



REGIONAL REVIEW NOTIFICATION

Atlanta Regional Commission • 40 Courtland Street NE, Atlanta, Georgia 30303 • ph: 404.463.3100 • fax:404.463.3105 • www.atlantaregional.com

DATE: Oct 4 2005

ARC REVIEW CODE: P51041

TO: Mayor A. Max Bacon
ATTN TO: Susan D. Hiott, City Clerk
FROM: Charles Krautler, Director

NOTE: This is digital
signature. Original on file.

The Atlanta Regional Commission (ARC) has received the following proposal and is initiating a regional review to seek comments from potentially impacted jurisdictions and agencies. The ARC requests your comments regarding related to the proposal not addressed by the Commission's regional plans and policies.

Name of Proposal: City of Smyrna Solid Waste Management Plan 2006-2015

Review Type: Solid Waste Management Plan

Description: 2006-2015 Solid Waste Management Plan for the City of Smyrna.

Submitting Local Government: City of Smyrna

Action Under Consideration: Approval

Date Opened: Oct 4 2005

Deadline for Comments: Oct 18 2005

Earliest the Regional Review can be Completed: Dec 3 2005

THE FOLLOWING LOCAL GOVERNMENTS AND AGENCIES ARE RECEIVING NOTICE OF THIS REVIEW:

ARC LAND USE PLANNING
GEORGIA DEPARTMENT OF NATURAL RESOURCES
CITY OF AUSTELL
CITY OF KENNESAW
CITY OF ATLANTA

ARC ENVIRONMENTAL PLANNING
GEORGIA CONSERVANCY
CITY OF POWDER SPRINGS
CITY OF ACWORTH
DOUGLAS COUNTY

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS
COBB COUNTY
CITY OF MARIETTA
FULTON COUNTY
UPPER CHATTAHOOCHEE RIVERKEEPER

Attached is information concerning this review.

If you have any questions regarding this review, Please call Mike Alexander, Review Coordinator, at (404) 463-3302. If the ARC staff does not receive comments from you by Oct 18 2005, we will assume that your agency has no additional comments and we will close the review. Comments by email are strongly encouraged.

The ARC review website is located at: <http://www.atlantaregional.com/qualitygrowth/reviews.html> .



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NOTICE OF LOCAL PLAN SUBMITTAL AND HEARING/COMMENT OPPORTUNITY

Submitting Local Government:	City of Smyrna	Date Received:	Oct 4 2005
Local Contact:	Susan D. Hiott, City Clerk City of Smyrna	Public Hearing Date and Time:	2005-10-18 8:30am
Phone:	770-319-5301	E-Mail:	cjoiner@ci.smyrna.ga.us
Fax:	770-319-5316	Website:	
Street	2800 King Street	City State, Zip:	Smyrna, Georgia 30080

Department of Community Affairs Review Required

Review Title:	City of Smyrna Solid Waste Management Plan 2006-2015
Description:	2006-2015 Solid Waste Management Plan for the City of Smyrna. Document can be viewed on the ARC website at: http://www.atlantaregional.com/qualitygrowth/compplanreviews.html Click on the Regional Review Notice for the City of Smyrna.

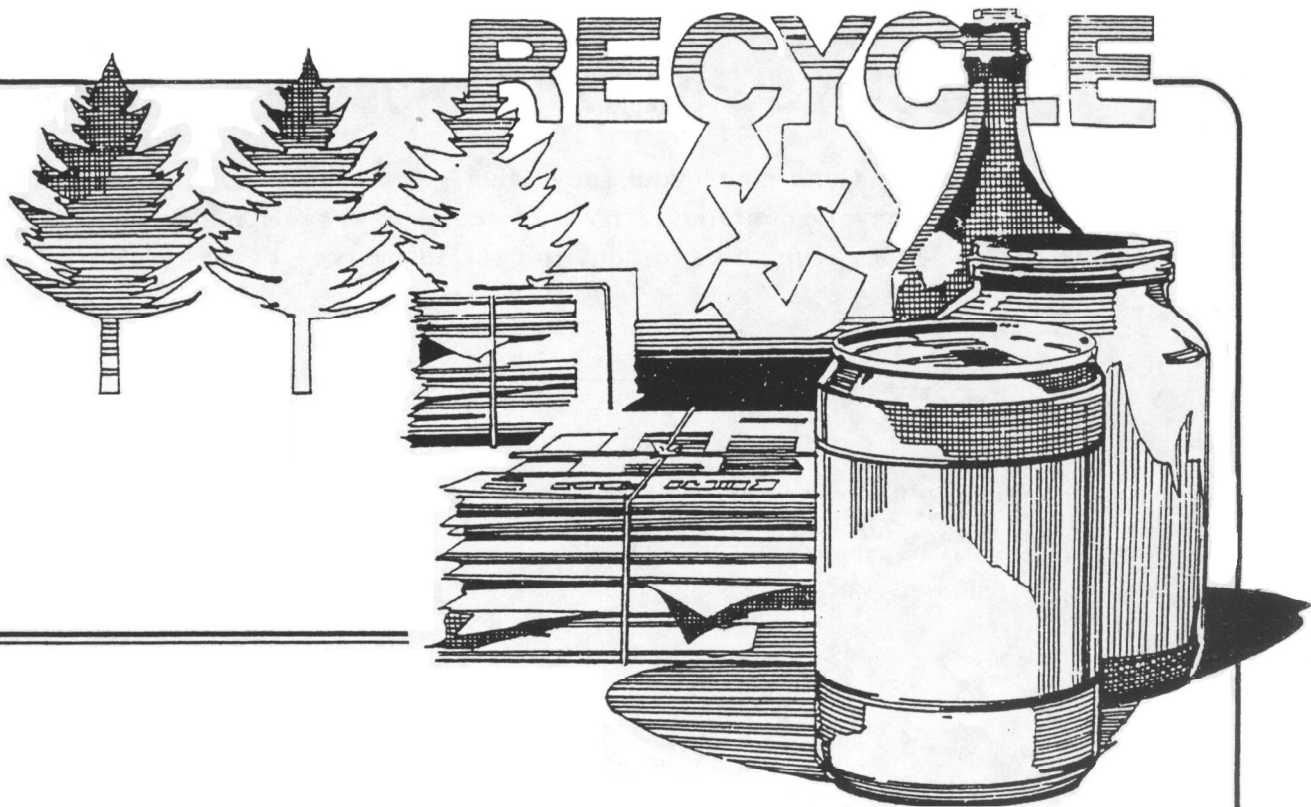
The submitted documents are available for review at the City and at ARC.

