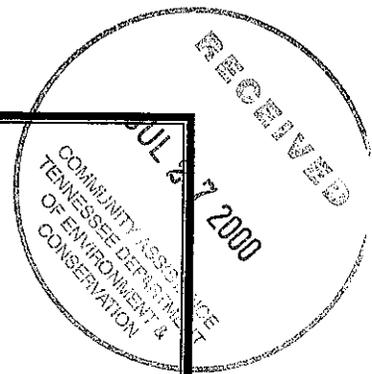


**WILLIAMSON COUNTY  
SOLID WASTE PLANNING REGION**



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**MUNICIPAL SOLID WASTE REGIONAL PLAN**

**FIVE-YEAR UPDATE**



**June 12, 2000**

**Prepared by**

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## INTRODUCTION

In response to the Solid Waste Management Act of 1991 local governments were required to form solid waste planning regions for the purpose of preparing comprehensive ten year plans for the management of solid waste generated within their region. The minimum size of a solid waste planning region is limited to a single county. In the case where city or town limits cross county lines, the city can choose the county it wishes to plan with from those in which it is located. Upon the formation of a solid waste planning region the act required the establishment of a regional solid waste planning board. The act established the role and responsibilities of these boards. The primary responsibility given to these boards is that of long range planning for solid waste management within the region. The board's members were charged with looking into the future and making comprehensive, integrated solid waste management plans. The object of these plans was to provide the region's legislative bodies with the information necessary to make informed decisions assuring that safe, practical and economical solid waste management was available to all citizens within the region.

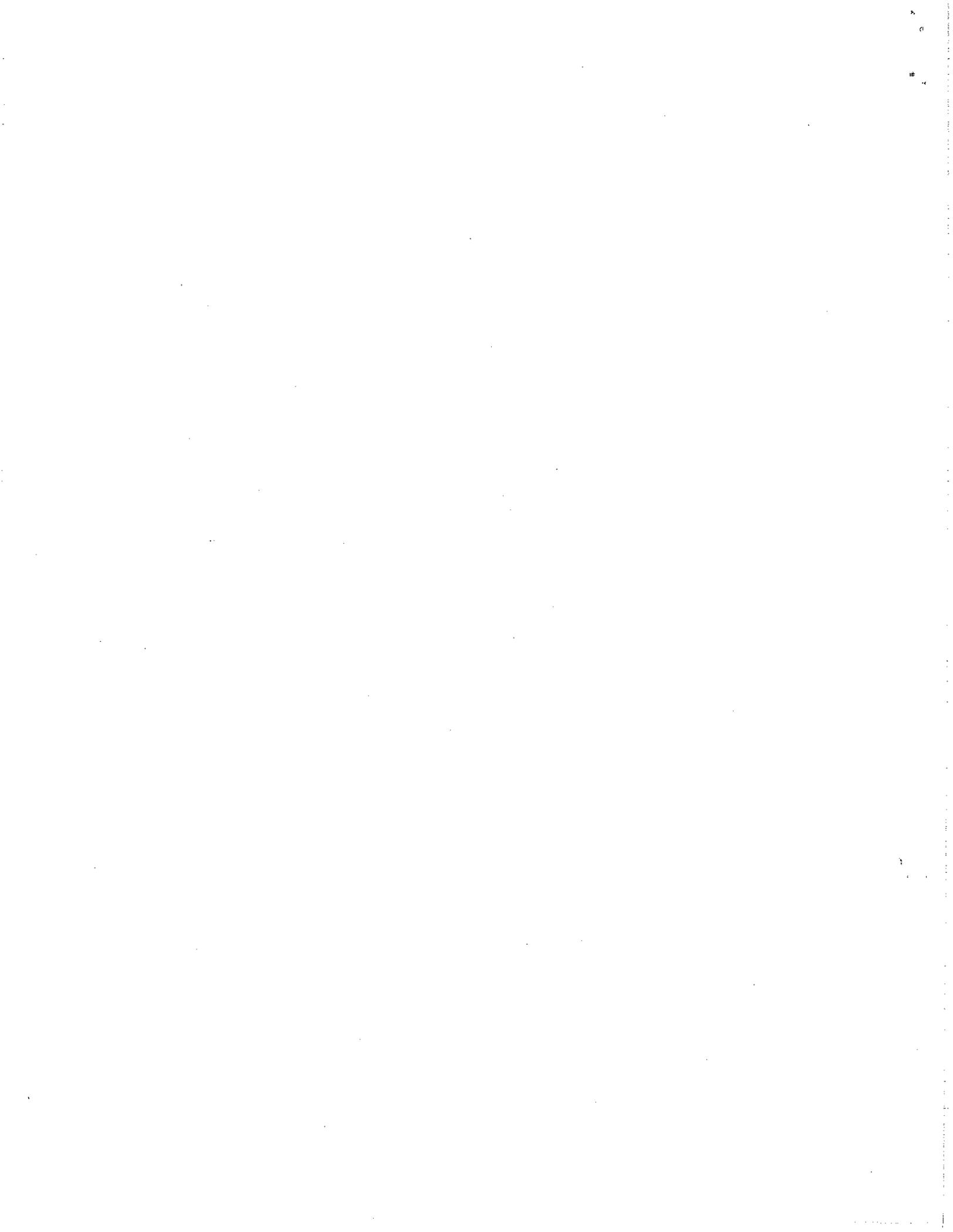
Williamson County formed a single county solid waste planning region in October of 1992 by resolution of the county's legislative body. Then, according to the mandates of the Solid Waste Management Act of 1991, the municipalities in the region appointed a regional board. This board completed the preparation of the region's ten-year solid waste plan. This plan was submitted and approved by the State of Tennessee on March 25, 1995.

In addition to preparation of the region's ten-year solid waste management plan, further provisions of the Solid Waste Management Act of 1991 require that solid waste planning regions to:

- ◆ Submit annual progress reports on the implementation of the region's ten year solid waste plan
- ◆ Prepare five-year updates to the original plan

The purpose of the five-year update is to summarize achievements of the region during the past five year period and then for the next ten year planning horizon to identify any new needs of the region regarding compliance with state mandates. Once needs are identified the regional board should devise an implementation schedule for implementation of new programs to meet these needs; forecast a proposed ten year budget for implementing these programs; and identify revenue sources for funding the proposed budget.

This document has been prepared in compliance with the state's requirements for the five-year update to the Region's original solid waste plan. It is hoped that the information contained in this plan will identify a course for and assist the region's decision-makers in coping with solid waste management issues for the next ten year planning period.



## CHAPTER 1: Summary

### Overview

Williamson County is a considerable influence in Middle Tennessee with respect to development, growth management, commerce and culture. Additionally, it is one of the fastest growing areas in the state. Much of this growth can be attributed to the areas proximity to one of the state's major population centers, however the county's growth can also be attributed to the high quality of life experienced by its residents.

One human health and environmental need, which significantly affects the perceived quality of life associated with any community, is adequate solid waste management. Williamson County and the cities within have a history of proactively managing their solid waste.

In October of 1992 the Williamson County Commission passed a resolution creating the Williamson County Solid Waste Planning Region. A list of the political entities included in the Williamson County Solid Waste Planning Region with their approximate current population is as follows:

Table I-1 Political Entities Included in the Williamson County Solid Waste Planning Region with Associated Populations

CITY/TOWN	POPULATION
FRANKLIN	42,300 <sup>a</sup>
BRENTWOOD	24,500 <sup>b</sup>
NOLENSVILLE	2,254 <sup>c</sup>
FAIRVIEW	5,000 <sup>d</sup>
THOMPSON STATION	1276 <sup>e</sup>
SPRING HILL	3682 <sup>e</sup>
WILLIAMSON COUNTY REMAINDER	44,781 <sup>f</sup>
<b>Total</b>	<b>123,793<sup>g</sup></b>

<sup>a</sup> Based on December 31, 1999 estimate. Developed from special census taken in April 1999 and adjusted for dwelling units and occupancy rates.

<sup>b</sup> 1999 Estimate based on last census data adjusted for dwelling units and occupancy rates.

<sup>c</sup> Based on special census in March of 1999.

<sup>d</sup> 1999 Estimate

<sup>e</sup> Data procured from Williamson County Chamber of Commerce based on Estimate for 1998.

<sup>f</sup> Estimate based on difference between total city populations and county total population.

<sup>g</sup> U.S. Census estimate for July 1, 1999

## Waste Management Strategy Identified in Original Ten Year Solid Waste Plan

When Williamson County submitted the original Williamson County Region Municipal Solid Waste Ten Year Plan records indicated that in 1993 waste was managed according to the methodology summarized in Table I-2.

Table I-2 Williamson County Solid Waste Management Methodology For Calendar Year 1991

Waste Management Method	Tons Per Year	%
Reduced	Not quantifiable	Not quantifiable
Recycled	Not quantifiable	Not quantifiable
Composted/Mulched	Not quantifiable	Not quantifiable
Diverted (other than Class III/IV disposal)	Not quantifiable	Not quantifiable
Class III/IV Disposal	Not quantifiable	Not quantifiable
Class I Disposal	60,000	65.54
Unmanaged *	31,542	34.46
<b>Total</b>	<b>91,542</b>	<b>100</b>

\* Estimated by subtracting waste managed from potential waste generated in region. Potential waste generated in region based on state average per capita waste generation.

The region's goals for managing its waste in 2003 as set forth in the 1993 Regional Solid Waste Plan were as follows:

Recycling and Composting	25%
Diversion	8%
Class I Landfilling	67%

While these goals were highly ambitious for the time, today, Williamson County has surpassed these goals and continues to build a solid waste management program, which is a model for much of the state.

### Current Solid Waste Management Strategy

Williamson County's Solid Waste Department is charged with the responsibility of assuring that adequate solid waste collection and disposal capacity is available to all residents of the region. Additionally, the department is charged with the responsibility for seeing that the Williamson County Solid Waste Planning Region meets the state's 25% solid waste reduction goal. The department does this through an extensive network of convenience centers for solid waste and recyclables collection, a materials recovery facility (MRF), a composting program for clean woodwaste and yardwaste, a waste tire recycling program, an office paper collection and recycling program, an industrial and commercial waste reduction program, and a Class III/IV landfill for diversion of construction/demolition type material. Waste which cannot be eliminated from the waste stream through source reduction, re-use, recycling, composting or diversion is routed to the County's transfer station for transfer to contracted out-of-region Class I landfills or is hauled directly to other out-of-region transfer stations and /or landfills.

A more detailed description of these programs is presented in the following paragraphs.

### Waste Stream Generation and Characteristics

In 1993, when Williamson County was first called upon to collect the information necessary to develop a ten-year comprehensive solid waste management plan, it was assumed that waste distribution according to source closely resembled that at the national level. This assumption was based on Williamson County's diversified economic and industrial base. Resources consulted regarding Williamson County's current waste distribution agree that waste generation according to source should still closely resemble that at the national level. Based on this assumption, Williamson County's current waste distribution according to source should fall into the following classifications at the percentages shown in Table I-3.

Table I-3 Typical Distribution of Solid Waste According To Source Based on National Values

Waste Source	%
Residential	23
Commercial	29
Industrial	29
Institutional	19
Other	0
<b>Total</b>	<b>100</b>

Source: EPA contracted study

### Collection

In 1993 the Williamson County Solid Waste Planning Region established that 100% of the residents in the region had solid waste collection service available to them through city, county or private sector garbage collection programs. While these existing programs met and even exceeded the state's solid waste collection requirements, Williamson County and the cities within continued to enhance solid waste collection opportunities including upgrading the convenience center collection program which is available to all residents of the county. Currently, Williamson County operates 10 convenience centers in the county providing residential garbage and recyclables drop-off service to all residents of the county as well as the opportunity to drop-off used motor oil, used automotive fluids and batteries. Additionally, the cities of Franklin and Spring Hill provide their residents with house-to-house collection of refuse. A table listing the political entities within the Williamson County Planning Region and the types of solid waste collection they provide follows as Table I-4.

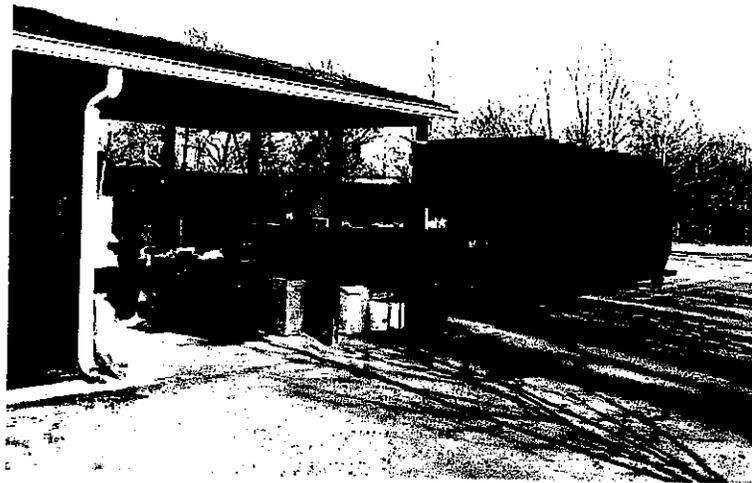


Table I-4 Collection Services Available In The Region:

CITY/TOWN	Service Recipient	SERVICE PROVIDED	HOW FINANCED	ACCOUNTING
WILLIAMSON COUNTY	All residents of the County	Convenience Center collects used oil, residential refuse, recyclables, and demolition/construction debris. Private haulers operate in the county on an individual subscription basis.	Paid out of Special Revenue Fund	Standard Chart of Accounts for County Government.
FRANKLIN	Residents of the City of Franklin	Once per week curbside collection by city employees and equipment.	Paid through utility bill collection.	Special Revenue Fund
SPRING HILL	Residents of the City of Spring Hill	Contracted curbside collection once per week.	Paid through utility bill collection.	Special Revenue Fund
BRENTWOOD	Residents of the City of Brentwood	Residential and commercial waste collection through individual subscription with various private waste haulers operating in city.	Individual subscription.	Not applicable
NOLENSVILLE	Residents of the Town of Nolensville	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city. The county maintains a convenience center in Nolensville.	Private: Individual subscription. County conv. center: Special revenue fund.	Not applicable to individual subscription. Conv. Center through Std. Chart of Accts.
FAIRVIEW	Residents of the City of Fairview	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city. The county maintains a convenience center in Fairview.	Private: Individual subscription. County conv. center: Special revenue fund.	Not applicable to individual subscription. Conv. Center through Std. Chart of Accts.
THOMPSON STATION	Residents of the Town of Thompson Station	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city. The county maintains a convenience center in Thompson Station.	Private: Individual subscription. County conv. center: Special revenue fund.	Not applicable to individual subscription. Conv. Center through Std. Chart of Accts.

## Waste Reduction, Recycling, Compost/Mulch and Diversion Programs

In 1993 Williamson County had recently opened its Material Recovery Facility (MRF) and was just beginning its foray into waste reduction. Today, with the MRF still an integral component to the County's waste reduction efforts, Williamson County operates a wide range of waste reduction programs convenient to its residents as well as to its industrial and commercial community members. These waste reduction programs include source reduction, re-use, recycling, composting and diversion and are summarized in the following paragraphs.

Source Reduction- Williamson County's source reduction programs are being met with great success. The most recent initiative includes an industrial/commercial waste reduction pilot program. In this program members of the commercial/industrial sector are offered the opportunity for a free waste audit, then, once potential waste reduction/recycling opportunities are identified, are offered technical assistance, a waste avoidance analysis and incentives in the implementation of programs to eliminate, reduce or recycle these waste streams. Initial success with this program includes the diversion of approximately 130 tons of cardboard per year.

The office paper recycling program initiated by the county in calendar year 1996 has been operating effectively for the last four years. Waste paper containers are located at each desk of participating companies and these cans are emptied to larger containers at the end of the day or as necessary. The paper collected in this manner is then prepared for processing and marketing by the Williamson County MRF. Because the paper collected by this program is combined with paper dropped off by the schools and other contributors it is not possible to break out the amount of paper collected and recycled through this program.

The County also networks with existing groups such as the schools and master gardeners program and through county operated education program, Williamson Recycles, to provide information to citizens on source reduction efforts that can be made in the home.

Household Hazardous Waste Collection- Williamson County conducts two household hazardous waste collection events per year. These events have some of the highest participation rates in the state. During the last Household Hazardous Waste Collection Event held in Williamson County, the state recorded the highest participation rate ever in the state for this type of event. In 1999 approximately 26.05 tons of household hazardous waste was collected and diverted from disposal in Class I landfills. The county's household hazardous waste collection event conducted in May of 1999 had the highest participation rate on record in the state (2.49%).

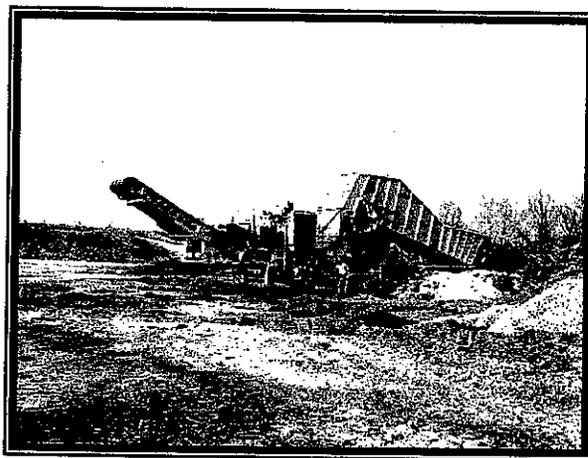
Recycling- Williamson County offers a wide array of recycling programs. As with the county's source reduction programs, these programs have been developed for both Williamson County residents and the commercial/industrial sector. The main cog in the county's recycling efforts is the Williamson County MRF. The MRF provides the processing capability necessary for the convenience center drop-off recyclables collections, the schools office paper, cardboard and phone book recycling program and the commercial/industrial recycling program. In addition to MRF recycling, the county has in the last year initiated a

carpet padding and carpet recycling program. Estimates are that this program is diverting approximately 100 tons per year.

Compost/Mulch – Williamson County has seen at the close of 1999 the successful implementation of its clean woodwaste compost and mulch program. The county is able to handle a broad spectrum of clean woodwaste with the equipment dedicated to this process. In calendar year 1999 diverted for beneficial use approximately 1446.27 tons of material which would have otherwise taken up approximately 6000 cubic yards of air space in the county's class III/IV landfill.



Williamson County Landfill Shear



Williamson County Landfill Shredder

Waste Diversion- In addition to Williamson County's operation of a Class III/IV landfill, some private haulers collect Class III/IV waste which they haul directly to other Class III/IV landfills such as the Waste Management, Inc. Class III/IV landfill in Davidson County, or the Wilson County Class III/IV landfill. Approximately 30,375.96 tons of Class III/IV waste was diverted in 1999 to Williamson County's Class III/IV landfill. Another 1704.83 tons were diverted to other Class III/IV landfills for a total of 33,985.94 tons of material diverted to Class III/IV disposal in 1999. Furthermore, Williamson County diverted approximately 785.01 tons of shredded tires from Class III/IV disposal for use as a fuel replacement for coal at electric utility plants and at pulp mills.

A summary of these programs and the tonnage diverted by these programs in 1999 is summarized in tabular form as follows in Table I-5.

Table I-5 Waste Reduction Programs and Tonnage Reduced or Diverted in Calendar Year 1999

Waste Reduction Programs For Calendar Year 1999	Tonnage
Source Reduction	
Instruction on Waste Reduction in the Home and Yard	Not Quantifiable
Commercial/Industrial Waste Audits and Technical Assistance on Waste Reduction	Not Quantifiable
Waste Diversion Incentives Program	Not Quantifiable
Industrial and Commercial Source Reduction	Not Quantifiable
Recycling	
Residential	
City of Franklin	89.32
Williamson County MRF Recycling, including:	
Convenience Center Drop-off Recyclables Collection	
Individual Industry Recycling	
Commercial/Industrial Office Paper	
School paper/cardboard	10,823.27
School phone book	
Batteries	1,654
Clean Woodwaste Compost and Mulch Program	1,446.27
Household Hazardous Waste Diversion	26.05
Tire Diversion for Energy Recovery	785.01
Class III/IV Waste Diversion From Class I Landfills	
Williamson County Class III/IV Landfill	30,375.96
Southern Services Class III/IV Landfill, Waste Management, Inc. Davidson County	1,704.83
<b>Total Tons Waste Reduced, Recycled or Diverted From Class I Landfill Disposal</b>	<b>46,904.71</b>

## Disposal

In 1993 Williamson County was still operating its own Class I landfill. Today, waste collected within the Williamson County Solid Waste Planning Region which is not reduced, recycled or diverted from Class I landfill disposal is ultimately transferred to Class I landfills out-of-region. The majority of the Class I waste passes through the County's transfer station located at the Williamson County landfill site. The County's current contract for transportation and disposal of its Class I MSW is with Waste Management, Inc. Waste collected at the Williamson County transfer station is transported by Waste Management, Inc. to their Class I landfill located in Camden, Tennessee. The remaining waste generated within the county is hauled by private haulers to either the Waste Management Transfer Station in Antioch or the AAA Transfer Station located in Nashville or hauled directly to Class I landfills located in Lewisburg or Murfreesboro. Waste generated and collected within the Region in 1999 for Class I disposal was directed to Class I waste disposal facilities as indicated in Table I-6.

Table I-6 Class I Landfills Utilized for Disposal of Class I Waste Generated Inside the Williamson County Municipal Solid Waste Planning Region for 1999

Facility	County	Tonnage
West Camden, Class I Landfill, Waste Management, Inc.	Benton	62,568.55
Cedar Ridge Class I Landfill, Waste Management, Inc.	Marshall	19,021.17
Middlepoint Landfill, BFI	Rutherford	14,123
<b>Total Tonnage</b>		<b>95,713</b>

A summary of the system wide management of waste generated in Williamson County is presented in Table I-7.

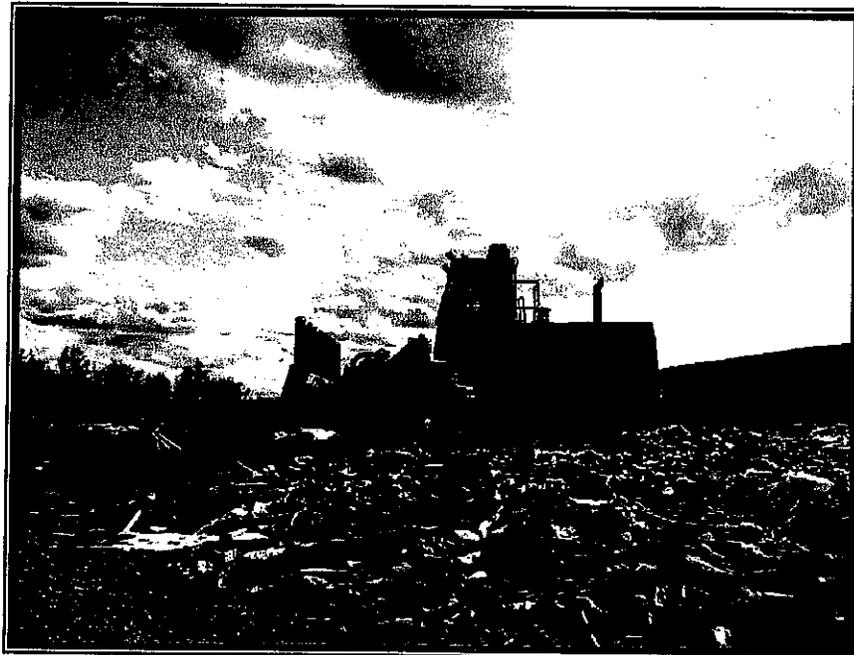


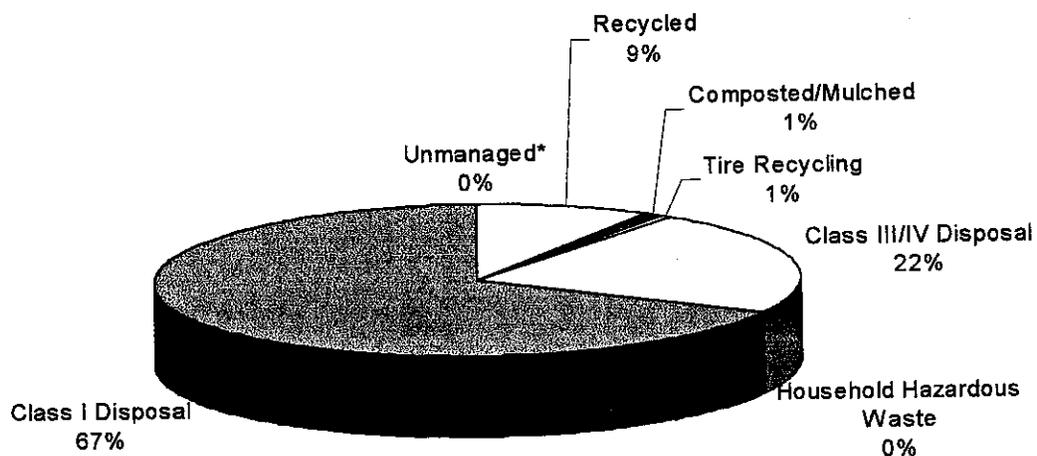
Table I-7 Williamson County Solid Waste Management Methodology For Calendar Year 1999

Waste Management Method	Tons Per Year	%
Reduced	Not Quantifiable	Not included in percentage calculations
Recycled	12,566.59	8.81
Composted/Mulched	1,446.27	1.01
Tire Recycling	785.01	0.55
Class III/IV Disposal	32,080.79	22.49
Household Hazardous Waste	26.05	0.02
Class I Disposal	95,713	67.12
Unmanaged *		
<b>Total</b>	<b>142,617.71</b>	<b>100.0</b>

\* The amount of waste unmanaged is assumed to be insignificant in comparison with other tonnages above. This assumption is based on the lack of complaints regarding illegal waste dumping and by the visual observations of employees of the Williamson County Solid Waste Department.

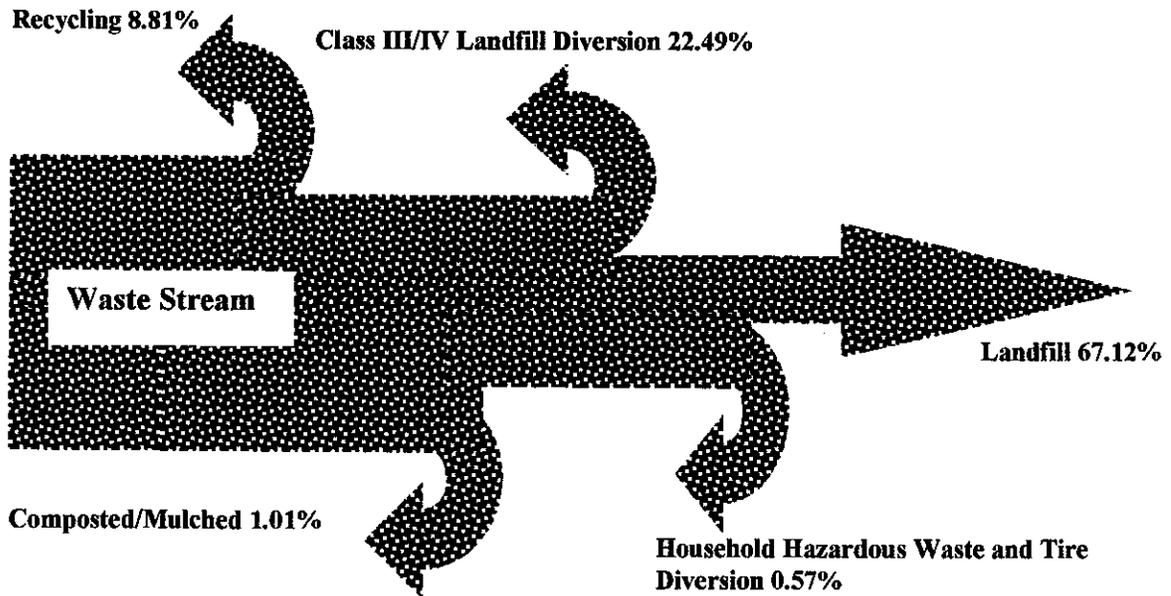
A pie chart representation of this information follows as Figure I-1:

Figure I-1 Pie Chart Representation of Williamson County Waste Management Activities for Calendar Year 1999



A flow diagram of this waste management methodology for calendar year 1999 is shown as Figure I-2.

Figure I-2 Flow Diagram of Current Solid Waste Management Methodology For Williamson County Solid Waste Planning Region



#### Problem Waste Collection

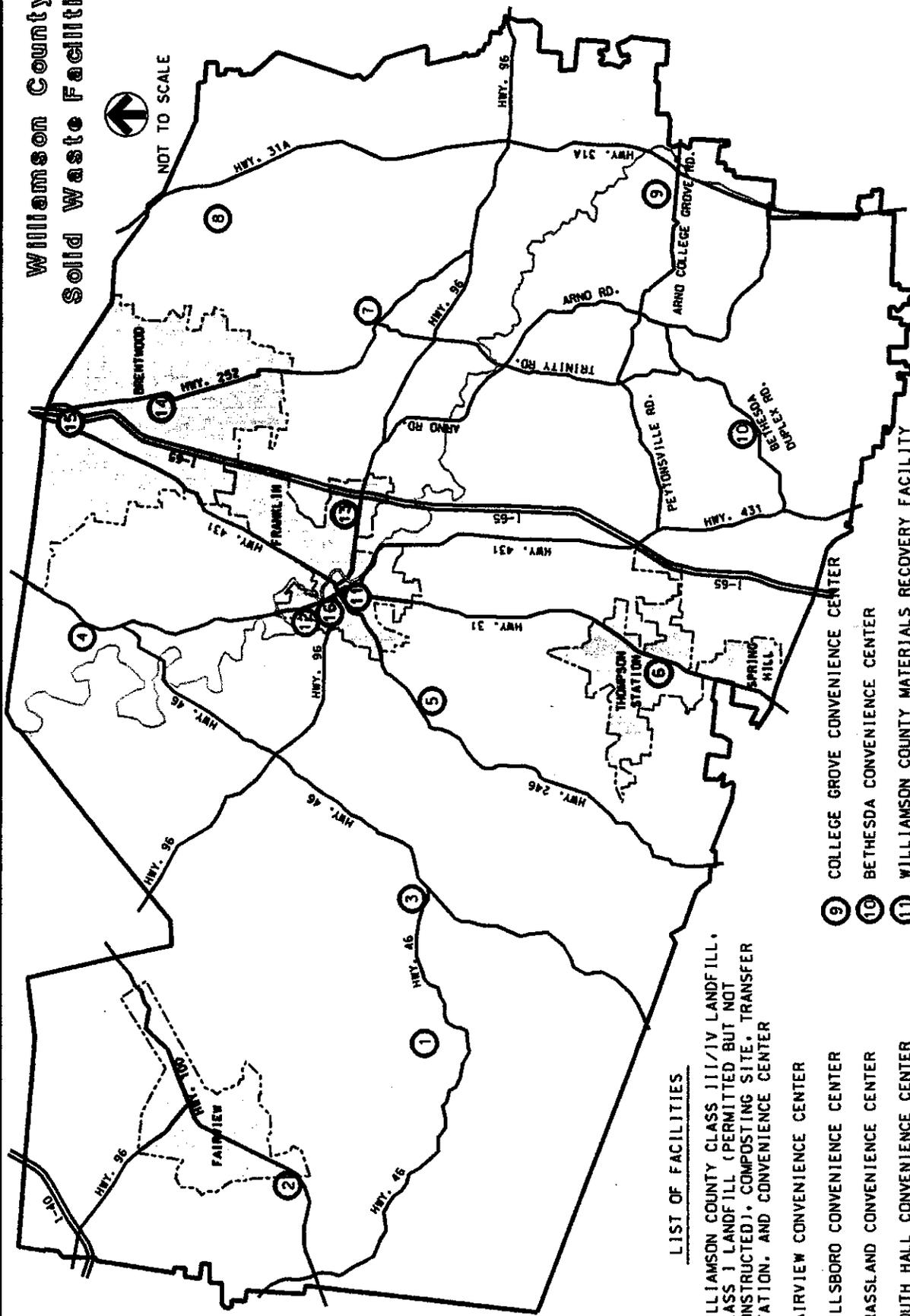
In addition to the programs that Williamson County operates for waste reduction, recycling and diversion from Class I landfills, the county also has in place programs for the collection of problem waste such as used oil, automotive fluids and batteries. In 1999 these programs collected approximately 15,243 gallons (116,152 pounds) of used oil and 1,654 pounds of batteries.

A map showing key solid waste collection center, recycling and composting processing program and disposal facility locations is included as the following Figure I-3.

#### Litter Cleanup

The region does not conduct formal surveys of roadside dumps, however, upon finding a roadside dump or litter problem or having one reported, the Sheriff's Department and the Williamson County Solid Waste department Litter Crew work together to address the problem. The typical response time for cleaning up a roadside dump or a litter problem is less than 48 hours. The Tennessee Highway Patrol Litter Officer serving Williamson County is currently Sergeant Jim Piercey, he can be reached at the main administrative offices of the Tennessee Highway Patrol in Nashville at the following telephone number: (615) 741-3181 Ext. 101. To date these dumps have been few in numbers and minor in extent. If at some

# Williamson County Solid Waste Facilities



## LIST OF FACILITIES

- ① WILLIAMSON COUNTY CLASS III/IV LANDFILL, CLASS I LANDFILL (PERMITTED BUT NOT CONSTRUCTED), COMPOSTING SITE, TRANSFER STATION, AND CONVENIENCE CENTER
- ② FAIRVIEW CONVENIENCE CENTER
- ③ HILLSBORO CONVENIENCE CENTER
- ④ GRASSLAND CONVENIENCE CENTER
- ⑤ SOUTH HALL CONVENIENCE CENTER
- ⑥ THOMPSON STATION CONVENIENCE CENTER
- ⑦ TRINITY CONVENIENCE CENTER
- ⑧ NOLENSVILLE CONVENIENCE CENTER
- ⑨ COLLEGE GROVE CONVENIENCE CENTER
- ⑩ BETHESA CONVENIENCE CENTER
- ⑪ WILLIAMSON COUNTY MATERIALS RECOVERY FACILITY
- ⑫ INDEPENDENCE SQUARE DROP-OFF
- ⑬ WILLIAMSON SQUARE DROP-OFF
- ⑭ WILSON PIKE DROP-OFF
- ⑮ BRENTWOOD PLACE DROP-OFF
- ⑯ CITY OF FRANKLIN TRANSFER STATION



time in the future there is a noticeable increase, the region may devise a system for accounting for these sites.

In addition to the programs described above, Williamson County also has an adopt-a-highway program. Various stretches of road are adopted by various civic, social and religious groups and these groups conduct cleanups of their stretch of road at various times throughout the year.

### Solid Waste Education

Williamson County has one of the most aggressive solid waste education programs in the state. The primary solid waste education program sponsored by the County is Williamson Recycles. This program is responsible for:

- ✦ Regular participation each week in thirty minute spots on the local radio station;
- ✦ administering the local adopt-a-highway program;
- ✦ preparation and materials for presentation and distribution at the Master Gardeners annual meeting;
- ✦ semi-annual newsletters;
- ✦ preparation of brochures for distribution on recycling, backyard composting, etc.;
- ✦ organization, publication and conducting the trees to trails chipping program;
- ✦ Publicizing the semi-annual household hazardous waste collection events.

In addition to Williamson Recycles, the county is in the process of establishing a Keep America Beautiful Program.

Another agency within the County, which has long played a role in educating Williamson County citizens about proper waste management, is the Williamson County Sheriff's Department. The Sheriff's department has for years performed the valuable service of educating Williamson County residents about litter. The Sheriff's department has a litter officer which visits class rooms in Williamson County to present anti-litter messages; has exhibits at the County fair on this same topic and visits civic and social organizations to deliver its anti-litter message. In addition, the Sheriff's department is instrumental in enforcement of the county's tarp law.

Other agencies and organizations within the county that provide solid waste education are: Local Scout Troops; 4-H clubs; Master Gardeners Club; and Family Community Education Clubs (FCE Clubs). A summary of all these organizations, their services and the age groups they serve are summarized in the following Table I-8.

Table I-8 List of Solid Waste Education Providers and Description of Programs

Agency	Activity	Youth	Adult	Commercial / Industrial Sector
Williamson County Williamson County Solid Waste Department/ Williamson Recycles	Facilitate the establishment of a Williamson County Keep America Beautiful Program. Work with plant nurseries to promote sales of backyard composting including preparation of publications on how to backyard compost and on the advantages of "grass cycling". Preparation of informational brochures on proper solid waste management and recycling for distribution at convenience centers. Presentations at annual Master Gardeners Workshop on composting and other relevant solid waste management issues. Thirty minute presentation/participation on local weekly radio program for purpose of relevant topic of solid waste management and publicize upcoming events. Conduct programs for U.T. Agriculture Extension Service FCE groups on relevant solid waste management issues. Distribution of coloring/activity books to children on appropriate solid waste management. Team with schools to make available presentations on appropriate solid waste management to every 4 <sup>th</sup> grade class in Williamson County including children who are home schooled.	✓	✓	✓
Sheriff's Department	Presentations on litter abatement to children and civic groups. Enforcement of tarp and litter laws.	✓	✓	

Table I-8 List of Solid Waste Education Providers and Description of Programs, continued.

Agency	Activity	Youth	Adult	Commercial /Industrial Sector
Williamson County Schools and City of Franklin Special School District	Team with County to make available presentations on appropriate solid waste management to every 4 <sup>th</sup> grade class in Williamson County including children who are home schooled. Promote solid waste management and recycling education through paper, cardboard and phone book recycling collection.	✓		
Local Scouts	Development of special merit badge, "Tennessee Looks Good to Me", regarding litter abatement.	✓		
4-H Groups	Team with County to make available presentations on appropriate solid waste management to every 4 <sup>th</sup> grade class in Williamson County including children who are home schooled.	✓		
Master Gardeners	Promotion of backyard composting and grass cycling to homeowners. Team with county on preparation of brochure on mowers which "grass cycle".		✓	
FCE Clubs	Schedule presentations to members on various solid waste management topics.		✓	

## **Proposed Programs and Changes to Waste Management Strategy**

Solid waste management has been and will continue to be a dynamic arena for its players. Successful programs will rely upon flexible strategies that adapt to changes in the field. Even the most carefully crafted ten year plan for managing a region's waste can quickly become outdated if it cannot adjust to the:

- ◆ emergence of innovative technology;
- ◆ opening of new markets and/or the closing of old ones;
- ◆ fluctuations in regional economy; or
- ◆ swings in public perception.

The Williamson County Solid Waste Planning Region has worked hard to project the direction in which the region should move during the next ten year planning horizon as described below. However, the region's officials realize that continued success with solid waste programs is contingent on focusing on the much shorter term in conjunction with flexible programs. Short term planning with conscientious monitoring of existing markets, technologies and trends coupled with flexible programs will allow the region to quickly adapt to fluctuations in the field and take advantage of these turns or cut losses as necessary. Therefore, the proposed programs, facilities and changes described in this section are meant to be a guide or vision for local decision makers as was intended by the Solid Waste Management Act of 1991, and not to be construed as mandates for local decision makers by state agencies.

An implementation schedule for the new and expanded programs, which are planned by the Williamson County Solid Waste Department, is included as Figure I-4.

### Collection

Williamson County's existing network of ten convenience centers more than adequately meets the solid waste collection needs of the county. There are no current outstanding needs with regard to the region's solid waste collection programs. Nor are there any anticipated future outstanding needs with regard to the region's solid waste collection programs. However, in an attempt to further improve convenience and efficiency of the existing solid waste collection system, the county plans the upgrade of two centers this year: the Fairview and Grassland Convenience Centers. Upgrades of these two systems will involve

- 1) Upgrading collection containers,
- 2) Placement of an additional compactor for a total of two at each site,
- 3) Enlarging the concrete pad adjacent to the compactors for user convenience while unloading garbage, and
- 4) Up-dating signage.

The cost associated with these upgrades has already been included in the budget for fiscal year 2000-2001.

# Williamson County Solid Waste Program Implementation Schedule

ACTIVITY	Fiscal Year																					
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Waste Disposal/Landfill Operations																						
Class I Landfill Closed																						
Waste Transfer to Waste Management Landfill, Camden, TN																						
Re-bid Waste Disposal Contract																						
Class II/IV Landfill Opens and Operates																						
Construct and Operate Aerobic Landfill Bioreactor																						
Collection																						
New Convenience Centers Constructed																						
Close Out Unattended Green Box Sites																						
Upgrade Existing Convenience Centers																						
Complete New Transfer Station																						
Create and Operate Adopt-a-Highway Program																						
Waste Reduction Programs																						
Establish Drop-off Recycling at Convenience Centers																						
Establish MRF																						
Rebid MRF Operating Contract *																						
Initiate Carpet/Carpet Padding Recycling Program Operation																						
Clean Wood-waste Recycling Program																						
Waste Tire Recycling Program																						
Office Paper Recycling Program Creation, Operation and Expansion																						
Backyard Composting Program																						
Master Gardener Program Presentation and Material Preparation for Annual Meeting																						
Phone Book Collection/Recycling																						
Trees-to-Trails (Christmas Tree Chipping Program)																						
Household Hazardous Waste Collection Events																						
Establish School Office Paper Recycling Program																						
Expand School Office Paper Recycling Program County Wide																						
Initiate School Cardboard Recycling Program																						
Initiate Waste Reduction Pilot Program for Commercial and Industrial Establishments																						
Expand Waste Reduction Pilot Program for Commercial and Industrial Establishments																						
Ban Cardboard Disposal in Class I Landfills From County Operated Collection Programs																						
Ban Clean Woodwaste Disposal in Class I Landfills From County Operated Collection Programs																						
Ban Yardwaste Disposal in Class I Landfills From County Operated Collection Programs																						
Expand Clean Woodwaste Recycling Program																						
Expand Class III/IV Metal Recycling Program																						
Expand Class III/IV Landfill Inert Fines Matt Recycling Program (all daily cover)																						
Solid Waste Education																						
Sheriff's Department Anti-Litter Education																						
Scout Badge Program																						
Radio Program																						
Speaker and Materials Provided to CFA Groups																						
Literature Preparation for Welcome Packets to New Residents																						
Semi-annual Solid Waste Newsletter																						
Expand Adult Education Program																						
Establish Keep America Beautiful Affiliate in Williamson County																						
Solid Waste Funding																						
Implement User Fees for Solid Waste Management																						
Implement Pay-As-You-Throw																						

\* Original MRF contract term expires in 2002 but contains two one year renewal options.



Other activities planned in calendar year 2000-2001 include the construction of an additional convenience center at the Williamson County Landfill. The cost for construction of this facility has already been included in the budget for fiscal year 2000-2001.

Additionally, Williamson County intends to launch an Adopt-A-Convenience Center Program in calendar year 2000-2001. This program will involve the adoption of each convenience center by some organization within the community in which the convenience center is located. The responsibility of this organization will be beautification of the center.

Upgrades of the remaining seven convenience centers are planned for fiscal years 2001-2002 and 2002-2003. After this time the convenience centers will be put on a three year rotating schedule for maintenance upgrades and/or new equipment upgrades as necessary depending upon any emerging needs with regard to garbage or recyclables collection.

#### Waste Reduction, Recycling, Compost and Mulch, and Diversion Programs

The Williamson County Solid Waste Planning Region **does not have any outstanding current or anticipated future needs** with regard to waste reduction, recycling, compost and mulch, or diversion programs. The Region through implementation of existing programs has made considerable progress toward increasing source reduction, recycling, composting and waste diversion during the last five years. Williamson County has increased waste reduction, diversion and recycling within the region from 0% in 1991 to 34.22% in 1999. It should be noted that this is the documentable waste reduction of the region. This is in direct conflict with the region's failure to meet the 25% waste reduction goal as defined and reported by the state. The state's assessment of the region's progress is based on calculations that use a state-assigned base year waste generation rate for the region significantly lower than the average in the state for regions of similar economic activity. This low base year waste generation rate remains in discussion between the region and the state at the time of this update. Williamson County remains hopeful that a suitable solution can be worked out so that the 25% mandated reduction is reflected accurately in the reduction calculations.

In addition to City and County operated recycling programs within the region, the strong market for some recyclables has no doubt increased recycling efforts among the commercial and industrial sectors as well as the public sector but these efforts are difficult to quantify.

Even though the Williamson County Solid Waste Planning Region is currently reducing, recycling or diverting well over 25% of its waste, the Region is still committed to continue the expansion of its waste reduction programs. Williamson County's officials recognize that the County's high growth rate, coupled with ever increasing Class I waste disposal cost and the associated long term liability of Class I waste disposal, necessitates continued perseverance in enhancing and maximizing practical, economical and environmentally sound waste reduction within the region. In an effort to pursue this as a goal, the Region anticipates the continuation of changes in and/or additions to its waste management programs as outlined in the following paragraphs.

The Cities included within the Williamson County Solid Waste Planning Region, which provide solid waste collection, are the City of Franklin and Spring Hill. The city of Spring Hill anticipates no major changes to its solid waste program during the projected ten-year planning period. The cities of Franklin and Brentwood and Williamson County have begun discussions on ways they might further work together in expanding waste reduction opportunities within the county, however it is premature at this point to say what direction these discussions might take.

Williamson County does anticipate the expansion of some existing programs and the implementation of new programs.

Carpet/ Carpet Padding Recycling- Calendar year 2000 has already seen the addition of carpet and carpet padding recycling to Williamson County's waste reduction programs. The addition of this commodity to the region's recycling program was unanticipated during the previous years. The Williamson County Solid Waste Department will continue to monitor solid waste recycling markets for the developments concerning other waste materials.

Clean Woodwaste- This program began operation in the spring of calendar year 2000. The clean woodwaste composting/much program involves the collection of clean woodwaste, brush, stumps and yardwaste and converting this material through mechanical reduction, screening and composting into marketable products. The clean woodwaste recycling program which started in calendar year 1999 will be expanded in calendar year 2000 as the volume of material received increases. Currently, the clean woodwaste received by this program is mechanically reduced with a shear, fed through a shredder, and pre-screened for separation into a soil amendment pile, a compost pile or a mulch pile depending upon the percent content of fines in the screened material.

All soil amendment material is currently being utilized on site in the establishment of vegetative cover.

Waste Tire Recycling Program- Williamson County officials are satisfied with the county's current waste tire diversion program as described in the previous section titled **Current Waste Management Strategy, Waste Diversion**. The county anticipates no changes to the program currently in place.

Office Paper- The office paper recycling program initiated by the county in calendar year 1996 has been operating effectively for the last four years. With the addition of staff in the last calendar year this program will be more aggressively marketed. Specific businesses will be targeted each year by utilizing Chamber of Commerce information on new and existing business that potentially generate significant quantities of office paper. Appointments will be scheduled with appropriate persons at these businesses to inform them of the advantages and opportunities within Williamson County for office paper recycling and to investigate the potential of working with these businesses to recycle waste paper.

Commercial and Industrial Waste Reduction Pilot Program-Williamson County anticipates expanding the existing commercial and industrial waste collection program as described under the previous section titled Current Waste Management Strategy. Short-term plans for expansion of this program involve targeting three to five businesses annually for waste reduction audits. The results of these audits will determine what containers the county will need to provide for material collection. The county anticipates appropriating funds for the next three fiscal years toward this program. Beyond the next three years revenues from the sale of recovered materials will fund future expansions.

Class III/IV Metals Recycling- Williamson County will begin a metals recycling program from metals pulled out of class III/IV waste received at the county's class III/IV landfill site. This program is scheduled to begin in fiscal year 2000-2001. Metals in class III/IV landfill waste will be recovered in one of two ways. First, when quantities are sufficient, the equipment operator will pull this material out of waste dumped at the working face by a track hoe. Secondly, Class III/IV waste received for processing with the shredder will pass through a series of magnets located on the shredder which will pull out any ferrous metals.

Class III/IV Landfill Fines Recycling- Williamson County Class III/IV landfill personnel are pursuing approval by the TDEC-Division of Solid Waste Management of a pilot program for the use of inert landfill fines screened out of class III/IV landfill waste as alternate daily cover. The inert class III/IV landfill waste will consist of two by fours, shingles, sheet rock, etc. which has been processed by the shredder located at the landfill and then screened.

The class III/IV metals recycling program and the class III/IV landfill fines recycling program are not expected to produce any significant revenues but should provide the county significant savings through the avoided cost of otherwise having to dispose of this material.

## Disposal

The Williamson County Solid Waste Planning Region does not have any outstanding current or anticipated future needs with regard to solid waste disposal programs. As previously described, the County assures adequate disposal capacity through a contractual agreement with a privately operated Class I landfill disposal facility and through the Class I landfill permit which the county holds. This permit is for the development of a Class I landfill on the same tract of land where the county operates the county's Class III/IV landfill. The estimated capacity of this permitted Class I landfill is in excess of 43 years at the county's current waste generation rate. However, the county does not anticipate the development of this landfill during the next ten-year planning horizon. The availability of economical landfill capacity through privately operated landfills is anticipated to continue through the next ten year planning horizon. The schedule for re-bidding these contracts in order to assure that adequate disposal capacity availability is uninterrupted is presented in the attached Figure I-4.

## Solid Waste Financing

The Williamson County Solid Waste Planning Region has identified as a priority the need to place the cost of solid waste management more directly on the user of collection, waste reduction, and disposal services. By promoting the concept of solid waste management as a utility, the county hopes to heighten the public's consciousness with regard to the importance of waste reduction activities. In order to more directly tie public consumption and waste generation habits to the cost of solid waste management, the county is considering the adoption of user-fees in the next two to three years as an intermediate step in the ultimate transition to a pay-as-you-throw revenue generating system. This pay-as-you-throw revenue generation system would ultimately cover all costs associated with solid waste management.

The region is currently debating the use of a tiered system of user fees. The fee charged to users of the system would increase or decrease based on the use of the existing solid waste infrastructure. The current scenario being considered is the following three-rate system:

Those residents utilizing exclusively Convenience Centers for solid waste collection.	Highest Fee Rate
Those residents utilizing a subscription or publicly operated curbside collection program in addition to convenience centers for solid waste collection.	Lower Fee Rate
Those residents with low or fixed income and senior citizens.	Lowest Fee Rate

The Williamson County Solid Waste Department is current charged with collecting information and developing a recommended program for implementation of these user fees. The county anticipates making a decision on the implementation of this program by the later part of calendar year 2002.

## **Region's Compliance with Mandates of the Solid Waste Management Act of 1991**

The Williamson County Solid Waste Planning Region is in compliance with most mandates of the Solid waste Management Act of 1991. A table listing each of these mandates and the region's programs that assures compliance with the Act follows as Table I-6. A survey of the local governments within the region indicates that existing solid waste programs are stable and will continue to operate to attempt to keep the region in compliance with state mandates.

The projected ten-year solid waste budgets for each of the political entities included in the Williamson County Solid Waste Planning Region are included in Chapter 2 as Figures 2-4 through 2-6. Funding sources for solid waste programs have been in place for several years and are anticipated to keep pace with solid waste expenditures.

Table I-9 Current Status of Williamson County Government Programs Mandated By The Solid Waste Management Act of 1991

Twenty-five Percent Waste Reduction Goal

According to the 1999 Annual Solid Waste Progress Report the Williamson County Municipal Solid Waste Planning Region has not achieved a 25% reduction in waste disposed of in Class I landfills over the base year of 1989. This is due entirely to the low base year waste generation rate identified by the State for Williamson County for 1989 when waste generated within the region was not well accounted for. The base year waste generation rate on record for Williamson County during this time period was 0.79436 tons per person per year. This means that in order to meet the 25% waste reduction goal that Williamson County should be disposing of no more than 0.5958 tons per person per year. Based on the average waste generation rates in the state, the waste generation rate for a county with the population of Williamson County should have been closer to 1.1 tons per person per year. With the base year change to 1995 the state proposed an even more unreasonable base year waste generation rate of 0.5764 tons per person per year. Which would require that Williamson County dispose of no more than 0.4323 tons of Class I waste per person per year. In order to correct this situation Williamson County applied for a base year adjustment to a waste generation rate, which is more reflective of the region. The state response to this request was to adjust the 1995 base year waste generation rate to 0.6593 tons per person per year (no more than 0.4945 tons disposed in Class I landfills). The Williamson County Solid Waste Department's position is that the base year waste generation rate assigned to the region by the state is too low, and the region will continue to work with the state to establish a more reasonable rate.

Table I-9 - Current Status of Williamson County Government Programs Mandated By The Solid Waste Management Act of 1991 cont.

County Wide Collection Assurance	Assured through the use of attended convenience center drop-off points maintained by Williamson County Solid Waste Department and available to all residents of county, by City of Franklin House-to-House Collection, by Spring Hill contracted House-to-House collection and by private haulers operating throughout the county.
County Wide Disposal Assurance	Assured through contractual agreements between Williamson County and Waste Management, Inc. and by Williamson County's maintenance of a permit for a Class I landfill should economical solid waste management not be available through the private sector.
Problem Waste Disposal Assurance	Assured through the use of drop-off points maintained by Williamson County.
Recyclable Collection Assurance	Assured through the use of drop-off points maintained by Williamson County.
Solid Waste Education Planning	Provided by Williamson Recycles, Williamson County Solid Waste Department, Williamson County Sheriff's Department; Williamson County Schools; Local Scout Troops; 4-H clubs; Master Gardeners Club; and CFA Clubs.
Full Financial Disclosure and Accountability	Yes
Mandated Planning, Reporting and Record Keeping	Yes
Ten Year Plan	Submitted to State October 1994, Approved March 28, 1995
Annual Reports (Annual Progress Report, Collections Assurance Report, Recyclables Report)	All Annual Solid Waste Reports Submittals up to date.
Five Year Update	Due March 26, 2000



## CHAPTER 2: General Information about the Region

### 1. Region name: Williamson County Municipal Solid Waste Planning Region

Table 2-1 City and County Populations

CITY/TOWN	POPULATION
FRANKLIN	42,300 <sup>a</sup>
BRENTWOOD	24,500 <sup>b</sup>
NOLENSVILLE	2,254 <sup>c</sup>
FAIRVIEW	5,000 <sup>d</sup>
THOMPSON STATION	1,276 <sup>e</sup>
SPRING HILL	3,682 <sup>e</sup>
WILLIAMSON COUNTY REMAINDER	44,781 <sup>f</sup>
<b>Total</b>	<b>123,793<sup>e</sup></b>

a Based on December 31, 1999 estimate. Developed from special census taken in April 1999 and adjusted for dwelling units and occupancy rates.

b 1999 Estimate based on last census data adjusted for dwelling units and occupancy rates.

c Based on special census in March of 1999.

d 1999 Estimate provided by officials of Fairview.

e Data procured from Williamson County Chamber of Commerce based on Estimate for 1998.

f Estimate based on difference between total city populations and county total population.

g U.S. Census estimate for July 1, 1999

### Counties in Region:

Williamson County is the only county in this region.

### 2. The total population of the region for calendar year 1999 was:

The total population for the region for 1999 was 123,793 according to the U.S. Census Bureau.

### 3. Regional Board Chairperson:

**Judy Hayes**

**Title:** Representative of Williamson County  
**Address:** 1775 Pope's Chapel Rd.  
 Franklin, TN 37064  
**Phone:** (615) 794-5380

A complete list of the board members, their addresses, the entity they represent and their terms is included in Appendix A. The Regional Solid Waste Planning Board is comprised of five members. These five members as defined in the region's formative resolution represent the following jurisdictions: four members represent Williamson County and one member represents the City of Franklin.

#### **4. Part 9 Solid Waste Authority**

This region has not formed a Solid Waste Authority.

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#### **5. Contacts For Solid Waste Information Regarding Davidson County Solid Waste Planning Region:**

**Name:** Lewis Bumpus  
**Title:** Director – Williamson County Solid Waste  
**Address:** 5750 Pinewood Rd., Franklin, TN 37064-9366  
**Phone:** (615) 790-0742

**Name:** Carolyn Gallagher  
**Title:** Recycling Coordinator- Williamson County Solid Waste  
**Address:** 420 Century Court., Franklin, TN 37064  
**Phone:** (615) 790-5848

**Name:** Nancy Dirube  
**Title:** Waste Reduction Administrator- Williamson County Solid Waste  
**Address:** 5750 Pinewood Rd., Franklin, TN 37064-9366  
**Phone:** (615) 790-3701

#### **6. Activity Of Solid Waste Board:**

The Williamson County Regional Solid Waste Planning Board is scheduled to meet once per month unless there is insufficient business to warrant a meeting. The regional solid waste planning board is comprised of five members. Williamson County appoints four members to the board and the City of Franklin appoints one. A list of these board members, their addresses, the entity they represent and their terms is included in Appendix I. In addition to board members, various members of the Department of Solid Waste attend the board meetings. The Director of Solid Waste generally serves as technical secretary to the board. Other members of the Department of Solid Waste assist in information gathering and reporting to the board on solid waste management issues relating to the region. Members of the audience at these meetings may consist of various interested parties inside and outside of local government. Parties outside of local government may include consultants, vendors, environmental groups and interested citizens. Generally time is reserved at the end of each meeting for members of the audience to comment if they wish.

The board reviews and approves each Regional Solid Waste Plan Annual Report and any updates to the Plan prior to its being submitted to the state. Generally, these plans are submitted in a timely manner. The Regional Solid Waste Planning Board is also aware that the Solid Waste Management Act requires that the board reviews and approved each permit for proposed new solid waste facilities prior to permit review by the state. The following steps as outlined by the TDEC-Division of Community Assistance are necessary regarding permit review by the Regional Solid Waste Board.



Williamson County Regional Solid Waste Planning Board Members and Staff

**Permit Review by Regional Solid Waste Boards  
Per the Solid Waste Management Act [T.C.A. 68-211-814(b)(1)(D)]**

1. The applicant must apply (in writing as he would to the Division of Solid Waste Management) to the Regional Solid Waste Board at or before the time the application process for technical review is initiated with the Division of Solid Waste Management.
2. Next, if the application is in order and the applicant wants to continue, the board must hold a public hearing with proper notice and a written record of the proceedings.

3. When the Board votes on the application, they are not expected to examine the proposal for technical merit. They are expected to compare the project with the financial needs and disposal plans described in the Region's approved ten year plan and determine if the application is consistent with and/or complementary to the plan's vision for the region.
4. The regional board has 90 days after the receipt of an application to make a decision. Once a decision is made, it must be communicated in writing to the Commissioner of Environment and Conservation Milton H. Hamilton, and cc: to Mike Apple (Director of Solid Waste Management) and Ron Graham (Director of Community Assistance).
5. A decision by the Region may be appealed in the Davidson (regardless of county board represents) County Chancery Court.

## **7. Region Formation And Structure**

The Williamson County Solid Waste Planning Region was formed to develop a regional solid waste management plan. Solid waste management issues at this time were very complex and controversial. Williamson County Officials determined at the time of region formation that Williamson County would form a single county region. County government officials felt that the continued progress and continuity of existing and planned solid waste management programs established and planned for the residents of Williamson County could best be achieved by continuing to plan as a single county region.

The problems associated with providing solid waste management in a manner that is acceptable to all interested groups in a cost effective and environmentally sound manner are still very complex and challenging. Williamson County Officials are satisfied with the status of Williamson County as a single county planning region.

## **8. Municipalities Providing Collection Services In Region**

Table 2-2 lists the type of collection services available in each of the jurisdictions within Williamson County. A review of this table will show that the only jurisdictions within the Williamson County Municipal Solid waste Planning Region which provide solid waste collection services are Williamson County, The City of Franklin and the City of Spring Hill.

Table 2-2 List of Municipalities in Williamson County Municipal Solid Waste Planning Region with a Description of the Municipal Solid Waste Collection Service Available

CITY/TOWN	Service Recipient	SERVICE PROVIDED	HOW FINANCED	ACCOUNTING
WILLIAMSON COUNTY	All residents of the County	Convenience Center Collection of residential refuse, recyclables, demolition/ construction debris, and used oil. Private haulers operating throughout the county on an individual subscription basis.	Paid out of Special Revenue Fund	Standard Chart of Accounts for County Government
FRANKLIN	Residents of the City of Franklin	Once per week curbside collection by city employees and equipment.	Paid for through utility bill collection.	Special Revenue Fund
SPRING HILL	Residents of the City of Spring Hill	Contracted curbside collection once per week.	Paid for through utility bill collection.	Special Revenue Fund
BRENTWOOD	Residents of the City of Brentwood	Residential and commercial waste collection through individual subscription with various private waste hauling companies operating in city.	Individual subscription	Not Applicable
NOLENSVILLE	Residents of the Town of Nolensville	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city. The county has a convenience center in Nolensville.	Private: Individual subscription. County conv. center: Special revenue fund.	Not applicable to individual subscription. Conv. Center through Std Chart of Accts.
FAIRVIEW	Residents of the City of Fairview	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city. The county has a convenience center in Fairview.	Private: Individual subscription. County conv. center: Special revenue fund.	Not applicable to individual subscription. Conv. Center through Std Chart of Accts.
THOMPSON STATION	Residents of the Town of Thompson Station	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city. The county has a convenience center in Thompson Station.	Private: Individual subscription. County conv. center: Special revenue fund.	Not applicable to individual subscription. Conv. Center through Std Chart of Accts.

A list of the county and cities providing collection services to their residents with their respective populations follows as Table 2-2

Table 2-3 Municipalities within the Williamson County Municipal Solid Waste Planning Region That Provide Municipal Solid Waste Collection

CITY/TOWN	POPULATION
CITY OF FRANKLIN	42,300 <sup>a</sup>
CITY OF SPRING HILL	24,500 <sup>b</sup>
WILLIAMSON COUNTY	123,793 <sup>c</sup>

<sup>a</sup> Based on December 31, 1999 estimate. Developed from special census taken in April 1999 and adjusted for dwelling units and occupancy rates.

<sup>b</sup> Data procured from Williamson County Chamber of Commerce based on Estimate for 1998.

<sup>c</sup> Estimate based on difference between total city populations and county total population.

## 9. Geographic And Demographic Description Of The Region:

The Williamson County Solid Waste Planning Region comprises over 584 square miles in central Tennessee. It is located to the southwest and adjacent to Metropolitan Nashville-Davidson County, the state's capital. It is generally divided between the physiographic provinces known as the Eastern Highland Rim and the Outer Central Basin. A small portion of the county in the east lies within the Inner Central Basin. Each of these three physiographic provinces lies within the eco-region known as the Interior Plateau. The rock type in this eco-region is generally non-cherty Ordovician limestone bedrock. The higher hills and knobs are capped by the more cherty Mississippian-age formations, and some Devonian-age Chattanooga shale. The region's limestone rocks and soils are high in phosphorus. Deciduous forests with pasture and cropland are typically the dominant land covers in non-urban areas. Streams are low to moderate gradient, with productive, nutrient rich waters.

The main centers of commercial activity are Franklin and Brentwood. Franklin is also the seat of the region's County Government. Other municipalities in the region listed in order of size are the City of Spring Hill; City of Fairview; Town of Nolensville; and Town of Thompson Station. The major employers in the region are the state and local government. The region has a diverse economic base and a relatively stable population of approximately 123,793 persons. Two major interstates pass through portions of the county.

## 10. Solid Waste Service Fee:

The region does not impose any solid waste fee on the residents of the region as defined by T.C.A. 68-211-835 (g)(1).

**11. Public Funding Costs and Revenues:**

The following tables summarize the cost and revenues involved in the public funding for solid waste programs and expenses in the region. The current funding scheme for these jurisdictions is satisfactory. Solid waste expenditures are currently being met by the existing revenue streams.

Table 2-4 FY 1999-2000 Budget and Revenue Summary for Jurisdictions in the Williamson County Solid Waste Planning Region Other Than Williamson County

	Jurisdiction	
<b>Expenditure</b>	City of Franklin	City of Spring Hill
Collection, Recycling, Disposal	\$3,289,675	\$277,000
<b>Total Expenditures</b>	<b>\$3,289,675</b>	<b>\$277,000</b>
<b>Revenues</b>		
General Fund Allocations	\$2,800,000	
User Fees	\$ 489,675	\$277,000
<b>Total Revenues</b>	<b>\$3,289,675</b>	<b>\$277,000</b>

Table 2-5 Budget and Revenue Summary for Williamson County

<b>Revenues FY:</b>	<b>1999-2000</b>
Class I Tipping Fees	\$600,000
Class III/IV Tipping Fees	\$200,000
Clean Woodwaste Tipping Fees	\$50,000
State Tire Grant	\$48,000
Sale of Metal Recyclables	\$52,000
General Fund Transfer	\$7,861,787
<b>Total Revenues</b>	<b>\$8,811,787</b>
<b>Expenditures FY:</b>	
Class I Landfill Budget:	
Salary	\$445,646
Fringe Benefits	\$153,000
Contractual Services	\$1,054,634
Supplies	\$114,300
Insurance	\$189,500
Interest	\$682,000
Capital Outlay	\$3,725,000
Total	\$6,364,080
Williamson Recycles Budget	
Salary	\$124,896
Fringe Benefits	\$42,877
Contractual Services	\$54,686
Supplies	\$4,200
Insurance	\$30,000
Interest	\$115,000
Capital Outlay	\$46,700
Total	\$418,359
Convenience Center Budget	
Salary	\$525,769
Fringe Benefits	\$151,350
Contractual Services	\$353,187
Supplies	\$74,842
Insurance	\$488,500
Interest	\$30,000
Capital Outlay	\$405,700
Total	\$2,029,348
<b>Grand Total Expenditures</b>	<b>\$8,811,787</b>

The current public funding mechanisms utilized by the jurisdictions within the region are satisfactory. Revenues continue to meet expenditures associated with solid waste management. No new fees or revenue streams are required, however, Williamson County anticipates transitioning to user fees and then to pay-as-you-throw to replace appropriations from the county's general fund during the next ten year planning period. The schedule for making this transition can be seen in the Region's ten-year implementation schedule included as Figure I-2. This transition is being made to facilitate waste reduction education efforts within the county.

## **12. Uniform Accounting Methods For Each City And County Requirement:**

Each municipality in the region continues to be in compliance with the financial accounting requirements of the Solid Waste Management Act. The cities of Franklin and Spring Hill, which provide solid waste collection services, account for solid waste collection activities in a special revenue fund. Williamson County continues to use the Standard Chart of Accounts for County Government with solid waste costs accounted for in a Special Revenue Fund.

## **13. Proposed Ten Year Solid Waste Budget for Region**

Figures 2-6 and 2-7 present the ten year solid waste budgets for political entities within the region which offer solid waste collection and/or disposal services. Figure 2-8 is a composite budget table for revenues and expenditures for the entire Region.

Table 2-6 Ten Year Solid Waste Budget and Revenue Projections for Political Jurisdictions Within the Williamson County Solid Waste Planning Region Other Than Williamson County

City of Franklin	Fiscal Year	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
Expenditures													
Recycling		\$ 20,000	\$ 80,000	\$ 84,000	\$ 84,000	\$ 88,200	\$ 92,610	\$ 97,241	\$ 102,103	\$ 107,208	\$ 112,568	\$ 118,196	\$ 124,106
Collection (including disposal contract)		\$ 3,269,675	\$ 3,433,159	\$ 3,604,817	\$ 3,604,817	\$ 3,785,058	\$ 3,974,310	\$ 4,173,026	\$ 4,381,677	\$ 4,600,761	\$ 4,830,799	\$ 5,072,339	\$ 5,325,956
Total Expenditures		\$ 3,289,675	\$ 3,513,159	\$ 3,688,817	\$ 3,688,817	\$ 3,873,258	\$ 4,066,920	\$ 4,270,266	\$ 4,483,780	\$ 4,707,969	\$ 4,943,367	\$ 5,190,536	\$ 5,450,062
Revenues													
General Fund													
Contribution to Solid Waste Special Revenue Fund <sup>a</sup>		\$ 2,800,000	\$ 3,013,690	\$ 3,179,359	\$ 3,179,359	\$ 3,353,610	\$ 3,536,880	\$ 3,729,626	\$ 3,932,326	\$ 4,145,486	\$ 4,369,635	\$ 4,605,329	\$ 4,853,151
Utility bill (\$1.75/mc/ht) <sup>b</sup>		\$ 489,675	\$ 499,469	\$ 509,458	\$ 509,458	\$ 519,647	\$ 530,040	\$ 540,641	\$ 551,454	\$ 562,483	\$ 573,732	\$ 585,207	\$ 596,911
Total Revenue		\$ 3,289,675	\$ 3,513,159	\$ 3,688,817	\$ 3,688,817	\$ 3,873,258	\$ 4,066,920	\$ 4,270,266	\$ 4,483,780	\$ 4,707,969	\$ 4,943,367	\$ 5,190,536	\$ 5,450,062
City of Spring Hill													
Expenditures-Collection and Disposal		\$ 277,000	\$ 309,300	\$ 341,600	\$ 373,900	\$ 406,200	\$ 438,500	\$ 470,800	\$ 503,100	\$ 535,400	\$ 567,700	\$ 600,000	\$ 632,300
Total Revenues <sup>c</sup>		\$ 277,000	\$ 309,300	\$ 341,600	\$ 373,900	\$ 406,200	\$ 438,500	\$ 470,800	\$ 503,100	\$ 535,400	\$ 567,700	\$ 600,000	\$ 632,300

<sup>a</sup> The revenue increases shown in this table for the utility bill line item reflect an assumed 2 % annual growth rate for households within the city.

<sup>b</sup> The revenue increases shown in this table for the General fund contribution to the City's Solid Waste Special Revenue Fund was calculated by taking the difference of the total City of Franklin solid waste budget and the projected utility bill revenues.

<sup>c</sup> These revenues are generated from the solid waste fee that is included on the city resident's utility bills.

Table 2-7 Proposed Ten Year Solid Waste Budget and Revenues for Williamson County Government

Description	Fiscal Year											
	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
<b>Williamson County- Expenditures</b>												
<b>Solid Waste-Landfill Budget</b>												
Salary	\$ 445,646	\$ 467,928	\$ 491,325	\$ 515,891	\$ 541,885	\$ 568,770	\$ 597,208	\$ 627,069	\$ 658,422	\$ 691,343	\$ 725,910	\$ 762,206
Fringe Benefits	\$ 153,000	\$ 160,650	\$ 168,683	\$ 177,117	\$ 185,972	\$ 195,271	\$ 205,035	\$ 215,286	\$ 226,051	\$ 237,353	\$ 249,221	\$ 261,682
Contractual Services <sup>a</sup>	\$ 1,054,634	\$ 236,080	\$ 247,863	\$ 260,256	\$ 273,289	\$ 286,932	\$ 301,279	\$ 316,343	\$ 332,160	\$ 348,768	\$ 366,206	\$ 384,517
Supplies	\$ 114,300	\$ 120,015	\$ 126,016	\$ 132,317	\$ 138,932	\$ 145,879	\$ 153,173	\$ 160,832	\$ 168,878	\$ 177,317	\$ 186,183	\$ 195,482
Insurance	\$ 189,500	\$ 198,975	\$ 208,924	\$ 219,370	\$ 230,338	\$ 241,855	\$ 253,948	\$ 266,646	\$ 279,978	\$ 293,977	\$ 308,678	\$ 324,109
Interest <sup>b</sup>	\$ 682,000	\$ 716,100	\$ 900,000	\$ 945,000	\$ 992,250	\$ 1,041,863	\$ 1,093,956	\$ 1,148,653	\$ 1,206,086	\$ 1,266,390	\$ 1,329,710	\$ 1,396,195
Capital Outlay <sup>c</sup>	\$ 3,725,000	\$ 250,000	\$ 262,500	\$ 1,750,000	\$ 289,406	\$ 303,876	\$ 319,070	\$ 335,024	\$ 351,775	\$ 369,364	\$ 387,832	\$ 407,223
Total	\$ 6,364,080	\$ 2,149,728	\$ 2,405,310	\$ 3,999,950	\$ 2,851,854	\$ 2,784,446	\$ 2,923,669	\$ 3,069,652	\$ 3,223,345	\$ 3,384,512	\$ 3,553,737	\$ 3,731,424
<b>Williamson Recycles Budget</b>												
Salary	\$ 124,896	\$ 131,141	\$ 137,698	\$ 144,563	\$ 151,812	\$ 159,402	\$ 167,373	\$ 175,741	\$ 184,528	\$ 193,755	\$ 203,442	\$ 213,615
Fringe Benefits <sup>d</sup>	\$ 42,877	\$ 45,021	\$ 47,273	\$ 49,635	\$ 52,117	\$ 54,723	\$ 57,459	\$ 60,332	\$ 63,349	\$ 66,516	\$ 69,842	\$ 73,334
Contractual Services	\$ 54,886	\$ 57,420	\$ 60,291	\$ 63,308	\$ 66,471	\$ 69,795	\$ 73,284	\$ 76,949	\$ 80,796	\$ 84,836	\$ 89,078	\$ 93,532
Supplies	\$ 4,200	\$ 4,410	\$ 4,631	\$ 4,862	\$ 5,105	\$ 5,360	\$ 5,628	\$ 5,910	\$ 6,205	\$ 6,516	\$ 6,847	\$ 7,183
Insurance	\$ 30,000	\$ 31,500	\$ 33,075	\$ 34,729	\$ 36,465	\$ 38,288	\$ 40,203	\$ 42,113	\$ 44,324	\$ 46,540	\$ 48,867	\$ 51,310
Interest	\$ 115,000	\$ 120,750	\$ 126,788	\$ 133,127	\$ 139,783	\$ 146,772	\$ 154,111	\$ 161,817	\$ 169,907	\$ 178,403	\$ 187,323	\$ 196,688
Capital Outlay <sup>e</sup>	\$ 46,700	\$ 149,035	\$ 156,487	\$ 164,311	\$ 56,784	\$ 59,602	\$ 62,582	\$ 65,712	\$ 68,997	\$ 72,447	\$ 76,069	\$ 79,873
Total	\$ 418,359	\$ 439,277	\$ 461,241	\$ 484,303	\$ 508,518	\$ 533,944	\$ 560,641	\$ 589,673	\$ 618,106	\$ 649,012	\$ 681,462	\$ 715,536
<b>Solid Waste-Convenience Center Budget</b>												
Salary	\$ 525,769	\$ 604,635	\$ 634,867	\$ 666,610	\$ 699,940	\$ 734,938	\$ 771,684	\$ 810,269	\$ 850,782	\$ 893,321	\$ 937,987	\$ 984,887
Fringe Benefits <sup>f</sup>	\$ 151,350	\$ 174,053	\$ 182,755	\$ 191,893	\$ 201,488	\$ 211,562	\$ 222,140	\$ 233,247	\$ 244,909	\$ 257,155	\$ 270,013	\$ 283,513
Contractual Services <sup>g</sup>	\$ 353,187	\$ 406,165	\$ 426,473	\$ 447,797	\$ 470,187	\$ 493,696	\$ 518,381	\$ 544,300	\$ 571,515	\$ 600,081	\$ 630,095	\$ 661,600
Supplies <sup>h</sup>	\$ 74,842	\$ 86,068	\$ 90,372	\$ 94,890	\$ 99,635	\$ 104,617	\$ 109,847	\$ 115,340	\$ 121,107	\$ 127,162	\$ 133,520	\$ 140,186
Insurance	\$ 488,500	\$ 512,925	\$ 538,571	\$ 565,500	\$ 593,775	\$ 623,464	\$ 654,537	\$ 687,369	\$ 721,737	\$ 757,824	\$ 795,715	\$ 835,501
Interest	\$ 30,000	\$ 31,500	\$ 33,075	\$ 34,729	\$ 36,465	\$ 38,288	\$ 40,203	\$ 42,113	\$ 44,324	\$ 46,540	\$ 48,867	\$ 51,310
Capital Outlay <sup>i</sup>	\$ 405,700	\$ 100,000	\$ 105,000	\$ 110,250	\$ 115,763	\$ 121,551	\$ 127,628	\$ 134,010	\$ 140,710	\$ 147,746	\$ 155,133	\$ 162,889
Total	\$ 2,028,348	\$ 1,915,346	\$ 2,011,113	\$ 2,111,669	\$ 2,217,252	\$ 2,328,115	\$ 2,444,520	\$ 2,566,748	\$ 2,695,084	\$ 2,829,838	\$ 2,971,330	\$ 3,119,896
Grand Total Solid Waste Expenditures	\$ 8,611,787	\$ 6,958,973	\$ 7,455,017	\$ 9,302,143	\$ 8,103,393	\$ 8,508,563	\$ 8,933,991	\$ 9,380,691	\$ 9,849,725	\$ 10,342,211	\$ 10,859,322	\$ 11,402,288

<sup>a</sup> Contractual services includes cost of landfill disposal contract and leachate treatment.

<sup>b</sup> Interest includes interest of money borrowed to close Class I landfill.

<sup>c</sup> The significantly higher capital outlay costs for FY 1999-2000 and 2002-2003 are related to the closure of the old Class I landfill and the closure of the lined class I landfill cell respectively. Capital costs in subsequent years are for the routine operation and maintenance of the old landfill cell areas. Class III/IV waste recycling programs, Class III/IV landfill and the transfer station.

<sup>d</sup> Fringe benefits are paid out of the county general fund and are not included in the Williamson Recycles Budget, therefore, their budgets above are inflated by that amount.

<sup>e</sup> Higher costs reflected in fiscal years 2000-2001, 2001-2002 and 2002-2003 are start-up cost associated with the commercial/industrial source reduction program for bins. After the first three years it is anticipated that the sale of recovered materials will fund program operation and further expansion.

<sup>f</sup> The higher increase in expenditures between FY 1999-2000 and 2000-2001 for salaries, fringe benefits, contractual services and supplies is related to the staffing of the new convenience center located at the Williamson County landfill which will go on line in FY 2000-2001.

<sup>g</sup> Fiscal year 1999-2000 reflects expenditures of \$300,000 in repairs and upgrades to the existing convenience center system.

Table 2-7 continued

Williamson County- Revenues																										
	Fiscal Year		2000-2001		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011			
Grand Total Solid Waste Expenditures	\$	6,811,787	\$	6,958,973	\$	7,455,017	\$	9,302,143	\$	8,103,993	\$	8,508,563	\$	8,933,981	\$	9,380,691	\$	9,849,725	\$	10,342,211	\$	10,859,322	\$	11,402,288		
Description of Revenue																										
Streams																										
Class I Tipping Fees	\$	600,000	\$	630,000	\$	661,500	\$	894,575	\$	729,304	\$	765,769	\$	804,057	\$	844,260	\$	886,473	\$	930,787	\$	977,337	\$	1,026,204		
Class II/IV Tipping Fees	\$	200,000	\$	210,000	\$	220,500	\$	231,525	\$	243,101	\$	255,256	\$	268,019	\$	281,420	\$	295,491	\$	310,266	\$	325,779	\$	342,068		
Clean Wood Waste Tipping Fees	\$	50,000	\$	52,500	\$	55,125	\$	57,881	\$	60,775	\$	63,814	\$	67,005	\$	70,355	\$	73,873	\$	77,566	\$	81,445	\$	85,517		
Tire Grants	\$	48,000	\$	48,000	\$	48,000	\$	48,000	\$	48,000	\$	48,000	\$	48,000	\$	48,000	\$	48,000	\$	48,000	\$	48,000	\$	48,000		
Metals	\$	52,000	\$	54,600	\$	57,330	\$	60,197	\$	63,206	\$	66,387	\$	69,685	\$	73,169	\$	76,828	\$	80,669	\$	84,703	\$	88,938		
County General Fund	\$	7,861,787	\$	5,963,873	\$	6,412,562	\$	8,209,965	\$	6,959,007	\$	7,309,357	\$	7,677,225	\$	8,063,488	\$	8,469,060	\$	8,894,913	\$	9,342,059	\$	9,811,562		
Contributions																										
User Fees																										
Pay-As-You-Throw																										
<b>Total Revenues</b>	\$	6,811,787	\$	6,958,973	\$	7,455,017	\$	9,302,143	\$	8,103,993	\$	8,508,563	\$	8,933,981	\$	9,380,691	\$	9,849,725	\$	10,342,211	\$	10,859,322	\$	11,402,288		

Table 2.8 Composite Budget and Revenue Projections for all Jurisdictions in the Williamson County Municipal Solid Waste Planning Region

City of Franklin												
Fiscal Year	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
Expenditures												
Recycling	\$ 20,000	\$ 80,000	\$ 84,000	\$ 88,200	\$ 92,610	\$ 97,241	\$ 102,103	\$ 107,208	\$ 112,568	\$ 118,196	\$ 124,106	
Collection and Disposal	\$ 3,269,675	\$ 3,433,159	\$ 3,604,817	\$ 3,785,058	\$ 3,974,310	\$ 4,173,026	\$ 4,381,677	\$ 4,600,761	\$ 4,830,799	\$ 5,072,339	\$ 5,325,956	
Total Expenditures	\$ 3,289,675	\$ 3,513,159	\$ 3,688,817	\$ 3,873,258	\$ 4,066,920	\$ 4,270,266	\$ 4,483,780	\$ 4,707,969	\$ 4,943,367	\$ 5,190,536	\$ 5,450,062	
Total Revenues	\$ 3,289,675	\$ 3,513,159	\$ 3,688,817	\$ 3,873,258	\$ 4,066,920	\$ 4,270,266	\$ 4,483,780	\$ 4,707,969	\$ 4,943,367	\$ 5,190,536	\$ 5,450,062	
City of Spring Hill												
Fiscal Year	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
Expenditures- Collection and Disposal	\$ 277,000	\$ 309,300	\$ 341,600	\$ 373,900	\$ 406,200	\$ 438,500	\$ 470,800	\$ 503,100	\$ 535,400	\$ 567,700	\$ 600,000	\$ 632,300
Total Revenues	\$ 277,000	\$ 309,300	\$ 341,600	\$ 373,900	\$ 406,200	\$ 438,500	\$ 470,800	\$ 503,100	\$ 535,400	\$ 567,700	\$ 600,000	\$ 632,300
Williamson County- Expenditures												
Fiscal Year	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
Williamson County Grand Total Solid Waste Expenditures	\$ 8,811,787	\$ 6,958,973	\$ 7,455,017	\$ 9,302,143	\$ 8,103,393	\$ 8,508,563	\$ 8,933,991	\$ 9,380,691	\$ 9,849,725	\$ 10,342,211	\$ 10,859,322	\$ 11,402,288
Williamson County Grand Total Solid Waste Revenues	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787
Region Total												
Fiscal Year	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
Description	\$ 9,088,787	\$ 10,567,948	\$ 11,309,775	\$ 13,364,859	\$ 12,382,851	\$ 13,013,953	\$ 13,676,057	\$ 14,367,570	\$ 15,093,094	\$ 15,853,279	\$ 16,649,867	\$ 17,484,850
Solid Waste Expenditures	\$ 9,088,787	\$ 12,410,762	\$ 12,666,546	\$ 12,874,504	\$ 13,091,245	\$ 13,317,208	\$ 13,552,854	\$ 13,798,667	\$ 14,055,156	\$ 14,322,864	\$ 14,602,323	\$ 14,894,150
Solid Waste Revenues	\$ 9,088,787	\$ 12,410,762	\$ 12,666,546	\$ 12,874,504	\$ 13,091,245	\$ 13,317,208	\$ 13,552,854	\$ 13,798,667	\$ 14,055,156	\$ 14,322,864	\$ 14,602,323	\$ 14,894,150

Solid Waste Budgets Contacts:

Table 2-9 Solid Waste Budget Contacts for Each Political Entity Within the Williamson County Solid Waste Planning Region

CITY/TOWN	SOLID WASTE BUDGET CONTACT
WILLIAMSON COUNTY GOVERNMENT	<b>Name:</b> Lewis Bumpus <b>Title:</b> Director – Williamson County Solid Waste <b>Phone:</b> (615) 790-0742
CITY OF FRANKLIN	<b>Name:</b> Joe Williams <b>Title:</b> Solid Waste Director <b>Phone:</b> (615) 794-1516
CITY OF BRENTWOOD	<b>Name:</b> Carson Swinford <b>Title:</b> Acting Finance Director <b>Phone:</b> (615) 371-0060
TOWN OF NOLENSVILLE	<b>Name:</b> Cindy Lancaster <b>Title:</b> Town Clerk <b>Phone:</b> (615) 776-3633
CITY OF FAIRVIEW	<b>Name:</b> Shirley Forehand <b>Title:</b> Interim City Manager <b>Phone:</b> (615) 799-2484 Ext. 810
TOWN OF THOMPSON STATION	<b>Name:</b> Cherry Jackson <b>Title:</b> Mayor <b>Phone:</b> (615) 794-6978
CITY OF SPRING HILL	<b>Name:</b> June Quirk <b>Title:</b> City Recorder <b>Phone:</b> (615) 486-2252 Ext. 204

## CHAPTER 3: Waste Streams

### 1. 1999 Solid Waste Generation

Table 3-1 Solid Waste Generated Within the Region and Disposed of In Class I Landfills or MSW Incinerators

Source Of Information	Tonnage
West Camden Class I Landfill, WMI	62,568.55
Cedar Ridge Class I Landfill, WMI	19,021.17
Middlepoint Class I Landfill, BFI	14,123
<b>Total</b>	<b>95,713</b>

### 2. Solid Waste Distribution by Source

Table 3-2 Solid Waste Percentage Distribution \*

CLASSIFICATION	PERCENT OF TOTAL
RESIDENTIAL	23
COMMERCIAL	29
INDUSTRIAL	29
INSTITUTIONAL	19
OTHER	0
<b>TOTAL</b>	<b>100 %</b>

\*This distribution is based on national percentages for waste according to source. Source of information is EPA contracted study.

### 3. Estimates Of Specific Types of Wastes Generated In The Region

Table 3-3 Percentages of Specific Wastes

CATEGORY	AMOUNT	PERCENT ESTIMATE
RECYCLABLES	12,566.59	8.81
YARD WASTE AND CLEAN WOOD WASTE	1,446.27	1.01
TIRES	785.01	0.55
HOUSEHOLD HAZARDOUS WASTE	26.05	0.02
WHITE GOODS *		
CONSTRUCTION/DEMOLITION WASTE	32,080.79	22.49
WASTE DISPOSED	95,713	67.12
<b>TOTAL</b>	<b>142,617.71</b>	<b>100</b>

\*This material is accounted for in the recycling totals.

**4. Amount Of Waste Reduced and/or Diverted From The Total Generated Waste Stream**

Table 3-4 Waste Not Disposed Of In Class I Landfills or Incinerators

ITEM	TONS
Source Reduction	Not Quantifiable
Recycling	12,566.59
Composting	1,446.27
Diversion	32,891.85
Unmanaged Waste*	0
<b>Total</b>	<b>46,904.71</b>

\* The amount of waste is assumed to be insignificant in comparison with other tonnages above. This assumption is based on the lack of complaints on waste dumping and by the visual observations of employees of the Williamson County Solid Waste Department.

Table 3-5 Waste Stream by Management Option for 1999

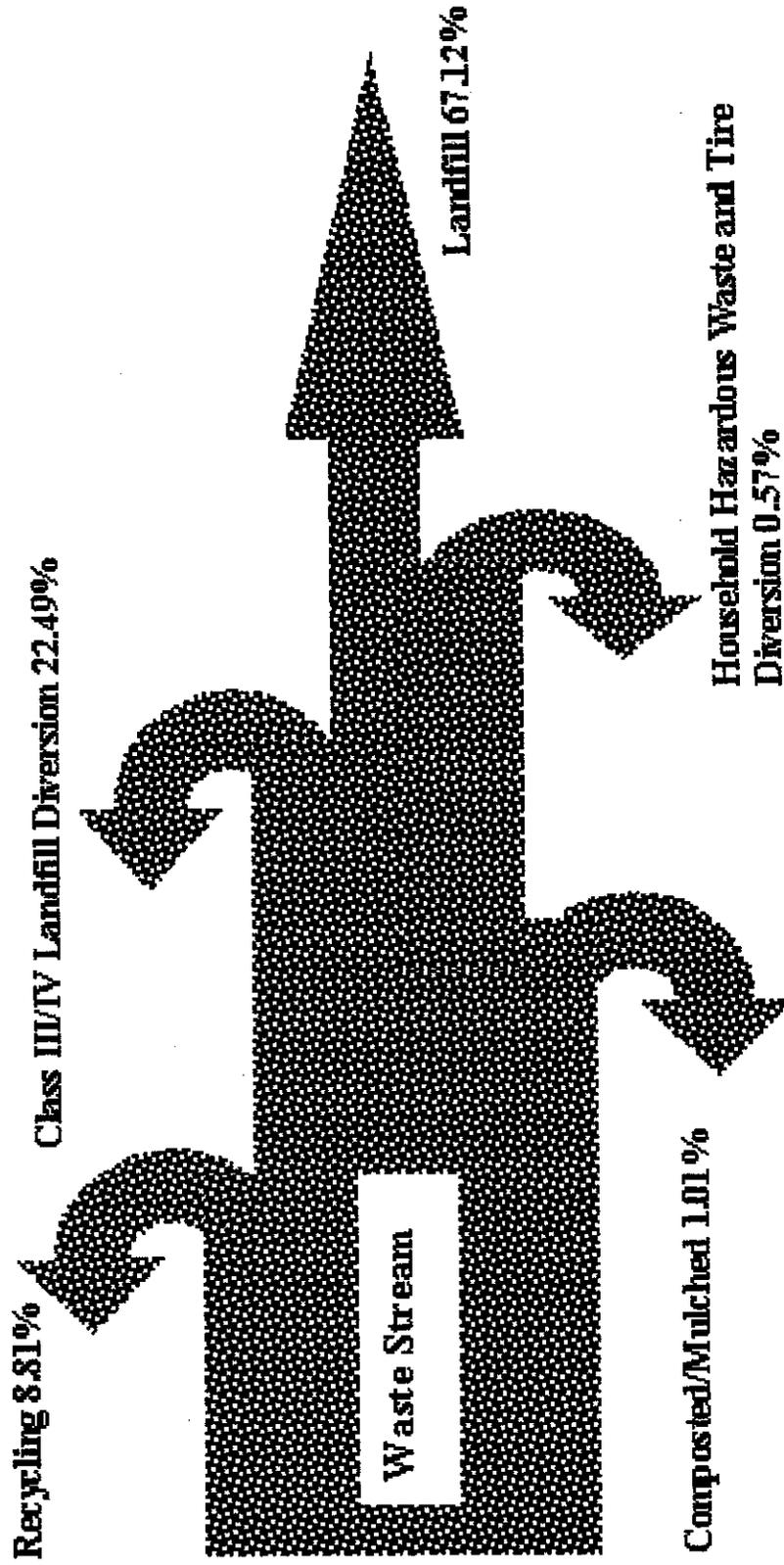
ITEM	TONS	% OF TOTAL WASTE STREAM
Source Reduction*	Not Quantifiable	—————
Recycling**	12,566.59	8.81
Composting**	1,446.27	1.01
Diversion (Tires and Household Hazardous Waste)**	811.06	0.57
Class III/IV Disposal**	32,080.85	22.49
Class I Disposal**	95,713	67.12
Unmanaged Waste***	0	0
<b>Total</b>	<b>142,617.71</b>	<b>100</b>

\* Source reduction at the commercial and industrial level is not quantifiable at this time, so it has not been included in calculations for percent waste reduction of total waste stream.

\*\* These figures are based on actual tonnages received or those provided by facility operators. Table I-4 lists the programs and facilities, which provided the data, used to develop these estimates.

\*\*\* The amount of waste is assumed to be insignificant. This assumption is based on the lack of complaints on waste dumping and by the visual observations of employees of the Williamson County Solid Waste Department.

Figure 3-1 Flow Diagram of Current Solid Waste Management Methodology For Williamson County MSW Planning Region



Williamson County MSW Planning Region

## **5. Regional Demographic Trends:**

Population growth for the area is estimated to have increased by 52.8% from the 1990 census until the year 1999. No significant change in the population growth rate is anticipated over the planning period. Williamson County has a diverse and stable economy, is conveniently located to a major hub of the southeastern United States of America (Nashville) and has many amenities, which contribute to the high quality of life experienced by it's residents. Williamson County's high growth rate is expected to continue for the duration of the ten-year planning period.

## **6. Regional Economic Conditions:**

Williamson County and the cities included in the planning region have a diverse and stable economy. The largest non-governmental employers are Cool Springs Galleria; Primus Financial Services; and COMDATA.

Unemployment for Williamson County was at 1.6% for the month of December. The state's unemployment rate for the same period was 3.7%.

## **7. Top Contributors To Overall Waste Stream Generated:**

See Following Table 3-6 for the top contributors to the overall waste stream generated in the region.

Table 3-6 Top Contributors to Overall Waste Stream

Name	Address	Phone	No. Employees	Type of Waste	Estimated Amount Contributed in %
Williamson County School District	1320 West Main St. Franklin, TN 37064	(615) 595-4700	2,500 employees 19,120 students	Institutional	1-2%
Franklin Special School District	507 new highway 96 West Franklin, TN 37064	(615) 794-6624	550 employees 3,800 students	Institutional	Less than 1%
Cool Springs Galleria	1800 Galleria Blvd. Brentwood, TN 37067	(615) 771-2050	3,500 employees	Commercial	Less than 1%
Primus Financial Services	9009 Carothers Pkwy. Franklin, TN 37068-0020	(615) 315-7900	1,600 employees	Office Waste	Less than 1%
Comdata Holdings Corporation	5301 Maryland Way Franklin, TN 37064	(615) 370-7000	1,200 employees	Office Waste	Less than 1%
Service Merchandise Co, Inc. Headquarters	Service Merchandise Blvd. Brentwood, TN 37027	(615) 660-7350	900 employees	Office Waste	Less than 1%
Bell South Data Center	402 Franklin Rd. 37027	(615) 373-0932	662 employees	Office Waste	Less than 1%
CPS Corporation	1715 Columbia Ave. Franklin, TN 37064	(615) 794-8000	650 employees	Gift Wrap and Ribbon	Less than 1%
Williamson Medical Center	I-65 and Hwy. 96 E Franklin, TN 37064	(615) 791-0500	600 employees	Institutional	Less than 1%
Orchid International	100 Winner's Circle 37027	(615) 661-4300	450 employees	Metal Stamping	Less than 1%
LASKO Metal Products	300 Confederate Dr. Franklin, TN 37064	(615) 794-2531	430 employees	Metal Fans and Heaters	Less than 1%
LDM Technologies, Inc.	309 Eddy Ln. Franklin, TN 37064	(615) 794-1573	400 employees	Plastic Auto Parts by Injection Molding	Less than 1%
France Manufacturing	726 Fairview Blvd. West Fairview, TN 37062	(615) 799-0551	350 employees	Ballast and Transformers	Less than 1%
APCOM Inc.	125 Southeast Pky. Franklin, TN 37064	(615) 591-7653	330 employees	Water Heater Elements	Less than 1%
Georgia Boots and Shoes	1810 Columbia Ave. Franklin, TN 37064	(615) 794-1556	289 employees	Boots and Shoes	Less than 1%
Telco	1870 General George Patton Dr. 37067	(615) 377-9910	250 employees	Telecommunication Equipment	Less than 1%

Source: Williamson County Chamber of Commerce: (615) 794-1225

## **8. Clean Up And Litter Prevention Programs:**

Carolyn Gallagher  
Recycling Coordinator- Williamson County Solid Waste  
Phone: (615) 790-5848

Litter Clean-up Programs- See description of litter clean-up program in Chapter I, section titled Current Waste Management Strategy, Paragraphs identified as Litter Clean-up.

Litter Prevention- See description of litter prevention programs in Chapter I, section titled Current Waste Management Strategy, paragraphs identified as Solid Waste Education and Table I-4 which summarizes these programs.

## **9. The 25% Waste Reduction And Diversion Goal: Comment On The Economic Growth Adjustment Formula**

The use of an economic growth adjustment formula could prove to be of some benefit for the Williamson County Solid Waste Planning Region once a realistic base year waste generation rate has been established. Williamson County's base year waste generation rate has been set by the State at an average significantly below that which a region of the economic and growth history would expect to be assigned. In the absence of detailed records, therefore, the very real achievements of Williamson County's waste reduction programs are not reflected in the overall calculations. Williamson County is a significant commerce center in the middle Tennessee area and could more fairly account for waste reduction in the region with the application of this type of formula. However, a more thorough review of the formula in conjunction with accurate base year waste generation data for the region would be required before any definite opinion could be formed.

## **10 Effects Of 1995 Base Year And 2003 Goal Year For 25% Waste Reduction And Diversion Goal**

The new base year generation rate assigned by the state for the Williamson County MSW Planning Region is even lower than Williamson County's original base year waste generation number. Unless the state reconsiders and approves this number to be adjusted to reflect the true waste generation rate within the region and take into account existing waste reduction efforts, the region's waste reduction efforts will continue to be underestimated and underreported. This has the potential to confuse the public and local decision-makers in planning for future waste reduction programs. The region has a large and diverse economy and should be allowed by the state to establish a base year waste generation rate, which is more reflective of the region's economic profile.

## 11. Current Reduction And Diversion Programs:

In 1993 Williamson County had recently opened its MRF and was just beginning its foray into waste reduction. Today, with the MRF still an integral component to the County's waste reduction efforts, Williamson County operates a wide range of waste reduction programs convenient to its residents as well as to its industrial and commercial community members. These waste reduction programs include source reduction, re-use, recycling, composting and diversion and are summarized in the following paragraphs.

Source Reduction- Williamson County's source reduction programs are being met with great success. The most recent initiative includes an industrial/commercial waste reduction pilot program. In this program, members of the commercial/industrial sector are offered the opportunity for a free waste audit, then, once potential waste reduction/recycling opportunities are identified, are offered technical assistance, a waste avoidance analysis and incentives in the implementation of programs to eliminate, reduce or recycle these waste streams. Initial success with this program includes the diversion of approximately 130 tons of cardboard per year. The County also networks with existing groups such as the schools and master gardeners program and through county operated education program, Williamson Recycles, to provide information to citizens on source reduction efforts that can be made in the home.

Household Hazardous Waste Collection- Williamson County conducts two household hazardous waste collection events per year. These events have some of the highest participation rates in the state. During the last Household Hazardous Waste Collection Event held in Williamson County, the state recorded the highest participation rate ever in the state for this type of event. In 1999 approximately 26.05 tons of household hazardous waste was collected and diverted from disposal in Class I landfills. The county's household hazardous waste collection event conducted in May of 1999 had the highest participation rate on record in the state (2.49%).

Recycling- Williamson County offers a wide array of recycling programs. As with the county's source reduction programs, these programs have been developed for both Williamson County residents and the commercial/industrial sector. The main cog in the county's recycling efforts is the Williamson County MRF. The MRF provides the processing capability necessary for the convenience center drop-off recyclables collections, the schools office paper, cardboard and phone book recycling program and the commercial/industrial recycling program. In addition to MRF recycling, the county has in the last year initiated a carpet padding and carpet recycling program. Estimates are that this program is diverting approximately 100 tons per year.

Compost/Mulch - Williamson County has seen at the close of 1999 the successful implementation of its clean woodwaste compost and mulch program. The county is able to handle a broad spectrum of clean woodwaste with the equipment dedicated to this process and in calendar year 1999 diverted for beneficial use approximately 1446.27 tons of material

which would have otherwise taken up approximately 6000 cubic yards of air space in the county's class III/IV landfill.

Waste Diversion- In addition to Williamson County's operation of a Class III/IV landfill, some private haulers collect Class III/IV waste which they haul directly to other Class III/IV landfills such as the Waste Management, Inc. Class III/IV landfill in Davidson County, or the Wilson County Class III/IV landfill. Approximately 30,375.96 tons of Class III/IV waste was diverted in 1999 to Williamson County's Class III/IV landfill. Another 1704.83 tons were diverted to other Class III/IV landfills for a total of 33,985.94 tons of material diverted to Class III/IV disposal in 1999. Furthermore, Williamson County diverted approximately 785.01 tons of shredded tires from Class III/IV disposal for use as a fuel replacement for coal at electric utility plants and at pulp mills

A summary of these programs and the tonnage diverted by these programs in 1999 is summarized in tabular form as follows in Table I-4.

Table I-4 Waste Reduction Programs and Tonnage Reduced or Diverted in Calendar Year 1999

Waste Reduction Programs For Calendar Year 1999	Tonnage
Source Reduction	
Instruction on Waste Reduction in the Home and Yard	Not Quantifiable
Commercial/Industrial Waste Audits and Technical Assistance on Waste Reduction	Not Quantifiable
Waste Diversion Incentives Program	Not Quantifiable
Industrial and Commercial Source Reduction	Not Quantifiable
Recycling	
Residential	
City of Franklin	89.32
Williamson County MRF Recycling, including:	
Convenience Center Drop-off Recyclables Collection	
Individual Industry Recycling	
Commercial/Industrial Office Paper	
School paper/cardboard	10,823.27
School phone book	1,654
Batteries	1,446.27
Clean Woodwaste Compost and Mulch Program	26.05
Household Hazardous Waste Diversion	785.01
Tire Diversion for Energy Recovery	
Class III/IV Waste Diversion From Class I Landfills	
Williamson County Class III/IV Landfill	30,375.96
Southern Services Class III/IV Landfill, Waste Management, Inc., Davidson County	1,704.83
<b>Total Tons Waste Reduced, Recycled or Diverted From Class I Landfill Disposal</b>	<b>46,904.71</b>

Table 3-7 Summary of Williamson County Waste Reduction and Diversion Programs

<b>Current Program</b>	<b>Relative Success Level</b>	<b>Funding and Revenues</b>
Commercial and Industrial Source Reduction Program	The commercial and industrial source reduction program initiated by Williamson County in the early part of this year has the potential for eliminating waste from the waste stream at the lowest cost. This program will be pursued more aggressively in this and the coming years. Initial success with this program indicates that approximately 130 tons per year of cardboard will be diverted from Class I landfill disposal this year.	This program is being funded by the county for the first three years after that the revenues from the sale of collected material is anticipated to cover the cost of operation and continued expansion of the program.
Commercial Office Paper Waste Reduction Program	This program has met with great success and the county is in the process of expanding it to serve even more business in the Williamson County region over the next few years. Because the paper collected by this program is combined with paper dropped of by the schools and other contributors it is not possible to break out the amount of paper collected and recycled through this program.	The material collected through this program is collected and processed by the Williamson County MRF contractor. Funding for the program is covered to some extent by the contractual payment that the county makes toward operation of the MRF. Revenues realized form the marketing of this material are retained by the MRF contractor.
Drop-off Recycling Program	This has been a very successful and cost effective program. One of the major advantages of the recyclable drop off program is its accessibility to all residents of the area. The amount of waste diverted by this program is combined with other materials carried to the Williamson County MRF directly and so is accounted for in an aggregated total with other recyclables.	The approximate cost for operating this program is \$80 per ton. The revenue to fund this program is generated from the General Services District General Fund.
Yard Waste Composting/Mulching Program	This has been a very successful program with a significant amount of yard waste being processed by a chipper service. Approximately 1446.27 tons of brush and clean woodwaste were diverted from Class I disposal in 1999 by this program.	The revenue to fund this program is generated from the General Fund with transfers to the special revenue fund for solid waste management.

<p>Construction/demolition Waste Materials Diversion Program</p>	<p>The material collected from construction demolition activities is disposed of in the Williamson County Class III/IV Landfill and the Southern Services Class III/IV Landfill. The amount of waste diverted by these facilities from Class I disposal is estimated to be 32,080 tons.</p>	<p>The cost for operating the Williamson County Class III/IV landfill is included in the Solid Waste landfill budget. The tipping fees charged for Class III/IV material delivered to this facility is \$6.50 per cubic yard for Class III/IV waste and \$2.00 per cubic yard for separated clean woodwaste and yard waste.</p>
<p>Household Hazardous Waste Collection Program</p>	<p>Participation at the region's household hazardous waste collection events has been significant.</p>	<p>The program is operated through contribution from the county general fund and by utilization of the state household hazardous waste collection program.</p>

## **Current Trends And Needs With Regard To Waste Reduction, Recycling And Diversion Programs**

There are no outstanding needs with regard to waste reduction, recycling or diversion issues that have not been addressed with current programs or will be addressed by planned programs. Williamson County's record for proactive waste reduction initiatives is well documented. Williamson County plans to continue to proactively manage it's waste stream. As new markets and/or technologies develop Williamson County will continue to assess the associated costs and benefits as they pertain to Williamson County. Williamson County will endeavor to identify and implement environmentally and economically beneficial markets and technologies in the region.

The cities within the Williamson County Municipal Solid waste planning Region have identified no outstanding needs.

The trend has been the widespread acceptance and utilization of solid waste management programs within all jurisdictions of the region. The region anticipates no change in this trend. Residents of all jurisdictions within the region continue to support the proactive management of waste in the region.

### **Intra-regional Jurisdiction Cooperation**

The Cities included within the Williamson County Solid Waste Planning Region that provide solid waste collection are the City of Franklin and Spring Hill. The city of Spring Hill anticipates no major changes to its solid waste program during the projected ten-year planning period. The cities of Franklin and Brentwood and Williamson County have begun discussions on ways they might further work together in expanding solid waste collection and waste reduction opportunities within the county, however it is premature at this point to say what direction these discussions might take.

## **Proposed Programs and Changes to Waste Management Strategy**

Solid waste management has been and will continue to be a dynamic arena for its players. Successful programs will rely upon flexible strategies that adapt to changes in the field. Even the most carefully crafted ten year plan for managing a region's waste can quickly become outdated if it cannot adjust to the:

- ◆ emergence of innovative technology;
- ◆ opening of new markets and/or the closing of old ones;
- ◆ fluctuations in regional economy; or
- ◆ swings in public perception.

The Williamson County Solid Waste Planning Region has worked hard to project the direction in which the region should move during the next ten year planning horizon as described below. However, the region's officials realize that continued success with solid waste programs is contingent on focusing on the much shorter term in conjunction with flexible programs. Short term planning with conscientious monitoring of existing markets, technologies and trends coupled with flexible programs will allow the region to quickly adapt to fluctuations in the field and take advantage of these turns or cut losses as necessary. Therefore, the proposed programs, facilities and changes described in this section are meant to be a guide or vision for local decision makers as was intended by the Solid Waste Management Act of 1991, and not to be construed as mandates for local decision makers by state agencies.

The Williamson County Solid Waste Planning region does not have any outstanding current or anticipated future needs with regard to waste reduction, recycling, compost and mulch or diversion programs. The Region through implementation of existing programs has made considerable progress toward increasing source reduction, recycling, composting and waste diversion during the last five years. Williamson County has increased waste reduction, diversion and recycling within the region from 0% in 1991 to 34.22% in 1999. It should be noted that this is the documentable waste reduction of the region. This is in direct conflict with the region's failure to meet the 25% waste reduction goal as defined and reported by the state. The state's assessment of the region's progress is based on calculations that use a state-assigned base year waste generation rate for the region significantly lower than the average in the state for regions of similar economic activity. This low base year waste generation rate remains in discussion between the region and the state at the time of this update. Williamson County remains hopeful that a suitable solution can be worked out so that the 25% mandated reduction is reflected accurately in the reduction calculations.

In addition to City and County operated recycling programs within the region, the strong market for some recyclables has no doubt increased recycling efforts among the commercial and industrial sectors as well as the public sector but these efforts are difficult to quantify.

Even though the Williamson County Solid Waste Planning Region is currently reducing, recycling or diverting well over 25% of its waste, the Region is still committed to continue the expansion of its waste reduction programs. Williamson County's officials recognize that the County's high growth rate, coupled with ever increasing Class I waste disposal cost and the associated long term liability of Class I waste disposal, necessitates continued perseverance in enhancing and

maximizing practical, economical and environmentally sound waste reduction within the region. In an effort to pursue this as a goal, the Region anticipates the continuation of, changes in and/or additions to its waste management programs as outlined in the following paragraphs.

The Cities included within the Williamson County Solid Waste Planning Region, which provide solid waste collection, are the City of Franklin and Spring Hill. The city of Spring Hill anticipates no major changes to its solid waste program during the projected ten-year planning period. The cities of Franklin and Brentwood and Williamson County have begun discussions on ways they might further work together in expanding waste reduction opportunities within the county, however it is premature at this point to say what direction these discussions might take.

Williamson County does anticipate the expansion of some existing programs and the implementation of new programs.

Carpet/ Carpet Padding Recycling- Calendar year 2000 has already seen the addition of carpet and carpet padding recycling to Williamson County's waste reduction programs. The addition of this commodity to the region's recycling program was unanticipated during the previous years. The Williamson County Solid Waste Department will continue to monitor solid waste recycling markets for the developments concerning other waste materials.

Clean Woodwaste- This program began operation in the spring of calendar year 2000. The clean woodwaste composting/much program involves the collection of clean woodwaste, brush, stumps and yardwaste and converting this material through mechanical reduction, screening and composting into marketable products. The clean woodwaste recycling program which started in calendar year 1999 will be expanded in calendar year 2000 as the volume of material received increases. Currently, the clean woodwaste received by this program is mechanically reduced with a shear, fed through a shredder, and pre-screened for separation into a soil amendment pile, a compost pile or a mulch pile depending upon the percent content of fines in the screened material.

All soil amendment material is currently being utilized on site in the establishment of vegetative cover.

Waste Tire Recycling Program- Williamson County officials are satisfied with the county's current waste tire diversion program as described in the previous section titled **Current Waste Management Strategy**. The county anticipates no changes to the program currently in place.

Office Paper- The office paper recycling program initiated by the county in calendar year 1996 has been operating effectively for the last four years. With the addition of staff in the last calendar year this program will be more aggressively marketed. Specific businesses will be targeted each year by utilizing Chamber of Commerce information on new and existing business that potentially generate significant quantities of office paper. Appointments will be scheduled with appropriate persons at these businesses to inform them of the advantages and opportunities within Williamson County for office paper recycling and to investigate the potential of working with these businesses to recycle waste paper.

Commercial and Industrial Waste Reduction Pilot Program-Williamson County anticipates expanding the existing commercial and industrial waste collection program as described under the

previous section titled Current Waste Management Strategy. Short term plans for expansion of this program involve targeting three to five businesses annually for waste reduction audits. The results of these audits will determine what containers the county will need to provide for material collection. The county anticipates appropriating funds for the next three fiscal years toward this program. Beyond the next three years revenues from the sale of recovered materials will fund future expansions.

Class III/IV Metals Recycling- Williamson County will begin a metals recycling program from metals pulled out of class III/IV waste received at the county's class III/IV landfill site. This program is scheduled to begin in fiscal year 2000-2001. Metals in class III/IV landfill waste will be recovered in one of two ways: 1) When quantities are sufficient, the equipment operator will pull this material out of waste dumped at the working face by a track hoe; 2) Class III/IV waste received for processing with the shredder will pass through a series of magnets located on the shredder which will pull out any ferrous metals.

Class III/IV Landfill Fines Recycling- Williamson County Class III/IV landfill personnel are pursuing approval by the TDEC-Division of Solid Waste Management of a pilot program for the use of inert landfill fines screened out of class III/IV landfill waste as alternate daily cover. The inert class III/IV landfill waste will consist of two by fours, shingles, sheet rock, etc. which has been processed by the shredder located at the landfill and then screened.

The class III/IV metals recycling program and the class III/IV landfill fines recycling program are not expected to produce any significant revenues but should provide the county significant savings through the avoided cost of otherwise having to dispose of this material.

An implementation schedule for the new and expanded programs planned by the Williamson County Solid Waste Department is included as Figure I-2.



## CHAPTER 4: Collection and Transportation

### 1. List of Collection Services Available In The Region

Table 4-1 Collection Services Available In The Region:

CITY/TOWN	Service Recipient	SERVICE PROVIDED	HOW FINANCED	ACCOUNTING
WILLIAMSON COUNTY	All residents of the County	Convenience Center Collection of residential refuse, recyclables, demolition/construction debris, and used oil is provided through ten locations across the county. Private haulers operate throughout the county as well on an individual subscription basis.	Paid out of Special Revenue Fund	Standard Chart of Accounts for County Government
FRANKLIN	Residents of the City of Franklin	Once per week curbside collection by city employees and equipment.	Paid for through utility bill collection.	Special Revenue Fund
SPRING HILL	Residents of the City of Spring Hill	Contracted curbside collection once per week.	Paid for through utility bill collection.	Special Revenue Fund
BRENTWOOD	Residents of the City of Brentwood	Residential and commercial waste collection through individual subscription with various private waste hauling companies operating in city.	Individual subscription	Not Applicable
NOLENSVILLE	Residents of the Town of Nolensville	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city. The county has a convenience center in Nolensville.	Private: Individual subscription. County conv. center: Special revenue fund.	Not applicable to individual subscription. Conv. Center through Std Chart of Accts.
FAIRVIEW	Residents of the City of Fairview	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city. The county has a convenience center in Fairview.	Private: Individual subscription. County conv. center: Special revenue fund.	Not applicable to individual subscription. Conv. Center through Std Chart of Accts.
THOMPSON STATION	Residents of the Town of Thompson Station	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city. The county has a convenience center in Thompson Station.	Private: Individual subscription. County conv. center: Special revenue fund.	Not applicable to individual subscription. Conv. Center through Std Chart of Accts.

## **2. Minimum Collection Requirements:**

Williamson County assures that adequate solid waste collection is available to all residents of Williamson County through a network of convenience centers. The county operates ten of these centers across the county. This number of convenience centers more than satisfies the requirements of the State's Division of Solid Waste Management's regulations. This system is well received by Williamson County residents and adequately meets the needs of the county's population.

## **3. Collection Needs Of The Region:**

The region is well served by the existing solid waste infrastructure. There are no outstanding needs with regard to solid waste collection. There are no major changes anticipated to any of the existing solid waste collection systems during the ten year planning period.

Williamson County residents are well aware of collection opportunities within the region. The trend has been for Williamson County residents to utilize existing collection services and to manage waste responsibly. The region anticipates this trend to continue during the next ten year planning period.

## CHAPTER 5: Recycling

**Recycling Coordinator:** Lewis Bumpus  
 5750 Pinewood Rd.,  
 Franklin, TN 37064-9366  
 (615) 790-0742

### Recycling Programs in the Region

Table 5-1 Publicly Operated Recycling Programs

PROGRAM NAME	CONTACT ADDRESS PHONE	ITEMS ACCEPTED	PROGRAM DESCRIPTION
Williamson County Recyclables Drop-off Collection Sites.	Lewis Bumpus 5750 Pinewood Rd. Franklin, TN 37064-9366 (615) 790-0742	Glass, aluminum, mixed metal, newspaper, cardboard, plastic bottles #1 and #2	Various location through the county (Kroger grocery stores, schools and convenience centers) Available to anyone who wishes to deposit acceptable recyclable items
Williamson County Materials Recovery Facility "Recycle America".	Lewis Bumpus 5750 Pinewood Rd. Franklin, TN 37064-9366 (615) 790-0742	Aluminum, Mixed Metals, Paper, Cardboard, Plastic, Glass	Processing location of recyclable materials open during normal business hours 8:00 am to 4:00 pm, Monday-Friday for donations
Williamson County Office Paper Recycling Program.	Lewis Bumpus 5750 Pinewood Rd. Franklin, TN 37064-9366 (615) 790-0742	Office Paper	Various offices throughout the county who elect to participate. Available to all employees of participating offices
Williamson County Schools and City of Franklin Special School District.	Lewis Bumpus 5750 Pinewood Rd. Franklin, TN 37064-9366 (615) 790-0742	Paper, Cardboard and Phone Books	Available to all residents of the county.
Williamson County Carpet Padding and Carpet Recycling.	Lewis Bumpus 5750 Pinewood Rd. Franklin, TN 37064-9366 (615) 790-0742	Carpet Padding and Carpet	Drop-off available at Williamson County Class III/IV Landfill to all residents of County

### Central Materials Processing Facility

**Name of facility:** Recycle America  
**Owner of facility:** Williamson County  
**Type of Facility:** Publicly Operated Materials Recovery Facility (MRF)  
**Contact:** Lewis Bumpus  
**Address:** 5750 Pinewood Rd.  
Franklin, TN  
37064-9366  
**Phone:** (615) 790-0742  
**Population served by the facility:** All population of region  
**Types of materials processed:** Aluminum, mixed metal, paper, cardboard, glass, plastic  
**Approx. volume processed annually:** 10,823 tons  
**Description of facility/process:** Processing and marketing of recyclables from County recycling drop-off points and schools, and processing and marketing of materials received from commercial and industrial sector.

### Composting Facility

**Name of facility:** Williamson County Yard and Clean Wood waste Composting  
**Owner of facility:** Williamson County  
**Type of Facility:** Publicly Operated Yard and Clean Wood waste Composting Facility  
**Contact:** Lewis Bumpus  
**Phone:** (615) 790-0742  
**Address:** 5750 Pinewood Rd., Franklin, TN  
**Population served by the facility:** All population of region  
**Approx. volume composted annually:** 1,446.27  
**Description of facility/process:** Yard waste, brush and clean wood waste are processed and composted at the Williamson County class III/IV landfill.

#### 1. Progress And Setbacks In Recycling And Reduction Efforts:

Williamson County has identified potential markets for carpet/carpet padding, Class III/IV wood waste, Class III/IV metals and Class III/IV fine material. The opportunity for recycling and diverting the latter three categories of material from the Class III/IV landfill is the result of the county's investment in a shear and a shredder. Recycling programs for these materials are scheduled to commence in fiscal year 1999-2000.

## **2. Recycling Drop-off Facilities**

The county maintains 14 recyclables drop-off points across the county. These sites are available to all residents of the region. A map showing the location of these points is included as Figure I-3 and a list of these facilities is included in Appendix III.



## CHAPTER 6: Disposal

### 1. Landfill Facilities, Transfer Stations, MSW Incinerators, Landfill Gas Facilities And Waste To Energy Facilities:

#### LANDFILL

**Facility name and classification:** Williamson County Class III/IV Landfill  
**Facility owner:** Williamson County  
**Type of Operation:** Publicly Operated Class III/IV landfill  
**Contact/operator:** Lewis Bumpus  
**Address/location:** 5750 Pinewood Rd., Franklin, TN

**Phone:** (615) 790-0742  
**Types of materials received:** Class III/IV construction/demolition debris, yard waste, brush and clean wood waste.

**Jurisdictions served:** All of Williamson County  
**Tipping fee per ton:** \$6.50 per cubic yard Class III/IV waste  
\$2.00 per cubic yard separated clean wood waste  
**Energy production:** No.

**Transfer:** No  
**Permit No.:** DML 941 020065

**Notes:** None

#### LANDFILL

**Facility name and classification:** Williamson County Class I Landfill  
**Facility owner:** Williamson County  
**Type of Operation:** Publicly owned Class I landfill  
**Contact/operator:** Lewis Bumpus  
**Address/location:** 5750 Pinewood Rd., Franklin, TN

**Phone:** (615) 790-0742  
**Types of materials received:** None  
**Jurisdictions served:** All of Williamson County  
**Tipping fee per ton:** N/A

**Energy production:** No  
**Transfer:** No  
**Permit No.:** SNL 941 020057  
**Notes:** (No longer accepting waste)

**TRANSFER STATION**

**Facility name and classification:** Williamson County Transfer Station  
**Facility owner:** Williamson County  
**Type of Operation:** Publicly owned transfer station for Class I landfill material  
**Contact/operator:** Lewis Bumpus  
**Address/location:** 5750 Pinewood Rd., Franklin, TN

**Phone:** (615) 790-0742  
**Types of materials received:** Class I MSW  
**Jurisdictions served:** All of Williamson County  
**Tipping fee per ton:** \$29.50 per ton

**Energy production:** No  
**Transfer:** From Williamson County to Benton County Tennessee  
**Permit No.:** Permit by rule (no mechanical compaction)  
**Notes:**

**2. Class I Waste Export And Import:****EXPORT:**

<b>LOCATION OF RECEIVING FACILITY</b>	<b>DESTINATION FACILITY AND FACILITY OWNER</b>	<b>Tonnage Disposed of in CY 1999</b>	<b>% OF TOTAL CLASS I DISPOSED</b>
Benton County	West Camden, Class I Landfill, Waste Management, Inc.	62,568.55	65.3
Marshall County	Cedar Ridge Class I Landfill, Waste Management, Inc.	19,021.17	19.9
Rutherford County	Middlepoint Landfill, BFI	14,123	14.8
<b>Total Tonnage</b>		<b>95,712.72</b>	<b>100.0</b>

Note: USA Waste and Waste Management, Inc. merged during the last calendar year, the percent of total class I waste disposed for Waste Management, Inc. represents the combined total of waste sent to USA Waste and Waste Management, Inc.

**IMPORT:**

<b>LOCATION OF ORIGIN</b>	<b>DESTINATION FACILITY AND FACILITY OWNER</b>	<b>% OF TOTAL CLASS I GENERATED</b>
NONE		

### **3. Disposal Needs Evaluation:**

Efficient disposal is assured at a reasonable price for the ten year planning horizon. The existing solid waste disposal contract is scheduled to be re-bid in a time frame that will allow services to continue without interruption. The existing solid waste program has the capacity to handle solid waste disposal needs through the ten-year planning period with allowances for growth and increased disposal demands. No changes to the programs are contemplated.

### **4. Facility Planned Capacity Assurance:**

The facilities being utilized for solid waste disposal by the region all have planned disposal capacity in excess of ten years

### **5. For Landfills and Incinerators, Are Financial Activities ACCOUNTED FOR IN AN ENTERPRISE FUND?**

Yes, financial activities are accounted for in an enterprise fund.



## **CHAPTER 7: Problem wastes**

### **1. State Household Hazardous Waste Mobile Collection Service:**

Yes, the county has taken advantage of the State's household hazardous waste mobile collection service. The county routinely holds at least one household hazardous waste event each year. These events are well attended and have some of the highest participation rates in the state.

### **2. Permanent Household Hazardous Waste Collection Center:**

No, the region does not have a permanent household hazardous waste collection center.

### **3. Level Of Success With Household Hazardous Waste Collection And Future Plans:**

The last event was held on May 6, 2000 at the Williamson County Materials Recovery Facility. Information on the number of participants and amounts of materials collected were not available at the drafting of this narrative but estimates are that it was at least as well attended as the last event. The previous event was held in May of 1999 and diverted approximately 26.05 tons of household hazardous waste materials from Class I landfills. The household hazardous waste collection event held in May 1999 had the highest participation rate recorded in the state with 2.49% of household in the region participating.

### **4. Waste Tire Collection Mandates:**

The county currently accepts used tires at the Williamson County Class III/IV Landfill located on Pine Wood Road. Tires are stored at this facility prior to transport and marketing by MACK Tires for use as a fuel alternative to coal.

### **5. Satisfaction With Waste Tire Collection Efforts:**

The county is satisfied with its waste tire management program. The county is currently contracting with a private contractor to recycle the tires and take advantage of the State's reimbursement plan. No changes are anticipated or needed with respect to the existing program.

### **6. Waste Tire Dumping:**

Illegal waste tire dumping is a minor problem within the region. Those dumps that are identified are few in numbers and minor in extent. The region does not conduct formal surveys of these dumps, however, upon finding a tire dump or having one reported, the Sheriff's Department and the Williamson County Solid Waste Department Litter Crew work together to address the problem. The typical response time for cleaning up a tire dump is less than 48 hours. If at some time in the future there is a noticeable increase, the region may devise a system for accounting for these sites.

## **7. Oil And Auto Fluid Collection Mandates:**

Used automotive fluid is collected at each of the county's convenience centers. Other automotive fluids, due to the small volume collected, are blended with the used oil. This oil is then recycled or used in the Williamson County oil burning heater at the Williamson County Landfill. A list of publicly operated drop-off points in the region which accept used oil and automotive fluids for recycling is included as Appendix III.

## **8. Lead Acid Battery Collection Mandates:**

Lead acid batteries are collected at the Williamson County landfill for recycling. Lead acid batteries are also accepted at the county's convenience centers but are transferred to the landfill for short term storage until they are transferred to a battery recycler. A list of publicly operated drop-off points which accept lead acid batteries for recycling is included as Appendix III.

## **CHAPTER 8: Solid Waste Education**

### **1. Efforts In Public Education Regarding Solid Waste Matters:**

Name: Carolyn Gallagher, Recycling Coordinator

Organization/Sponsor: Williamson Recycles

Phone: (615) 790-5848

Address: 420 Century Ct., Franklin, TN 37064

Target participants: Youth, adult, Commercial and Industrial sector

Description of activities: Promotes back yard composting, preparation of informational brochures, radio spots, Extension Service programs, team with schools on solid waste management programs for children.

Name: Carolyn Gallagher (contact)

Organization/sponsor: Local Scout organization

Phone number: (615) 790-5848

Address: 420 Century Ct., Franklin, TN 37064

Target participants:

Description of activities:

Name: Sgt. Jim Piercey, Litter Officer

Organization/sponsor: Tennessee Highway Patrol

Phone number: (615) 741-3181, ext. 101

Address: Admin office of the TN Highway Patrol, Nashville

Target participants: Youth, adults

Description of activities: Litter education and enforcement

### **2. Public Solid Waste Education Needs**

It would be helpful if more information were disseminated regarding the more important issues of source reduction and conservation in addition to recycling. The clamor by the public for often costly recycling programs overshadows the importance of eliminating and/or reducing waste. Williamson County is well served by the existing solid waste education programs. The public is well informed by existing programs and no outstanding needs with respect to these programs has been identified. Williamson County's solid waste education programs have been in place since the early 1990's. The county has filed an education action plan and has reviewed the Pathways to Education Book.



## **CHAPTER 9: Flow Control and Permit Review**

### **1. Is The Flow Of Waste Controlled By The Region Or Jurisdictions:**

The region or any of the jurisdictions within the region is not currently exercising flow control.

### **2. Any Outstanding Issues Regarding Permit Review or Flow Control?**

There are no outstanding issues with respect to Permit Review or Flow Control.



## **CHAPTER 10: Five-Year Plan Update Review and Approval**

### **1. Description of public hearing held after the revised plan was completed:**

Public notice regarding preparation of the Five-year Update to the Region's ten year municipal solid waste plan and the associated public hearing on the plan was given in the May 12, 2000 Williamson County A.M. edition of the Tennessean. The public notice also identified locations open to the public where a copy of the revised plan could be reviewed. A copy of the public notice can be found in Appendix IV. The public hearing was held on May 31, 2000. No written or verbal comments were received on the plan. The public hearing was held in conjunction with the regional solid waste board meeting at which the plan was approved. A copy of the minutes of this regional solid waste board meeting is also included in Appendix IV.

### **2. Is local planning commission aware of the five-year update?**

A letter was sent to each municipality in the region to be forwarded to their planning commission notifying them of the preparation of the five-year update to the region's ten year municipal solid waste plan and extending the invitation to them to comment on the plan. A copy of these letters can be found in Appendix IV.

### **3. Copies of a resolution from every county in the region approving the five-year plan update:**

The five-year update to the region's municipal solid waste plan was reviewed and approved by the Williamson County Commission on June 12, 2000. A copy of the resolution passed by the Williamson County Commission approving the update is included in Appendix IV.



## **Appendix I**

### **List Of Regional Board Members**



**Williamson County Municipal Solid Waste Planning Region Board Members**

Member Name	County/ Municipality Representing	Mailing Address	Daytime Phone	Term of Office	
				Start	End
<i>Judy Hayes, Chairperson</i>	<i>Williamson Co.</i>	<i>1775 Pope's Chapel Rd., Franklin, TN 37064</i>	<i>(615) 794-5380</i>	<i>10/1998</i>	<i>10/2004</i>
<i>James Anglin</i>	<i>Williamson County</i>	<i>5774 Bending Chestnut Rd. Franklin, TN 37064</i>	<i>(615) 794-2778</i>	<i>10/1994</i>	<i>10/2000</i>
<i>Clyde Barnhill</i>	<i>City of Franklin</i>	<i>1407 Cannon St. Franklin, TN 37064</i>	<i>(615) 794-8334</i>	<i>10/1994</i>	<i>10/2000</i>
<i>Tom Murdic</i>	<i>Williamson County</i>	<i>1428 Mayberry Lane Franklin, TN 37064</i>	<i>(615) 794-6029</i>	<i>10/1994</i>	<i>10/2000</i>
<i>Steve Wberley</i>	<i>Williamson County</i>	<i>204 Brittan Court Brentwood, TN 37027-3425</i>	<i>(615) 790-2794</i>	<i>10/1994</i>	<i>10/2000</i>



## **Appendix II**

### **Region Formation Resolution**



WHEREAS, a report has been prepared and attached herein as specified in Section 18 of the Williamson County Private Acts, 1937, Chapter No. 373 as Amended, prescribing the acceptance of roads as County Roads; and

WHEREAS, it is the responsibility of the Williamson County Board of Commissioners, through its Highway Commission, to accept and maintain public roads for the general welfare:

NOW, THEREFORE, BE IT RESOLVED by the County Board of Commissioners that:

The following roads be accepted as part of the County Road System for maintenance by the Williamson County Highway Commission.

<u>Subdivision</u>	<u>Road(s)</u>	<u>Length</u>	<u>District</u>
Southern Woods, Section V	Sunnybrook Drive	.09 miles	Northeast
	North Woods Court	.08 miles	Northeast
	North Creekwood Drive	.14 miles	Northeast
	North Lake Drive	.11 miles	Northeast

FUNDS IN-LIEU-OF "E" MIX ARE NOT REQUIRED FOR ROADS IN THIS SECTION OF SOUTHERN WOODS SUBDIVISION. "E" MIX HAS ALREADY BEEN PLACED.

/s/ Newt McCord  
Commissioner

Passed by unanimous voice vote.

Commissioner Murdic moved to accept Resolution No. 10-92-7, seconded by Commissioner Webster:

RESOLUTION  
CREATING WILLIAMSON COUNTY'S  
MUNICIPAL SOLID WASTE PLANNING REGION

WHEREAS, the adoption of the Subtitle D landfill regulations by the United States Environmental Protection Agency and companion regulations adopted by the Tennessee Solid Waste Control Board will impact on both the cost and method of disposal of municipal solid waste; and

WHEREAS, at the urging and support of a coalition of local government, environmental, and industrial leaders, the 97th Tennessee General Assembly enacted T.C.A. 68-211-801 et seq., titled "Solid Waste Management Act of 1991"; and

WHEREAS, with the view that better planning for solid waste will help control the additional costs that will be imposed by the new landfill regulations, help protect the environment, provide an improved solid waste management system, better utilize our natural resources, and promote the education of the citizens of Tennessee in the areas of solid waste management, including the need for and desirability of reduction and minimization of solid waste, local governments in Tennessee supported and worked for the passage of this Act; and

WHEREAS, one of the stated public policies of this Act is to institute and maintain a comprehensive, integrated, statewide program for solid waste management; and

WHEREAS, as per T.C.A. 68-211-811, the nine (9) development districts in the State of Tennessee have completed a district needs assessment which are inventories of the solid waste systems of Tennessee; and

WHEREAS, Williamson County's Board of Commissioners has given consideration to the needs assessment prepared by the Greater Nashville Regional Council (GNRC) development district; and

WHEREAS, T.C.A. 68-211-813 requires that counties in the State of Tennessee form municipal solid waste regions no later than December 12, 1992; and

WHEREAS, the Act's stated preference is the formation of multi-county regions with counties having the option of forming single or multi-county municipal solid waste regions; and

WHEREAS, the State of Tennessee will provide grant monies of varying amounts to single county, two county and three or more county municipal solid waste regions to assist these regions on developing their municipal solid waste region plans; and

WHEREAS, the primary and prevailing purpose of the municipal solid waste regions is the preparation of municipal solid waste regional plans which, among other requirements, must identify how each region will reduce its solid waste disposal per capita by

twenty-five percent (25%) by December 31, 1995, and a planned capacity assurance of its disposal needs for a ten (10) year period; and

WHEREAS, the development of a municipal solid waste regional plan that results in the most cost effective and efficient management of municipal solid waste is in the best interest of the citizens of Williamson County;

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners of Williamson County, Tennessee, acting pursuant to T.C.A. 68-211-801, et seq., that there is hereby established a Municipal Solid Waste Region for and by Williamson County, Tennessee; and

BE IT FURTHER RESOLVED that, pursuant to T.C.A. 68-211-813(a) (2) et seq., the Board of County Commissioners of Williamson County, Tennessee, finds and determines that Williamson County shall be and shall constitute a single county Municipal Solid Waste Region to comply with T.C.A. 68-211-861 and 68-211-815(b) (6); and

BE IT FURTHER RESOLVED that, pursuant to T.C.A. 68-211-813(b) (1), a Municipal Solid Waste Region Board is hereby established to administer the activities of this Region; and

BE IT FURTHER RESOLVED that this Municipal Solid Waste Region Board shall be composed of five (5) members; and

BE IT FURTHER RESOLVED that, pursuant to T.C.A. 68-211-813(b) (1), four (4) members shall be appointed by the County Executive and approved by this Board of Commissioners and, due to the fact that the City of Franklin collects or provides disposal services through its own initiative or by contract, the City of Franklin shall have a board member appointed by the Mayor of Franklin and approved by the City of Franklin's Board of Aldermen; and

BE IT FURTHER RESOLVED that members of the Board of the Municipal Solid Waste Region shall serve a six (6) year term except that one member appointed by the County Executive shall have a two (2) year term, that two (2) members appointed by the County Executive shall have a four (4) year term, that one member appointed

by the County Executive shall a six (6) year term, that one member appointed by the Mayor of Franklin shall have a \_\_\_\_ ( ) year term; and

BE IT FURTHER RESOLVED that this Municipal Solid Waste Region Board shall have all powers and duties as granted it by T.C.A. 68-211-813 et seq., and in addition, in the performance of its duty to produce a municipal solid waste region plan, it shall be empowered to utilize existing Williamson County governmental personnel, to employ or to contract with persons, private consulting firms, and/or governmental, quasi-governmental, and public entities and agencies and to utilize Williamson County's services, facilities and records in completing this task; and

BE IT FURTHER RESOLVED that, at the Municipal Solid Waste Region Board's initial organization meeting, it shall select from its members a chair, a vice-chair and secretary and shall cause the establishment of a municipal solid waste advisory committee whose membership shall be chosen by the Board and whose duties are to assist and advise the Board; and

BE IT FURTHER RESOLVED that the Municipal Solid Waste Region Board, in furtherance of its duty to produce a municipal solid waste region plan, is authorized to apply for and receive funds from the State of Tennessee, the federal government, Williamson County, the City of Franklin, and donations and grants from private corporations and foundations; and

BE IT FURTHER RESOLVED that Williamson County shall receive, disburse and act as the fiscal agent for the administration of the funds of the Municipal Solid Waste Region and the Region's Board; and

BE IT FURTHER RESOLVED that, upon the passage of this Resolution and at no later date than December 31, 1992, the County Clerk of Williamson County shall transmit a copy of this Resolution to the Tennessee State Planning office;

October 12, 1992

RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF WILLIAMSON COUNTY, TENNESSEE, this the 12th day of October, 1992, the welfare of the citizens of Williamson County requiring it.

/s/ Thomas E. Murdic  
Commissioner

Property & Sanitation Committee For 6 Against 0

Passed by recorded vote, Commissioners Lynch, Moran, Morrow and Hancock out.

Commissioner Murdic moved to accept Resolution No. 10-92-8, seconded by Commissioner Anderson:

RESOLUTION  
APPOINTING MEMBERS TO THE WILLIAMSON COUNTY  
MUNICIPAL SOLID WASTE REGIONAL BOARD

WHEREAS, T.C.A. 68-211-813(b)(1) provides for the appointment of a Municipal Solid Waste Regional Board and establishes their terms of office; and

WHEREAS, four (4) members of this Board are to be appointed by the County Executive and approved by the Board of County Commissioners;

NOW, THEREFORE, BE IT RESOLVED that the following members of the Williamson County Municipal Solid Waste Regional Board are hereby appointed by Williamson County:

- 1) Judy Hayes 6 years
- 2) Steve Wherley 4 years
- 3) Daryl Demonbreun 4 years
- 4) Tom Murdic 2 years

AND, BE IT FURTHER RESOLVED that these appointments are hereby made and shall be in accordance with the provisions of T.C.A. 68-211-801, et seq., the "Solid Waste Management Act of 1991".

/s/ Thomas E. Murdic  
Commissioner

Property & Sanitation Committee For 6 Against 0

Passed by unanimous voice vote.



## **Appendix III**

### **Publicly Operated Recycling Drop-off and Problem Waste Collection Points For The Williamson County Municipal Solid Waste Planning Region**



List of Williamson County Convenience Centers and Drop-off Recycling Locations

Name	Location/ Telephone/ I.D. No.	Hours	Solid Waste Collection	Recyclables Collection	Problem Waste Collection	Material Collected
Bethesda	4950 Bethesda Rd. Thompson Station, TN 37179 (615) 790-9642 CCC 94 102 0301	7:00am-5:00 pm M-F 7:00am-6:00 pm Sat. and Sun.	X	X	X	Residential Municipal Solid Waste, Wood-waste, Mixed Metal, Plastic, Newspaper, Cardboard, Glass (Green, Clear, Brown), Aluminum, Tin/Steel, Mixed Paper, Oil, Transmission Oil and other automotive fluids <sup>a</sup> , batteries <sup>b</sup>
College Grove	6520 Arno-College Grove Rd. College Grove, TN 37046 (615) 368-7181 CCC 94 102 0295	7:00am-5:00 pm M-F 7:00am-6:00 pm Sat. and Sun.	X	X	X	Same as above
Fairview	1928 Fairview Blvd. W Fairview, TN 37062 (615) 799-8311 CCC94 102 0296	7:00am-5:00 pm M-F 7:00am-6:00 pm Sat. and Sun.	X	X	X	Same as above.
Grassland	2229 Hillsboro Rd. Franklin, TN 37069 (615) 790-0741 CCC 94 102 0436	7:00am-5:00 pm M-F 7:00am-6:00 pm Sat. and Sun.	X	X	X	Same as above

<sup>a</sup> Due to the small volume received, transmission fluid and other automotive fluids are blended with the used oil collected at the convenience centers for burning in the county's used oil burner.

<sup>b</sup> While residents of the county are allowed to drop batteries off at the convenience centers, the batteries collected are transferred to the Williamson County landfill for storage. Stored batteries are then typically marketed to Metallico and the recycled tonnage is aggregated with other batteries received from Williamson County and reported in Metallico's numbers.

List of Williamson County Convenience Centers and Drop-off Recycling Locations, cont...

Name	Location/ No.	Telephone/ I.D.	Hours	Solid Waste Collection	Recyclables Collection	Problem Waste Collection	Recyclables Material Collected
Leiper's Fork	5406 Pinewood Rd. Franklin, TN 37064 (615) 790-9556 CCC 94 102 0300		7:00am-5:00 pm M-F 7:00am-6:00 pm Sat. and Sun.	X	X	X	Same as above
Nolensville	1525 Sunset Rd. Nolensville, TN 37135 (615) 776-2717 CCC 94 102 0299		7:00am-5:00 pm M-F 7:00am-6:00 pm Sat. and Sun.	X	X	X	Same as above
Southall	1140 Mile End Rd. Franklin, TN 37064 (615) 794-0183 CCC 94 102 0420		7:00am-5:00 pm M-F 7:00am-6:00 pm Sat. and Sun.	X	X	X	Same as above
Thompson Station	1515B Thompson Station Rd. Thompson Station, TN (615) 790-9642 CCC 94 102 0298		7:00am-5:00pm M-F 7:00am-6:00pm Sat. and Sun.	X	X	X	Same as above
Trinity	3008 Wilson Pk. Franklin, TN 37069 (615) 793-3904 CCC 94 102 0297		7:00am-5:00 pm M-F 7:00am-6:00 pm Sat. and Sun.	X	X	X	Same as above
Williamson County Landfill	5750 Pinewood Rd. Franklin, TN 37064 (615) 790-0742		7:00am-5:00 pm M-F 7:00am-6:00 pm Sat. and Sun.	X	X	X	Same as above

List of Williamson County Convenience Centers and Drop-off Recycling Locations, cont...

<b>Name</b>	<b>Location/ No.</b>	<b>Telephone/ I.D.</b>	<b>Hours</b>	<b>Solid Waste Collection</b>	<b>Recyclables Collection</b>	<b>Problem Waste Collection</b>	<b>Recyclables Material Collected</b>
Recycling Buy-back Center	420 Century Ct. Franklin, TN 37064 (615) 791-1502		8:00 am - 4:00 pm, Monday - Friday		X		Plastic, Newspaper, Cardboard, Glass (Green, Clear, Brown), Aluminum, Tin/Steel, Mixed Paper
Wilson Pk.	1301 Wilson Pk. Brentwood, TN 37027		24-hr		X		Same as above
Brentwood Kroger	330 Franklin Rd. Brentwood, TN 37027		24-hr		X		Same as above
Independence Square Kroger	301 Independence Square Franklin, TN 37064		24-hr		X		Same as above



## **Appendix IV**

### **Documentation Regarding Public Notice, Public Hearing and Plan Approval Including:**

- **Public Notice Regarding Plan Preparation and Associated Public Hearing;**
- **Williamson County MSW Planning Region Board Meeting Minutes Regarding Public Hearing and Plan Approval;**
- **Notification Letters to Planning Commissions; and**
- **Williamson County Commission Resolution Regarding Municipal Solid Waste Plan Approval**



TY NEWS

# CommunityForum

Opinions and views of our readers

## Its want board members out the children first

for Nancy Muller's our school board's trics. Let this be the m them.

sterile, inaccurate out Terry Grier — is, OK? Leslie Pip- rt of the word you fail to under- have a last hurrah keable Susan Lyke, hools zealots, the as and the middle- nothing board

with children in a "children first

and politicians' egos last" policy. The perfidious, querulous and generally illiterate board corre- spondence with the public guaran- tees that we will proclaim a big, generous "NO" to anyone running for re-election.

Concerned parents will simply look for the incumbent member of the school board and vote for someone else. Personally, I would vote for Homer Simpson, if he were on the ballot, before anyone presently on the board.

Got the message, school board?

Dave Mann  
615 Davis Drive  
Brentwood 37027

### n Baugh

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A.R. Siegel Co.,  
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for Liberty Mutual Insurance Co., died Thursday.

Born in Flickman County, Tenn., Hensley served in World War II, beginning in the 2nd Rainbow Division then serving in the 79th Infantry Division as a military police- man.

He was a member of Blake- more United Methodist Church.

He was preceded in death by his parents, Carl and Lula Hensley.

Survivors include his wife, Mae Carter Hensley; son, Joseph Terry Hensley, Brent- wood; and sister, Lourene McMurray, Monroe, Mich.

Funeral services will be at 2 p.m. Saturday in Blakemore United Methodist Church with the Rev. Michael Williams and J. Thomas Laney officiating.

Interment will follow in Woodlawn Memorial Park with Mike Eatherley, Ron Overfield, Bill Sneed, Ron Roop, Cavit Cheshier, Jere C. and William Gary Manning and Joe Alan Carter serving as active pallbearers.

Honorary pallbearers will be Blakemore United Methodist Church ushers, John G. Thompson Jr., Tommy Echols, Jerry Humpreys, Charles Hampton White, David L. Bone and Jack Cary.

Visitation with the family will be from 2-4 p.m. and 6-9 p.m. today in Brentwood Funeral Home, 9010 Church St. E. and noon until services Saturday in the church.

Memorial contributions may be made to Blakemore United Methodist Church or West End United Methodist Church.

www.tennessean.com THE TENNESSEAN Friday, May 12, 2000 19W

# First China Restaurant

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Dinner Buffet Friday & Saturday

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Dine in or carryout  
Expires 8/30/00.

1010 Murfreesboro Rd.  
Hwy. 96, The Maples Shopping Center  
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# PUBLIC NOTICE

The Williamson County Municipal Solid Waste Regional Planning Board has completed a draft of the Five-Year Update to the region's Ten-Year Plan. This Plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991.

A public hearing date is set for 5 p.m., May 31, 2000, in the Administrative Complex Conference Room, 1320 W. Main Street, Franklin, to receive comments on the draft of this Plan.

A copy of the draft of this Plan is available for review at the following locations:

- Williamson County Public Library:  
Main Library, 611 West Main St., Franklin  
Bethesda Branch, 4905 Bethesda Rd., Thompson Station  
Fairview Branch, 710 Fairview Blvd., W., Fairview  
Leiper's Fork Branch, 5333 Old Highway 86, Leiper's Fork  
Nolensville Branch, 915 Oldham Dr., Nolensville

Written comments regarding the plan will also be accepted until noon, May 31, 2000, and should be sent to: Lewis Bumpus, 5750 Pinewood Rd., Franklin, TN 37064.

# OPEN HOUSE

Sun. May 21st  
2-5 pm

# MEMBERSHIPS AVAILABLE

10 Laykold Surface  
Tennis Courts (7 lights)



## MINUTES OF THE MUNICIPAL SOLID WASTE BOARD MEETING - May 31, 2000

The Municipal Solid Waste Board met Wednesday, May 31, 2000, at 5:00 p.m., in the Conference Room of the Administrative Complex. Board members present were Chairperson Judy Hayes, James Anglin, and Tom Murdic. Board members Steve Wherley and Clyde Barnhill were unable to attend.

Also present were: Lewis Bumpus, Solid Waste Director; Carolyn Gallagher, Recycling Coordinator; Phil Armor, G.N.R.C. Regional Director; and Geneil Dillehay, Dillehay and Associates.

Chairperson Hayes called the meeting to order.

Mr. Bumpus presented the Municipal Solid Waste Regional Plan Five-Year Update. He explained to the Board that the Plan gives a ten year history showing existing programs, as well as, the ten year projections for future programs. Mr. Bumpus referenced the Program Implementation Schedule (page 18, figure I-4), briefly explaining the following items:

- Re-bid waste transfer to Camden, TN
- Construction of aerobic bioreactor, which is already in operation
- Construct convenience center at Landfill
- Re-bid MRF Operating Contract, on a 1 year basis
- Initiate carpet and padding recycling program
- Clean wood-waste recycling program to turn into mulch
- Expand waste reduction pilot programs
- Possible ban on cardboard in Landfill

At this time, Mr. Bumpus gave the Board a chart showing the remaining life estimate for the class III/IV site. At the past rate, the site only has approximately 20 months left, but with better compaction it can be expanded from 20 months to 2.1 years. Also, with the implementation of the projected new recycling programs, the remaining life estimated can be expanded from 2.1 years to 3.5 years.

Mr. Bumpus noted that the Solid Waste Education is already initiated with the Keep Williamson Beautiful program, in affiliation with Keep America Beautiful.

In reference to the Solid Waste Funding, Mr. Bumpus informed the Board that local government has subsidized so much of solid waste costs, that the public is not aware of the true costs of solid waste. There is no benefit to the individual to encourage recycling. He suggested a user fee be considered, which takes all tax monies from Solid Waste, making it an enterprise fund. Mr. Bumpus proposed user fees be implemented in 2003. He projects residents paying a user fee for approximately seven (7) years, then going to a "pay-as-you-throw" program. Businesses will go directly onto a "pay-as-you-throw" program.

Mr. Bumpus explained that he used the growth factor, plus any major capital outlay projects considered (i.e., convenience center upgrades) to arrive at the projected budget for ten years.

Mrs. Hayes questioned what percentage will go to a landfill in another county if they are required to pay to throw here. Mr. Bumpus stated that he does not feel that will be a problem since the rate structure will be very accommodating.

Mr. Murdic asked if the user fee will be a flat rate, or how it will be applied. Mr. Bumpus replied that it will be a flat rate user fee, but it will be unpopular because most will view it as a tax and not as a legal user fee.

**Municipal Solid Waste Board Meeting Minutes**  
**May 31, 2000 - Page Two**

Mrs. Hayes suggested preliminary studies on user fees and pay-to-throw programs before any considerations are given, and questioned an increase in the amount of roadside litter after implementing user fees. Mr. Bumpus stated that studies show that roadside litter actually decreased after user fees are implemented. Mrs. Hayes requested a synopsis of how the user fee programs work, and Mr. Bumpus stated he intends to have other counties, who have already implemented user fees, to assist in educational meetings to answer and address any questions and concerns.

Mr. Murdic asked what an approximate figure might be for a user fee, and Mr. Bumpus offered an approximate amount of \$4.00 per month for households that use convenience centers. This is based on a county, similar in size, who has adopted a user fee program, and are planning to reduce their \$5.00 user fee.

Ms. Gallagher inquired as to whether it would be easier to raise property taxes, and Mr. Bumpus stated that an increase in property taxes does not provide an incentive to recycle. He feels there will never be a true reduction as long as solid waste is being subsidized.

Mr. Murdic asked how a situation will be handled when an individual is paying a fee for a subscription service, but needs to use a convenience center on occasion. Mr. Bumpus pointed out that an allowance will be built into the system to accommodate spring and fall clean-ups.

Mrs. Hayes suggested to also consider some type of reduction in the rate structure for senior citizens. Mr. Bumpus noted that the proposed rate structure contains an allowance for the elderly and/or low income of approximately 50% less.

At this time, Mr. Bumpus requested a clarification on the rates voted on at the last Solid Waste Board meeting. He would like the rates to be as follows:

- \$ 2.00 / cubic yard for clean wood waste - dry and/or green (separated)
- \$ 3.25 / cubic yard if the waste is pre-processed and can be utilized in the recycling program (This is for the ADC recycling, which does not allow for large amounts of wood waste, and would prohibit the product from meeting the ADC recycling standards.)

Mrs. Hayes moved, seconded by Mr. Murdic, to accept the rates as clarified. The motion passed by unanimous voice vote, 3 - 0.

After further discussion, Mr. Murdic moved that Williamson County be the fiscal agent for the Solid Waste Advisory Board. Mr. Anglin seconded the motion, which passed by unanimous voice vote, 3 - 0.

Mr. Murdic moved, seconded by Mr. Anglin, to approve the Municipal Solid Waste Regional Plan Five-Year Update, with the corrections as stated. The motion passed by unanimous voice vote, 3 - 0.

At this time, Mrs. Hayes announced the Public Hearing officially open. There was no one present from the public to comment. Mr. Anglin moved, seconded by Mr. Murdic, to close the Public Hearing. The motion passed by unanimous voice vote, 3 - 0.

Ms. Gallagher updated the Board on the Keep Williamson Beautiful meeting to begin the certification process with the Keep America Beautiful representatives. She also informed them of the upcoming composter sale and classes.

There being no further business, the meeting adjourned at approximately 6:10 p.m.



## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

City of Fairview  
P.O. Box 69  
Fairview, TN 37062

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board



## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

City of Franklin  
P.O. Box 305  
Franklin, TN 37065

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board





## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

Williamson County Planning Commission  
1320 W. Main Street  
Franklin, TN 37064

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board



## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

City of Nolensville  
P.O. Box 547  
Nolensville, TN 37135

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board

Waste Reduction . . . Reuse . . . Recycle 

Printed on recycled paper



## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

City of Spring Hill  
P.O. Box 57  
Spring Hill, TN 37174

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board

Waste Reduction . . . Reuse . . . Recycle



Printed on recycled paper



## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

City of Thompson's Station  
P.O. Box 100  
Thompson's Station, TN 37179

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board

Waste Reduction . . . Reuse . . . Recycle



Printed on recycled paper



## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

City of Brentwood  
P.O. Box 788  
Brentwood, TN 37024

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board

Waste Reduction . . . Reuse . . . Recycle 

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**Williamson County Public Library**

**Main Library  
611 West Main Street  
Franklin, TN**

**Bethesda Branch  
4905 Bethesda Road  
Thompson Station, TN**

**Fairview Branch  
710 Fairview Blvd West  
Fairview, TN**

**Leiper's Fork Branch  
5333 Old Highway 96  
Leiper's Fork, TN**

**Nolensville Branch  
915 Oldham Drive  
Nolensville, TN**

**LATE FILED**

**Resolution No.** 6-00-34

**RESOLUTION APPROVING A FIVE YEAR UPDATE TO THE  
TEN YEAR SOLID WASTE PLAN FOR WILLIAMSON COUNTY**

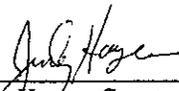
**WHEREAS,** in accordance with the Solid Waste Act of 1991, Williamson County is required to provide a Ten Year Solid Waste Plan outlining the local provisions for disposing of solid waste; and,

**WHEREAS,** the Williamson County Municipal Solid Waste Board was established by the Williamson County Board of Commissioners to develop a Ten Year Solid Waste Regional Plan; and,

**WHEREAS,** said plan was adopted by the Municipal Solid Waste Board and by the Board of Commissioners in July, 1994; and,

**WHEREAS,** the Solid Waste Act of 1991 also requires that a five year update be provided to the aforementioned plan, a copy of which has been provided to and approved by the Municipal Solid Waste Board, a copy provided for each County Commissioner, and a copy of which is on file in the County Clerk's Office;

**NOW, THEREFORE, BE IT RESOLVED,** by the Board of Commissioners, meeting in regular session this the 12<sup>th</sup> day of June, 2000, that the Five Year Update to the Ten Year Municipal Solid Waste Plan is adopted.

  
\_\_\_\_\_  
Judy Hayes - County Commissioner

**COMMITTEES REFERRED TO & ACTION TAKEN:**

Municipal Solid Waste Board For 5 Against 0  
For \_\_\_\_\_ Against \_\_\_\_\_  
Commission Action Taken: For 22 Against 0 Pass 0 Out 0

\_\_\_\_\_  
Elaine Anderson County Clerk

\_\_\_\_\_  
Rogers C. Anderson - Commission Chairman

\_\_\_\_\_  
Clint Callicott, County Executive

\_\_\_\_\_  
Date

(SWastePlanUpdate-5Yr)



STATE OF TENNESSEE  
**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**

Division of Community Assistance  
401 Church Street, 8<sup>th</sup> Floor  
Nashville, TN 37243-1533

May 18, 2000

Ms. Judy Hayes, Chairperson  
Williamson Co. Municipal SW Planning Region 94  
1775 Pope's Chapel Road  
Thompson Station, TN 37179

RE: Five-year Update to Ten-year Solid Waste Plan  
Williamson Co. Municipal SW Planning Region

Dear Ms. Hayes:

Thank you for your timely submission of the Williamson Co. Municipal SW Planning Region Region Update Plan. We received your plan on 4/5/2000. Division staff will complete the review within the next 90 days as required by The Solid Waste Act of 1991.

If you need additional information or have further questions, please contact Karen Grubbs at 615-532-0463.

Sincerely,

A handwritten signature in cursive script that reads "Ron Graham".

Ron Graham  
Director

RG:klg

C: The Honorable Clint Callicott, Williamson County Executive  
Mr. Lewis Bumpus, Williamson County Solid Waste Director  
Mr. Phil Armor, (SWM), Greater Nashville Regional Council  
Mr. Mike Stooksberry, SW Management Consultant, CTAS  
Mr. Chuck Head, Manager, Nashville Environment Assistance Center



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rec'd 4/5/00  
KLG

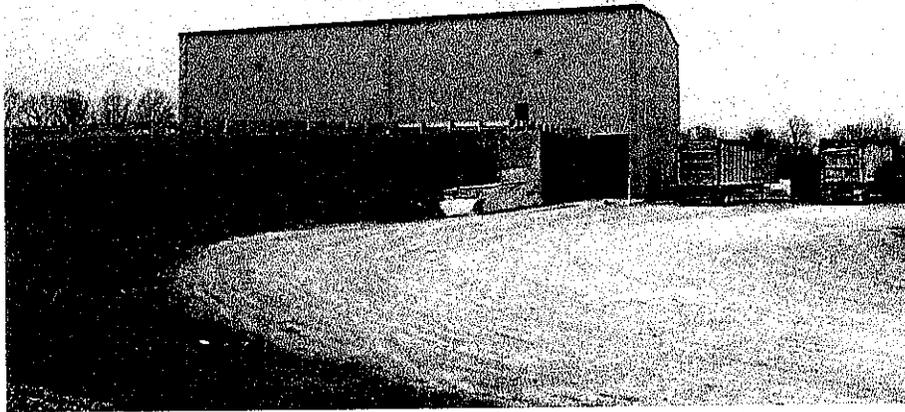


Draft

# MUNICIPAL SOLID WASTE REGIONAL PLAN

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FIVE-YEAR UPDATE



## WILLIAMSON COUNTY SOLID WASTE PLANNING REGION

March 15, 2000

Prepared by

Dillehay and Associates  
88 Difficult Rd.  
Carthage, TN 37070  
(615) 774-3633



## INTRODUCTION

In response to the Solid Waste Management Act of 1991 local governments were required to form solid waste planning regions for the purpose of preparing comprehensive ten year plans for the management of solid waste generated within their region. The minimum size of a solid waste planning region is limited to a single county. In the case where city or town limits cross county lines, the city can choose the county it wishes to plan with from those in which it is located. Upon the formation of a solid waste planning region the act required the establishment of a regional solid waste planning board. The act established the role and responsibilities of these boards. The primary responsibility given to these boards is that of long range planning for solid waste management within the region. The board's members were charged with looking into the future and making comprehensive, integrated solid waste management plans. The object of these plans was to provide the region's legislative bodies with the information necessary to make informed decisions assuring that safe, practical and economical solid waste management was available to all citizens within the region.

Williamson County formed a single county solid waste planning region in October of 1992 by resolution of the county's legislative body. Then, according to the mandates of the Solid Waste Management Act of 1991, the municipalities in the region appointed a regional board. This board completed the preparation of the region's ten year solid waste plan. This plan was submitted and approved by the State of Tennessee on March 25, 1995.

In addition to preparation of the regions ten year solid waste management plan, further provisions of the Solid Waste Management Act of 1991 require that solid waste planning regions 1) submit annual progress reports on the implementation of the region's ten year solid waste plan, and 2) prepare five-year updates to the original plan. The purpose of the five-year update is to summarize achievements of the region during the past five year period and then for the next ten year planning horizon to identify any new needs of the region regarding compliance with state mandates. Once needs are identified the regional board should devise an implementation schedule for implementation of new programs to meet these needs; forecast a proposed ten year budget for implementing these programs; and identify revenue sources for funding the proposed budget.

This document has been prepared in compliance with the state's requirements for the five-year update to the Region's original solid waste plan. It is hoped that the information contained in this plan will identify a course for and assist the region's decision-makers in coping with solid waste management issues for the next ten year planning period.



## CHAPTER 1: Summary

Williamson County is a considerable influence in Middle Tennessee with respect to development, growth management, commerce and culture. Additionally, it is one of the fastest growing areas in the state. Much of this growth can be attributed to the areas proximity to one of the state's major population centers, however the county's growth can also be attributed to the high quality of life experienced by its residents.

One human health and environmental need which significantly affects the perceived quality of life associated with any community is adequate solid waste management. Williamson County and the cities within have a history of proactively managing their solid waste.

In October of 1992 the Williamson County Commission passed a resolution creating the Williamson County Solid Waste Planning Region. A list of the political entities included in the Williamson County Solid Waste Planning Region with their approximate current population is as follows:

Table I-1 Political Entities Included In The Williamson County Solid Waste Planning Region

CITY/TOWN	POPULATION
FRANKLIN	42,300 <sup>a</sup>
BRENTWOOD	24,500 <sup>b</sup>
NOLENSVILLE	2,254 <sup>c</sup>
FAIRVIEW	5,000 <sup>d</sup>
THOMPSON STATION	1276 <sup>e</sup>
SPRING HILL	3682 <sup>e</sup>
WILLIAMSON COUNTY REMAINDER	38,557 <sup>f</sup>
<b>Total</b>	<b>117,569<sup>e</sup></b>

- a Based on December 31, 1999 estimate. Developed from special census taken in April 1999 and adjusted for dwelling units and occupancy rates.
- b Estimate based on last census data adjusted for dwelling units and occupancy rates.
- c Based on special census in March of 1999.
- d Estimate
- e Data procured from Williamson County Chamber of Commerce based on Estimate for 1998.
- f Estimated based on difference between total of city populations and county total population.

**Waste Management Strategy Identified in Original Ten Year Solid Waste Plan**

When Williamson County submitted the original Williamson County Region Municipal Solid Waste Ten Year Plan records indicated that in 1993 waste was managed according to the methodology summarized in Table I-2.

Table I-2 Williamson County Solid Waste Management Methodology For Calendar Year 1991

Waste Management Method	Tons Per Year	%
Reduced	Not quantifiable	Not quantifiable
Recycled	Not quantifiable	Not quantifiable
Composted/Mulched	Not quantifiable	Not quantifiable
Diverted (other than Class III/IV disposal)	Not quantifiable	Not quantifiable
Class III/IV Disposal	Not quantifiable	Not quantifiable
Class I Disposal	60,000	65.54
Unmanaged	31,542	34.46
<b>Total</b>	<b>91,542</b>	<b>100</b>

- Estimated by subtracting waste managed from potential waste generated in region. Potential waste generated in region based on state average per capita waste generation.

The region's goals for managing its waste in 2003 as set forth in the 1993 Regional Solid Waste Plan were as follows:

Recycling and Composting	25%
Diversion	8%
Class I Landfilling	67%

While these goals were highly ambitious for the time, today, Williamson County has surpassed these goals and continues to build a solid waste management program which is a model for much of the state.

**Current Waste Management Strategy**

Williamson County's Solid Waste Department is charged with the responsibility of assuring that adequate solid waste collection and disposal is available to all residents of the region. Additionally, the department is charged with the responsibility for seeing that the Williamson County Solid Waste Planning Region meets the state's 25% solid waste reduction goal. The department does this through an extensive network of convenience centers for solid waste and recyclables collection, a materials recovery facility (MRF), a composting program for clean woodwaste and yardwaste, a waste tire recycling program, an office paper collection and recycling program, an industrial and commercial waste reduction program and a Class III/IV landfill for diversion of construction/demolition

type material. Waste which cannot be eliminated from the waste stream through source reduction, re-use, recycling, composting or diversion is routed to the County's transfer station for transfer to contracted out-of-regions Class I landfills or is hauled directly to other out-of-region transfer stations and /or landfills.

A more detailed description of these programs is presented in the following paragraphs.

**Waste Stream Generation and Characteristics**

In 1993, when Williamson County was first called upon to collect the information necessary to develop a ten year comprehensive solid waste management plan, it was assumed that waste distribution according to source closely resembled that at the national level. This assumption was based on Williamson County's diversified economic and industrial base. Resources consulted regarding Williamson County's current waste distribution agree that waste generation according to source should still closely resemble that at the national level. Based on this assumption, Williamson County's current waste distribution according to source should fall into the following classifications at the percentages shown in Table I-3.

Table I-3 Typical Distribution Of Solid Waste According To Source Based On National Values

Waste Source	%
Residential	23
Commercial	29
Industrial	29
Institutional	19
Other	0
<b>Total</b>	<b>100</b>

**Collection**

In 1993 the Williamson County Solid Waste Planning Region established that 100% of the residents in the region had solid waste collection service available to them through city, county or private sector garbage collection programs. While these existing programs met and even exceeded the state's solid waste collection requirements, Williamson County and the cities within continued to enhance solid waste collection opportunities including upgrading the convenience center collection program which is available to all residents of the county. Currently, Williamson County operates 10 convenience centers in the county providing residential garbage and recyclables drop-off service to all residents of the county as well as the opportunity to drop-off used motor oil. Additionally, the cities of Franklin and Spring Hill provide their residents with house-to-house collection of garbage. A table listing the political entities within the Williamson

County Planning Region and the types of solid waste collection they provide follows as Table I-4.

Table I-4 Collection Services Available In The Region:

CITY/TOWN	Service Recipient	SERVICE PROVIDED	HOW FINANCED	ACCOUNTING
WILLIAMSON COUNTY	All residents of the County	Convenience Center Collection of residential garbage recyclables, demolition/ construction debris, and used oil. Private haulers operating throughout the county on an individual subscription basis.	Paid out of Special Revenue Fund	Standard Chart of Accounts for County Government
FRANKLIN	Residents of the City of Franklin	Once per week curbside collection by city employees and equipment.	Paid for through utility bill collection.	Special Revenue Fund
SPRING HILL	Residents of the City of Spring Hill	Contracted curbside collection once per week.	Paid for through utility bill collection.	Special Revenue Fund
BRENTWOOD	Residents of the City of Brentwood	Residential and commercial waste collection through individual subscription with various private waste hauling companies operating in city.	Individual subscription	Not Applicable
NOLENSVILLE	Residents of the Town of Nolensville	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city.	Individual subscription	Not Applicable
FAIRVIEW	Residents of the City of Fairview	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city.	Individual subscription	Not Applicable
THOMPSON STATION	Residents of the Town of Thompson Station	Residential and commercial waste collection through individual subscription with various private waste hauling companies operating in city.	Individual subscription	Not Applicable

### Waste Reduction, Recycling, Compost/Mulch and Diversion Programs

In 1993 Williamson County had recently opened its MRF and was just beginning its foray into waste reduction. Today, with the MRF still an integral component to the County's waste reduction efforts, Williamson County operates a wide range of waste reduction programs convenient to its residents as well as to its industrial and commercial community members. These waste reduction programs include source reduction, re-use, recycling, composting and diversion and are summarized in the following paragraphs.

Source Reduction- Williamson County's source reduction programs are being met with great success. The most recent initiative includes an industrial/commercial waste reduction pilot program. In this program members of the commercial/industrial sector are offered the opportunity for a free waste audit, then, once potential waste reduction/recycling opportunities are identified, are offered technical assistance, a waste avoidance analysis and

incentives in the implementation of programs to eliminate, reduce or recycle these waste streams. Initial success with this program includes the diversion of approximately \_\_\_\_\_ tons of cardboard per \_\_\_\_\_. The County also networks with existing groups such as the schools and master gardeners program and through county operated education program, Williamson Recycles, to provide information to citizens on source reduction efforts that can be made in the home.

Household Hazardous Waste Collection- Williamson County conducts two household hazardous waste collection events per year. These events have some of the highest participation rates in the state. During the last Household Hazardous Waste Collection Event held in Williamson County, the state recorded the highest participation rate ever in the state for this type of event. In 1999 approximately 26.05 tons of household hazardous waste was collected and diverted from disposal in Class I landfills. The county's household hazardous waste collection event conducted in May of 1999 had the highest participation rate on record in the state (2.49%).

Recycling- Williamson County offers a wide array of recycling programs. As with the county's source reduction programs, these programs have been developed for both Williamson County residents and the commercial/industrial sector. The main cog in the county's recycling efforts is the Williamson County MRF. The MRF provides the processing capability necessary for the convenience center drop-off recyclables collections, the schools office paper, cardboard and phone book recycling program and the commercial/industrial recycling program. In addition to MRF recycling, the county has in the last year initiated a carpet padding and carpet recycling program. Estimates are that this program is diverting approximately \_\_\_\_\_ tons per \_\_\_\_\_.

Compost/Mulch - Williamson County has with the close of 1999 has seen the successful implementation of its clean woodwaste compost and mulch program. The county is able to handle a broad spectrum of clean woodwaste with the equipment dedicated to this process and in calendar year 1999 diverted for beneficial use approximately 1446.27 tons of material which would have otherwise taken up approximately 6000 cubic yards of air space in the county's class III/IV landfill.

Waste Diversion- In addition to Williamson County's operation of a Class III/IV landfill, some private haulers collect Class III/IV waste which they haul directly to other Class III/IV landfills such as the Waste Management Class III/IV landfill in Davidson County or in Lewisburg, or the Wilson County Class III/IV landfill. Approximately 30,375.96 tons of Class III/IV waste was diverted in 1999 to Williamson County's Class III/IV landfill. Another 3,609.98 tons were diverted to other Class III/IV landfills for a total of 33,985.94 tons of material diverted to Class III/IV disposal in 1999. Furthermore, Williamson County diverted approximately 785.01 tons of shredded tires from Class III/IV disposal for use as a fuel replacement for coal at electric utility plants and at pulp mills.

A summary of these programs and the tonnage diverted by these programs in 1999 is summarized in tabular form as follows in Table I-4.

Table I-4 Waste Reduction Programs and Tonnage Reduced or Diverted in Calendar Year 1999

Activities For Calendar Year 1999	Tonnage
Source Reduction	
Instruction on Waste Reduction in the Home and Yard	Not Quantifiable
Commercial/Industrial Waste Audits and Technical Assistance on Waste Reduction	Not Quantifiable
Waste Diversion Incentives Program	Not Quantifiable
Industrial and Commercial Source Reduction	Not Quantifiable
Recycling	
Residential	
City of Franklin	89.32
Williamson County MRF Recycling:	10,823.27
Convenience Center Drop-off Recyclables Collection	
Individual Industry Recycling	
Commercial/Industrial Office Paper	
School paper/cardboard	
School phone book	
Batteries	1654
Clean Woodwaste Compost and Mulch Program	1446.27
Household Hazardous Waste Diversion	26.05
Tire Diversion for Energy Recovery	785.01
Class III/IV Waste Diversion From Class I Landfills	
Williamson County Class III/IV Landfill	30375.96
Cedar Ridge Class III/IV Landfill, Waste Management , Lewisburg	1905.15
Southern Sanitation Class III/IV Landfill, Waste Management , Davidson County	1704.83
<b>Total Tons Waste Reduced, Recycled or Diverted From Class I Landfill Disposal</b>	<b>48,809.86</b>

## Disposal

In 1993 Williamson County was still operating its own Class I landfill. Today, waste collected within the Williamson County Solid Waste Planning Region which is not reduced, recycled or diverted from Class I landfill disposal is ultimately transferred to Class I landfills out-of region. The majority of the Class I waste passes through the County's transfer station located at the Williamson County landfill site. The County's current contract for transportation and disposal of its Class I MSW is with Waste Management, Inc.. Waste collected at the Williamson County transfer station is transported by waste management to the Waste Management Class I landfill located in Camden, Tennessee. The remaining waste generated within the county is hauled by private haulers to either the Waste Management Transfer Station in Antioch or the AAA Transfer Station located in Nashville or hauled directly to Class I landfills located in Lewisburg or Murfreesboro. Waste generated and collected within the Region in 1999 for Class I disposal was directed to Class I waste disposal facilities as indicated in Table I-5.

Table I-5 Class I Landfills Utilized for Disposal of Class I Waste Generated Inside the Williamson County Municipal Solid Waste Planning Region

Facility	County	Tonnage
West Camden, Class I Landfill, Waste Management	Benton	62,568.55
Cedar Ridge Class I Landfill, Waste Management	Marshall	17,116.02
Middlepoint Landfill, BFI	Rutherford	14,123
<b>Total Tonnage</b>		<b>93,807.57</b>

A summary of the system wide management of waste generated in Williamson County is presented in Table I-7.



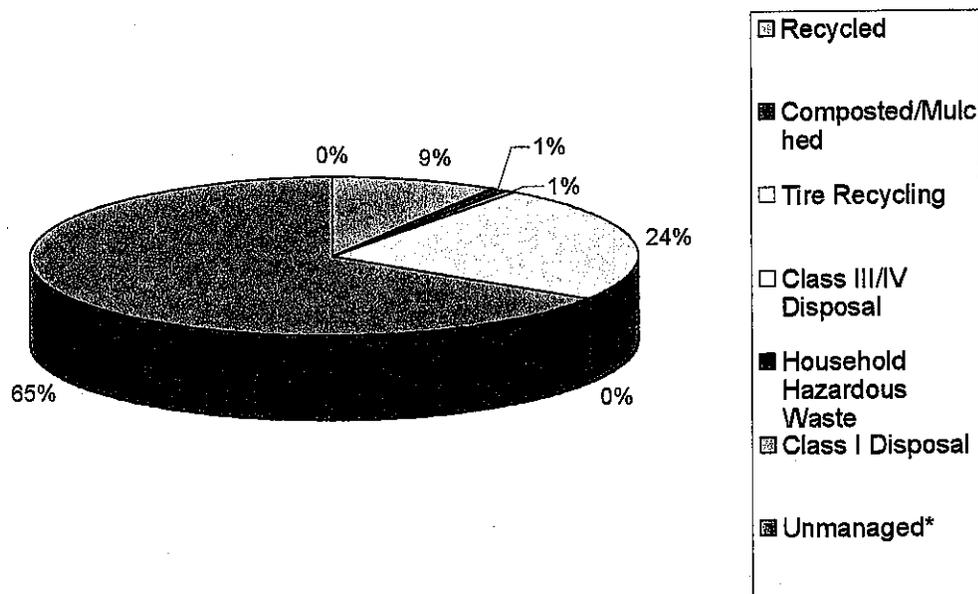
Table I-7 Williamson County Solid Waste Management Methodology For Calendar Year 1999

Waste Management Method	Tons Per Year	%
Reduced	Not Quantifiable	Not included in percentage calculations
Recycled	12,566.59	8.81
Composted/Mulched	1446.27	1.01
Tire Recycling	785.01	0.55
Class III/IV Disposal	33985.94	23.83
Household Hazardous Waste	26.05	0.02
Class I Disposal	93,807.57	65.78
Unmanaged*		
<b>Total</b>	<b>142,617.43</b>	<b>100</b>

- The amount of waste unmanaged is assumed to be insignificant. This assumption is based on the lack of complaints regarding illegal waste dumping and by the visual observations of employees of the Williamson County Solid Waste Department.

A pie chart representation of this information is as follows:

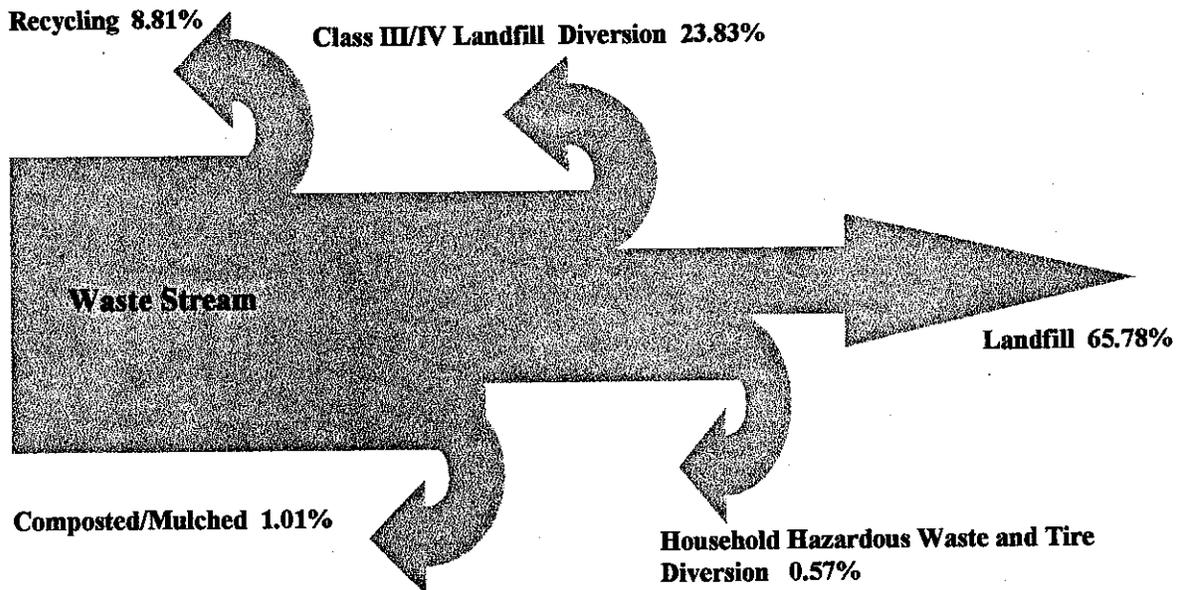
**Pie Chart Representation of Williamson County Waste Management Activities for Calendar Year 1999**





A flow diagram of this waste management methodology for calendar year 1999 is shown as Figure I-1.

**Figure I-1 Flow Diagram of Current Solid Waste Management Methodology For Williamson County Solid Waste Planning Region**



### **Problem Waste Collection**

In addition to the programs that Williamson County operates for waste reduction, recycling and diversion from Class I landfills, the county also has in place programs for the collection of problem waste such as used oil and batteries. In 1999 these programs collected approximately 15,243 gallons 116,152 pounds of used oil and 1654 pounds of batteries.

### **Solid Waste Education**

Williamson County has one of the most aggressive solid waste education programs in the state. The primary solid waste education program sponsored by the County is Williamson Recycles. This program is responsible for :

- ④ Regular weekly, thirty minute spots on the local radio station;
- ④ administering the local adopt-a-highway program;
- ④ preparation and materials for presentation and distribution at the Master Gardeners annual meeting;
- ④ semi-annual newsletters;
- ④ preparation of brochures for distribution on recycling, backyard composting, etc.;
- ④ organization, publication and conducting the trees to trails chipping program;
- ④ Publicizing the semi-annual household hazardous waste collection events.

In addition to Williamson recycles, the county is in the process of establishing a Keep America Beautiful Program.

Another agency within the County which has long played a role in educating Williamson County citizens about proper waste management is the Williamson County Sheriff's Department. The Sheriff's department has for years performed the valuable service of educating Williamson County residents about litter. The Sheriff's department has a litter officer which visits class rooms in Williamson County to present anti-litter messages; has exhibits at the County fair on this same topic and visits civic and social organizations to deliver its anti-litter message. In addition, the Sheriff's department is instrumental in enforcement of the county's tarp law.

Other agencies and organizations within the county that provide solid waste education are: Local Scout Troops; 4-H clubs; Master Gardeners Club; and CFA Clubs. A summary of all these organizations, their services and the age groups they serve are summarized in the following table.

---

Table I-4 List of Solid Waste Education Providers and Description of Programs

Agency	Activity	Youth	Adult	Commercial / Industrial Sector
<p>Williamson County                      Williamson County Waste Department/                      Williamson Recycles</p>	<p>Facilitate the establishment of a Williamson County Keep America Beautiful Program.                      Work with plant nurseries to promote sales of backyard composting including preparation of publications on how to backyard compost and on the advantages of "grass cycling".                      Preparation of informational brochures on proper solid waste management and recycling for distribution at convenience centers.                      Presentations at annual Master Gardeners Workshop on composting and other relevant solid waste management issues.                      Thirty minute presentation/participation on local weekly radio program for purpose of relevant topic of solid waste management and publicise upcoming events.                      Conduct programs for U.T. Agriculture Extension Service C.F.A. groups on relevant solid waste management issues.                      Distribution of coloring/activity books to children on appropriate solid waste management.                      Team with schools to make available presentations on appropriate solid waste management to every 4<sup>th</sup> grade class in Williamson County including home schoolers.</p>	✓	✓	✓
<p>Sheriff's Department</p>	<p>Presentations on litter abatement to children and civic groups.                      Enforcement of tarp and litter laws.</p>	✓	✓	

**Table I-4 List of Solid Waste Education Providers and Description of Programs, cont.**

<p>Williamson County Schools and City of Franklin Special School District</p>	<p>Team with County to make available presentations on appropriate solid waste management to every 4<sup>th</sup> grade class in Williamson County including home schoolers. Promote solid waste management and recycling education through paper, cardboard and phone book recycling collection.</p>	<p>✓</p>	
<p>Local Scouts</p>	<p>Development of special merit badge, "Tennessee Looks Good to Me", regarding litter abatement.</p>	<p>✓</p>	
<p>4-H Groups</p>	<p>Team with County to make available presentations on appropriate solid waste management to every 4<sup>th</sup> grade class in Williamson County including home schoolers.</p>	<p>✓</p>	
<p>Master Gardeners</p>	<p>Promotion of backyard composting and grass cycling to homeowners. Team with county on preparation of brochure on mowers which "grass cycle".</p>	<p>✓</p>	
<p>CFA</p>	<p>Schedule presentations to members on various solid waste management topics.</p>	<p>✓</p>	

## **Proposed Programs (To Be Developed)**

The Williamson County Solid Waste Planning Region has made considerable progress toward increasing source reduction, recycling, composting and waste diversion in managing its waste stream. Williamson County has increased waste reduction, diversion and recycling within the region from 0 % in 1991 to 34.22 % in 1999. No doubt source reduction efforts in addition to those sponsored by the county in the commercial and industrial sectors have increased as well but these efforts are more difficult to quantify. Yet, even though Williamson County is currently reducing, recycling or diverting well over 25% of its waste, the County is committed to continue the expansion of its waste reduction programs. Williamson County's officials recognize that the County's high growth rate coupled with ever increasing Class I waste disposal cost and the associated long term liability of Class I waste disposal necessitate the continued perseverance in enhancing and maximizing waste reduction, through source reduction, re-use, recycling and diversion programs. The following paragraphs outline anticipated changes to waste management programs within the region.

The Cities included within the Williamson County Solid Waste Planning Region, which provide solid waste collection are the City of Franklin and Spring Hill. The city of Spring Hill anticipates no major changes to its solid waste program during the projected ten year planning period. The cities of Franklin and Brentwood and Williamson County have begun discussions on ways they might work together in expanding waste reduction opportunities within the county, however it is premature at this point to say what direction these discussions might take.

Williamson County does anticipate the expansion of some existing programs and the implementation of new programs. However the implementation of new programs will not jeopardize the region's waste reduction efforts or the region's compliance with the state's 25% waste reduction goal.

An implementation schedule for the new and expanded programs planned by the Williamson County Solid Waste Department is included as Figure I-2.

A map showing key solid waste collection processing and disposal facilities is included as the following Figure I-3. A more detailed description of waste reduction efforts within the region and the associated facilities and programs is included in Chapter 5.

## **Compliance With Mandates of the Solid Waste Management Act of 1991**

The Williamson County Solid Waste Planning Region is in compliance with most mandates of the Solid waste Management Act of 1991. A table listing each of these mandates and the region's programs that assures compliance with the Act follows as Table I-6. A survey of the local governments within the region indicates that existing solid waste programs are stable and will continue to operate to attempt to keep the region in compliance with state mandates.

The projected ten year solid waste budgets for each of the political entities included in the Williamson County Solid Waste Planning Region are included in Chapter 2 as Figures 2-4 through 2-6. Funding sources for solid waste programs have been in place for several years and are anticipated to keep pace with solid waste expenditures.

**Table I-6 - Current Status of Williamson County Government Programs Mandated By The Solid Waste Management Act of 1991**

**Twenty-five Percent Waste Reduction Goal**

According to the 1999 Annual Solid Waste Progress Report the Williamson County Municipal Solid Waste Planning Region has not achieved a 25% reduction in waste disposed of in Class I landfills over the base year of 1989. This is due entirely to the unreasonably low base year waste generation rate identified for Williamson County for 1989 when waste generated within the region was not well accounted for. The base year waste generation rate on record for Williamson County during this time period was 0.79436 tons per person per year. This means that in order to meet the 25% waste reduction goal that Williamson County should be disposing of no more than 0.5958 tons per person per year. Based on the state average waste generation rates, the waste generation rate for a county with the population of Williamson County should have been closer to 1.1 tons per person per year. With the base year change to 1995 the state proposed an even more unreasonable base year waste generation rate of 0.5764 tons per person per year. Which would require that Williamson County dispose of no more than 0.4323 tons of Class I waste per person per year. In order to correct this situation Williamson County applied for a base year adjustment to a waste generation rate, which is more reflective of the region. The state response to this request was to adjust the 1995 base year waste generation rate to 0.6593 tons per person per year (no more than 0.4945 tons disposed in Class I landfills). The Williamson County Solid Waste Department's position is that this is still an unacceptable base year waste generation rate and it will continue to work toward a more reasonable rate.

**Table I-6 - Current Status of Williamson County Government Programs Mandated By The Solid Waste Management Act of 1991 cont.**

County Wide Collection Assurance	Assured through the use of attended convenience center drop-off points maintained by Williamson County Solid Waste Department and available to all residents of county, by City of Franklin House-to-House Collection, By Spring Hill contracted House-to-House collection and by private haulers operating throughout the county.
County Wide Disposal Assurance	Assured through contractual agreements between Williamson County and Waste Management, Inc.
Problem Waste Disposal Assurance	Assured through the use of drop-off points maintained by Williamson County
Recyclable Collection Assurance	Assured through the use of drop-off points maintained by Williamson County
Solid Waste Education Planning	Provided by Williamson Recycles, Williamson County Solid Waste Department, Williamson County Sheriff's Department; Williamson County Schools; Local Scout Troops; 4-H clubs: Master Gardeners Club; and CFA Clubs Local Scout Troops; 4-H clubs: Master Gardeners Club; and CFA Clubs
Full Financial Disclosure and Accountability	Yes
Mandated Planning, Reporting and Record Keeping	Yes
Ten Year Plan	Submitted to State October 1994, Approved March 28, 1995
Annual Reports (Annual Progress Report, Collections Assurance Report, Recyclables Report)	All Annual Solid Waste Reports Submittals up to date.
Five Year Update	Due March 26, 2000





## **CHAPTER 2: General Information about the Region**

### **1. Region name:**

Williamson County Solid Waste Planning Region

### **Counties in Region:**

Williamson County

### **2. The total population of the region for calendar year 1998 was:**

117,569

### **3. Regional Board Chairperson:**

**Judy Hayes**  
**Title:** Representative of Williamson County  
**Address:** 1775 Pope's Chapel Rd.  
Franklin, TN 37064  
**Phone:** (615) 794-5380

A complete list of the board members, their addresses, the entity they represent and their terms is included in Appendix A.

### **4. Part 9 Solid Waste Authority**

No

### **5. Contacts For Solid Waste Information Regarding Davidson County Solid Waste Planning Region:**

**Name:** Lewis Bumpus  
**Title:** Director – Williamson County Solid Waste  
**Phone:** (615) 790-0742

**Name:** Nancy Dirube  
**Title:** Waste Reduction Administrator- Williamson County Solid Waste  
**Phone:** (615) 790-3701

**Name:** Carolyn Gallagher  
**Title:** Recycling Coordinator- Williamson County Solid Waste  
**Phone:** (615) 790-5848

### **6. Activity Of Solid Waste Board:**

The Williamson County Regional Solid Waste Planning Board is scheduled to meet once per month unless there is insufficient business to warrant a meeting. The regional solid waste planning board is comprised of five members. Williamson County appoints four members to the board and the City of Franklin appoints one. A list of these board members, their addresses, the entity they represent and their terms is included in

Appendix I. In addition to board members, various members of the Department of Solid Waste attend the board meetings. The Director of Solid Waste generally serves as technical secretary to the board. Other members of the Department of Solid Waste assist in information gathering and reporting to the board on solid waste management issues relating to the region. Members of the audience at these meetings may consist of various interested parties inside and outside of Local Government. Parties outside of local government may include consultants, vendors, environmental groups and interested citizens. Generally time is reserved at the end of each meeting for members of the audience to comment if they wish.

The board reviews and approves each Regional Solid Waste Plan Annual Report and any updates to the Plan prior to its being submitted to the state. Generally, these plans are submitted in a timely manner. The Regional Solid Waste Planning Board is also aware that the Solid Waste Management Act requires that the board review and approved each permit for proposed new solid waste facilities prior to permit review by the state. The following steps as outlined by the TDEC-Division of Community Assistance are necessary regarding permit review by the Regional Solid Waste Board.

**Permit Review by Regional Solid Waste Boards  
Per the Solid Waste Management Act [T.C.A. 68-211-814(b)(1)(D)]**

1. The applicant must apply (in writing as he would to the Division of Solid Waste Management) to the Regional Solid Waste Board at or before the time the application process for technical review is initiated with the Division of Solid Waste Management.
2. Next, if the application is in order and the applicant wants to continue, the board must hold a public hearing with proper notice and a written record of the proceedings.
3. When the Board votes on the application, they are not expected to examine the proposal for technical merit. They are expected to compare the project with the financial needs and disposal plans described in the Region's approved ten year plan and determine if the application is consistent with and/or complimentary to the plan's vision for the region.
4. The regional board has 90 days after the receipt of an application to make a decision. Once a decision is made, it must be communicated in writing to the Commissioner of Environment and Conservation Milton H. Hamilton, and cc: to Mike Apple (Director of Solid Waste Management) and Ron Graham (Director of Community Assistance).
5. A decision by the Region may be appealed in the Davidson (regardless of county board represents) County Chancery Court.

## 7. Region Formation And Structure

The Williamson County Solid Waste Planning Region was formed to develop a regional solid waste management plan. Solid waste management issues at this time were very complex and controversial. Williamson County Officials determined at the time of region formation that Williamson County would form a single county region. County government officials felt at that time that the continued progress and continuity of existing and planned solid waste management programs established and planned for the residents of Williamson County could best be achieved by continuing to plan as a single county region.

The problems associated with providing solid waste management in a manner that is acceptable to all interested groups in a cost effective and environmentally sound manner are still very complex and challenging. Williamson County Officials are satisfied with the status of Williamson County as a single county planning region.

## 8. Municipalities Providing Collection Services In Region

Table 2-1 List Of Municipalities In Metro Planning Region Which Provide Collection Service Table I-6  
Williamson County Solid Waste Management Methodology For Calendar Year 1993

CITY/TOWN	Service Recipient	SERVICE PROVIDED	HOW FINANCED	ACCOUNTING
WILLIAMSON COUNTY	All residents of the County	Convenience Center Collection of residential garbage recyclables, demolition/ construction debris, and used oil. Private haulers operating throughout the county on an individual subscription basis.	Paid out of Special Revenue Fund	Standard Chart of Accounts for County Government
FRANKLIN	Residents of the City of Franklin	Once per week curbside collection by city employees and equipment.	Paid for through utility bill collection.	Special Revenue Fund
SPRING HILL	Residents of the City of Spring Hill	Contracted curbside collection once per week.	Paid for through utility bill collection.	Special Revenue Fund
BRENTWOOD	Residents of the City of Brentwood	Residential and commercial waste collection through individual subscription with various private waste hauling companies operating in city.	Individual subscription	Not Applicable
NOLENSVILLE	Residents of the Town of Nolensville	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city.	Individual subscription	Not Applicable
FAIRVIEW	Residents of the City of Fairview	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city.	Individual subscription	Not Applicable
THOMPSON STATION	Residents of the Town of Thompson Station	Residential and commercial waste collection through individual subscription with various private waste hauling companies operating in city.	Individual subscription	Not Applicable

A list of the cities providing collection services to their residents with their respective populations follows as Table 2-2

**Table 2-2 Municipalities Within the Williamson County Municipal Solid Waste Planning Region That Provide Municipal Solid Waste Collection**

<b>CITY/TOWN</b>	<b>POPULATION</b>
CITY OF FRANKLIN	42,300
CITY OF SPRING HILL	24,500
<b>TOTAL</b>	<b>66,800</b>

**9. Geographical And Demographical Description Of The Region:**

The Williamson County Solid Waste Planning Region comprises over 584 square miles in central Tennessee. It is generally divided between the physiographic provinces known as the Eastern Highland Rim and the Outer Central Basin. A small portion of the county in the east lies within the Inner Central Basin. Each of these three physiographic provinces lies within the ecoregion known as the Interior Plateau. The rock type in this ecoregion is generally non-cherty Ordovician limestone bedrock. The higher hills and knobs are capped by the more cherty Mississippian-age formations, and some Devonian-age Chattanooga shale. The region's limestone rocks and soils are high in phosphorus. Deciduous forests with pasture and crop land are typically the dominant land cover in non-urban areas. Streams are low to moderate gradient, with productive, nutrient rich waters.

The main centers of commercial activity are Franklin and Brentwood. Franklin is also the seat of the region's County Government. Other municipalities in the region listed in order of size are the City of Spring Hill; City of Fairview; Town of Nolensville; and City of Thompson Station. The major employers in the region are the state and local government. There are several Universities and large hospitals in the region. The region has a diverse economic base and a relatively stable population of approximately 117,569 persons. Two major interstates pass through portions of the county.

**10. SOLID WASTE SERVICE FEE:**

The region does not impose any solid waste fee on the residents of the region.



Table 2-3 Budget and Revenue Summary for Williamson County

Revenues FY:	1998-1999	1999-2000
Tipping Fees		
Sale of Recyclables		
State Grants		
General Fund Transfer		
<b>Total Revenues</b>		
<b>Expenditures FY:</b>		
Class I Landfill Post Closure and Transfer Station		3,182,273.25
Class I Landfill Disposal <sup>1</sup>		950,664.10
Class III/IV and Composting and Woodwaste reduction Program		1,461,438
Convenience Center Solid Waste Collection		783,262.72
Convenience Center Drop-off Recyclables Collection		816,085.76
Solid Waste Education		193,131.80
<b>Total Expenditures</b>		<b>7,386,855.63</b>

1) Based on 1998-1999 actual revenue and expenditures as of 6/15/99.

2) Significant increase in Fees for Goods, starting in 1999-2000, is due to income from a property lease associated with the landfill gas project (estimated at \$105,000/year and increased each year thereafter by 3%).

3) State of Tennessee Household Hazardous Waste Collection Facility Operation and Maintenance Grant

4) Starting in 1999-2000, contains approximately \$200,000/year (increased each year thereafter by 3%) for operation and maintenance of Household Hazardous Waste Collection Facility.

## 12. Uniform Accounting Methods For Each City And County Requirement:

Each municipality in the region continues to be in compliance with the financial accounting requirements of the Solid Waste Management Act. The cities of Franklin and Spring Hill which provide solid waste collection services account for solid waste collection activities in a special revenue fund. Williamson County continues to use the Standard Chart of Accounts for County Government with solid waste costs accounted for in a Special Revenue Fund.

## 13. Proposed Ten Year Solid Waste Budget For Region

Figures 2-4 and 2-5 present the ten year solid waste budgets for political entities within the region which offer solid waste collection and/or disposal services. Figure 2-6 is a composite budget table for revenues and expenditures for the entire Region.



Figure 2-5 Proposed Ten Year Solid Waste Budget For Williamson County Government

	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009
<b>Revenues FY:</b>											
Fees for Services											
Fees for Goods <sup>2</sup>											
Interest <sup>3</sup>											
Recycling Rebate <sup>4</sup>											
HHW Collection Facility O & M Grant <sup>5</sup>											
Waste Tire Processing Grant <sup>6</sup>											
GSD - General Fund											
USD - General Fund											
Transportation Fund <sup>7</sup>											
<b>Total Revenues</b>											
<b>Expenditures</b>											
Disposal											
Composting											
Refuse Collection											
Recycling Programs											
GSD - Chipper Service											
USD - Chipper Service											
NTTC Contract											
Household Hazardous Waste Collection											
Waste Tire Processing											
Wet/Dry Pilot <sup>8</sup>											
Pay As Throw Pilot											
Bells Bend Road Development											
<b>Total Expenditures</b>											

- 1) 1998-1999 values based on 1998-1999 actuals, 1999-2000 based on 1999-2000 budget.
- 2) The significant increase in Fees for Goods, starting in 1999-2000, is due to income from a property lease associated with the landfill gas project (estimated at \$105,000/year and increased each year thereafter by 3%).
- 3) Interest revenue fluctuates greatly from year to year and is, therefore, not projected for future years.
- 4) State program that must be reauthorized annually. Projections are based on the 1998-1999 actual amount escalated at 3% annually (\$19,866.45 of 1998-1999 is carried over into 1999-2000).
- 5) State program that must be reauthorized annually. Projections are based on the 1999-2000 actual amount.
- 6) State program that must be reauthorized annually. Projections are based on the 1999-2000 actual amount escalated at 3% annually.
- 7) Funds previously held for Bells Bend road development.
- 8) Funds pursuant to resolution R98-1350.



**14. Solid Waste Budgets Contacts:**

Table 2-7 Solid Waste Budget Contacts for Each Political Entity Within Solid Waste Planning Region

CITY/TOWN	SOLID WASTE BUDGET CONTACT
WILLIAMSON COUNTY GOVERNMENT	<b>Name:</b> <b>Title:</b> <b>Phone:</b>  <b>Name:</b> <b>Title:</b> <b>Phone:</b>
CITY OF FRANKLIN	<b>Name:</b> <b>Title:</b> <b>Phone:</b>
CITY OF BRENTWOOD	<b>Name:</b> Carson Swinford <b>Title:</b> Acting Finance Director <b>Phone:</b>
TOWN OF NOLENSVILLE	<b>Name:</b> Cindy Lancaster <b>Title:</b> Town Clerk <b>Phone:</b>
CITY OF FAIRVIEW	<b>Name:</b> Shirley Forehand <b>Title:</b> Interim City Manager <b>Phone:</b> (615) 799-2484 Ext. 810
TOWN OF THOMPSON STATION	<b>Name:</b> <b>Title:</b> <b>Phone:</b>
CITY OF SPRING HILL	<b>Name:</b> June Quirk <b>Title:</b> City Recorder <b>Phone:</b> (615) 486-2252 Ext. 204

## CHAPTER 3: Waste Streams

### 1. 1999 Solid Waste Generation

Table 3-1 Solid Waste Generated Within the Region and Disposed of In Class I Landfills or MSW Incinerators

Source Of Information	Tonnage
West Camden Class I Landfill, WMI	62,568.55
Cedar Ridge Class I Landfill, WMI	17,116.02
Middlepoint Class I Landfill, BFI	14,123
<b>Total</b>	<b>93,807.57</b>

### 2. Solid Waste Distribution by Source

Table 3-2 Solid Waste Percentage Distribution \*

CLASSIFICATION	PERCENT OF TOTAL
RESIDENTIAL	23
COMMERCIAL	29
INDUSTRIAL	29
INSTITUTIONAL	19
OTHER	0
<b>TOTAL</b>	<b>100 %</b>

\*This distribution is based on national percentages for waste according to source.

### 3. Estimates Of Specific Types of Wastes Generated In The Region

Table 3-3 Percentages of Specific Wastes

CATEGORY	AMOUNT	PERCENT ESTIMATE
RECYCLABLES	10,912.59	8.81
YARD WASTE AND CLEAN WOOD WASTE	1,446.27	1.01
TIRES	785.01	0.55
HOUSEHOLD HAZARDOUS WASTE	26.05	0.02
WHITE GOODS		
CONSTRUCION/DEMOLITION WASTE	33,985.94	23.83
WASTE DISPOSED	93,807.57	65.78
<b>TOTAL</b>	<b>142,617.43</b>	<b>100</b>

**4. Amount Of Waste Reduced and/or Diverted From The Total Generated Waste Stream**

Table 3-4 Waste Not Disposed Of In Class I Landfills or Incinerators

ITEM	TONS
Source Reduction	Not Quantifiable
Recycling	12,566.59
Composting	1446.27
Diversion	36,243.27
Unmanaged Waste*	0
<b>Total</b>	

\* The amount of waste is assumed to be insignificant. This assumption is based on the lack of complaints on waste dumping and by the visual observations of employees of the Williamson County Solid Waste Department.

Table 3-5 Waste Stream by Management Option

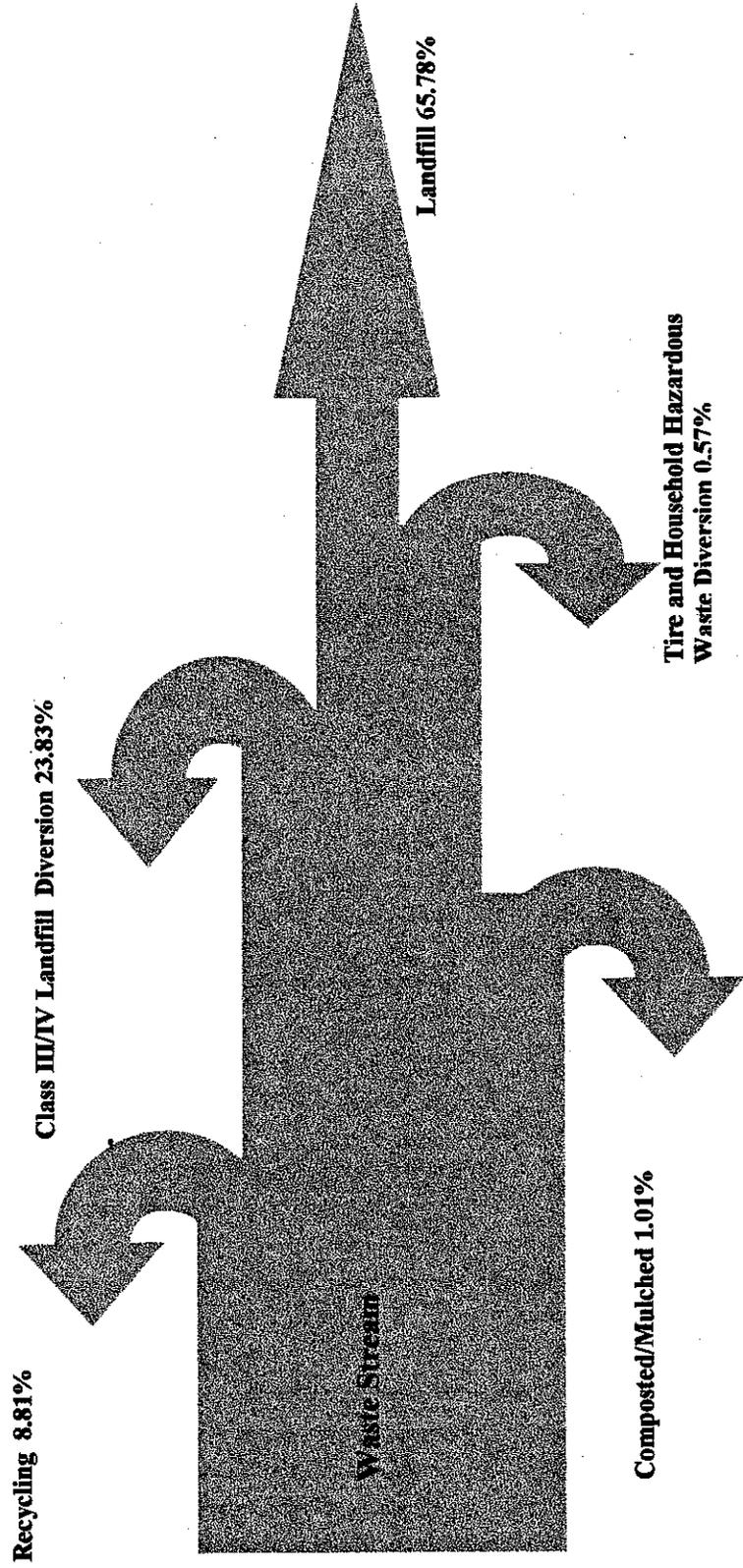
ITEM	TONS	% OF TOTAL WASTE STREAM
Source Reduction*	Not Quantifiable	_____
Recycling**	12,566.59	8.81
Composting**	1,446.27	1.01
Diversion (Tires and Household Hazardous Waste)**	811.06	0.57
Class III/IV Disposal**	33,985.94	23.83
Class I Disposal**	93,807.57	65.78
Unmanaged Waste***	0	0
<b>Total</b>	<b>142,617.43</b>	<b>100</b>

\* Source reduction at the commercial and industrial level is not quantifiable at this time, so it has not been included in calculations for percent waste reduction of total waste stream.

\*\* These figures are based on actual tonnages received or those provided by facility operators.

\*\*\* The amount of waste is assumed to be insignificant. This assumption is based on the lack of complaints on waste dumping and by the visual observations of employees of the Williamson County Solid Waste Department.

Figure 3-1 Flow Diagram of Current Solid Waste Management Methodology For Williamson County MSW Planning Region



**5. Regional Demographic Trends:**

Population growth for the area is estimated to have increased by \_\_\_\_\_ from the 1990 census until the year 2000. No significant change in the population growth rate is anticipated over the planning period.

**6. Regional Economic Conditions:**

Williamson County and the cities included in the planning region have a diverse and stable economy. There are approximately \_\_\_\_\_ manufacturers located in Williamson County. The largest non-governmental employers are Cool Springs Galleria; Primus Financial Services; and COMDATA.

Unemployment for Williamson County was at \_\_\_\_\_% for the month of \_\_\_\_\_. The state's unemployment rate for the same period was 4.3%.

**7. Top Contributors To Overall Waste Stream Generated:**

See Following Table 2-3.

Table 2-3 Top Contributors to Overall Waste Stream

Name	Address	Phone	No. Employees	Type of Waste	Amount Contributed in %
Williamson County School District			2,500 employees 19,120 students	Institutional	1-2%
Franklin Special School District			550 employees 3,800 students	Institutional	Less than 1%
: Cool Springs Galleria			3,500 employees	Commercial	Less than 1%
Primus Financial Services			1,600 employees	Office Waste	Less than 1%
COMDATA			1,200 employees	Office Waste	Less than 1%
Service Merchandise Co, Inc. Headquarters			900 employees	Office Waste	Less than 1%
Bell South Data Center			662 employees	Office Waste	Less than 1%
CPS Corporation			650 employees	Gift Wrap and Ribbon	Less than 1%
Williamson Medical Center			600 employees	Institutional	Less than 1%
Orchid International			450 employees	Metal Stamping	Less than 1%
LASKO Metal Products			430 employees	Metal Fans and Heaters	Less than 1%
LDM Technologies, Inc.			400 employees	Plastic Auto Parts by Injection Molding	Less than 1%
France Manufacturing			350 employees	Ballast and Transformers	Less than 1%
APCOM Inc.			330 employees	Water Heater Elements	Less than 1%
Georgia Boots and Shoes			289 employees	Boots and Shoes	Less than 1%
TELCO			250 employees	Telecommunication Equipment	Less than 1%

**8. Clean Up And Litter Prevention Programs:**

Carolyn Gallagher

Recycling Coordinator- Williamson County Solid Waste

Phone:(615) 790-5848

**9. The 25% Waste Reduction And Diversion Goal: Comment On The Economic Growth Adjustment Formula**

The use of an economic growth adjustment formula could prove to be of some benefit for the Williamson County Solid Waste Planning Region once a realistic base year waste generation rate has been established. To date Williamson County's base year waste generation rate has been unrealistically low and consequently does not reflect the very real achievements of Williamson County's waste reduction programs. Williamson County is a significant commerce center in the middle Tennessee area and could more fairly account for waste reduction in the region with the application of this type of formula. However, a more thorough review of the formula in conjunction with the pertinent information on the region would be required before any definite opinion could be formed.

**10 Effects Of 1995 Base Year And 2003 Goal Year For 25% Waste Reduction And Diversion Goal**

The use of the new base year number is detrimental to the Williamson County Planning Region. The new base year proposed for the Williamson County MSW Planning Region is even more unrealistically low than Williamson County's original base year waste generation number. Unless this number is adjusted to reflect the true waste generation rate within the region and take into account existing waste reduction efforts, the region's waste reduction efforts will continue to be under estimated and under reported. This has the potential to confuse the public and local decision makers in planning for future waste reduction programs. The region has a large and diverse economy and should be allowed to establish a base year waste generation rate which is more reflective of the region.

**11. Current Reduction And Diversion Programs:**

Williamson County currently operates several reduction and diversion programs for solid waste management. Among these are the county's industrial and commercial source reduction program; drop-off recyclables collection program; school paper, cardboard and phone book recycling programs; yard waste composting/ mulch program; tire recycling program; construction/demolition waste materials diversion program; and household hazardous waste collection program. Table 3-7 summarizes the programs previously mentioned, describes their relative success levels; and how they are funded or generate revenues.

**Proposed Programs**

Table 3-7 Summary of Williamson County Waste Reduction and Diversion Programs

Current Program	Relative Success Level	Funding and Revenues
Commercial and Industrial Source Reduction Program	<p>The commercial and industrial source reduction program initiated by Williamson County in the early part of this year has the potential for eliminating waste from the waste stream at the lowest cost. This program will be pursued more aggressively in this and the coming years.</p> <p>This program has met with great success and the county is in the process of expanding it to serve even more business in the Williamson County region over the next few years. This program diverted approximately _____ tons of material in calendar year 1999.</p>	
Commercial Office Paper Waste Reduction Program	<p>This has been a very successful and cost effective program. One of the major advantages of the recyclable drop off program is its accessibility to all residents of the area. The amount of waste diverted by this program is estimated to be _____ tons.</p>	<p>The approximate cost for operating this program is \$80 per ton. The revenue to fund this program is generated from the General Services District General Fund.</p>
Yard composting/mulching program	<p>This has been a very successful program with a significant amount of yard waste being processed by a chipper service.</p>	<p>The revenue to fund this program is generated from the General Fund with transfers to the special revenue fund for solid waste management.</p>
Construction/demolition waste materials diversion program	<p>The material collected from construction demolition activities is disposed of in the Williamson County Class III/IV Landfill; the Southern Services Class IV Landfill; and the _____.</p> <p>The amount of waste diverted by to these facilities is estimated to be _____ tons.</p>	<p>These figures are included the general line item for disposal and are not readily available.</p>
Household hazardous waste collection program	<p>Participation at the region's household hazardous waste collection events has been significant.</p>	<p>The revenue to fund this program is generated from the general fund and state grants.</p>



## CHAPTER 4: Collection and Transportation

### 1. List of Collection Services Available In The Region

Table 4-1 Collection Services Available In The Region:

CITY/TOWN	Service Recipient	SERVICE PROVIDED	HOW FINANCED	ACCOUNTING
WILLIAMSON COUNTY	All residents of the County	Convenience Center Collection of residential garbage recyclables, demolition/ construction debris, and used oil. Private haulers operating throughout the county on an individual subscription basis.	Paid out of Special Revenue Fund	Standard Accounts for County Government
FRANKLIN	Residents of the City of Franklin	Once per week curbside collection by city employees and equipment.	Paid for through utility bill collection.	Special Revenue Fund
SPRING HILL	Residents of the City of Spring Hill	Contracted curbside collection once per week.	Paid for through utility bill collection.	Special Revenue Fund
BRENTWOOD	Residents of the City of Brentwood	Residential and commercial waste collection through individual subscription with various private waste hauling companies operating in city.	Individual subscription	Not Applicable
NOLENSVILLE	Residents of the Town of Nolensville	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city.	Individual subscription	Not Applicable
FAIRVIEW	Residents of the City of Fairview	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city.	Individual subscription	Not Applicable
THOMPSON STATION	Residents of the Town of Thompson Station	Residential and commercial waste collection through individual subscription with various private waste hauling companies operating in city.	Individual subscription	Not Applicable

**2. Minimum Collection Requirements:**

Williamson County assures that adequate solid waste collection is available to all residents of Williamson County through a network of convenience centers. The county operates ten of these center across the county. This system is well received by Williamson County residents and adequately meets the needs of the county's population.

**3. Collection Needs Of The Region:**

The region is well served by the existing solid waste infrastructure. There are no outstanding needs with regard to solid waste collection. There are no major changes anticipated to any of the existing solid waste collection systems at this time.

## CHAPTER 5: Recycling

1. **Recycling Coordinator:** Carolyn Gallagher  
 Title: Recycling Coordinator  
 Address:

Phone: (615) 790-5848

### 2. Recycling Programs In The Region

Table 5-1 Publically Operated Recycling Programs

PROGRAM NAME CONTACT	ADDRESS PHONE	ITEMS ACCEPTED	PROGRAM DESCRIPTION
Williamson County Recyclables Drop-off Collection Sites. Ms. Carolyn Gallagher		Glass, aluminum, mixed metal, newspaper, , cardboard, plastic bottles #1 and #2	Various location through the county (Kroger grocery stores, schools and convenience centers) Available to anyone who wishes to deposit acceptable recyclable items
Williamson County Materials Recovery Facility "Recycle America".		Aluminium, Mixed Metals, Paper, Cardboard, Plastic, Glass	
Williamson County Office Paper Recycling Program		Office Paper	Various offices throughout the county who elect to participate. Available to all employees of participating offices
Williamson County Schools and City of Franklin Special School District		Paper, Cardboard and Phone Books	Available to all residents of the county.
Williamson County Carpet Padding and Carpet Recycling		Carpet Padding and Carpet	Drop-off available at Williamson County Class III/IV Landfill to all residents of County

## **Central Materials Processing Facilities**

**Name of facility:** Recycle America  
**Owner of facility:** Williamson County  
**Contact:** Carolyn Gallagher  
**Phone:** (615) 791-1502  
**Address:** 420 Century Ct., Franklin, TN

**Population served by the facility:** All population of county  
**Types of materials processed:** Aluminum, mixed metal, paper, cardboard, glass, plastic  
**Approx. volume processed annually:** 10,823 tons  
**Description of facility/process:** processing and marketing of recyclables from County recycling drop-off points and schools, and processing and marketing of materials received from commercial and industrial sector.

## **Composting Facility In The Region:**

**Name of facility:** Williamson County                      Yard and Clean Woodwaste  
Composting  
**Owner of facility:** Williamson County  
**Contact:** Lewis Bumpus  
**Phone:** (615) 790-0742  
**Address:** 5750 Pinewood Rd., Franklin, TN  
**Population served by the facility:** All population of County  
**Approx. volume composted annually:** 1,446.27

**Description of facility/process:** Yardwaste, brush and clean woodwaste are processed and composted at the Williamson County class III/IV landfill.

### **3. Progress And Setbacks In Recycling And Reduction Efforts:**

The general market value for recyclables has decreased in recent years. Depressed market values inhibit the expansion of recycling programs and can threaten their viability.

### **4. Recycling Drop-Off Facility**

Following is a table of publicly operated drop-off recyclables collection points within the region. These sites are available to all residents of the region.

## CHAPTER 6: Disposal

### 1. Landfill Facilities, Transfer Stations, MSW Incinerators, Landfill Gas Facilities And Waste To Energy Facilities:

#### LANDFILL

**Facility name and classification:** Williamson County Class III/IV Landfill

**Facility owner:** Williamson County

**Contact/operator:** Lewis Bumpus

**Phone:** (615) 790-0742

**Address/location:** 5750 Pinewood Rd., Franklin, TN

**Types of materials received:** Class III/IV construction/demolition debris, yard waste,  
brush and clean wood waste.

**Jurisdictions served:** All of Williamson County

**Tipping fee per ton:**

**Energy production:** No.

**Permit No.:** DML 941 020065

**Notes:** None

#### LANDFILL

**Facility name and classification:** Williamson County Class I Landfill (No longer  
accepting waste)

**Facility owner:** Williamson County

**Contact/operator:** Lewis Bumpus

**Phone:** (615) 790-0742

**Address/location:** 5750 Pinewood  
Rd., Franklin,  
TN

**Types of materials received:**

None

**Jurisdictions served:** None

**Permit No.:** SNL 941 020057

**Tipping fee per ton:** None

**Energy production:** No

**Transfer:**

#### TRANSFER STATION

**Facility name and classification:** Williamson County Transfer Station

**Land owner:** Williamson County

**Contact/operator:** Lewis Bumpus

**Phone:** (615) 790-0742

**Address/location:** 5750 Pinewood Rd.

**Permit No.:** Permit by rule (no  
mechanical compaction)

**Types of materials received:** Class I  
MSW

**Jurisdictions served:** All of Williamson  
County.

**Tipping fee per ton:**

**Special tipping fee:**

**Energy production:** No

**Transfer:**

**2. Class I Waste Export And Import:**

**EXPORT:**

<b>LOCATION OF RECEIVING FACILITY</b>	<b>DESTINATION FACILITY AND FACILITY OWNER</b>	<b>Tonnage Disposed of in CY 1999</b>	<b>% OF TOTAL CLASS I DISPOSED</b>
Benton	West Camden, Class I Landfill, Waste Management	62,568.55	66.7
Marshall	Cedar Ridge Class I Landfill, Waste Management	17,116.02	18.2
Rutherford	Middlepoint Landfill, BFI	14,123	15.1
<b>Total Tonnage</b>		<b>93,807.57</b>	<b>100</b>

\*USA Waste and Waste Management merged during the last calendar year, the percent of total class I waste disposed for Waste Management represents the combined total of waste sent to USA Waste and Waste Management

**IMPORT:**

<b>LOCATION OF ORIGIN</b>	<b>DESTINATION FACILITY AND FACILITY OWNER</b>	<b>% OF TOTAL CLASS I GENERATED</b>
NONE		

**3. Disposal Needs Evaluation:**

Efficient disposal is assured at a reasonable price for the foreseeable future. No changes to the programs are contemplated.

**4. Facility Planned Capacity Assurance:**

The facilities being utilized for solid waste disposal by the region all have planned disposal capacity in excess of ten years

**5. For Landfills And Incinerators, Are Financial Activities ACCOUNTED FOR IN AN ENTERPRISE FUND?**

Yes

## CHAPTER 7: Problem wastes

### 1. State Household Hazardous Waste Mobile Collection Service:

Yes, the county has taken advantage of the State's household hazardous waste mobile collection service. \_\_\_\_\_

### 2. Permanent Household Hazardous Waste Collection Center: None

### 3. Level Of Success With Household Hazardous Waste Collection And Future Plans:

The last event was held on \_\_\_\_\_ at the \_\_\_\_\_ . The event had well over \_\_\_\_\_ participants. The household hazardous waste collection events scheduled for this calendar year are to be held on \_\_\_\_\_ and \_\_\_\_\_ at the \_\_\_\_\_ .

### 4. Waste Tire Collection Mandates:

The county currently accepts used tires at the Williamson County Class III/IV Landfill located on Pine Wood Road and at \_\_\_\_\_ . Tires are stored at this facility prior to transport and marketing by MACK Tires for use as a fuel in place of coal.

### 5. Satisfaction With Waste Tire Collection Efforts:

The county is satisfied with it's waste tire management program. The county is currently contracting with a private contractor to recycle the tires and take advantage of the State's reimbursement plan.

### 6. Waste Tire Dumping:

Illegal waste tire dumping is a minor problem with sporadic dumping locations.

### 7. Oil And Auto Fluid Collection Mandates:

A list of publicly operated drop-off points in the region which except used oil and automotive fluids for recycling is attached in Appendix III.

### 8. Lead Acid Battery Collection Mandates: A list of publicly operated drop-off points which accept lead acid batteries for recycling is attached in Appendix III.



## **CHAPTER 8: Solid Waste Education**

### **1. Efforts In Public Education Regarding Solid Waste Matters:**

Name:  
Organization/Sponsor:  
Phone:  
Target participants:  
Description of activities:

Name:  
Organization/sponsor:  
Phone number:  
Address:  
Target participants:  
Description of activities:

Name:  
Organization/sponsor:  
Phone number:  
Address:  
Target participants:  
Description of activities:

### **2. Public Solid Waste Education Needs**

It would be helpful if more information were disseminated regarding the more important issues of source reduction and conservation in addition to recycling. The clamor by the public for often costly recycling programs overshadows the importance of not generating or reducing waste.



## **CHAPTER 9: Flow Control and Permit Review**

### **1. Is The Flow Of Waste Controlled By The Region Or Jurisdictions:**

Flow control is not currently being exercised by the region or any of its jurisdictions,

### **2. Any Outstanding Issues Regarding Permit Review Or Flow Control?**

Williamson County strongly needs to be able to direct flow to its disposal facilities in order to provide for their economic and efficient operation.



## **CHAPTER 10: Five-Year Plan Update Review and Approval**

- 1. Description of public hearings held after the revised plan was completed:**
- 2. Is local planning commission aware of the five-year update?**
- 3. Copies of a resolution from every county in the region approving the five-year plan update:**



## **Appendix I**

### **List Of Regional Board Members**



## **Appendix II**

### **Region Formation Resolution**





STATE OF TENNESSEE  
**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**

Division of Community Assistance  
401 Church Street, 8<sup>th</sup> Floor  
Nashville, TN 37243-1533

November 5, 1999

Ms. Judy Hayes  
Chairperson  
Williamson Co. Municipal SW Planning Region  
1775 Pope's Chapel Road  
Thompson Station, TN 37179

RE: Five-year Update to Ten-year Solid Waste Plan  
Williamson County SW Region  
Region Member(s): Williamson  
**Report Due — March 28, 2000**

Dear Ms. Hayes:

As you are aware, the Solid Waste Management Act of 1991 requires the Solid Waste Regions to plan, monitor, and report on solid waste activities. One of the requirements of this legislation was for each region to prepare a Ten-year Solid Waste Management Plan. The legislation also requires that Five-year updates to those plans be prepared and submitted to the state for review. The Williamson County Region's Ten-year plan was approved on March 28, 1995; therefore, your Five-year update report is due to this office by **March 28, 2000**.

Also required by the Solid Waste Act is submittal of a Needs Assessment report for all of the counties within each Development District. The initial Assessment was due by September 30, 1992, with revisions due by April 1, 1999 and every five years after that. The SW Needs Assessment(s) for the counties and municipalities within your region was (were) received on March 31, 1999.

I am confident you will give due attention to your Five-year update to the Ten-year Solid Waste Management Plan. If you have any concerns, I encourage you to contact Ms. Karen Grubbs with DCA at 615-532-0463.

Sincerely,

Ron Graham  
Director

RG:KLG:lr

CC: The Honorable Clint Callicott, Williamson County Executive  
Mr. Phil Armor, Greater Nashville Regional Council  
Mr. Mike Stooksberry, CTAS-WT  
Mr. Lewis Bumpus, Williamson County Solid Waste Director





STATE OF TENNESSEE  
**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**

Division of Community Assistance  
8th Floor, L & C Tower, 401 Church Street  
Nashville, Tennessee 37243-0455

November 20, 2000

Ms. Judy Hayes, Chairperson

~~Williamson County Municipal Solid Waste Planning Region~~ *W*

1775 Pope's Chapel Road

Thompson Station, Tennessee 37179

Dear Ms. Hayes:

Thank you for the submission of Williamson County's ~~Five-Year Update~~ to the ten-year solid waste plan. The following comments are provided based upon review of the revision and other relevant documents and requirements.

- **Waste Streams:** in part 3 of chapter 3 it is requested that you estimate the percentages of waste disposed of in Class I landfills and incinerators was composed of various materials. I.e. how much of the 95,713 tons disposed was recyclable material? Yard waste? White goods? Etc.

The information requested above should reach this office not later than February 20, 2001. If you have questions or need assistance, please feel free to contact me at (615) 532-8004.

Sincerely,

Jason Freeman,  
Waste Reduction Section

Cc: The Honorable Clint Callicott, Williamson County Executive  
Mr. Lewis Bumpus, Williamson County Solid Waste Director  
Ms. Sara Brown, South Central TN Development District  
Mr. Mike Stooksberry, CTAS Solid Waste Management Consultant  
Mr. John Bowers, EC Columbia Environment Assistance Center





STATE OF TENNESSEE  
**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**

Division of Community Assistance  
401 Church Street, 8<sup>th</sup> Floor  
Nashville, TN 37243-1533

July 31, 2000

Ms. Judy Hayes, Chairperson  
Williamson Co. Municipal SW Planning Region  
1775 Pope's Chapel Road  
Thompson Station, TN 37179

RE: Five-year Update to Ten-year Solid Waste Plan  
Williamson Co. Municipal SW Planning Region 94

Dear Ms. Hayes:

Thank you for your timely submission of the Williamson Co. Municipal SW Planning Region Update Plan. We received your final plan on 7/27/2000. Division staff will complete the review within the next 90 days as required by The Solid Waste Act of 1991.

If you need additional information or have further questions, please contact Louis Bordenave at 615-532-0095.

Sincerely,

Ron Graham  
Director

RG:rpg

C: The Honorable Clint Callicott, Williamson County Executive  
Mr. Lewis Bumpus, Williamson County Solid Waste Director  
Mr. Phil Armor, (SWM), Greater Nashville Regional Council  
Mr. Mike Stooksberry, SW Management Consultant, CTAS  
Mr. Chuck Head, Manager, Nashville Environment Assistance Center





## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

City of Brentwood  
P.O. Box 788  
Brentwood, TN 37024

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board



## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

City of Thompson's Station  
P.O. Box 100  
Thompson's Station, TN 37179

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board

Waste Reduction . . . Reuse . . . Recycle 

 Printed on recycled paper



## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

City of Spring Hill  
P.O. Box 57  
Spring Hill, TN 37174

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board

Waste Reduction . . . Reuse . . . Recycle 

 Printed on recycled paper



## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

City of Nolensville  
P.O. Box 547  
Nolensville, TN 37135

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board

Waste Reduction . . . Reuse . . . Recycle 

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## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

Williamson County Planning Commission  
1320 W. Main Street  
Franklin, TN 37064

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board





## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

City of Franklin  
P.O. Box 305  
Franklin, TN 37065

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board

Waste Reduction . . . Reuse . . . Recycle



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# Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

City of Fairview  
P.O. Box 69  
Fairview, TN 37062

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board

Waste Reduction . . . Reuse . . . Recycle



Printed on recycled paper

**Municipal Solid Waste Board Meeting Minutes**  
**May 31, 2000 - Page Two**

Mrs. Hayes suggested preliminary studies on user fees and pay-to-throw programs before any considerations are given, and questioned an increase in the amount of roadside litter after implementing user fees. Mr. Bumpus stated that studies show that roadside litter actually decreased after user fees are implemented. Mrs. Hayes requested a synopsis of how the user fee programs work, and Mr. Bumpus stated he intends to have other counties, who have already implemented user fees, to assist in educational meetings to answer and address any questions and concerns.

Mr. Murdic asked what an approximate figure might be for a user fee, and Mr. Bumpus offered an approximate amount of \$4.00 per month for households that use convenience centers. This is based on a county, similar in size, who has adopted a user fee program, and are planning to reduce their \$5.00 user fee.

Ms. Gallagher inquired as to whether it would be easier to raise property taxes, and Mr. Bumpus stated that an increase in property taxes does not provide an incentive to recycle. He feels there will never be a true reduction as long as solid waste is being subsidized.

Mr. Murdic asked how a situation will be handled when an individual is paying a fee for a subscription service, but needs to use a convenience center on occasion. Mr. Bumpus pointed out that an allowance will be built into the system to accommodate spring and fall clean-ups.

Mrs. Hayes suggested to also consider some type of reduction in the rate structure for senior citizens. Mr. Bumpus noted that the proposed rate structure contains an allowance for the elderly and/or low income of approximately 50% less.

At this time, Mr. Bumpus requested a clarification on the rates voted on at the last Solid Waste Board meeting. He would like the rates to be as follows:

- \$ 2.00 / cubic yard for clean wood waste - dry and/or green (separated)
- \$ 3.25 / cubic yard if the waste is pre-processed and can be utilized in the recycling program (This is for the ADC recycling, which does not allow for large amounts of wood waste, and would prohibit the product from meeting the ADC recycling standards.)

Mrs. Hayes moved, seconded by Mr. Murdic, to accept the rates as clarified. The motion passed by unanimous voice vote, 3 - 0.

After further discussion, Mr. Murdic moved that Williamson County be the fiscal agent for the Solid Waste Advisory Board. Mr. Anglin seconded the motion, which passed by unanimous voice vote, 3 - 0.

Mr. Murdic moved, seconded by Mr. Anglin, to approve the Municipal Solid Waste Regional Plan Five-Year Update, with the corrections as stated. The motion passed by unanimous voice vote, 3 - 0.

At this time, Mrs. Hayes announced the Public Hearing officially open. There was no one present from the public to comment. Mr. Anglin moved, seconded by Mr. Murdic, to close the Public Hearing. The motion passed by unanimous voice vote, 3 - 0.

Ms. Gallagher updated the Board on the Keep Williamson Beautiful meeting to begin the certification process with the Keep America Beautiful representatives. She also informed them of the upcoming composter sale and classes.

There being no further business, the meeting adjourned at approximately 6:10 p.m.



STATE OF TENNESSEE  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
Division of Community Assistance  
L & C Tower-8<sup>th</sup> Floor  
401 Church Street  
Nashville, TN 37243-1533

January 23, 2001

Ms. Judy Hayes, Chairperson  
Williamson County Municipal Solid Waste Planning Region 94  
1775 Pope's Chapel Road  
Thompson Station, Tennessee 37179

Dear Ms. Hayes:

Thank you for submitting the requested information for the Five-Year Update to the Williamson MSW Region's Solid Waste Plan. The plan update now stands approved.

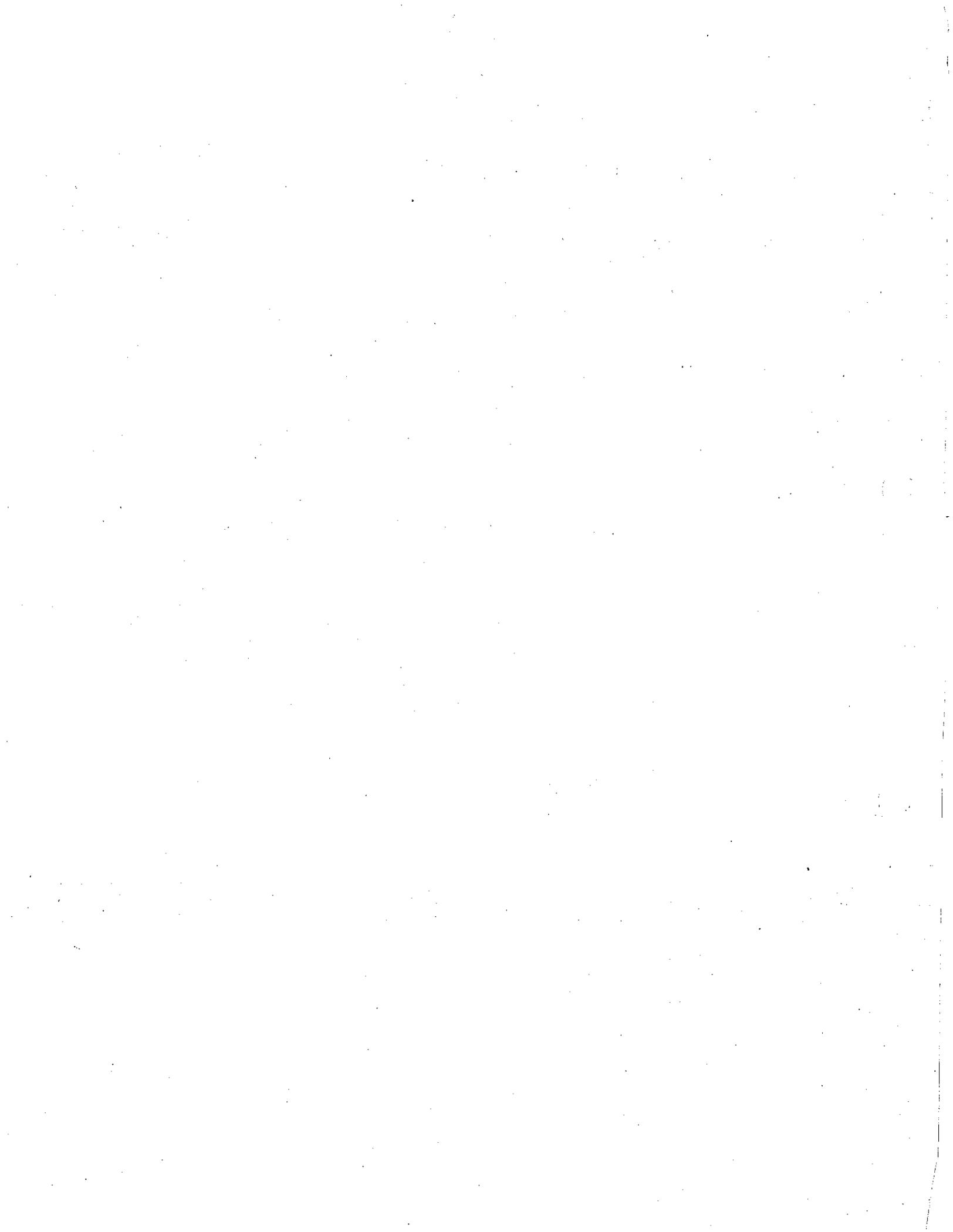
This revised plan is intended to serve as a guideline for the region's solid waste reduction activities during the upcoming ten-year period. Tennessee Code Annotated §68-211-815 requires that it be consistent with the state solid waste plan, with the provisions of this part, with all other applicable provisions of law, and with any regulation promulgated by the department. Any changes or updates in this plan must be identified and reported in the region's Annual Progress Report and the next Five-Year Update.

If you have questions or need our assistance, please contact the Division of Community Assistance at (615) 532-8004.

Sincerely,

Jason Freeman  
Waste Reduction Section

cc: The Honorable Clint Callicott, Williamson County Executive  
Mr. Lewis Bumpus, Williamson County Solid Waste Director  
Mr. Phil Armor, Greater Nashville Regional Council  
Mr. Mike Stooksberry, CTAS Solid Waste Management Consultant  
Mr. Charles Jobe, EC Nashville Environment Assistance Center  
Ms. Geneil Dillehay, Consultant





STATE OF TENNESSEE  
**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**

Division of Community Assistance  
8th Floor, L & C Tower, 401 Church Street  
Nashville, Tennessee 37243-0455

November 20, 2000

Ms. Judy Hayes, Chairperson

~~Williamson County~~ Municipal Solid Waste Planning ~~Region~~

1775 Pope's Chapel Road

Thompson Station, Tennessee 37179

Dear Ms. Hayes:

Thank you for the submission of Williamson County's ~~Five Year Update~~ to the ten-year solid waste plan. The following comments are provided based upon review of the revision and other relevant documents and requirements.

- **Waste Streams:** in part 3 of chapter 3 it is requested that you estimate the percentages of waste disposed of in Class I landfills and incinerators was composed of various materials. I.e. how much of the 95,713 tons disposed was recyclable material? Yard waste? White goods? Etc.

The information requested above should reach this office not later than February 20, 2001. If you have questions or need assistance, please feel free to contact me at (615) 532-8004.

Sincerely,

Jason Freeman,  
Waste Reduction Section

Cc: The Honorable Clint Callicott, Williamson County Executive  
Mr. Lewis Bumpus, Williamson County Solid Waste Director  
Ms. Sara Brown, South Central TN Development District  
Mr. Mike Stooksberry, CTAS Solid Waste Management Consultant  
Mr. John Bowers, EC Columbia Environment Assistance Center



JF



STATE OF TENNESSEE  
**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**

Division of Community Assistance  
401 Church Street, 8<sup>th</sup> Floor  
Nashville, TN 37243-1533

July 31, 2000

Ms. Judy Hayes, Chairperson  
Williamson Co. Municipal SW Planning Region  
1775 Pope's Chapel Road  
Thompson Station, TN 37179

RE: Five-year Update to Ten-year Solid Waste Plan  
Williamson Co. Municipal SW Planning Region 94

Dear Ms. Hayes:

Thank you for your timely submission of the Williamson Co. Municipal SW Planning Region Update Plan. We received your final plan on 7/27/2000. Division staff will complete the review within the next 90 days as required by The Solid Waste Act of 1991.

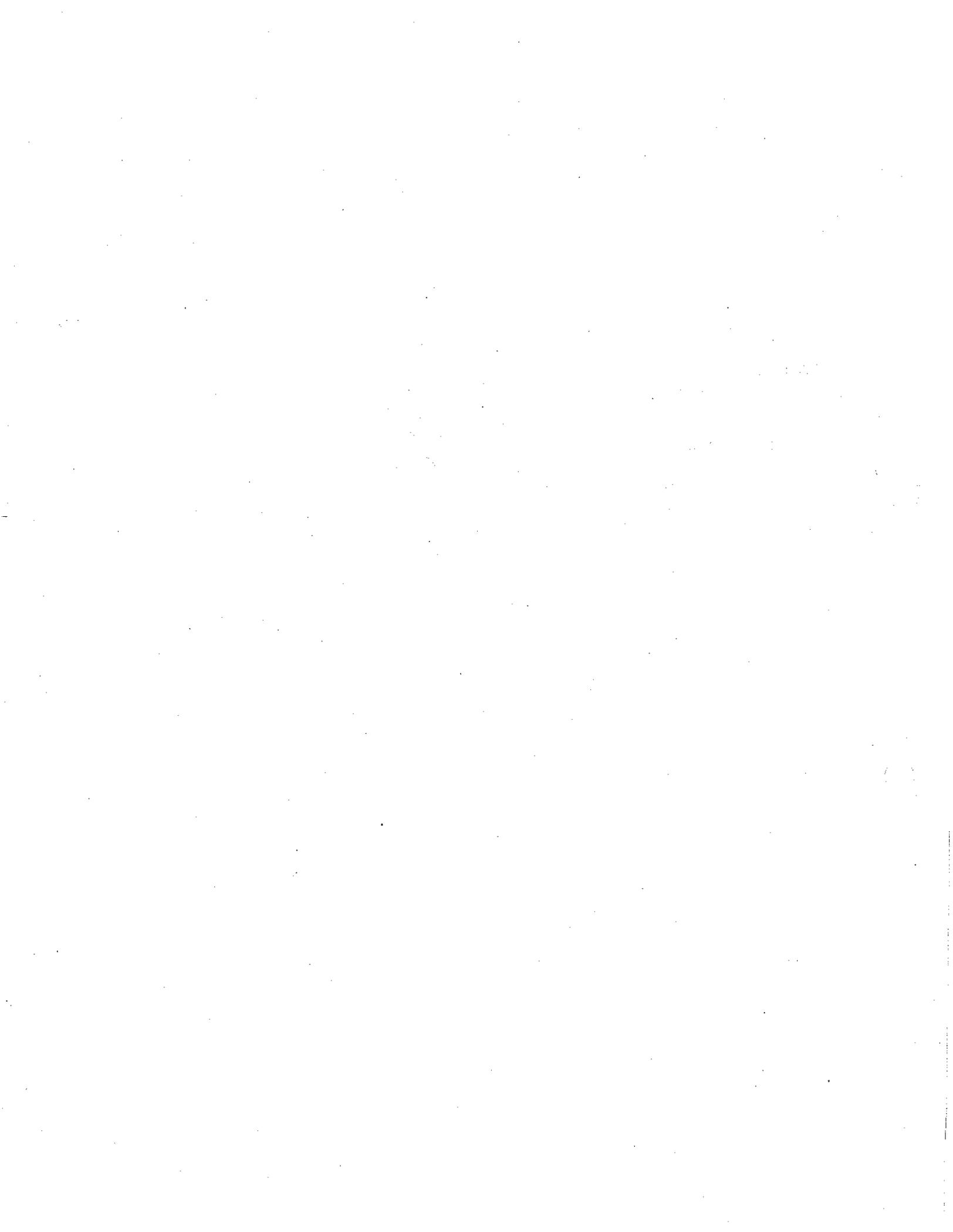
If you need additional information or have further questions, please contact Louis Bordenave at 615-532-0095.

Sincerely,

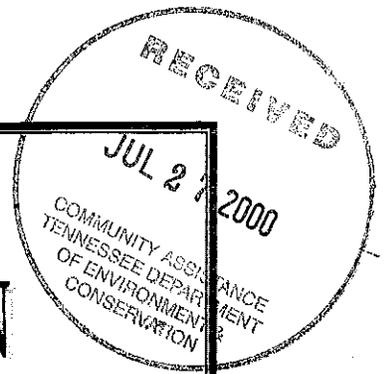
Ron Graham  
Director

RG:rpg

- C: The Honorable Clint Callicott, Williamson County Executive
- Mr. Lewis Bumpus, Williamson County Solid Waste Director
- Mr. Phil Armor, (SWM), Greater Nashville Regional Council
- Mr. Mike Stooksberry, SW Management Consultant, CTAS
- Mr. Chuck Head, Manager, Nashville Environment Assistance Center



**WILLIAMSON COUNTY  
SOLID WASTE PLANNING REGION**



**MUNICIPAL SOLID WASTE REGIONAL PLAN**

**FIVE-YEAR UPDATE**



**June 12, 2000**

Prepared by

**Dillehay and Associates  
88 Difficult Rd.  
Carthage, TN 37070  
(615) 774-3633**



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Appendix I: List Of Regional Board Members

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## INTRODUCTION

In response to the Solid Waste Management Act of 1991 local governments were required to form solid waste planning regions for the purpose of preparing comprehensive ten year plans for the management of solid waste generated within their region. The minimum size of a solid waste planning region is limited to a single county. In the case where city or town limits cross county lines, the city can choose the county it wishes to plan with from those in which it is located. Upon the formation of a solid waste planning region the act required the establishment of a regional solid waste planning board. The act established the role and responsibilities of these boards. The primary responsibility given to these boards is that of long range planning for solid waste management within the region. The board's members were charged with looking into the future and making comprehensive, integrated solid waste management plans. The object of these plans was to provide the region's legislative bodies with the information necessary to make informed decisions assuring that safe, practical and economical solid waste management was available to all citizens within the region.

Williamson County formed a single county solid waste planning region in October of 1992 by resolution of the county's legislative body. Then, according to the mandates of the Solid Waste Management Act of 1991, the municipalities in the region appointed a regional board. This board completed the preparation of the region's ten-year solid waste plan. This plan was submitted and approved by the State of Tennessee on March 25, 1995.

In addition to preparation of the region's ten-year solid waste management plan, further provisions of the Solid Waste Management Act of 1991 require that solid waste planning regions to:

- ◆ Submit annual progress reports on the implementation of the region's ten year solid waste plan
- ◆ Prepare five-year updates to the original plan

The purpose of the five-year update is to summarize achievements of the region during the past five year period and then for the next ten year planning horizon to identify any new needs of the region regarding compliance with state mandates. Once needs are identified the regional board should devise an implementation schedule for implementation of new programs to meet these needs; forecast a proposed ten year budget for implementing these programs; and identify revenue sources for funding the proposed budget.

This document has been prepared in compliance with the state's requirements for the five-year update to the Region's original solid waste plan. It is hoped that the information contained in this plan will identify a course for and assist the region's decision-makers in coping with solid waste management issues for the next ten year planning period.



# CHAPTER 1: Summary

## Overview

Williamson County is a considerable influence in Middle Tennessee with respect to development, growth management, commerce and culture. Additionally, it is one of the fastest growing areas in the state. Much of this growth can be attributed to the areas proximity to one of the state's major population centers, however the county's growth can also be attributed to the high quality of life experienced by its residents.

One human health and environmental need, which significantly affects the perceived quality of life associated with any community, is adequate solid waste management. Williamson County and the cities within have a history of proactively managing their solid waste.

In October of 1992 the Williamson County Commission passed a resolution creating the Williamson County Solid Waste Planning Region. A list of the political entities included in the Williamson County Solid Waste Planning Region with their approximate current population is as follows:

Table I-1 Political Entities Included in the Williamson County Solid Waste Planning Region with Associated Populations

CITY/TOWN	POPULATION
FRANKLIN	42,300 <sup>a</sup>
BRENTWOOD	24,500 <sup>b</sup>
NOLENSVILLE	2,254 <sup>c</sup>
FAIRVIEW	5,000 <sup>d</sup>
THOMPSON STATION	1276 <sup>e</sup>
SPRING HILL	3682 <sup>e</sup>
WILLIAMSON COUNTY REMAINDER	44,781 <sup>f</sup>
<b>Total</b>	<b>123,793<sup>g</sup></b>

<sup>a</sup> Based on December 31, 1999 estimate. Developed from special census taken in April 1999 and adjusted for dwelling units and occupancy rates.

<sup>b</sup> 1999 Estimate based on last census data adjusted for dwelling units and occupancy rates.

<sup>c</sup> Based on special census in March of 1999.

<sup>d</sup> 1999 Estimate

<sup>e</sup> Data procured from Williamson County Chamber of Commerce based on Estimate for 1998.

<sup>f</sup> Estimate based on difference between total city populations and county total population.

<sup>g</sup> U.S. Census estimate for July 1, 1999

## Waste Management Strategy Identified in Original Ten Year Solid Waste Plan

When Williamson County submitted the original Williamson County Region Municipal Solid Waste Ten Year Plan records indicated that in 1993 waste was managed according to the methodology summarized in Table I-2.

Table I-2 Williamson County Solid Waste Management Methodology For Calendar Year 1991

Waste Management Method	Tons Per Year	%
Reduced	Not quantifiable	Not quantifiable
Recycled	Not quantifiable	Not quantifiable
Composted/Mulched	Not quantifiable	Not quantifiable
Diverted (other than Class III/IV disposal)	Not quantifiable	Not quantifiable
Class III/IV Disposal	Not quantifiable	Not quantifiable
Class I Disposal	60,000	65.54
Unmanaged *	31,542	34.46
<b>Total</b>	<b>91,542</b>	<b>100</b>

\* Estimated by subtracting waste managed from potential waste generated in region. Potential waste generated in region based on state average per capita waste generation.

The region's goals for managing its waste in 2003 as set forth in the 1993 Regional Solid Waste Plan were as follows:

Recycling and Composting	25%
Diversion	8%
Class I Landfilling	67%

While these goals were highly ambitious for the time, today, Williamson County has surpassed these goals and continues to build a solid waste management program, which is a model for much of the state.

### Current Solid Waste Management Strategy

Williamson County's Solid Waste Department is charged with the responsibility of assuring that adequate solid waste collection and disposal capacity is available to all residents of the region. Additionally, the department is charged with the responsibility for seeing that the Williamson County Solid Waste Planning Region meets the state's 25% solid waste reduction goal. The department does this through an extensive network of convenience centers for solid waste and recyclables collection, a materials recovery facility (MRF), a composting program for clean woodwaste and yardwaste, a waste tire recycling program, an office paper collection and recycling program, an industrial and commercial waste reduction program, and a Class III/IV landfill for diversion of construction/demolition type material. Waste which cannot be eliminated from the waste stream through source reduction, re-use, recycling, composting or diversion is routed to the County's transfer station for transfer to contracted out-of-region Class I landfills or is hauled directly to other out-of-region transfer stations and /or landfills.

A more detailed description of these programs is presented in the following paragraphs.

#### Waste Stream Generation and Characteristics

In 1993, when Williamson County was first called upon to collect the information necessary to develop a ten-year comprehensive solid waste management plan, it was assumed that waste distribution according to source closely resembled that at the national level. This assumption was based on Williamson County's diversified economic and industrial base. Resources consulted regarding Williamson County's current waste distribution agree that waste generation according to source should still closely resemble that at the national level. Based on this assumption, Williamson County's current waste distribution according to source should fall into the following classifications at the percentages shown in Table I-3.

Table I-3 Typical Distribution of Solid Waste According To Source Based on National Values

Waste Source	%
Residential	23
Commercial	29
Industrial	29
Institutional	19
Other	0
<b>Total</b>	<b>100</b>

Source: EPA contracted study

#### Collection

In 1993 the Williamson County Solid Waste Planning Region established that 100% of the residents in the region had solid waste collection service available to them through city, county or private sector garbage collection programs. While these existing programs met and even exceeded the state's solid waste collection requirements, Williamson County and the cities within continued to enhance solid waste collection opportunities including upgrading the convenience center collection program which is available to all residents of the county. Currently, Williamson County operates 10 convenience centers in the county providing residential garbage and recyclables drop-off service to all residents of the county as well as the opportunity to drop-off used motor oil, used automotive fluids and batteries. Additionally, the cities of Franklin and Spring Hill provide their residents with house-to-house collection of refuse. A table listing the political entities within the Williamson County Planning Region and the types of solid waste collection they provide follows as Table I-4.

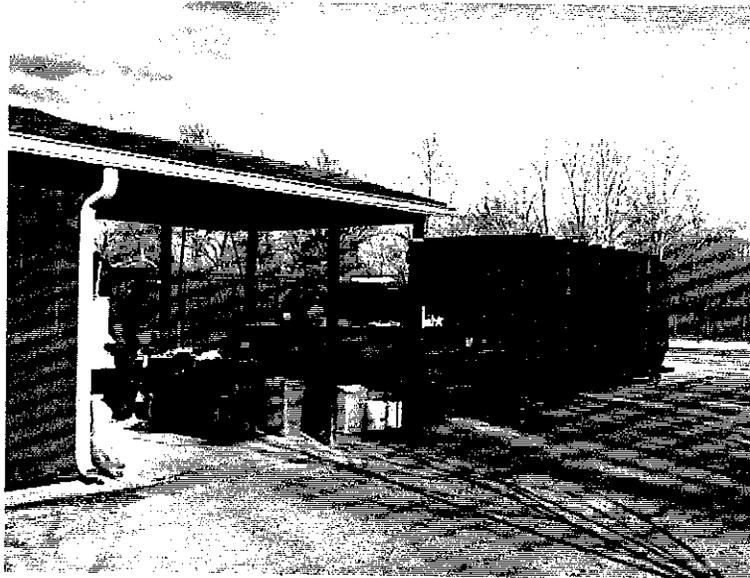


Table I-4 Collection Services Available In The Region:

CITY/TOWN	Service Recipient	SERVICE PROVIDED	HOW FINANCED	ACCOUNTING
WILLIAMSON COUNTY	All residents of the County	Convenience Center collects used oil, residential refuse, recyclables, and demolition/construction debris. Private haulers operate in the county on an individual subscription basis.	Paid out of Special Revenue Fund	Standard Chart of Accounts for County Government.
FRANKLIN	Residents of the City of Franklin	Once per week curbside collection by city employees and equipment.	Paid through utility bill collection.	Special Revenue Fund
SPRING HILL	Residents of the City of Spring Hill	Contracted curbside collection once per week.	Paid through utility bill collection.	Special Revenue Fund
BRENTWOOD	Residents of the City of Brentwood	Residential and commercial waste collection through individual subscription with various private waste haulers operating in city.	Individual subscription.	Not applicable
NOLENSVILLE	Residents of the Town of Nolensville	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city. The county maintains a convenience center in Nolensville.	Private: Individual subscription. County conv. center: Special revenue fund.	Not applicable to individual subscription. Conv. Center through Std. Chart of Accts.
FAIRVIEW	Residents of the City of Fairview	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city. The county maintains a convenience center in Fairview.	Private: Individual subscription. County conv. center: Special revenue fund.	Not applicable to individual subscription. Conv. Center through Std. Chart of Accts.
THOMPSON STATION	Residents of the Town of Thompson Station	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city. The county maintains a convenience center in Thompson Station.	Private: Individual subscription. County conv. center: Special revenue fund.	Not applicable to individual subscription. Conv. Center through Std. Chart of Accts.

## Waste Reduction, Recycling, Compost/Mulch and Diversion Programs

In 1993 Williamson County had recently opened its Material Recovery Facility (MRF) and was just beginning its foray into waste reduction. Today, with the MRF still an integral component to the County's waste reduction efforts, Williamson County operates a wide range of waste reduction programs convenient to its residents as well as to its industrial and commercial community members. These waste reduction programs include source reduction, re-use, recycling, composting and diversion and are summarized in the following paragraphs.

Source Reduction- Williamson County's source reduction programs are being met with great success. The most recent initiative includes an industrial/commercial waste reduction pilot program. In this program members of the commercial/industrial sector are offered the opportunity for a free waste audit, then, once potential waste reduction/recycling opportunities are identified, are offered technical assistance, a waste avoidance analysis and incentives in the implementation of programs to eliminate, reduce or recycle these waste streams. Initial success with this program includes the diversion of approximately 130 tons of cardboard per year.

The office paper recycling program initiated by the county in calendar year 1996 has been operating effectively for the last four years. Waste paper containers are located at each desk of participating companies and these cans are emptied to larger containers at the end of the day or as necessary. The paper collected in this manner is then prepared for processing and marketing by the Williamson County MRF. Because the paper collected by this program is combined with paper dropped off by the schools and other contributors it is not possible to break out the amount of paper collected and recycled through this program.

The County also networks with existing groups such as the schools and master gardeners program and through county operated education program, Williamson Recycles, to provide information to citizens on source reduction efforts that can be made in the home.

Household Hazardous Waste Collection- Williamson County conducts two household hazardous waste collection events per year. These events have some of the highest participation rates in the state. During the last Household Hazardous Waste Collection Event held in Williamson County, the state recorded the highest participation rate ever in the state for this type of event. In 1999 approximately 26.05 tons of household hazardous waste was collected and diverted from disposal in Class I landfills. The county's household hazardous waste collection event conducted in May of 1999 had the highest participation rate on record in the state (2.49%).

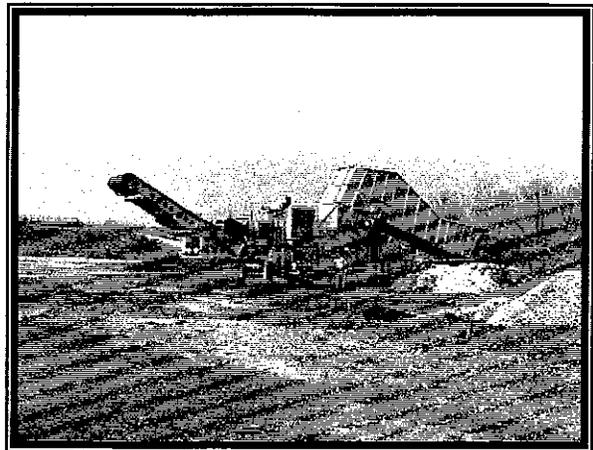
Recycling- Williamson County offers a wide array of recycling programs. As with the county's source reduction programs, these programs have been developed for both Williamson County residents and the commercial/industrial sector. The main cog in the county's recycling efforts is the Williamson County MRF. The MRF provides the processing capability necessary for the convenience center drop-off recyclables collections, the schools office paper, cardboard and phone book recycling program and the commercial/industrial recycling program. In addition to MRF recycling, the county has in the last year initiated a

carpet padding and carpet recycling program. Estimates are that this program is diverting approximately 100 tons per year.

Compost/Mulch – Williamson County has seen at the close of 1999 the successful implementation of its clean woodwaste compost and mulch program. The county is able to handle a broad spectrum of clean woodwaste with the equipment dedicated to this process. In calendar year 1999 diverted for beneficial use approximately 1446.27 tons of material which would have otherwise taken up approximately 6000 cubic yards of air space in the county's class III/IV landfill.



Williamson County Landfill Shear



Williamson County Landfill Shredder

Waste Diversion- In addition to Williamson County's operation of a Class III/IV landfill, some private haulers collect Class III/IV waste which they haul directly to other Class III/IV landfills such as the Waste Management, Inc. Class III/IV landfill in Davidson County, or the Wilson County Class III/IV landfill. Approximately 30,375.96 tons of Class III/IV waste was diverted in 1999 to Williamson County's Class III/IV landfill. Another 1704.83 tons were diverted to other Class III/IV landfills for a total of 33,985.94 tons of material diverted to Class III/IV disposal in 1999. Furthermore, Williamson County diverted approximately 785.01 tons of shredded tires from Class III/IV disposal for use as a fuel replacement for coal at electric utility plants and at pulp mills.

A summary of these programs and the tonnage diverted by these programs in 1999 is summarized in tabular form as follows in Table I-5.

Table I-5 Waste Reduction Programs and Tonnage Reduced or Diverted in Calendar Year 1999

Waste Reduction Programs For Calendar Year 1999	Tonnage
Source Reduction	
Instruction on Waste Reduction in the Home and Yard	Not Quantifiable
Commercial/Industrial Waste Audits and Technical Assistance on Waste Reduction	Not Quantifiable
Waste Diversion Incentives Program	Not Quantifiable
Industrial and Commercial Source Reduction	Not Quantifiable
Recycling	
Residential	
City of Franklin	89.32
Williamson County MRF Recycling, including:	
Convenience Center Drop-off Recyclables Collection	
Individual Industry Recycling	
Commercial/Industrial Office Paper	
School paper/cardboard	10,823.27
School phone book	
Batteries	1,654
Clean Woodwaste Compost and Mulch Program	1,446.27
Household Hazardous Waste Diversion	26.05
Tire Diversion for Energy Recovery	785.01
Class III/IV Waste Diversion From Class I Landfills	
Williamson County Class III/IV Landfill	30,375.96
Southern Services Class III/IV Landfill, Waste Management, Inc. Davidson County	1,704.83
<b>Total Tons Waste Reduced, Recycled or Diverted From Class I Landfill Disposal</b>	<b>46,904.71</b>

## Disposal

In 1993 Williamson County was still operating its own Class I landfill. Today, waste collected within the Williamson County Solid Waste Planning Region which is not reduced, recycled or diverted from Class I landfill disposal is ultimately transferred to Class I landfills out-of region. The majority of the Class I waste passes through the County's transfer station located at the Williamson County landfill site. The County's current contract for transportation and disposal of its Class I MSW is with Waste Management, Inc. Waste collected at the Williamson County transfer station is transported by Waste Management, Inc. to their Class I landfill located in Camden, Tennessee. The remaining waste generated within the county is hauled by private haulers to either the Waste Management Transfer Station in Antioch or the AAA Transfer Station located in Nashville or hauled directly to Class I landfills located in Lewisburg or Murfreesboro. Waste generated and collected within the Region in 1999 for Class I disposal was directed to Class I waste disposal facilities as indicated in Table I-6.

Table I-6 Class I Landfills Utilized for Disposal of Class I Waste Generated Inside the Williamson County Municipal Solid Waste Planning Region for 1999

Facility	County	Tonnage
West Camden, Class I Landfill, Waste Management, Inc.	Benton	62,568.55
Cedar Ridge Class I Landfill, Waste Management, Inc.	Marshall	19,021.17
Middlepoint Landfill, BFI	Rutherford	14,123
<b>Total Tonnage</b>		<b>95,713</b>

A summary of the system wide management of waste generated in Williamson County is presented in Table I-7.



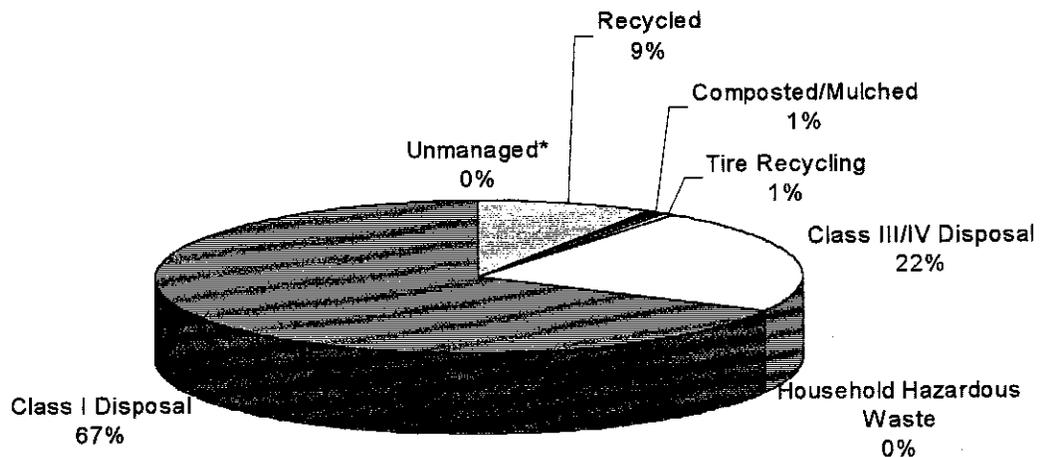
Table I-7 Williamson County Solid Waste Management Methodology For Calendar Year 1999

Waste Management Method	Tons Per Year	%
Reduced	Not Quantifiable	Not included in percentage calculations
Recycled	12,566.59	8.81
Composted/Mulched	1,446.27	1.01
Tire Recycling	785.01	0.55
Class III/IV Disposal	32,080.79	22.49
Household Hazardous Waste	26.05	0.02
Class I Disposal	95,713	67.12
Unmanaged *		
<b>Total</b>	<b>142,617.71</b>	<b>100.0</b>

\* The amount of waste unmanaged is assumed to be insignificant in comparison with other tonnages above. This assumption is based on the lack of complaints regarding illegal waste dumping and by the visual observations of employees of the Williamson County Solid Waste Department.

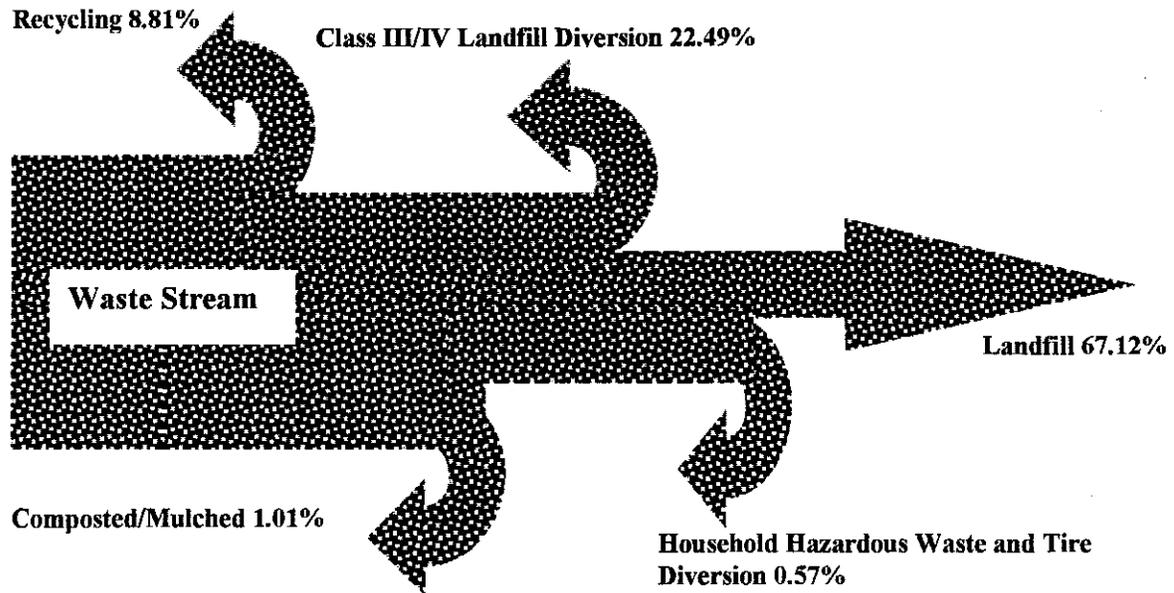
A pie chart representation of this information follows as Figure I-1:

Figure I-1 Pie Chart Representation of Williamson County Waste Management Activities for Calendar Year 1999



A flow diagram of this waste management methodology for calendar year 1999 is shown as Figure I-2.

Figure I-2 Flow Diagram of Current Solid Waste Management Methodology For Williamson County Solid Waste Planning Region



#### Problem Waste Collection

In addition to the programs that Williamson County operates for waste reduction, recycling and diversion from Class I landfills, the county also has in place programs for the collection of problem waste such as used oil, automotive fluids and batteries. In 1999 these programs collected approximately 15,243 gallons (116,152 pounds) of used oil and 1,654 pounds of batteries.

A map showing key solid waste collection center, recycling and composting processing program and disposal facility locations is included as the following Figure I-3.

#### Litter Cleanup

The region does not conduct formal surveys of roadside dumps, however, upon finding a roadside dump or litter problem or having one reported, the Sheriff's Department and the Williamson County Solid Waste department Litter Crew work together to address the problem. The typical response time for cleaning up a roadside dump or a litter problem is less than 48 hours. The Tennessee Highway Patrol Litter Officer serving Williamson County is currently Sergeant Jim Piercey, he can be reached at the main administrative offices of the Tennessee Highway Patrol in Nashville at the following telephone number: (615) 741-3181 Ext. 101. To date these dumps have been few in numbers and minor in extent. If at some





time in the future there is a noticeable increase, the region may devise a system for accounting for these sites.

In addition to the programs described above, Williamson County also has an adopt-a-highway program. Various stretches of road are adopted by various civic, social and religious groups and these groups conduct cleanups of their stretch of road at various times throughout the year.

### Solid Waste Education

Williamson County has one of the most aggressive solid waste education programs in the state. The primary solid waste education program sponsored by the County is Williamson Recycles. This program is responsible for:

- Regular participation each week in thirty minute spots on the local radio station;
- administering the local adopt-a-highway program;
- preparation and materials for presentation and distribution at the Master Gardeners annual meeting;
- semi-annual newsletters;
- preparation of brochures for distribution on recycling, backyard composting, etc.;
- organization, publication and conducting the trees to trails chipping program;
- Publicizing the semi-annual household hazardous waste collection events.

In addition to Williamson Recycles, the county is in the process of establishing a Keep America Beautiful Program.

Another agency within the County, which has long played a role in educating Williamson County citizens about proper waste management, is the Williamson County Sheriff's Department. The Sheriff's department has for years performed the valuable service of educating Williamson County residents about litter. The Sheriff's department has a litter officer which visits class rooms in Williamson County to present anti-litter messages; has exhibits at the County fair on this same topic and visits civic and social organizations to deliver its anti-litter message. In addition, the Sheriff's department is instrumental in enforcement of the county's tarp law.

Other agencies and organizations within the county that provide solid waste education are: Local Scout Troops; 4-H clubs; Master Gardeners Club; and Family Community Education Clubs (FCE Clubs). A summary of all these organizations, their services and the age groups they serve are summarized in the following Table I-8.

Table I-8 List of Solid Waste Education Providers and Description of Programs

Agency	Activity	Youth	Adult	Commercial / Industrial Sector
Williamson County Williamson County Solid Waste Department/ Williamson Recycles	Facilitate the establishment of a Williamson County Keep America Beautiful Program. Work with plant nurseries to promote sales of backyard composting including preparation of publications on how to backyard compost and on the advantages of "grass cycling". Preparation of informational brochures on proper solid waste management and recycling for distribution at convenience centers. Presentations at annual Master Gardeners Workshop on composting and other relevant solid waste management issues. Thirty minute presentation/participation on local weekly radio program for purpose of relevant topic of solid waste management and publicize upcoming events. Conduct programs for U.T. Agriculture Extension Service FCE groups on relevant solid waste management issues. Distribution of coloring/activity books to children on appropriate solid waste management. Team with schools to make available presentations on appropriate solid waste management to every 4 <sup>th</sup> grade class in Williamson County including children who are home schooled.	✓	✓	✓
Sheriff's Department	Presentations on litter abatement to children and civic groups. Enforcement of tarp and litter laws.	✓	✓	

Table I-8 List of Solid Waste Education Providers and Description of Programs, continued.

Agency	Activity	Youth	Adult	Commercial / Industrial Sector
Williamson County Schools and City of Franklin Special School District	Team with County to make available presentations on appropriate solid waste management to every 4 <sup>th</sup> grade class in Williamson County including children who are home schooled. Promote solid waste management and recycling education through paper, cardboard and phone book recycling collection.	✓		
Local Scouts	Development of special merit badge, "Tennessee Looks Good to Me", regarding litter abatement.	✓		
4-H Groups	Team with County to make available presentations on appropriate solid waste management to every 4 <sup>th</sup> grade class in Williamson County including children who are home schooled.	✓		
Master Gardeners	Promotion of backyard composting and grass cycling to homeowners. Team with county on preparation of brochure on mowers which "grass cycle".		✓	
FCE Clubs	Schedule presentations to members on various solid waste management topics.		✓	

## **Proposed Programs and Changes to Waste Management Strategy**

Solid waste management has been and will continue to be a dynamic arena for its players. Successful programs will rely upon flexible strategies that adapt to changes in the field. Even the most carefully crafted ten year plan for managing a region's waste can quickly become outdated if it cannot adjust to the:

- ◆ emergence of innovative technology;
- ◆ opening of new markets and/or the closing of old ones;
- ◆ fluctuations in regional economy; or
- ◆ swings in public perception.

The Williamson County Solid Waste Planning Region has worked hard to project the direction in which the region should move during the next ten year planning horizon as described below. However, the region's officials realize that continued success with solid waste programs is contingent on focusing on the much shorter term in conjunction with flexible programs. Short term planning with conscientious monitoring of existing markets, technologies and trends coupled with flexible programs will allow the region to quickly adapt to fluctuations in the field and take advantage of these turns or cut losses as necessary. Therefore, the proposed programs, facilities and changes described in this section are meant to be a guide or vision for local decision makers as was intended by the Solid Waste Management Act of 1991, and not to be construed as mandates for local decision makers by state agencies.

An implementation schedule for the new and expanded programs, which are planned by the Williamson County Solid Waste Department, is included as Figure I-4.

### Collection

Williamson County's existing network of ten convenience centers more than adequately meets the solid waste collection needs of the county. There are no current outstanding needs with regard to the region's solid waste collection programs. Nor are there any anticipated future outstanding needs with regard to the region's solid waste collection programs. However, in an attempt to further improve convenience and efficiency of the existing solid waste collection system, the county plans the upgrade of two centers this year: the Fairview and Grassland Convenience Centers. Upgrades of these two systems will involve

- 1) Upgrading collection containers,
- 2) Placement of an additional compactor for a total of two at each site,
- 3) Enlarging the concrete pad adjacent to the compactors for user convenience while unloading garbage, and
- 4) Up-dating signage.

The cost associated with these upgrades has already been included in the budget for fiscal year 2000-2001.

# Williamson County Solid Waste Program Implementation Schedule

ACTIVITY	Fiscal Year																					
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Waste Disposal/Landfill Operations																						
Class I Landfill Closed																						
Waste Transfer to Waste Management Landfill, Camden, TN																						
Re-bid Waste Disposal Contract																						
Class II/IV Landfill Opens and Operates																						
Construct and Operate Aerobic Landfill Bioreactor																						
Collection																						
New Convenience Centers Constructed																						
Close Out Unattended Green Box Sites																						
Upgrade Existing Convenience Centers																						
Complete New Transfer Station																						
Create and Operate Adopt-a-Highway Program																						
Waste Reduction Programs																						
Establish Drop-off Recycling at Convenience Centers																						
Establish MRF																						
Rebid MRF Operating Contract *																						
Infinite Carpet/Carpet Padding Recycling Program Operation																						
Clean Wood-waste Recycling Program																						
Waste Tire Recycling Program																						
Office Paper Recycling Program Creation, Operation and Expansion																						
Backyard Composting Program																						
Master Gardeners Program Presentation and Material Preparation for Annual Meeting																						
Phone Book Collection/Recycling																						
Trees-to-Trails (Christmas Tree Chipping Program)																						
Household Hazardous Waste Collection Events																						
Establish School Office Paper Recycling Program																						
Expand School Office Paper Recycling Program County Wide																						
Infinite School Cardboard Recycling Program																						
Infinite Waste Reduction Pilot Program for Commercial and Industrial Establishments																						
Expand Waste Reduction Pilot Program for Commercial and Industrial Establishments																						
Bin Cardboard Disposal in Class I Landfills From County Operated Collection Programs																						
Bin Clean Woodwaste Disposal in Class I Landfills From County Operated Collection Programs																						
Bin Yardwaste Disposal in Class I Landfills From County Operated Collection Programs																						
Expand Clean Woodwaste Recycling Program																						
Expand Class II/IV Metal Recycling Program																						
Expand Class II/IV Landfill Inert Fires Matt Recycling Program (elt daily cover)																						
Solid Waste Education																						
Sheriff's Department Anti-Litter Education																						
School Badge Program																						
Radio Program																						
Speaker and Materials Provided to CFA Groups																						
Literature Preparation for Welcome Packets to New Residents																						
Semi-annual Solid Waste Newsletter																						
Expand Adult Education Program																						
Establish Keep America Beautiful Affiliate in Williamson County																						
Solid Waste Funding																						
Implement User Fees for Solid Waste Management																						
Implement Pay-As-You-Throw																						

\* Original MRF contract term expires in 2002 but contains two one year renewal options.



Other activities planned in calendar year 2000-2001 include the construction of an additional convenience center at the Williamson County Landfill. The cost for construction of this facility has already been included in the budget for fiscal year 2000-2001.

Additionally, Williamson County intends to launch an Adopt-A-Convenience Center Program in calendar year 2000-2001. This program will involve the adoption of each convenience center by some organization within the community in which the convenience center is located. The responsibility of this organization will be beautification of the center.

Upgrades of the remaining seven convenience centers are planned for fiscal years 2001-2002 and 2002-2003. After this time the convenience centers will be put on a three year rotating schedule for maintenance upgrades and/or new equipment upgrades as necessary depending upon any emerging needs with regard to garbage or recyclables collection.

#### Waste Reduction, Recycling, Compost and Mulch, and Diversion Programs

The Williamson County Solid Waste Planning Region **does not have any outstanding current or anticipated future needs** with regard to waste reduction, recycling, compost and mulch, or diversion programs. The Region through implementation of existing programs has made considerable progress toward increasing source reduction, recycling, composting and waste diversion during the last five years. Williamson County has increased waste reduction, diversion and recycling within the region from 0% in 1991 to 34.22% in 1999. It should be noted that this is the documentable waste reduction of the region. This is in direct conflict with the region's failure to meet the 25% waste reduction goal as defined and reported by the state. The state's assessment of the region's progress is based on calculations that use a state-assigned base year waste generation rate for the region significantly lower than the average in the state for regions of similar economic activity. This low base year waste generation rate remains in discussion between the region and the state at the time of this update. Williamson County remains hopeful that a suitable solution can be worked out so that the 25% mandated reduction is reflected accurately in the reduction calculations.

In addition to City and County operated recycling programs within the region, the strong market for some recyclables has no doubt increased recycling efforts among the commercial and industrial sectors as well as the public sector but these efforts are difficult to quantify.

Even though the Williamson County Solid Waste Planning Region is currently reducing, recycling or diverting well over 25% of its waste, the Region is still committed to continue the expansion of its waste reduction programs. Williamson County's officials recognize that the County's high growth rate, coupled with ever increasing Class I waste disposal cost and the associated long term liability of Class I waste disposal, necessitates continued perseverance in enhancing and maximizing practical, economical and environmentally sound waste reduction within the region. In an effort to pursue this as a goal, the Region anticipates the continuation of changes in and/or additions to its waste management programs as outlined in the following paragraphs.

The Cities included within the Williamson County Solid Waste Planning Region, which provide solid waste collection, are the City of Franklin and Spring Hill. The city of Spring Hill anticipates no major changes to its solid waste program during the projected ten-year planning period. The cities of Franklin and Brentwood and Williamson County have begun discussions on ways they might further work together in expanding waste reduction opportunities within the county, however it is premature at this point to say what direction these discussions might take.

Williamson County does anticipate the expansion of some existing programs and the implementation of new programs.

Carpet/ Carpet Padding Recycling- Calendar year 2000 has already seen the addition of carpet and carpet padding recycling to Williamson County's waste reduction programs. The addition of this commodity to the region's recycling program was unanticipated during the previous years. The Williamson County Solid Waste Department will continue to monitor solid waste recycling markets for the developments concerning other waste materials.

Clean Woodwaste- This program began operation in the spring of calendar year 2000. The clean woodwaste composting/much program involves the collection of clean woodwaste, brush, stumps and yardwaste and converting this material through mechanical reduction, screening and composting into marketable products. The clean woodwaste recycling program which started in calendar year 1999 will be expanded in calendar year 2000 as the volume of material received increases. Currently, the clean woodwaste received by this program is mechanically reduced with a shear, fed through a shredder, and pre-screened for separation into a soil amendment pile, a compost pile or a mulch pile depending upon the percent content of fines in the screened material.

All soil amendment material is currently being utilized on site in the establishment of vegetative cover.

Waste Tire Recycling Program- Williamson County officials are satisfied with the county's current waste tire diversion program as described in the previous section titled **Current Waste Management Strategy, Waste Diversion**. The county anticipates no changes to the program currently in place.

Office Paper- The office paper recycling program initiated by the county in calendar year 1996 has been operating effectively for the last four years. With the addition of staff in the last calendar year this program will be more aggressively marketed. Specific businesses will be targeted each year by utilizing Chamber of Commerce information on new and existing business that potentially generate significant quantities of office paper. Appointments will be scheduled with appropriate persons at these businesses to inform them of the advantages and opportunities within Williamson County for office paper recycling and to investigate the potential of working with these businesses to recycle waste paper.

Commercial and Industrial Waste Reduction Pilot Program-Williamson County anticipates expanding the existing commercial and industrial waste collection program as described under the previous section titled Current Waste Management Strategy. Short-term plans for expansion of this program involve targeting three to five businesses annually for waste reduction audits. The results of these audits will determine what containers the county will need to provide for material collection. The county anticipates appropriating funds for the next three fiscal years toward this program. Beyond the next three years revenues from the sale of recovered materials will fund future expansions.

Class III/IV Metals Recycling- Williamson County will begin a metals recycling program from metals pulled out of class III/IV waste received at the county's class III/IV landfill site. This program is scheduled to begin in fiscal year 2000-2001. Metals in class III/IV landfill waste will be recovered in one of two ways. First, when quantities are sufficient, the equipment operator will pull this material out of waste dumped at the working face by a track hoe. Secondly, Class III/IV waste received for processing with the shredder will pass through a series of magnets located on the shredder which will pull out any ferrous metals.

Class III/IV Landfill Fines Recycling- Williamson County Class III/IV landfill personnel are pursuing approval by the TDEC-Division of Solid Waste Management of a pilot program for the use of inert landfill fines screened out of class III/IV landfill waste as alternate daily cover. The inert class III/IV landfill waste will consist of two by fours, shingles, sheet rock, etc. which has been processed by the shredder located at the landfill and then screened.

The class III/IV metals recycling program and the class III/IV landfill fines recycling program are not expected to produce any significant revenues but should provide the county significant savings through the avoided cost of otherwise having to dispose of this material.

## Disposal

The Williamson County Solid Waste Planning Region does not have any outstanding current or anticipated future needs with regard to solid waste disposal programs. As previously described, the County assures adequate disposal capacity through a contractual agreement with a privately operated Class I landfill disposal facility and through the Class I landfill permit which the county holds. This permit is for the development of a Class I landfill on the same tract of land where the county operates the county's Class III/IV landfill. The estimated capacity of this permitted Class I landfill is in excess of 43 years at the county's current waste generation rate. However, the county does not anticipate the development of this landfill during the next ten-year planning horizon. The availability of economical landfill capacity through privately operated landfills is anticipated to continue through the next ten year planning horizon. The schedule for re-bidding these contracts in order to assure that adequate disposal capacity availability is uninterrupted is presented in the attached Figure I-4.

## Solid Waste Financing

The Williamson County Solid Waste Planning Region has identified as a priority the need to place the cost of solid waste management more directly on the user of collection, waste reduction, and disposal services. By promoting the concept of solid waste management as a utility, the county hopes to heighten the public's consciousness with regard to the importance of waste reduction activities. In order to more directly tie public consumption and waste generation habits to the cost of solid waste management, the county is considering the adoption of user-fees in the next two to three years as an intermediate step in the ultimate transition to a pay-as-you-throw revenue generating system. This pay-as-you-throw revenue generation system would ultimately cover all costs associated with solid waste management.

The region is currently debating the use of a tiered system of user fees. The fee charged to users of the system would increase or decrease based on the use of the existing solid waste infrastructure. The current scenario being considered is the following three-rate system:

Those residents utilizing exclusively Convenience Centers for solid waste collection.	Highest Fee Rate
Those residents utilizing a subscription or publicly operated curbside collection program in addition to convenience centers for solid waste collection.	Lower Fee Rate
Those residents with low or fixed income and senior citizens.	Lowest Fee Rate

The Williamson County Solid Waste Department is current charged with collecting information and developing a recommended program for implementation of these user fees. The county anticipates making a decision on the implementation of this program by the later part of calendar year 2002.

## **Region's Compliance with Mandates of the Solid Waste Management Act of 1991**

The Williamson County Solid Waste Planning Region is in compliance with most mandates of the Solid waste Management Act of 1991. A table listing each of these mandates and the region's programs that assures compliance with the Act follows as Table I-6. A survey of the local governments within the region indicates that existing solid waste programs are stable and will continue to operate to attempt to keep the region in compliance with state mandates.

The projected ten-year solid waste budgets for each of the political entities included in the Williamson County Solid Waste Planning Region are included in Chapter 2 as Figures 2-4 through 2-6. Funding sources for solid waste programs have been in place for several years and are anticipated to keep pace with solid waste expenditures.

Table I-9 Current Status of Williamson County Government Programs Mandated By The Solid Waste Management Act of 1991

Twenty-five Percent Waste Reduction Goal

According to the 1999 Annual Solid Waste Progress Report the Williamson County Municipal Solid Waste Planning Region has not achieved a 25% reduction in waste disposed of in Class I landfills over the base year of 1989. This is due entirely to the low base year waste generation rate identified by the State for Williamson County for 1989 when waste generated within the region was not well accounted for. The base year waste generation rate on record for Williamson County during this time period was 0.79436 tons per person per year. This means that in order to meet the 25% waste reduction goal that Williamson County should be disposing of no more than 0.5958 tons per person per year. Based on the average waste generation rates in the state, the waste generation rate for a county with the population of Williamson County should have been closer to 1.1 tons per person per year. With the base year change to 1995 the state proposed an even more unreasonable base year waste generation rate of 0.5764 tons per person per year. Which would require that Williamson County dispose of no more than 0.4323 tons of Class I waste per person per year. In order to correct this situation Williamson County applied for a base year adjustment to a waste generation rate, which is more reflective of the region. The state response to this request was to adjust the 1995 base year waste generation rate to 0.6593 tons per person per year (no more than 0.4945 tons disposed in Class I landfills). The Williamson County Solid Waste Department's position is that the base year waste generation rate assigned to the region by the state is too low, and the region will continue to work with the state to establish a more reasonable rate.

Table I-9 - Current Status of Williamson County Government Programs Mandated By The Solid Waste Management Act of 1991 cont.

County Wide Collection Assurance	Assured through the use of attended convenience center drop-off points maintained by Williamson County Solid Waste Department and available to all residents of county, by City of Franklin House-to-House Collection, by Spring Hill contracted House-to-House collection and by private haulers operating throughout the county.
County Wide Disposal Assurance	Assured through contractual agreements between Williamson County and Waste Management, Inc. and by Williamson County's maintenance of a permit for a Class I landfill should economical solid waste management not be available through the private sector.
Problem Waste Disposal Assurance	Assured through the use of drop-off points maintained by Williamson County.
Recyclable Collection Assurance	Assured through the use of drop-off points maintained by Williamson County.
Solid Waste Education Planning	Provided by Williamson Recycles, Williamson County Solid Waste Department, Williamson County Sheriff's Department; Williamson County Schools; Local Scout Troops; 4-H clubs; Master Gardeners Club; and CFA Clubs.
Full Financial Disclosure and Accountability	Yes
Mandated Planning, Reporting and Record Keeping	Yes
Ten Year Plan	Submitted to State October 1994, Approved March 28, 1995
Annual Reports (Annual Progress Report, Collections Assurance Report, Recyclables Report)	All Annual Solid Waste Reports Submittals up to date.
Five Year Update	Due March 26, 2000



## CHAPTER 2: General Information about the Region

### 1. Region name: Williamson County Municipal Solid Waste Planning Region

Table 2-1 City and County Populations

CITY/TOWN	POPULATION
FRANKLIN	42,300 <sup>a</sup>
BRENTWOOD	24,500 <sup>b</sup>
NOLENSVILLE	2,254 <sup>c</sup>
FAIRVIEW	5,000 <sup>d</sup>
THOMPSON STATION	1,276 <sup>e</sup>
SPRING HILL	3,682 <sup>e</sup>
WILLIAMSON COUNTY REMAINDER	44,781 <sup>f</sup>
<b>Total</b>	<b>123,793<sup>e</sup></b>

a Based on December 31, 1999 estimate. Developed from special census taken in April 1999 and adjusted for dwelling units and occupancy rates.

b 1999 Estimate based on last census data adjusted for dwelling units and occupancy rates.

c Based on special census in March of 1999.

d 1999 Estimate provided by officials of Fairview.

e Data procured from Williamson County Chamber of Commerce based on Estimate for 1998.

f Estimate based on difference between total city populations and county total population.

g U.S. Census estimate for July 1, 1999

#### Counties in Region:

Williamson County is the only county in this region.

### 2. The total population of the region for calendar year 1999 was:

The total population for the region for 1999 was 123,793 according to the U.S. Census Bureau.

### 3. Regional Board Chairperson:

**Judy Hayes**  
**Title:** Representative of Williamson County  
**Address:** 1775 Pope's Chapel Rd.  
Franklin, TN 37064  
**Phone:** (615) 794-5380

A complete list of the board members, their addresses, the entity they represent and their terms is included in Appendix A. The Regional Solid Waste Planning Board is comprised of five members. These five members as defined in the region's formative resolution represent the following jurisdictions: four members represent Williamson County and one member represents the City of Franklin.

#### **4. Part 9 Solid Waste Authority**

This region has not formed a Solid Waste Authority.

#### **5. Contacts For Solid Waste Information Regarding Davidson County Solid Waste Planning Region:**

**Name:** Lewis Bumpus  
**Title:** Director – Williamson County Solid Waste  
**Address:** 5750 Pinewood Rd., Franklin, TN 37064-9366  
**Phone:** (615) 790-0742

**Name:** Carolyn Gallagher  
**Title:** Recycling Coordinator- Williamson County Solid Waste  
**Address:** 420 Century Court., Franklin, TN 37064  
**Phone:** (615) 790-5848

**Name:** Nancy Dirube  
**Title:** Waste Reduction Administrator- Williamson County Solid Waste  
**Address:** 5750 Pinewood Rd., Franklin, TN 37064-9366  
**Phone:** (615) 790-3701

#### **6. Activity Of Solid Waste Board:**

The Williamson County Regional Solid Waste Planning Board is scheduled to meet once per month unless there is insufficient business to warrant a meeting. The regional solid waste planning board is comprised of five members. Williamson County appoints four members to the board and the City of Franklin appoints one. A list of these board members, their addresses, the entity they represent and their terms is included in Appendix I. In addition to board members, various members of the Department of Solid Waste attend the board meetings. The Director of Solid Waste generally serves as technical secretary to the board. Other members of the Department of Solid Waste assist in information gathering and reporting to the board on solid waste management issues relating to the region. Members of the audience at these meetings may consist of various interested parties inside and outside of local government. Parties outside of local government may include consultants, vendors, environmental groups and interested citizens. Generally time is reserved at the end of each meeting for members of the audience to comment if they wish.

The board reviews and approves each Regional Solid Waste Plan Annual Report and any updates to the Plan prior to its being submitted to the state. Generally, these plans are submitted in a timely manner. The Regional Solid Waste Planning Board is also aware that the Solid Waste Management Act requires that the board reviews and approved each permit for proposed new solid waste facilities prior to permit review by the state. The following steps as outlined by the TDEC-Division of Community Assistance are necessary regarding permit review by the Regional Solid Waste Board.



Williamson County Regional Solid Waste Planning Board Members and Staff

**Permit Review by Regional Solid Waste Boards  
Per the Solid Waste Management Act [T.C.A. 68-211-814(b)(1)(D)]**

1. The applicant must apply (in writing as he would to the Division of Solid Waste Management) to the Regional Solid Waste Board at or before the time the application process for technical review is initiated with the Division of Solid Waste Management.
2. Next, if the application is in order and the applicant wants to continue, the board must hold a public hearing with proper notice and a written record of the proceedings.

3. When the Board votes on the application, they are not expected to examine the proposal for technical merit. They are expected to compare the project with the financial needs and disposal plans described in the Region's approved ten year plan and determine if the application is consistent with and/or complementary to the plan's vision for the region.
4. The regional board has 90 days after the receipt of an application to make a decision. Once a decision is made, it must be communicated in writing to the Commissioner of Environment and Conservation Milton H. Hamilton, and cc: to Mike Apple (Director of Solid Waste Management) and Ron Graham (Director of Community Assistance).
5. A decision by the Region may be appealed in the Davidson (regardless of county board represents) County Chancery Court.

## **7. Region Formation And Structure**

The Williamson County Solid Waste Planning Region was formed to develop a regional solid waste management plan. Solid waste management issues at this time were very complex and controversial. Williamson County Officials determined at the time of region formation that Williamson County would form a single county region. County government officials felt that the continued progress and continuity of existing and planned solid waste management programs established and planned for the residents of Williamson County could best be achieved by continuing to plan as a single county region.

The problems associated with providing solid waste management in a manner that is acceptable to all interested groups in a cost effective and environmentally sound manner are still very complex and challenging. Williamson County Officials are satisfied with the status of Williamson County as a single county planning region.

## **8. Municipalities Providing Collection Services In Region**

Table 2-2 lists the type of collection services available in each of the jurisdictions within Williamson County. A review of this table will show that the only jurisdictions within the Williamson County Municipal Solid waste Planning Region which provide solid waste collection services are Williamson County, The City of Franklin and the City of Spring Hill.

Table 2-2 List of Municipalities in Williamson County Municipal Solid Waste Planning Region with a Description of the Municipal Solid Waste Collection Service Available

CITY/TOWN	Service Recipient	SERVICE PROVIDED	HOW FINANCED	ACCOUNTING
WILLIAMSON COUNTY	All residents of the County	Convenience Center Collection of residential refuse, recyclables, demolition/ construction debris, and used oil. Private haulers operating throughout the county on an individual subscription basis.	Paid out of Special Revenue Fund	Standard Chart of Accounts for County Government
FRANKLIN	Residents of the City of Franklin	Once per week curbside collection by city employees and equipment.	Paid for through utility bill collection.	Special Revenue Fund
SPRING HILL	Residents of the City of Spring Hill	Contracted curbside collection once per week.	Paid for through utility bill collection.	Special Revenue Fund
BRENTWOOD	Residents of the City of Brentwood	Residential and commercial waste collection through individual subscription with various private waste hauling companies operating in city.	Individual subscription	Not Applicable
NOLENSVILLE	Residents of the Town of Nolensville	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city. The county has a convenience center in Nolensville.	Private: Individual subscription. County conv. center: Special revenue fund.	Not applicable to individual subscription. Conv. Center through Std Chart of Accts.
FAIRVIEW	Residents of the City of Fairview	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city. The county has a convenience center in Fairview.	Private: Individual subscription. County conv. center: Special revenue fund.	Not applicable to individual subscription. Conv. Center through Std Chart of Accts.
THOMPSON STATION	Residents of the Town of Thompson Station	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city. The county has a convenience center in Thompson Station.	Private: Individual subscription. County conv. center: Special revenue fund.	Not applicable to individual subscription. Conv. Center through Std Chart of Accts.

A list of the county and cities providing collection services to their residents with their respective populations follows as Table 2-2

Table 2-3 Municipalities within the Williamson County Municipal Solid Waste Planning Region That Provide Municipal Solid Waste Collection

CITY/TOWN	POPULATION
CITY OF FRANKLIN	42,300 <sup>a</sup>
CITY OF SPRING HILL	24,500 <sup>b</sup>
WILLIAMSON COUNTY	123,793 <sup>c</sup>

<sup>a</sup> Based on December 31, 1999 estimate. Developed from special census taken in April 1999 and adjusted for dwelling units and occupancy rates.

<sup>b</sup> Data procured from Williamson County Chamber of Commerce based on Estimate for 1998.

<sup>c</sup> Estimate based on difference between total city populations and county total population.

## 9. Geographic And Demographic Description Of The Region:

The Williamson County Solid Waste Planning Region comprises over 584 square miles in central Tennessee. It is located to the southwest and adjacent to Metropolitan Nashville-Davidson County, the state's capital. It is generally divided between the physiographic provinces known as the Eastern Highland Rim and the Outer Central Basin. A small portion of the county in the east lies within the Inner Central Basin. Each of these three physiographic provinces lies within the eco-region known as the Interior Plateau. The rock type in this eco-region is generally non-cherty Ordovician limestone bedrock. The higher hills and knobs are capped by the more cherty Mississippian-age formations, and some Devonian-age Chattanooga shale. The region's limestone rocks and soils are high in phosphorus. Deciduous forests with pasture and cropland are typically the dominant land covers in non-urban areas. Streams are low to moderate gradient, with productive, nutrient rich waters.

The main centers of commercial activity are Franklin and Brentwood. Franklin is also the seat of the region's County Government. Other municipalities in the region listed in order of size are the City of Spring Hill; City of Fairview; Town of Nolensville; and Town of Thompson Station. The major employers in the region are the state and local government. The region has a diverse economic base and a relatively stable population of approximately 123,793 persons. Two major interstates pass through portions of the county.

## 10. Solid Waste Service Fee:

The region does not impose any solid waste fee on the residents of the region as defined by T.C.A. 68-211-835 (g)(1).

**11. Public Funding Costs and Revenues:**

The following tables summarize the cost and revenues involved in the public funding for solid waste programs and expenses in the region. The current funding scheme for these jurisdictions is satisfactory. Solid waste expenditures are currently being met by the existing revenue streams.

Table 2-4 FY 1999-2000 Budget and Revenue Summary for Jurisdictions in the Williamson County Solid Waste Planning Region Other Than Williamson County

Expenditure	Jurisdiction	City of Spring Hill
Collection, Recycling, Disposal	City of Franklin	\$277,000
		\$3,289,675
<b>Total Expenditures</b>		<b>\$3,289,675</b>
<b>Revenues</b>		
General Fund Allocations		\$2,800,000
User Fees		\$ 489,675
<b>Total Revenues</b>		<b>\$3,289,675</b>

Table 2-5 Budget and Revenue Summary for Williamson County

<b>Revenues FY:</b>	<b>1999-2000</b>
Class I Tipping Fees	\$600,000
Class III/IV Tipping Fees	\$200,000
Clean Woodwaste Tipping Fees	\$50,000
State Tire Grant	\$48,000
Sale of Metal Recyclables	\$52,000
General Fund Transfer	\$7,861,787
<b>Total Revenues</b>	<b>\$8,811,787</b>
<b>Expenditures FY:</b>	
<b>Class I Landfill Budget:</b>	
Salary	\$445,646
Fringe Benefits	\$153,000
Contractual Services	\$1,054,634
Supplies	\$114,300
Insurance	\$189,500
Interest	\$682,000
Capital Outlay	\$3,725,000
Total	\$6,364,080
<b>Williamson Recycles Budget</b>	
Salary	\$124,896
Fringe Benefits	\$42,877
Contractual Services	\$54,686
Supplies	\$4,200
Insurance	\$30,000
Interest	\$115,000
Capital Outlay	\$46,700
Total	\$418,359
<b>Convenience Center Budget</b>	
Salary	\$525,769
Fringe Benefits	\$151,350
Contractual Services	\$353,187
Supplies	\$74,842
Insurance	\$488,500
Interest	\$30,000
Capital Outlay	\$405,700
Total	\$2,029,348
<b>Grand Total Expenditures</b>	<b>\$8,811,787</b>

The current public funding mechanisms utilized by the jurisdictions within the region are satisfactory. Revenues continue to meet expenditures associated with solid waste management. No new fees or revenue streams are required, however, Williamson County anticipates transitioning to user fees and then to pay-as-you-throw to replace appropriations from the county's general fund during the next ten year planning period. The schedule for making this transition can be seen in the Region's ten-year implementation schedule included as Figure I-2. This transition is being made to facilitate waste reduction education efforts within the county.

## **12. Uniform Accounting Methods For Each City And County Requirement:**

Each municipality in the region continues to be in compliance with the financial accounting requirements of the Solid Waste Management Act. The cities of Franklin and Spring Hill, which provide solid waste collection services, account for solid waste collection activities in a special revenue fund. Williamson County continues to use the Standard Chart of Accounts for County Government with solid waste costs accounted for in a Special Revenue Fund.

## **13. Proposed Ten Year Solid Waste Budget for Region**

Figures 2-6 and 2-7 present the ten year solid waste budgets for political entities within the region which offer solid waste collection and/or disposal services. Figure 2-8 is a composite budget table for revenues and expenditures for the entire Region.

Table 2-7 continued  
Williamson County Revenues

	Fiscal Year		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011			
Grand Total Solid Waste Expenditures	\$	8,811,787	\$	6,958,973	\$	7,455,017	\$	9,302,143	\$	8,103,993	\$	8,508,563	\$	9,380,891	\$	9,849,725	\$	10,342,211	\$	10,859,322	\$	11,402,288		
Description of Revenue																								
Streams		1999-2000		2000-2001		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011
Class I Tipping Fees	\$	600,000	\$	630,000	\$	661,500	\$	694,575	\$	729,304	\$	765,769	\$	804,057	\$	844,260	\$	886,473	\$	930,797	\$	977,337	\$	1,026,204
Class II/IV Tipping Fees	\$	200,000	\$	210,000	\$	220,500	\$	231,525	\$	243,101	\$	255,256	\$	268,019	\$	281,420	\$	295,491	\$	310,286	\$	325,779	\$	342,068
Clean Wood Waste Tipping Fees	\$	50,000	\$	52,500	\$	55,125	\$	57,881	\$	60,775	\$	63,814	\$	67,005	\$	70,355	\$	73,873	\$	77,569	\$	81,445	\$	85,517
Tire Grants	\$	48,000	\$	48,000	\$	48,000	\$	48,000	\$	48,000	\$	48,000	\$	48,000	\$	48,000	\$	48,000	\$	48,000	\$	48,000	\$	48,000
Metals	\$	52,000	\$	54,600	\$	57,330	\$	60,197	\$	63,206	\$	66,367	\$	69,685	\$	73,169	\$	76,828	\$	80,669	\$	84,703	\$	88,938
County General Fund Contributions	\$	7,861,787	\$	5,963,873	\$	6,412,592	\$	8,209,955	\$	6,989,007	\$	7,309,357	\$	8,063,488	\$	8,469,060	\$	8,894,913	\$	9,342,059	\$	9,811,562	\$	10,342,288
User Fees																								
Pay-As-You-Throw																								
<b>Total Revenues</b>	\$	8,811,787	\$	6,958,973	\$	7,455,017	\$	9,302,143	\$	8,103,993	\$	8,508,563	\$	9,380,891	\$	9,849,725	\$	10,342,211	\$	10,859,322	\$	11,402,288	\$	11,953,576

Table 2-8 Composite Budget and Revenue Projections for all Jurisdictions in the Williamson County Municipal Solid Waste Planning Region

City of Franklin												
	Fiscal Year											
	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
Expenditures												
Recycling	\$ 20,000	\$ 80,000	\$ 84,000	\$ 88,200	\$ 92,810	\$ 97,241	\$ 102,103	\$ 107,208	\$ 112,568	\$ 118,196	\$ 124,106	
Collection and Disposal	\$ 3,269,675	\$ 3,493,159	\$ 3,604,817	\$ 3,785,058	\$ 3,974,310	\$ 4,173,026	\$ 4,381,677	\$ 4,600,761	\$ 4,830,799	\$ 5,072,339	\$ 5,325,956	
Total Expenditures	\$ 3,289,675	\$ 3,513,159	\$ 3,688,817	\$ 3,873,258	\$ 4,066,920	\$ 4,270,266	\$ 4,483,780	\$ 4,707,969	\$ 4,943,367	\$ 5,190,536	\$ 5,450,062	
Total Revenues	\$ 3,289,675	\$ 3,513,159	\$ 3,688,817	\$ 3,873,258	\$ 4,066,920	\$ 4,270,266	\$ 4,483,780	\$ 4,707,969	\$ 4,943,367	\$ 5,190,536	\$ 5,450,062	
City of Spring Hill												
	Fiscal Year											
	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
Expenditures- Collection and Disposal	\$ 277,000	\$ 309,300	\$ 341,600	\$ 373,900	\$ 406,200	\$ 438,500	\$ 470,800	\$ 503,100	\$ 535,400	\$ 567,700	\$ 600,000	\$ 632,300
Total Revenues	\$ 277,000	\$ 309,300	\$ 341,600	\$ 373,900	\$ 406,200	\$ 438,500	\$ 470,800	\$ 503,100	\$ 535,400	\$ 567,700	\$ 600,000	\$ 632,300
Williamson County Expenditures												
	Fiscal Year											
	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
Williamson County Grand Total Solid Waste Expenditures	\$ 8,811,787	\$ 6,958,973	\$ 7,455,017	\$ 9,302,143	\$ 8,103,393	\$ 8,508,563	\$ 8,933,991	\$ 9,380,691	\$ 9,849,725	\$ 10,342,211	\$ 10,859,322	\$ 11,402,288
Williamson County Grand Total Solid Waste Revenues	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787	\$ 8,811,787
Region Total												
	Fiscal Year											
	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
Region Total Description	\$ 9,088,787	\$ 10,557,948	\$ 11,309,776	\$ 13,864,859	\$ 12,382,951	\$ 13,013,983	\$ 13,675,057	\$ 14,367,570	\$ 15,093,094	\$ 15,853,279	\$ 16,649,857	\$ 17,484,550
Region Total Solid Waste Expenditures	\$ 9,088,787	\$ 12,410,762	\$ 12,666,546	\$ 12,874,504	\$ 13,091,245	\$ 13,317,208	\$ 13,552,954	\$ 13,798,667	\$ 14,055,156	\$ 14,322,854	\$ 14,602,323	\$ 14,894,150
Region Total Solid Waste Revenues	\$ 9,088,787	\$ 12,410,762	\$ 12,666,546	\$ 12,874,504	\$ 13,091,245	\$ 13,317,208	\$ 13,552,954	\$ 13,798,667	\$ 14,055,156	\$ 14,322,854	\$ 14,602,323	\$ 14,894,150

Solid Waste Budgets Contacts:

Table 2-9 Solid Waste Budget Contacts for Each Political Entity Within the Williamson County Solid Waste Planning Region

CITY/TOWN	SOLID WASTE BUDGET CONTACT
WILLIAMSON COUNTY GOVERNMENT	<b>Name:</b> Lewis Bumpus <b>Title:</b> Director – Williamson County Solid Waste <b>Phone:</b> (615) 790-0742
CITY OF FRANKLIN	<b>Name:</b> Joe Williams <b>Title:</b> Solid Waste Director <b>Phone:</b> (615) 794-1516
CITY OF BRENTWOOD	<b>Name:</b> Carson Swinford <b>Title:</b> Acting Finance Director <b>Phone:</b> (615) 371-0060
TOWN OF NOLENSVILLE	<b>Name:</b> Cindy Lancaster <b>Title:</b> Town Clerk <b>Phone:</b> (615) 776-3633
CITY OF FAIRVIEW	<b>Name:</b> Shirley Forehand <b>Title:</b> Interim City Manager <b>Phone:</b> (615) 799-2484 Ext. 810
TOWN OF THOMPSON STATION	<b>Name:</b> Cherry Jackson <b>Title:</b> Mayor <b>Phone:</b> (615) 794-6978
CITY OF SPRING HILL	<b>Name:</b> June Quirk <b>Title:</b> City Recorder <b>Phone:</b> (615) 486-2252 Ext. 204

## CHAPTER 3: Waste Streams

### 1. 1999 Solid Waste Generation

Table 3-1 Solid Waste Generated Within the Region and Disposed of In Class I Landfills or MSW Incinerators

Source Of Information	Tonnage
West Camden Class I Landfill, WMI	62,568.55
Cedar Ridge Class I Landfill, WMI	19,021.17
Middlepoint Class I Landfill, BFI	14,123
<b>Total</b>	<b>95,713</b>

### 2. Solid Waste Distribution by Source

Table 3-2 Solid Waste Percentage Distribution \*

CLASSIFICATION	PERCENT OF TOTAL
RESIDENTIAL	23
COMMERCIAL	29
INDUSTRIAL	29
INSTITUTIONAL	19
OTHER	0
<b>TOTAL</b>	<b>100 %</b>

\*This distribution is based on national percentages for waste according to source. Source of information is EPA contracted study.

### 3. Estimates Of Specific Types of Wastes Generated In The Region

Table 3-3 Percentages of Specific Wastes

CATEGORY	AMOUNT	PERCENT ESTIMATE
RECYCLABLES	12,566.59	8.81
YARD WASTE AND CLEAN WOOD WASTE	1,446.27	1.01
TIRES	785.01	0.55
HOUSEHOLD HAZARDOUS WASTE	26.05	0.02
WHITE GOODS *		
CONSTRUCTION/DEMOLITION WASTE	32,080.79	22.49
WASTE DISPOSED	95,713	67.12
<b>TOTAL</b>	<b>142,617.71</b>	<b>100</b>

\*This material is accounted for in the recycling totals.

#### 4. Amount Of Waste Reduced and/or Diverted From The Total Generated Waste Stream

Table 3-4 Waste Not Disposed Of In Class I Landfills or Incinerators

ITEM	TONS
Source Reduction	Not Quantifiable
Recycling	12,566.59
Composting	1,446.27
Diversion	32,891.85
Unmanaged Waste*	0
<b>Total</b>	<b>46,904.71</b>

\* The amount of waste is assumed to be insignificant in comparison with other tonnages above. This assumption is based on the lack of complaints on waste dumping and by the visual observations of employees of the Williamson County Solid Waste Department.

Table 3-5 Waste Stream by Management Option for 1999

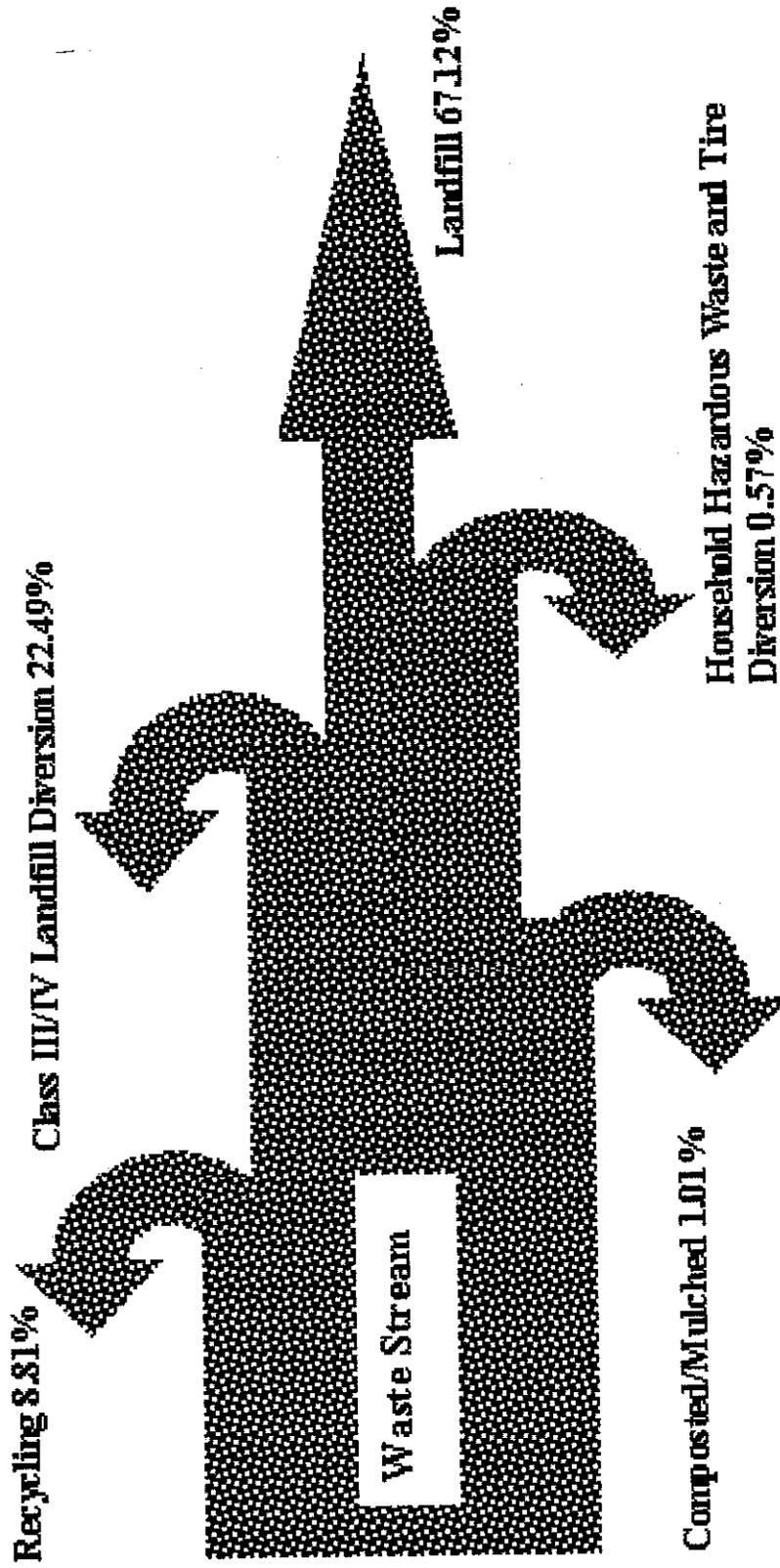
ITEM	TONS	% OF TOTAL WASTE STREAM
Source Reduction*	Not Quantifiable	—————
Recycling**	12,566.59	8.81
Composting**	1,446.27	1.01
Diversion (Tires and Household Hazardous Waste)**	811.06	0.57
Class III/IV Disposal**	32,080.85	22.49
Class I Disposal**	95,713	67.12
Unmanaged Waste***	0	0
<b>Total</b>	<b>142,617.71</b>	<b>100</b>

\* Source reduction at the commercial and industrial level is not quantifiable at this time, so it has not been included in calculations for percent waste reduction of total waste stream.

\*\* These figures are based on actual tonnages received or those provided by facility operators. Table I-4 lists the programs and facilities, which provided the data, used to develop these estimates.

\*\*\* The amount of waste is assumed to be insignificant. This assumption is based on the lack of complaints on waste dumping and by the visual observations of employees of the Williamson County Solid Waste Department.

Figure 3-1 Flow Diagram of Current Solid Waste Management Methodology For Williamson County MSW Planning Region



## **5. Regional Demographic Trends:**

Population growth for the area is estimated to have increased by 52.8% from the 1990 census until the year 1999. No significant change in the population growth rate is anticipated over the planning period. Williamson County has a diverse and stable economy, is conveniently located to a major hub of the southeastern United States of America (Nashville) and has many amenities, which contribute to the high quality of life experienced by its residents. Williamson County's high growth rate is expected to continue for the duration of the ten-year planning period.

## **6. Regional Economic Conditions:**

Williamson County and the cities included in the planning region have a diverse and stable economy. The largest non-governmental employers are Cool Springs Galleria; Primus Financial Services; and COMDATA.

Unemployment for Williamson County was at 1.6% for the month of December. The state's unemployment rate for the same period was 3.7%.

## **7. Top Contributors To Overall Waste Stream Generated:**

See Following Table 3-6 for the top contributors to the overall waste stream generated in the region.

Table 3-6 Top Contributors to Overall Waste Stream

Name	Address	Phone	No. Employees	Type of Waste	Estimated Amount Contributed in %
Williamson County School District	1320 West Main St. Franklin, TN 37064	(615) 595-4700	2,500 employees 19,120 students	Institutional	1-2%
Franklin Special School District	507 new highway 96 West Franklin, TN 37064	(615) 794-6624	550 employees 3,800 students	Institutional	Less than 1%
Cool Springs Galleria	1800 Galleria Blvd. Brentwood, TN 37067	(615) 771-2050	3,500 employees	Commercial	Less than 1%
Primus Financial Services	9009 Carothers Pky. Franklin, TN 37068-0020	(615) 315-7900	1,600 employees	Office Waste	Less than 1%
Comdata Holdings Corporation	5301 Maryland Way Franklin, TN 37064	(615) 370-7000	1,200 employees	Office Waste	Less than 1%
Service Merchandise Co, Inc. Headquarters	Service Merchandise Blvd. Brentwood, TN 37027	(615) 660-7350	900 employees	Office Waste	Less than 1%
Bell South Data Center	402 Franklin Rd. 37027	(615) 373-0932	662 employees	Office Waste	Less than 1%
CPS Corporation	1715 Columbia Ave. Franklin, TN 37064	(615) 794-8000	650 employees	Gift Wrap and Ribbon	Less than 1%
Williamson Medical Center	I-65 and Hwy. 96 E Franklin, TN 37064	(615) 791-0500	600 employees	Institutional	Less than 1%
Orchid International	100 Winner's Circle 37027	(615) 661-4300	450 employees	Metal Stamping	Less than 1%
LASKO Metal Products	300 Confederate Dr. Franklin, TN 37064	(615) 794-2531	430 employees	Metal Fans and Heaters	Less than 1%
LDM Technologies, Inc.	309 Eddy Ln. Franklin, TN 37064	(615) 794-1573	400 employees	Plastic Auto Parts by Injection Molding	Less than 1%
France Manufacturing	726 Fairview Blvd. West Fairview, TN 37062	(615) 799-0551	350 employees	Ballast and Transformers	Less than 1%
APCOM Inc.	125 Southeast Pky. Franklin, TN 37064	(615) 591-7653	330 employees	Water Heater Elements	Less than 1%
Georgia Boots and Shoes	1810 Columbia Ave. Franklin, TN 37064	(615) 794-1556	289 employees	Boots and Shoes	Less than 1%
Telco	1870 General George Patton Dr. 37067	(615) 377-9910	250 employees	Telecommunication Equipment	Less than 1%

Source: Williamson County Chamber of Commerce: (615) 794-1225

## **8. Clean Up And Litter Prevention Programs:**

Carolyn Gallagher  
Recycling Coordinator- Williamson County Solid Waste  
Phone: (615) 790-5848

Litter Clean-up Programs- See description of litter clean-up program in Chapter I, section titled Current Waste Management Strategy, Paragraphs identified as Litter Clean-up.

Litter Prevention- See description of litter prevention programs in Chapter I, section titled Current Waste Management Strategy, paragraphs identified as Solid Waste Education and Table I-4 which summarizes these programs.

## **9. The 25% Waste Reduction And Diversion Goal: Comment On The Economic Growth Adjustment Formula**

The use of an economic growth adjustment formula could prove to be of some benefit for the Williamson County Solid Waste Planning Region once a realistic base year waste generation rate has been established. Williamson County's base year waste generation rate has been set by the State at an average significantly below that which a region of the economic and growth history would expect to be assigned. In the absence of detailed records, therefore, the very real achievements of Williamson County's waste reduction programs are not reflected in the overall calculations. Williamson County is a significant commerce center in the middle Tennessee area and could more fairly account for waste reduction in the region with the application of this type of formula. However, a more thorough review of the formula in conjunction with accurate base year waste generation data for the region would be required before any definite opinion could be formed.

## **10 Effects Of 1995 Base Year And 2003 Goal Year For 25% Waste Reduction And Diversion Goal**

The new base year generation rate assigned by the state for the Williamson County MSW Planning Region is even lower than Williamson County's original base year waste generation number. Unless the state reconsiders and approves this number to be adjusted to reflect the true waste generation rate within the region and take into account existing waste reduction efforts, the region's waste reduction efforts will continue to be underestimated and underreported. This has the potential to confuse the public and local decision-makers in planning for future waste reduction programs. The region has a large and diverse economy and should be allowed by the state to establish a base year waste generation rate, which is more reflective of the region's economic profile.

## 11. Current Reduction And Diversion Programs:

In 1993 Williamson County had recently opened its MRF and was just beginning its foray into waste reduction. Today, with the MRF still an integral component to the County's waste reduction efforts, Williamson County operates a wide range of waste reduction programs convenient to its residents as well as to its industrial and commercial community members. These waste reduction programs include source reduction, re-use, recycling, composting and diversion and are summarized in the following paragraphs.

Source Reduction- Williamson County's source reduction programs are being met with great success. The most recent initiative includes an industrial/commercial waste reduction pilot program. In this program, members of the commercial/industrial sector are offered the opportunity for a free waste audit, then, once potential waste reduction/recycling opportunities are identified, are offered technical assistance, a waste avoidance analysis and incentives in the implementation of programs to eliminate, reduce or recycle these waste streams. Initial success with this program includes the diversion of approximately 130 tons of cardboard per year. The County also networks with existing groups such as the schools and master gardeners program and through county operated education program, Williamson Recycles, to provide information to citizens on source reduction efforts that can be made in the home.

Household Hazardous Waste Collection- Williamson County conducts two household hazardous waste collection events per year. These events have some of the highest participation rates in the state. During the last Household Hazardous Waste Collection Event held in Williamson County, the state recorded the highest participation rate ever in the state for this type of event. In 1999 approximately 26.05 tons of household hazardous waste was collected and diverted from disposal in Class I landfills. The county's household hazardous waste collection event conducted in May of 1999 had the highest participation rate on record in the state (2.49%).

Recycling- Williamson County offers a wide array of recycling programs. As with the county's source reduction programs, these programs have been developed for both Williamson County residents and the commercial/industrial sector. The main cog in the county's recycling efforts is the Williamson County MRF. The MRF provides the processing capability necessary for the convenience center drop-off recyclables collections, the schools office paper, cardboard and phone book recycling program and the commercial/industrial recycling program. In addition to MRF recycling, the county has in the last year initiated a carpet padding and carpet recycling program. Estimates are that this program is diverting approximately 100 tons per year.

Compost/Mulch - Williamson County has seen at the close of 1999 the successful implementation of its clean woodwaste compost and mulch program. The county is able to handle a broad spectrum of clean woodwaste with the equipment dedicated to this process and in calendar year 1999 diverted for beneficial use approximately 1446.27 tons of material

which would have otherwise taken up approximately 6000 cubic yards of air space in the county's class III/IV landfill.

Waste Diversion- In addition to Williamson County's operation of a Class III/IV landfill, some private haulers collect Class III/IV waste which they haul directly to other Class III/IV landfills such as the Waste Management, Inc. Class III/IV landfill in Davidson County, or the Wilson County Class III/IV landfill. Approximately 30,375.96 tons of Class III/IV waste was diverted in 1999 to Williamson County's Class III/IV landfill. Another 1704.83 tons were diverted to other Class III/IV landfills for a total of 33,985.94 tons of material diverted to Class III/IV disposal in 1999. Furthermore, Williamson County diverted approximately 785.01 tons of shredded tires from Class III/IV disposal for use as a fuel replacement for coal at electric utility plants and at pulp mills

A summary of these programs and the tonnage diverted by these programs in 1999 is summarized in tabular form as follows in Table I-4.

Table I-4 Waste Reduction Programs and Tonnage Reduced or Diverted in Calendar Year 1999

Waste Reduction Programs For Calendar Year 1999	Tonnage
Source Reduction	
Instruction on Waste Reduction in the Home and Yard	Not Quantifiable
Commercial/Industrial Waste Audits and Technical Assistance on Waste Reduction	Not Quantifiable
Waste Diversion Incentives Program	Not Quantifiable
Industrial and Commercial Source Reduction	Not Quantifiable
Recycling	
Residential	
City of Franklin	89.32
Williamson County MRF Recycling, including:	
Convenience Center Drop-off Recyclables Collection	
Individual Industry Recycling	
Commercial/Industrial Office Paper	
School paper/cardboard	10,823.27
School phone book	1,654
Batteries	1,446.27
Clean Woodwaste Compost and Mulch Program	26.05
Household Hazardous Waste Diversion	785.01
Tire Diversion for Energy Recovery	
Class III/IV Waste Diversion From Class I Landfills	
Williamson County Class III/IV Landfill	30,375.96
Southern Services Class III/IV Landfill, Waste Management, Inc., Davidson County	1,704.83
<b>Total Tons Waste Reduced, Recycled or Diverted From Class I Landfill Disposal</b>	<b>46,904.71</b>

Table 3-7 Summary of Williamson County Waste Reduction and Diversion Programs

<b>Current Program</b>	<b>Relative Success Level</b>	<b>Funding and Revenues</b>
Commercial and Industrial Source Reduction Program	The commercial and industrial source reduction program initiated by Williamson County in the early part of this year has the potential for eliminating waste from the waste stream at the lowest cost. This program will be pursued more aggressively in this and the coming years. Initial success with this program indicates that approximately 130 tons per year of cardboard will be diverted from Class I landfill disposal this year.	This program is being funded by the county for the first three years after that the revenues from the sale of collected material is anticipated to cover the cost of operation and continued expansion of the program.
Commercial Office Paper Waste Reduction Program	This program has met with great success and the county is in the process of expanding it to serve even more business in the Williamson County region over the next few years. Because the paper collected by this program is combined with paper dropped of by the schools and other contributors it is not possible to break out the amount of paper collected and recycled through this program.	The material collected through this program is collected and processed by the Williamson County MRF contractor. Funding for the program is covered to some extent by the contractual payment that the county makes toward operation of the MRF. Revenues realized form the marketing of this material are retained by the MRF contractor.
Drop-off Recycling Program	This has been a very successful and cost effective program. One of the major advantages of the recyclable drop off program is its accessibility to all residents of the area. The amount of waste diverted by this program is combined with other materials carried to the Williamson County MRF directly and so is accounted for in an aggregated total with other recyclables.	The approximate cost for operating this program is \$80 per ton. The revenue to fund this program is generated from the General Services District General Fund.
Yard Waste Composting/Mulching Program	This has been a very successful program with a significant amount of yard waste being processed by a chipper service. Approximately 1446.27 tons of brush and clean woodwaste were diverted from Class I disposal in 1999 by this program.	The revenue to fund this program is generated from the General Fund with transfers to the special revenue fund for solid waste management.

<p>Construction/demolition Waste Materials Diversion Program</p>	<p>The material collected from construction demolition activities is disposed of in the Williamson County Class III/IV Landfill and the Southern Services Class III/IV Landfill. The amount of waste diverted by these facilities from Class I disposal is estimated to be 32,080 tons.</p>	<p>The cost for operating the Williamson County Class III/IV landfill is included in the Solid Waste landfill budget. The tipping fees charged for Class III/IV material delivered to this facility is \$6.50 per cubic yard for Class III/IV waste and \$2.00 per cubic yard for separated clean woodwaste and yard waste.</p>
<p>Household Hazardous Waste Collection Program</p>	<p>Participation at the region's household hazardous waste collection events has been significant.</p>	<p>The program is operated through contribution from the county general fund and by utilization of the state household hazardous waste collection program.</p>

## **Current Trends And Needs With Regard To Waste Reduction, Recycling And Diversion Programs**

There are no outstanding needs with regard to waste reduction, recycling or diversion issues that have not been addressed with current programs or will be addressed by planned programs. Williamson County's record for proactive waste reduction initiatives is well documented. Williamson County plans to continue to proactively manage its waste stream. As new markets and/or technologies develop Williamson County will continue to assess the associated costs and benefits as they pertain to Williamson County. Williamson County will endeavor to identify and implement environmentally and economically beneficial markets and technologies in the region.

The cities within the Williamson County Municipal Solid waste planning Region have identified no outstanding needs.

The trend has been the widespread acceptance and utilization of solid waste management programs within all jurisdictions of the region. The region anticipates no change in this trend. Residents of all jurisdictions within the region continue to support the proactive management of waste in the region.

### **Intra-regional Jurisdiction Cooperation**

The Cities included within the Williamson County Solid Waste Planning Region that provide solid waste collection are the City of Franklin and Spring Hill. The city of Spring Hill anticipates no major changes to its solid waste program during the projected ten-year planning period. The cities of Franklin and Brentwood and Williamson County have begun discussions on ways they might further work together in expanding solid waste collection and waste reduction opportunities within the county, however it is premature at this point to say what direction these discussions might take.

## **Proposed Programs and Changes to Waste Management Strategy**

Solid waste management has been and will continue to be a dynamic arena for its players. Successful programs will rely upon flexible strategies that adapt to changes in the field. Even the most carefully crafted ten year plan for managing a region's waste can quickly become outdated if it cannot adjust to the:

- ◆ emergence of innovative technology;
- ◆ opening of new markets and/or the closing of old ones;
- ◆ fluctuations in regional economy; or
- ◆ swings in public perception.

The Williamson County Solid Waste Planning Region has worked hard to project the direction in which the region should move during the next ten year planning horizon as described below. However, the region's officials realize that continued success with solid waste programs is contingent on focusing on the much shorter term in conjunction with flexible programs. Short term planning with conscientious monitoring of existing markets, technologies and trends coupled with flexible programs will allow the region to quickly adapt to fluctuations in the field and take advantage of these turns or cut losses as necessary. Therefore, the proposed programs, facilities and changes described in this section are meant to be a guide or vision for local decision makers as was intended by the Solid Waste Management Act of 1991, and not to be construed as mandates for local decision makers by state agencies.

The Williamson County Solid Waste Planning region does not have any outstanding current or anticipated future needs with regard to waste reduction, recycling, compost and mulch or diversion programs. The Region through implementation of existing programs has made considerable progress toward increasing source reduction, recycling, composting and waste diversion during the last five years. Williamson County has increased waste reduction, diversion and recycling within the region from 0% in 1991 to 34.22% in 1999. It should be noted that this is the documentable waste reduction of the region. This is in direct conflict with the region's failure to meet the 25% waste reduction goal as defined and reported by the state. The state's assessment of the region's progress is based on calculations that use a state-assigned base year waste generation rate for the region significantly lower than the average in the state for regions of similar economic activity. This low base year waste generation rate remains in discussion between the region and the state at the time of this update. Williamson County remains hopeful that a suitable solution can be worked out so that the 25% mandated reduction is reflected accurately in the reduction calculations.

In addition to City and County operated recycling programs within the region, the strong market for some recyclables has no doubt increased recycling efforts among the commercial and industrial sectors as well as the public sector but these efforts are difficult to quantify.

Even though the Williamson County Solid Waste Planning Region is currently reducing, recycling or diverting well over 25% of its waste, the Region is still committed to continue the expansion of its waste reduction programs. Williamson County's officials recognize that the County's high growth rate, coupled with ever increasing Class I waste disposal cost and the associated long term liability of Class I waste disposal, necessitates continued perseverance in enhancing and

maximizing practical, economical and environmentally sound waste reduction within the region. In an effort to pursue this as a goal, the Region anticipates the continuation of, changes in and/or additions to its waste management programs as outlined in the following paragraphs.

The Cities included within the Williamson County Solid Waste Planning Region, which provide solid waste collection, are the City of Franklin and Spring Hill. The city of Spring Hill anticipates no major changes to its solid waste program during the projected ten-year planning period. The cities of Franklin and Brentwood and Williamson County have begun discussions on ways they might further work together in expanding waste reduction opportunities within the county, however it is premature at this point to say what direction these discussions might take.

Williamson County does anticipate the expansion of some existing programs and the implementation of new programs.

Carpet/ Carpet Padding Recycling- Calendar year 2000 has already seen the addition of carpet and carpet padding recycling to Williamson County's waste reduction programs. The addition of this commodity to the region's recycling program was unanticipated during the previous years. The Williamson County Solid Waste Department will continue to monitor solid waste recycling markets for the developments concerning other waste materials.

Clean Woodwaste- This program began operation in the spring of calendar year 2000. The clean woodwaste composting/much program involves the collection of clean woodwaste, brush, stumps and yardwaste and converting this material through mechanical reduction, screening and composting into marketable products. The clean woodwaste recycling program which started in calendar year 1999 will be expanded in calendar year 2000 as the volume of material received increases. Currently, the clean woodwaste received by this program is mechanically reduced with a shear, fed through a shredder, and pre-screened for separation into a soil amendment pile, a compost pile or a mulch pile depending upon the percent content of fines in the screened material.

All soil amendment material is currently being utilized on site in the establishment of vegetative cover.

Waste Tire Recycling Program- Williamson County officials are satisfied with the county's current waste tire diversion program as described in the previous section titled **Current Waste Management Strategy**. The county anticipates no changes to the program currently in place.

Office Paper- The office paper recycling program initiated by the county in calendar year 1996 has been operating effectively for the last four years. With the addition of staff in the last calendar year this program will be more aggressively marketed. Specific businesses will be targeted each year by utilizing Chamber of Commerce information on new and existing business that potentially generate significant quantities of office paper. Appointments will be scheduled with appropriate persons at these businesses to inform them of the advantages and opportunities within Williamson County for office paper recycling and to investigate the potential of working with these businesses to recycle waste paper.

Commercial and Industrial Waste Reduction Pilot Program-Williamson County anticipates expanding the existing commercial and industrial waste collection program as described under the

previous section titled Current Waste Management Strategy. Short term plans for expansion of this program involve targeting three to five businesses annually for waste reduction audits. The results of these audits will determine what containers the county will need to provide for material collection. The county anticipates appropriating funds for the next three fiscal years toward this program. Beyond the next three years revenues from the sale of recovered materials will fund future expansions.

Class III/IV Metals Recycling- Williamson County will begin a metals recycling program from metals pulled out of class III/IV waste received at the county's class III/IV landfill site. This program is scheduled to begin in fiscal year 2000-2001. Metals in class III/IV landfill waste will be recovered in one of two ways: 1) When quantities are sufficient, the equipment operator will pull this material out of waste dumped at the working face by a track hoe; 2) Class III/IV waste received for processing with the shredder will pass through a series of magnets located on the shredder which will pull out any ferrous metals.

Class III/IV Landfill Fines Recycling- Williamson County Class III/IV landfill personnel are pursuing approval by the TDEC-Division of Solid Waste Management of a pilot program for the use of inert landfill fines screened out of class III/IV landfill waste as alternate daily cover. The inert class III/IV landfill waste will consist of two by fours, shingles, sheet rock, etc. which has been processed by the shredder located at the landfill and then screened.

The class III/IV metals recycling program and the class III/IV landfill fines recycling program are not expected to produce any significant revenues but should provide the county significant savings through the avoided cost of otherwise having to dispose of this material.

An implementation schedule for the new and expanded programs planned by the Williamson County Solid Waste Department is included as Figure I-2.



## CHAPTER 4: Collection and Transportation

### 1. List of Collection Services Available In The Region

Table 4-1 Collection Services Available In The Region:

CITY/TOWN	Service Recipient	SERVICE PROVIDED	HOW FINANCED	ACCOUNTING
WILLIAMSON COUNTY	All residents of the County	Convenience Center Collection of residential refuse, recyclables, demolition/construction debris, and used oil is provided through ten locations across the county. Private haulers operate throughout the county as well on an individual subscription basis.	Paid out of Special Revenue Fund	Standard Chart of Accounts for County Government
FRANKLIN	Residents of the City of Franklin	Once per week curbside collection by city employees and equipment.	Paid for through utility bill collection.	Special Revenue Fund
SPRING HILL	Residents of the City of Spring Hill	Contracted curbside collection once per week.	Paid for through utility bill collection.	Special Revenue Fund
BRENTWOOD	Residents of the City of Brentwood	Residential and commercial waste collection through individual subscription with various private waste hauling companies operating in city.	Individual subscription	Not Applicable
NOLENSVILLE	Residents of the Town of Nolensville	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city. The county has a convenience center in Nolensville.	Private: Individual subscription. County conv. center: Special revenue fund.	Not applicable to individual subscription. Conv. Center through Std Chart of Accts.
FAIRVIEW	Residents of the City of Fairview	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city. The county has a convenience center in Fairview.	Private: Individual subscription. County conv. center: Special revenue fund.	Not applicable to individual subscription. Conv. Center through Std Chart of Accts.
THOMPSON STATION	Residents of the Town of Thompson Station	Residential and commercial waste collection through subscription with various private waste hauling companies operating in city. The county has a convenience center in Thompson Station.	Private: Individual subscription. County conv. center: Special revenue fund.	Not applicable to individual subscription. Conv. Center through Std Chart of Accts.

## **2. Minimum Collection Requirements:**

Williamson County assures that adequate solid waste collection is available to all residents of Williamson County through a network of convenience centers. The county operates ten of these centers across the county. This number of convenience centers more than satisfies the requirements of the State's Division of Solid Waste Management's regulations. This system is well received by Williamson County residents and adequately meets the needs of the county's population.

## **3. Collection Needs Of The Region:**

The region is well served by the existing solid waste infrastructure. There are no outstanding needs with regard to solid waste collection. There are no major changes anticipated to any of the existing solid waste collection systems during the ten year planning period.

Williamson County residents are well aware of collection opportunities within the region. The trend has been for Williamson County residents to utilize existing collection services and to manage waste responsibly. The region anticipates this trend to continue during the next ten year planning period.

## CHAPTER 5: Recycling

**Recycling Coordinator:** Lewis Bumpus  
 5750 Pinewood Rd.,  
 Franklin, TN 37064-9366  
 (615) 790-0742

### Recycling Programs in the Region

Table 5-1 Publicly Operated Recycling Programs

PROGRAM NAME	CONTACT ADDRESS PHONE	ITEMS ACCEPTED	PROGRAM DESCRIPTION
Williamson County Recyclables Drop-off Collection Sites.	Lewis Bumpus 5750 Pinewood Rd. Franklin, TN 37064-9366 (615) 790-0742	Glass, aluminum, mixed metal, newspaper, cardboard, plastic bottles #1 and #2	Various location through the county (Kroger grocery stores, schools and convenience centers) Available to anyone who wishes to deposit acceptable recyclable items
Williamson County Materials Recovery Facility "Recycle America".	Lewis Bumpus 5750 Pinewood Rd. Franklin, TN 37064-9366 (615) 790-0742	Aluminum, Mixed Metals, Paper, Cardboard, Plastic, Glass	Processing location of recyclable materials open during normal business hours 8:00 am to 4:00 pm, Monday-Friday for donations
Williamson County Office Paper Recycling Program.	Lewis Bumpus 5750 Pinewood Rd. Franklin, TN 37064-9366 (615) 790-0742	Office Paper	Various offices throughout the county who elect to participate. Available to all employees of participating offices
Williamson County Schools and City of Franklin Special School District.	Lewis Bumpus 5750 Pinewood Rd. Franklin, TN 37064-9366 (615) 790-0742	Paper, Cardboard and Phone Books	Available to all residents of the county.
Williamson County Carpet Padding and Carpet Recycling.	Lewis Bumpus 5750 Pinewood Rd. Franklin, TN 37064-9366 (615) 790-0742	Carpet Padding and Carpet	Drop-off available at Williamson County Class III/IV Landfill to all residents of County

### Central Materials Processing Facility

**Name of facility:** Recycle America  
**Owner of facility:** Williamson County  
**Type of Facility:** Publicly Operated Materials Recovery Facility (MRF)  
**Contact:** Lewis Bumpus  
**Address:** 5750 Pinewood Rd.  
Franklin, TN  
37064-9366  
**Phone:** (615) 790-0742  
**Population served by the facility:** All population of region  
**Types of materials processed:** Aluminum, mixed metal, paper, cardboard, glass, plastic  
**Approx. volume processed annually:** 10,823 tons  
**Description of facility/process:** Processing and marketing of recyclables from County recycling drop-off points and schools, and processing and marketing of materials received from commercial and industrial sector.

### Composting Facility

**Name of facility:** Williamson County Yard and Clean Wood waste Composting  
**Owner of facility:** Williamson County  
**Type of Facility:** Publicly Operated Yard and Clean Wood waste Composting Facility  
**Contact:** Lewis Bumpus  
**Phone:** (615) 790-0742  
**Address:** 5750 Pinewood Rd., Franklin, TN  
**Population served by the facility:** All population of region  
**Approx. volume composted annually:** 1,446.27  
**Description of facility/process:** Yard waste, brush and clean wood waste are processed and composted at the Williamson County class III/IV landfill.

#### 1. Progress And Setbacks In Recycling And Reduction Efforts:

Williamson County has identified potential markets for carpet/carpet padding; Class III/IV wood waste, Class III/IV metals and Class III/IV fine material. The opportunity for recycling and diverting the latter three categories of material from the Class III/IV landfill is the result of the county's investment in a shear and a shredder. Recycling programs for these materials are scheduled to commence in fiscal year 1999-2000.

## **2. Recycling Drop-off Facilities**

The county maintains 14 recyclables drop-off points across the county. These sites are available to all residents of the region. A map showing the location of these points is included as Figure I-3 and a list of these facilities is included in Appendix III.



## CHAPTER 6: Disposal

### 1. Landfill Facilities, Transfer Stations, MSW Incinerators, Landfill Gas Facilities And Waste To Energy Facilities:

#### LANDFILL

**Facility name and classification:** Williamson County Class III/IV Landfill  
**Facility owner:** Williamson County  
**Type of Operation:** Publicly Operated Class III/IV landfill  
**Contact/operator:** Lewis Bumpus  
**Address/location:** 5750 Pinewood Rd., Franklin, TN

**Phone:** (615) 790-0742  
**Types of materials received:** Class III/IV construction/demolition debris, yard waste, brush and clean wood waste.

**Jurisdictions served:** All of Williamson County  
**Tipping fee per ton:** \$6.50 per cubic yard Class III/IV waste  
\$2.00 per cubic yard separated clean wood waste

**Energy production:** No.

**Transfer:** No  
**Permit No.:** DML 941 020065

**Notes:** None

#### LANDFILL

**Facility name and classification:** Williamson County Class I Landfill  
**Facility owner:** Williamson County  
**Type of Operation:** Publicly owned Class I landfill  
**Contact/operator:** Lewis Bumpus  
**Address/location:** 5750 Pinewood Rd., Franklin, TN

**Phone:** (615) 790-0742  
**Types of materials received:** None  
**Jurisdictions served:** All of Williamson County  
**Tipping fee per ton:** N/A

**Energy production:** No  
**Transfer:** No  
**Permit No.:** SNL 941 020057  
**Notes:** (No longer accepting waste)

**TRANSFER STATION**

**Facility name and classification:** Williamson County Transfer Station  
**Facility owner:** Williamson County  
**Type of Operation:** Publicly owned transfer station for Class I landfill material  
**Contact/operator:** Lewis Bumpus  
**Address/location:** 5750 Pinewood Rd., Franklin, TN

**Phone:** (615) 790-0742  
**Types of materials received:** Class I MSW  
**Jurisdictions served:** All of Williamson County  
**Tipping fee per ton:** \$29.50 per ton

**Energy production:** No  
**Transfer:** From Williamson County to Benton County Tennessee  
**Permit No.:** Permit by rule (no mechanical compaction)  
**Notes:**

**2. Class I Waste Export And Import:**

**EXPORT:**

<b>LOCATION OF RECEIVING FACILITY</b>	<b>DESTINATION FACILITY AND FACILITY OWNER</b>	<b>Tonnage Disposed of in CY 1999</b>	<b>% OF TOTAL CLASS I DISPOSED</b>
Benton County	West Camden, Class I Landfill, Waste Management, Inc.	62,568.55	65.3
Marshall County	Cedar Ridge Class I Landfill, Waste Management, Inc.	19,021.17	19.9
Rutherford County	Middlepoint Landfill, BFI	14,123	14.8
<b>Total Tonnage</b>		<b>95,712.72</b>	<b>100.0</b>

Note: USA Waste and Waste Management, Inc. merged during the last calendar year, the percent of total class I waste disposed for Waste Management, Inc. represents the combined total of waste sent to USA Waste and Waste Management, Inc.

**IMPORT:**

<b>LOCATION OF ORIGIN</b>	<b>DESTINATION FACILITY AND FACILITY OWNER</b>	<b>% OF TOTAL CLASS I GENERATED</b>
NONE		

### **3. Disposal Needs Evaluation:**

Efficient disposal is assured at a reasonable price for the ten year planning horizon. The existing solid waste disposal contract is scheduled to be re-bid in a time frame that will allow services to continue without interruption. The existing solid waste program has the capacity to handle solid waste disposal needs through the ten-year planning period with allowances for growth and increased disposal demands. No changes to the programs are contemplated.

### **4. Facility Planned Capacity Assurance:**

The facilities being utilized for solid waste disposal by the region all have planned disposal capacity in excess of ten years

### **5. For Landfills and Incinerators, Are Financial Activities ACCOUNTED FOR IN AN ENTERPRISE FUND?**

Yes, financial activities are accounted for in an enterprise fund.



## **CHAPTER 7: Problem wastes**

### **1. State Household Hazardous Waste Mobile Collection Service:**

Yes, the county has taken advantage of the State's household hazardous waste mobile collection service. The county routinely holds at least one household hazardous waste event each year. These events are well attended and have some of the highest participation rates in the state.

### **2. Permanent Household Hazardous Waste Collection Center:**

No, the region does not have a permanent household hazardous waste collection center.

### **3. Level Of Success With Household Hazardous Waste Collection And Future Plans:**

The last event was held on May 6, 2000 at the Williamson County Materials Recovery Facility. Information on the number of participants and amounts of materials collected were not available at the drafting of this narrative but estimates are that it was at least as well attended as the last event. The previous event was held in May of 1999 and diverted approximately 26.05 tons of household hazardous waste materials from Class I landfills. The household hazardous waste collection event held in May 1999 had the highest participation rate recorded in the state with 2.49% of household in the region participating.

### **4. Waste Tire Collection Mandates:**

The county currently accepts used tires at the Williamson County Class III/IV Landfill located on Pine Wood Road. Tires are stored at this facility prior to transport and marketing by MACK Tires for use as a fuel alternative to coal.

### **5. Satisfaction With Waste Tire Collection Efforts:**

The county is satisfied with its waste tire management program. The county is currently contracting with a private contractor to recycle the tires and take advantage of the State's reimbursement plan. No changes are anticipated or needed with respect to the existing program.

### **6. Waste Tire Dumping:**

Illegal waste tire dumping is a minor problem within the region. Those dumps that are identified are few in numbers and minor in extent. The region does not conduct formal surveys of these dumps, however, upon finding a tire dump or having one reported, the Sheriff's Department and the Williamson County Solid Waste Department Litter Crew work together to address the problem. The typical response time for cleaning up a tire dump is less than 48 hours. If at some time in the future there is a noticeable increase, the region may devise a system for accounting for these sites.

## **7. Oil And Auto Fluid Collection Mandates:**

Used automotive fluid is collected at each of the county's convenience centers. Other automotive fluids, due to the small volume collected, are blended with the used oil. This oil is then recycled or used in the Williamson County oil burning heater at the Williamson County Landfill. A list of publicly operated drop-off points in the region which accept used oil and automotive fluids for recycling is included as Appendix III.

## **8. Lead Acid Battery Collection Mandates:**

Lead acid batteries are collected at the Williamson County landfill for recycling. Lead acid batteries are also accepted at the county's convenience centers but are transferred to the landfill for short term storage until they are transferred to a battery recycler. A list of publicly operated drop-off points which accept lead acid batteries for recycling is included as Appendix III.

## **CHAPTER 8: Solid Waste Education**

### **1. Efforts In Public Education Regarding Solid Waste Matters:**

Name: Carolyn Gallagher, Recycling Coordinator

Organization/Sponsor: Williamson Recycles

Phone: (615) 790-5848

Address: 420 Century Ct., Franklin, TN 37064

Target participants: Youth, adult, Commercial and Industrial sector

Description of activities: Promotes back yard composting, preparation of informational brochures, radio spots, Extension Service programs, team with schools on solid waste management programs for children.

Name: Carolyn Gallagher (contact)

Organization/sponsor: Local Scout organization

Phone number: (615) 790-5848

Address: 420 Century Ct., Franklin, TN 37064

Target participants:

Description of activities:

Name: Sgt. Jim Piercey, Litter Officer

Organization/sponsor: Tennessee Highway Patrol

Phone number: (615) 741-3181, ext. 101

Address: Admin office of the TN Highway Patrol, Nashville

Target participants: Youth, adults

Description of activities: Litter education and enforcement

### **2. Public Solid Waste Education Needs**

It would be helpful if more information were disseminated regarding the more important issues of source reduction and conservation in addition to recycling. The clamor by the public for often costly recycling programs overshadows the importance of eliminating and/or reducing waste. Williamson County is well served by the existing solid waste education programs. The public is well informed by existing programs and no outstanding needs with respect to these programs has been identified. Williamson County's solid waste education programs have been in place since the early 1990's. The county has filed an education action plan and has reviewed the Pathways to Education Book.



## **CHAPTER 9: Flow Control and Permit Review**

### **1. Is The Flow Of Waste Controlled By The Region Or Jurisdictions:**

The region or any of the jurisdictions within the region is not currently exercising flow control.

### **2. Any Outstanding Issues Regarding Permit Review or Flow Control?**

There are no outstanding issues with respect to Permit Review or Flow Control.



## **CHAPTER 10: Five-Year Plan Update Review and Approval**

### **1. Description of public hearing held after the revised plan was completed:**

Public notice regarding preparation of the Five-year Update to the Region's ten year municipal solid waste plan and the associated public hearing on the plan was given in the May 12, 2000 Williamson County A.M. edition of the Tennessean. The public notice also identified locations open to the public where a copy of the revised plan could be reviewed. A copy of the public notice can be found in Appendix IV. The public hearing was held on May 31, 2000. No written or verbal comments were received on the plan. The public hearing was held in conjunction with the regional solid waste board meeting at which the plan was approved. A copy of the minutes of this regional solid waste board meeting is also included in Appendix IV.

### **2. Is local planning commission aware of the five-year update?**

A letter was sent to each municipality in the region to be forwarded to their planning commission notifying them of the preparation of the five-year update to the region's ten year municipal solid waste plan and extending the invitation to them to comment on the plan. A copy of these letters can be found in Appendix IV.

### **3. Copies of a resolution from every county in the region approving the five-year plan update:**

The five-year update to the region's municipal solid waste plan was reviewed and approved by the Williamson County Commission on June 12, 2000. A copy of the resolution passed by the Williamson County Commission approving the update is included in Appendix IV.



## **Appendix I**

### **List Of Regional Board Members**



**Williamson County Municipal Solid Waste Planning Region Board Members**

Member Name	County/ Municipality Representing	Mailing Address	Daytime Phone	Term of Office	
				Start	End
<i>Judy Hayes, Chairperson</i>	<i>Williamson Co.</i>	<i>1775 Pope's Chapel Rd., Franklin, TN 37064</i>	<i>(615) 794-5380</i>	<i>10/1998</i>	<i>10/2004</i>
<i>James Anglin</i>	<i>Williamson County</i>	<i>5774 Bending Chestnut Rd. Franklin, TN 37064</i>	<i>(615) 794-2778</i>	<i>10/1994</i>	<i>10/2000</i>
<i>Clyde Barnhill</i>	<i>City of Franklin</i>	<i>1407 Cannon St. Franklin, TN 37064</i>	<i>(615) 794-8334</i>	<i>10/1994</i>	<i>10/2000</i>
<i>Tom Murdic</i>	<i>Williamson County</i>	<i>1428 Mayberry Lane Franklin, TN 37064</i>	<i>(615) 794-6029</i>	<i>10/1994</i>	<i>10/2000</i>
<i>Steve Werberly</i>	<i>Williamson County</i>	<i>204 Brittan Court Brentwood, TN 37027-3425</i>	<i>(615) 790-2794</i>	<i>10/1994</i>	<i>10/2000</i>



## **Appendix II**

### **Region Formation Resolution**



October 12, 1992

WHEREAS, a report has been prepared and attached herein as specified in Section 18 of the Williamson County Private Acts, 1937, Chapter No. 373 as Amended, prescribing the acceptance of roads as County Roads; and

WHEREAS, it is the responsibility of the Williamson County Board of Commissioners, through its Highway Commission, to accept and maintain public roads for the general welfare:

NOW, THEREFORE, BE IT RESOLVED by the County Board of Commissioners that:

The following roads be accepted as part of the County Road System for maintenance by the Williamson County Highway Commission.

<u>Subdivision</u>	<u>Road(s)</u>	<u>Length</u>	<u>District</u>
Southern Woods, Section V	Sunnybrook Drive	.09 miles	Northeast
	North Woods Court	.08 miles	Northeast
	North Creekwood Drive	.14 miles	Northeast
	North Lake Drive	.11 miles	Northeast

FUNDS IN-LIEU-OF "E" MIX ARE NOT REQUIRED FOR ROADS IN THIS SECTION OF SOUTHERN WOODS SUBDIVISION. "E" MIX HAS ALREADY BEEN PLACED.

/s/ Newt McCord  
Commissioner

Passed by unanimous voice vote.

Commissioner Murdic moved to accept Resolution No. 10-92-7, seconded by Commissioner Webster:

RESOLUTION  
CREATING WILLIAMSON COUNTY'S  
MUNICIPAL SOLID WASTE PLANNING REGION

WHEREAS, the adoption of the Subtitle D landfill regulations by the United States Environmental Protection Agency and companion regulations adopted by the Tennessee Solid Waste Control Board will impact on both the cost and method of disposal of municipal solid waste; and

WHEREAS, at the urging and support of a coalition of local government, environmental, and industrial leaders, the 97th Tennessee General Assembly enacted T.C.A. 68-211-801 et seq., titled "Solid Waste Management Act of 1991"; and

WHEREAS, with the view that better planning for solid waste will help control the additional costs that will be imposed by the new landfill regulations, help protect the environment, provide an improved solid waste management system, better utilize our natural resources, and promote the education of the citizens of Tennessee in the areas of solid waste management, including the need for and desirability of reduction and minimization of solid waste, local governments in Tennessee supported and worked for the passage of this Act; and

WHEREAS, one of the stated public policies of this Act is to institute and maintain a comprehensive, integrated, statewide program for solid waste management; and

WHEREAS, as per T.C.A. 68-211-811, the nine (9) development districts in the State of Tennessee have completed a district needs assessment which are inventories of the solid waste systems of Tennessee; and

WHEREAS, Williamson County's Board of Commissioners has given consideration to the needs assessment prepared by the Greater Nashville Regional Council (GNRC) development district; and

WHEREAS, T.C.A. 68-211-813 requires that counties in the State of Tennessee form municipal solid waste regions no later than December 12, 1992; and

WHEREAS, the Act's stated preference is the formation of multi-county regions with counties having the option of forming single or multi-county municipal solid waste regions; and

WHEREAS, the State of Tennessee will provide grant monies of varying amounts to single county, two county and three or more county municipal solid waste regions to assist these regions on developing their municipal solid waste region plans; and

WHEREAS, the primary and prevailing purpose of the municipal solid waste regions is the preparation of municipal solid waste regional plans which, among other requirements, must identify how each region will reduce its solid waste disposal per capita by

twenty-five percent (25%) by December 31, 1995, and a planned capacity assurance of its disposal needs for a ten (10) year period; and

WHEREAS, the development of a municipal solid waste regional plan that results in the most cost effective and efficient management of municipal solid waste is in the best interest of the citizens of Williamson County;

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners of Williamson County, Tennessee, acting pursuant to T.C.A. 68-211-801, et seq., that there is hereby established a Municipal Solid Waste Region for and by Williamson County, Tennessee; and

BE IT FURTHER RESOLVED that, pursuant to T.C.A. 68-211-813(a)(2) et seq., the Board of County Commissioners of Williamson County, Tennessee, finds and determines that Williamson County shall be and shall constitute a single county Municipal Solid Waste Region to comply with T.C.A. 68-211-861 and 68-211-815(b)(6); and

BE IT FURTHER RESOLVED that, pursuant to T.C.A. 68-211-813(b)(1), a Municipal Solid Waste Region Board is hereby established to administer the activities of this Region; and

BE IT FURTHER RESOLVED that this Municipal Solid Waste Region Board shall be composed of five (5) members; and

BE IT FURTHER RESOLVED that, pursuant to T.C.A. 68-211-813(b)(1), four (4) members shall be appointed by the County Executive and approved by this Board of Commissioners and, due to the fact that the City of Franklin collects or provides disposal services through its own initiative or by contract, the City of Franklin shall have a board member appointed by the Mayor of Franklin and approved by the City of Franklin's Board of Aldermen; and

BE IT FURTHER RESOLVED that members of the Board of the Municipal Solid Waste Region shall serve a six (6) year term except that one member appointed by the County Executive shall have a two (2) year term, that two (2) members appointed by the County Executive shall have a four (4) year term, that one member appointed

by the County Executive shall a six (6) year term, that one member appointed by the Mayor of Franklin shall have a \_\_\_\_ ( ) year term; and

BE IT FURTHER RESOLVED that this Municipal Solid Waste Region Board shall have all powers and duties as granted it by T.C.A. 68-211-813 et seq., and in addition, in the performance of its duty to produce a municipal solid waste region plan, it shall be empowered to utilize existing Williamson County governmental personnel, to employ or to contract with persons, private consulting firms, and/or governmental, quasi-governmental, and public entities and agencies and to utilize Williamson County's services, facilities and records in completing this task; and

BE IT FURTHER RESOLVED that, at the Municipal Solid Waste Region Board's initial organization meeting, it shall select from its members a chair, a vice-chair and secretary and shall cause the establishment of a municipal solid waste advisory committee whose membership shall be chosen by the Board and whose duties are to assist and advise the Board; and

BE IT FURTHER RESOLVED that the Municipal Solid Waste Region Board, in furtherance of its duty to produce a municipal solid waste region plan, is authorized to apply for and receive funds from the State of Tennessee, the federal government, Williamson County, the City of Franklin, and donations and grants from private corporations and foundations; and

BE IT FURTHER RESOLVED that Williamson County shall receive, disburse and act as the fiscal agent for the administration of the funds of the Municipal Solid Waste Region and the Region's Board; and

BE IT FURTHER RESOLVED that, upon the passage of this Resolution and at no later date than December 31, 1992, the County Clerk of Williamson County shall transmit a copy of this Resolution to the Tennessee State Planning office;

October 12, 1992

RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF WILLIAMSON COUNTY, TENNESSEE, this the 12th day of October, 1992, the welfare of the citizens of Williamson County requiring it.

/s/ Thomas E. Murdic  
Commissioner

Property & Sanitation Committee For 6 Against 0

Passed by recorded vote, Commissioners Lynch, Moran, Morrow and Hancock out.

Commissioner Murdic moved to accept Resolution No. 10-92-8, seconded by Commissioner Anderson:

RESOLUTION  
APPOINTING MEMBERS TO THE WILLIAMSON COUNTY  
MUNICIPAL SOLID WASTE REGIONAL BOARD

WHEREAS, T.C.A. 68-211-813(b) (1) provides for the appointment of a Municipal Solid Waste Regional Board and establishes their terms of office; and

WHEREAS, four (4) members of this Board are to be appointed by the County Executive and approved by the Board of County Commissioners;

NOW, THEREFORE, BE IT RESOLVED that the following members of the Williamson County Municipal Solid Waste Regional Board are hereby appointed by Williamson County:

- 1) Judy Hayes 6 years
- 2) Steve Wherley 4 years
- 3) Daryl Demonbreun 4 years
- 4) Tom Murdic 2 years

AND, BE IT FURTHER RESOLVED that these appointments are hereby made and shall be in accordance with the provisions of T.C.A. 68-211-801, et seq., the "Solid Waste Management Act of 1991".

/s/ Thomas E. Murdic  
Commissioner

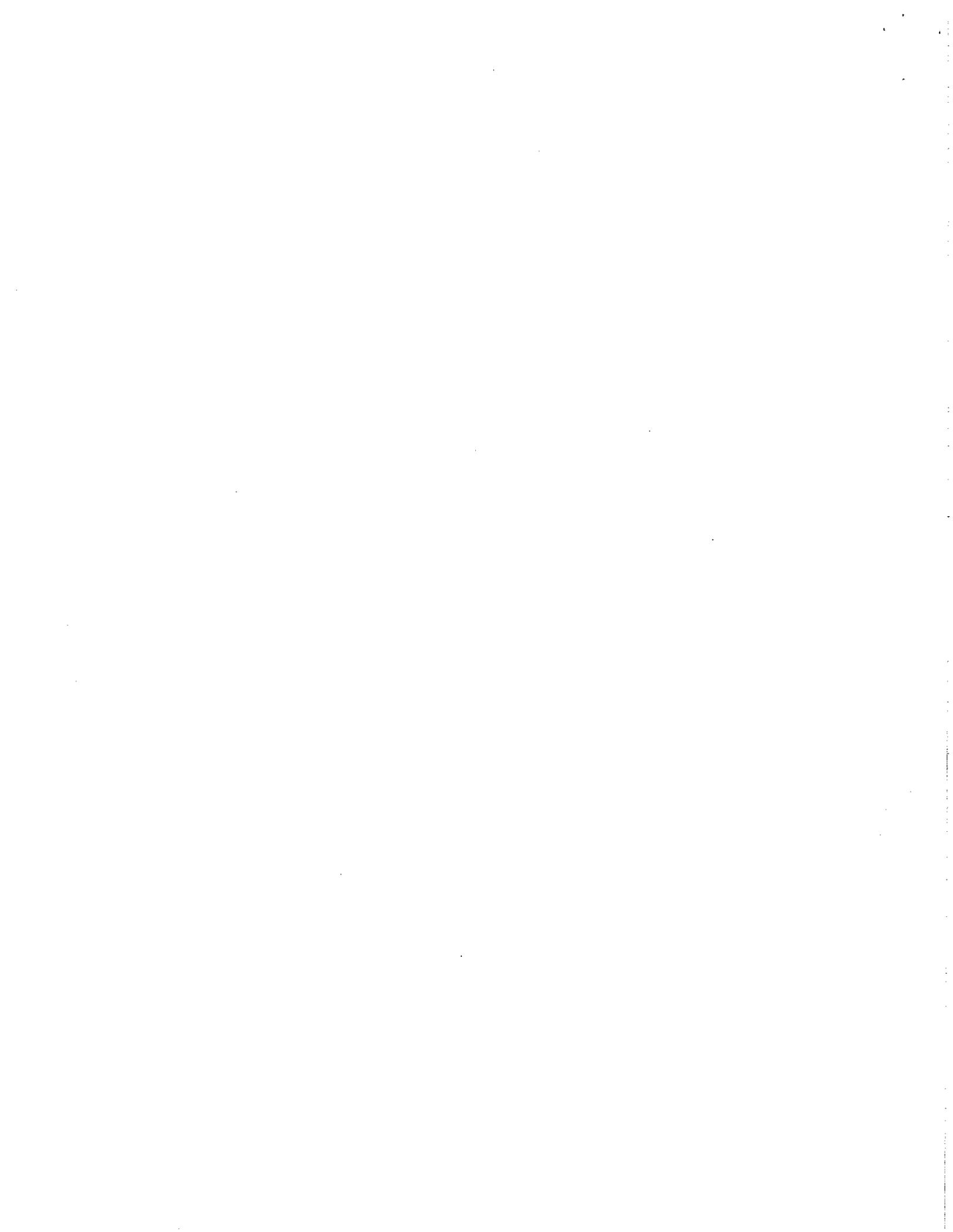
Property & Sanitation Committee For 6 Against 0

Passed by unanimous voice vote.



## **Appendix III**

### **Publicly Operated Recycling Drop-off and Problem Waste Collection Points For The Williamson County Municipal Solid Waste Planning Region**



List of Williamson County Convenience Centers and Drop-off Recycling Locations

Name	Location/ Telephone/ I.D. No.	Hours	Solid Waste Collection	Recyclables Collection	Problem Waste Collection	Material Collected
Bethesda	4950 Bethesda Rd. Thompson Station, TN 37179 (615) 790-9642 CCC 94 102 0301	7:00am-5:00 pm M-F 7:00am-6:00 pm Sat. and Sun.	X	X	X	Residential Municipal Solid Waste, Wood-waste, Mixed Metal, Plastic, Newspaper, Cardboard, Glass (Green, Clear, Brown), Aluminum, Tin/Steel, Mixed Paper, Oil, Transmission Oil and other automotive fluids <sup>a</sup> , batteries <sup>b</sup>
College Grove	6520 Arno-College Grove Rd. College Grove, TN 37046 (615) 368-7181 CCC 94 102 0295	7:00am-5:00 pm M-F 7:00am-6:00 pm Sat. and Sun.	X	X	X	Same as above
Fairview	1928 Fairview Blvd. W Fairview, TN 37062 (615) 799-8311 CCC94 102 0296	7:00am-5:00 pm M-F 7:00am-6:00 pm Sat. and Sun.	X	X	X	Same as above
Grassland	2229 Hillsboro Rd. Franklin, TN 37069 (615) 790-0741 CCC 94 102 0436	7:00am-5:00 pm M-F 7:00am-6:00 pm Sat. and Sun.	X	X	X	Same as above

<sup>a</sup> Due to the small volume received, transmission fluid and other automotive fluids are blended with the used oil collected at the convenience centers for burning in the county's used oil burner.

<sup>b</sup> While residents of the county are allowed to drop batteries off at the convenience centers, the batteries collected are transferred to the Williamson County landfill for storage. Stored batteries are then typically marketed to Metallico and the recycled tonnage is aggregated with other batteries received from Williamson County and reported in Metallico's numbers.

List of Williamson County Convenience Centers and Drop-off Recycling Locations, cont...

Name	Location/ No.	Telephone/ I.D.	Hours	Solid Waste Collection	Recyclables Collection	Problem Waste Collection	Recyclables Material Collected
Leiper's Fork	5406 Pinewood Rd. Franklin, TN 37064 (615) 790-9556 CCC 94 102 0300		7:00am-5:00 pm M-F 7:00am-6:00 pm Sat. and Sun.	X	X	X	Same as above
Nolensville	1525 Sunset Rd. Nolensville, TN 37135 (615) 776-2717 CCC 94 102 0299		7:00am-5:00 pm M-F 7:00am-6:00 pm Sat. and Sun.	X	X	X	Same as above
Southall	1140 Mile End Rd. Franklin, TN 37064 (615) 794-0183 CCC 94 102 0420		7:00am-5:00 pm M-F 7:00am-6:00 pm Sat. and Sun.	X	X	X	Same as above
Thompson Station	1515B Thompson Station Rd. Thompson Station, TN (615) 790-9642 CCC 94 102 0298		7:00am-5:00pm M-F 7:00am-6:00pm Sat. and Sun.	X	X	X	Same as above
Trinity	3008 Wilson Ph. Franklin, TN 37069 (615) 793-3904 CCC 94 102 0297		7:00am-5:00 pm M-F 7:00am-6:00 pm Sat. and Sun.	X	X	X	Same as above
Williamson County Landfill	5750 Pinewood Rd. Franklin, TN 37064 (615) 790-0742		7:00am-5:00 pm M-F 7:00am-6:00 pm Sat. and Sun.	X	X	X	Same as above

List of Williamson County Convenience Centers and Drop-off Recycling Locations, cont...

<b>Name</b>	<b>Location/ No.</b>	<b>Telephone/ I.D.</b>	<b>Hours</b>	<b>Solid Waste Collection</b>	<b>Recyclables Collection</b>	<b>Problem Waste Collection</b>	<b>Recyclables Material Collected</b>
Recycling Buy- back Center	420 Century Ct. Franklin, TN 37064 (615) 791-1502		8:00 am - 4:00 pm, Monday - Friday		X		Plastic, Newspaper, Cardboard, Glass (Green, Clear, Brown), Aluminum, Tin/Steel, Mixed Paper
Wilson Pk.	1301 Wilson Pk. Brentwood, TN 37027		24-hr		X		Same as above
Brentwood Kroger	330 Franklin Rd. Brentwood, TN 37027		24-hr		X		Same as above
Independence Square Kroger	301 Independence Square Franklin, TN 37064		24-hr		X		Same as above



## **Appendix IV**

### **Documentation Regarding Public Notice, Public Hearing and Plan Approval Including:**

- **Public Notice Regarding Plan Preparation and Associated Public Hearing;**
- **Williamson County MSW Planning Region Board Meeting Minutes Regarding Public Hearing and Plan Approval;**
- **Notification Letters to Planning Commissions; and**
- **Williamson County Commission Resolution Regarding Municipal Solid Waste Plan Approval**



TY NEWS

# Community Forum

Opinions and views of our readers

## Its want board members out the children first

for Nancy Mueller's our school board's trics. Let this be the m them. sterical, inaccurate out Terry Grier — se, OK? Leslie Pip- rt of the word you fail to under- have a last hurrah keable Susan Lyka, hools zealots, the ns and the middle- nothing board

with children in a "children first

and politicians' egos last" policy. The perfidious, querulous and generally illiterate board corre- spondence with the public guaran- tees that we will proclaim a big, generous "NO" to anyone running for re-election.

Concerned parents will simply look for the incumbent member of the school board and vote for someone else. Personally, I would vote for Homer Simpson, if he were on the ballot, before anyone presently on the board.

Got the message, school board? Dave Mann 615 Davis Drive Brentwood 37027

### n Baugh

I — Kord 32, a sales rep- A.R. Siegel Co. in Vanderbilt in Nashville. Franklin; resi-

lude his father, ry, Elkin, N.C.; Keyes Hilmo, enn.; grand- t S. Keyes, Kelly Pitsen- ma, Tenn.; gh, Bellevue, e and two

ces will be at 1 Mt. Hope Rev. John

eff Jones, Cone, Joe nes, Dan is Smiley pallbear-

ers will Andrew nberger, and Jay % and

family ay and at his Creek

tions rssee Jack Cary, s St.

pel, ling

ne off West End United Methodist

for Liberty Mutual Insurance Co. died Thursday.

Born in Hickman County, Tenn., Hensley served in World War II, beginning in the 2nd Rainbow Division then serving in the 79th Infantry Division as a military police-

man. He was a member of Blake- more United Methodist Church.

He was preceded in death by his parents, Carl and Lula Hensley.

Survivors include his wife, Mae Carter Hensley; son, Joseph Terry Hensley, Brent- wood; and sister, Lourene McMurray, Monroe, Mich.

Funeral services will be at 2 p.m. Saturday in Blakemore United Methodist Church with the Rev. Michael Williams and J. Thomas Laney officiating.

Interment will follow in Woodlawn Memorial Park with Mike Eatherley, Ron Overfield, Bill Sneed, Joe Roop, Chvit Chesler, Jere C. and William Gary Manning and Joe Alan Carter serving as active pallbearers.

Honorary pallbearers will be Blakemore United Methodist Church ushers, John G. Thompson Jr., Tommy Echols, Jerry Humpreys, Charles Hampton White, David L. Bone and Jack Cary.

Visitation with the family will be from 2-4 p.m. and 6-9 p.m. today in Brentwood Funeral Home, 9010 Church St. E.; and noon until services Saturday in the church.

Memorial contributions may be made to Blakemore United Methodist Church or West End United Methodist

# First China Restaurant

## All You Can Eat

Lunch Buffet Sunday - Friday  
Dinner Buffet Friday & Saturday  
40 Items • Salad Bar • Ice Cream  
Lunch Buffet \$5.25 • Dinner Seafood Buffet \$8.95



1010 Murfreesboro Rd.  
Hwy. 96, The Maples Shopping Center  
Tel: (615) 791-4999 Fax: (615) 791-4178

# PUBLIC NOTICE

The Williamson County Municipal Solid Waste Regional Planning Board has completed a draft of the Five-Year Update to the region's Ten-Year Plan. This Plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991.

A public hearing date is set for 5 p.m., May 31, 2000, in the Administrative Complex Conference Room, 1320 W. Main Street, Franklin, to receive comments on the draft of this Plan.

A copy of the draft of this Plan is available for review at the following locations:

- Williamson County Public Library:
  - Main Library, 611 West Main St., Franklin
  - Bethesda Branch, 4905 Bethesda Rd., Thompson Station
  - Fairview Branch, 710 Fairview Blvd., W., Fairview
  - Leiper's Fork Branch, 5333 Old Highway 86, Leiper's Fork
  - Nolensville Branch, 915 Oldham Dr., Nolensville

Written comments regarding the plan will also be accepted until noon, May 31, 2000, and should be sent to: Lewis Bumpus, 5750 Pinewood Rd., Franklin, TN 37064.

# OPEN HOUSE

Sun. May 21st  
2-5 pm

# MEMBERSHIPS AVAILABLE

10 Laykold Surface Tennis Courts (7 lights)



## MINUTES OF THE MUNICIPAL SOLID WASTE BOARD MEETING - May 31, 2000

The Municipal Solid Waste Board met Wednesday, May 31, 2000, at 5:00 p.m., in the Conference Room of the Administrative Complex. Board members present were Chairperson Judy Hayes, James Anglin, and Tom Murdic. Board members Steve Wherley and Clyde Barnhill were unable to attend.

Also present were: **Lewis Bumpus**, Solid Waste Director; Carolyn Gallagher, Recycling Coordinator; Phil Armor, G.N.R.C. Regional Director; and Geneil Dillehay, Dillehay and Associates.

Chairperson Hayes called the meeting to order.

Mr. Bumpus presented the Municipal Solid Waste Regional Plan Five-Year Update. He explained to the Board that the Plan gives a ten year history showing existing programs, as well as, the ten year projections for future programs. Mr. Bumpus referenced the Program Implementation Schedule (page 18, figure I-4), briefly explaining the following items:

- Re-bid waste transfer to Camden, TN
- Construction of aerobic bioreactor, which is already in operation
- Construct convenience center at Landfill
- Re-bid MRF Operating Contract, on a 1 year basis
- Initiate carpet and padding recycling program
- Clean wood-waste recycling program to turn into mulch
- Expand waste reduction pilot programs
- Possible ban on cardboard in Landfill

At this time, Mr. Bumpus gave the Board a chart showing the remaining life estimate for the class III/IV site. At the past rate, the site only has approximately 20 months left, but with better compaction it can be expanded from 20 months to 2.1 years. Also, with the implementation of the projected new recycling programs, the remaining life estimated can be expanded from 2.1 years to 3.5 years.

Mr. Bumpus noted that the Solid Waste Education is already initiated with the Keep Williamson Beautiful program, in affiliation with Keep America Beautiful.

In reference to the Solid Waste Funding, Mr. Bumpus informed the Board that local government has subsidized so much of solid waste costs, that the public is not aware of the true costs of solid waste. There is no benefit to the individual to encourage recycling. He suggested a user fee be considered, which takes all tax monies from Solid Waste, making it an enterprise fund. Mr. Bumpus proposed user fees be implemented in 2003. He projects residents paying a user fee for approximately seven (7) years, then going to a "pay-as-you-throw" program. Businesses will go directly onto a "pay-as-you-throw" program.

Mr. Bumpus explained that he used the growth factor, plus any major capital outlay projects considered (i.e., convenience center upgrades) to arrive at the projected budget for ten years.

Mrs. Hayes questioned what percentage will go to a landfill in another county if they are required to pay to throw here. Mr. Bumpus stated that he does not feel that will be a problem since the rate structure will be very accommodating.

Mr. Murdic asked if the user fee will be a flat rate, or how it will be applied. Mr. Bumpus replied that it will be a flat rate user fee, but it will be unpopular because most will view it as a tax and not as a legal user fee.

**Municipal Solid Waste Board Meeting Minutes**  
**May 31, 2000 - Page Two**

Mrs. Hayes suggested preliminary studies on user fees and pay-to-throw programs before any considerations are given, and questioned an increase in the amount of roadside litter after implementing user fees. Mr. Bumpus stated that studies show that roadside litter actually decreased after user fees are implemented. Mrs. Hayes requested a synopsis of how the user fee programs work, and Mr. Bumpus stated he intends to have other counties, who have already implemented user fees, to assist in educational meetings to answer and address any questions and concerns.

Mr. Murdic asked what an approximate figure might be for a user fee, and Mr. Bumpus offered an approximate amount of \$4.00 per month for households that use convenience centers. This is based on a county, similar in size, who has adopted a user fee program, and are planning to reduce their \$5.00 user fee.

Ms. Gallagher inquired as to whether it would be easier to raise property taxes, and Mr. Bumpus stated that an increase in property taxes does not provide an incentive to recycle. He feels there will never be a true reduction as long as solid waste is being subsidized.

Mr. Murdic asked how a situation will be handled when an individual is paying a fee for a subscription service, but needs to use a convenience center on occasion. Mr. Bumpus pointed out that an allowance will be built into the system to accommodate spring and fall clean-ups.

Mrs. Hayes suggested to also consider some type of reduction in the rate structure for senior citizens. Mr. Bumpus noted that the proposed rate structure contains an allowance for the elderly and/or low income of approximately 50% less.

At this time, Mr. Bumpus requested a clarification on the rates voted on at the last Solid Waste Board meeting. He would like the rates to be as follows:

- \$ 2.00 / cubic yard for clean wood waste - dry and/or green (separated)
- \$ 3.25 / cubic yard if the waste is pre-processed and can be utilized in the recycling program (This is for the ADC recycling, which does not allow for large amounts of wood waste, and would prohibit the product from meeting the ADC recycling standards.)

Mrs. Hayes moved, seconded by Mr. Murdic, to accept the rates as clarified. The motion passed by unanimous voice vote, 3 - 0.

After further discussion, Mr. Murdic moved that Williamson County be the fiscal agent for the Solid Waste Advisory Board. Mr. Anglin seconded the motion, which passed by unanimous voice vote, 3 - 0.

Mr. Murdic moved, seconded by Mr. Anglin, to approve the Municipal Solid Waste Regional Plan Five-Year Update, with the corrections as stated. The motion passed by unanimous voice vote, 3 - 0.

At this time, Mrs. Hayes announced the Public Hearing officially open. There was no one present from the public to comment. Mr. Anglin moved, seconded by Mr. Murdic, to close the Public Hearing. The motion passed by unanimous voice vote, 3 - 0.

Ms. Gallagher updated the Board on the Keep Williamson Beautiful meeting to begin the certification process with the Keep America Beautiful representatives. She also informed them of the upcoming composter sale and classes.

There being no further business, the meeting adjourned at approximately 6:10 p.m.



## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

City of Fairview  
P.O. Box 69  
Fairview, TN 37062

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board

Waste Reduction . . . Reuse . . . Recycle 

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## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

City of Franklin  
P.O. Box 305  
Franklin, TN 37065

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board



## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

Williamson County Planning Commission  
1320 W. Main Street  
Franklin, TN 37064

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board



## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

City of Nolensville  
P.O. Box 547  
Nolensville, TN 37135

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board

Waste Reduction . . . Reuse . . . Recycle



Printed on recycled paper



## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

City of Spring Hill  
P.O. Box 57  
Spring Hill, TN 37174

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board



## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

City of Thompson's Station  
P.O. Box 100  
Thompson's Station, TN 37179

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board



## Williamson County Solid Waste Department



5750 Pinewood Road • Franklin, TN 37064

Phone: 615.790.0742 • Fax: 615.791.6968

May 8, 2000

City of Brentwood  
P.O. Box 788  
Brentwood, TN 37024

Attention: City Planner

This letter is to inform you that a copy of the Five-Year update to the Williamson County Municipal Solid Waste Regional Ten-Year Plan is available for your review at the locations on the attached sheet.

This plan was prepared to comply with the planning provisions of the Solid Waste Management Act of 1991. This Act requires that Local Government Planning Commissions be advised of the preparation of the update to the region's Solid Waste Plan and be given the opportunity to review and comment on it. Should you wish to make written comments on the plan prior to the June Solid Waste Board meeting, you may do so by contacting:

Lewis Bumpus  
5750 Pinewood Road  
Franklin, TN 37064

Thank you,

Lewis Bumpus  
Solid Waste Director  
Technical Secretary to Regional Solid Waste Board

Williamson County Public Library

Main Library  
611 West Main Street  
Franklin, TN

Bethesda Branch  
4905 Bethesda Road  
Thompson Station, TN

Fairview Branch  
710 Fairview Blvd West  
Fairview, TN

Leiper's Fork Branch  
5333 Old Highway 96  
Leiper's Fork, TN

Nolensville Branch  
915 Oldham Drive  
Nolensville, TN

**LATE FILED**  
Resolution No. 6-00-34

**RESOLUTION APPROVING A FIVE YEAR UPDATE TO THE  
TEN YEAR SOLID WASTE PLAN FOR WILLIAMSON COUNTY**

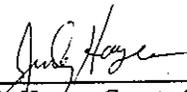
**WHEREAS,** in accordance with the Solid Waste Act of 1991, Williamson County is required to provide a Ten Year Solid Waste Plan outlining the local provisions for disposing of solid waste; and,

**WHEREAS,** the Williamson County Municipal Solid Waste Board was established by the Williamson County Board of Commissioners to develop a Ten Year Solid Waste Regional Plan; and,

**WHEREAS,** said plan was adopted by the Municipal Solid Waste Board and by the Board of Commissioners in July, 1994; and,

**WHEREAS,** the Solid Waste Act of 1991 also requires that a five year update be provided to the aforementioned plan, a copy of which has been provided to and approved by the Municipal Solid Waste Board, a copy provided for each County Commissioner, and a copy of which is on file in the County Clerk's Office;

**NOW, THEREFORE, BE IT RESOLVED,** by the Board of Commissioners, meeting in regular session this the 12<sup>th</sup> day of June, 2000, that the Five Year Update to the Ten Year Municipal Solid Waste Plan is adopted.

  
\_\_\_\_\_  
Judy Hayes - County Commissioner

**COMMITTEES REFERRED TO & ACTION TAKEN:**

Municipal Solid Waste Board For 5 Against 0  
For      Against       
Commission Action Taken: For 22 Against 0 Pass 0 Out 0

\_\_\_\_\_  
Elaine Anderson County Clerk

\_\_\_\_\_  
Rogers C. Anderson - Commission Chairman

\_\_\_\_\_  
Clint Callicott, County Executive

\_\_\_\_\_  
Date

(SWastePlanUpdate-5Yr)