Reviewing Regional Development Center:

Atlanta Regional Commission
40 Courtland Street, NE Atlanta, GA. 30303
Phone 404.463.3302 FAX 404.463.3254

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SOLID WASTE MANAGEMENT PLAN

2006 - 2015

Prepared for
CITY OF SMYRNA, GEORGIA
August 2005

Prepared by



445 Manget Street
Marietta, Georgia 30060

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1.1 PURPOSE OF STUDY

The Georgia Comprehensive Solid Waste Management Act of 1990 requires that each city and county develop or be included in a Solid Waste Management Plan. The plan should identify methods to:

- A. Reduce the amount of solid waste disposed of in 1992 by twenty five percent (per capita) and;
- B. Provide adequate solid waste handling capability and capacity for the subsequent ten year period.

This Solid Waste Management Plan has been prepared to meet these goals for the City of Smyrna.

1.2 METHODOLOGY

In order to prepare the Solid Waste Management Plan, three major components had to be addressed:

- A. Inventory and assessment of existing facilities.
- B. Determination of needs and goals
- C. Implementation strategy to meet needs and goals identified.

1.3 RECOMMENDATIONS AND IMPLEMENTATION

The City of Smyrna has been proactive in solid waste collection, disposal, waste reduction, and education. A combination of public and private partnerships are used by the City for municipal solid waste services. Recommendation and implementation strategies have been addressed in Section Seven.

2.1 BACKGROUND

During the 1990 session of the Georgia General Assembly, the Georgia Comprehensive Solid Waste Management Act was passed. The act required each City and County to develop or be included in a comprehensive Solid Waste Management Plan. Noncompliance with the Act results in the communities being ineligible for selected state assistance programs and/or solid waste permits.

The Act set out two statewide goals to be met in each local or multi-jurisdictional plan:

- A. Achieve a 25 percent per capita reduction in solid waste disposal, based on municipal solid waste disposal rates in FY1992; and
- B. Ensure adequate solid waste handling capability and capacity for the subsequent 10 year period.

2.2 PLANNING ELEMENTS AND GOALS

The Georgia Department of Community Affairs has revised their Minimum Planning Standards and Procedures for Solid Waste Management Planning. The plan must address the five core planning elements identified below:

- A. Waste Reduction;
- B. Collection
- C. Disposal
- D. Land Limitations; and
- E. Education and Public Involvement

In addition, the plan must include an implementation strategy.

2.3 DEFINITIONS

The following terms and definitions shall be used to guide the implementation of the solid waste management planning process.

- A. “Comprehensive Plan” means any plan by a county or municipality covering such county or municipality or any plan by a Regional Development Center covering the center’s region proposed or prepared pursuant to the minimum standards and procedures for preparation of comprehensive plans and for implementation of comprehensive plans, established by the Department of Community Affairs in accordance with the O.C.G.A. sec. 50-8-7.1(b) and sec.50-8-7.2.
- B. “Comprehensive Solid Waste Management Plan” means any solid waste management plan by a county or municipality, any group of local jurisdictions

agreeing to plan together, or any local or regional solid waste authority, or any plan by a Regional Development Center on behalf of a member county or municipality, covering such county or municipality individually or in conjunction with other local governments prepared pursuant to the minimum standards and procedures for comprehensive solid waste management plans and for implementation of comprehensive solid waste management plans, established by the Department in accordance with O.C.G.A. sec. 12-8-31.1.

- C. “Composting” means the controlled biological decomposition of organic matter into a stable, odor-free humus.
- D. “DNR” means to Georgia Department of Natural Resources.
- E. “Eligible Local Government” means a government has adopted and notified the Department of its adoption of a solid waste management plan and a short-term work program update that the Department has determined meets the Minimum Standards and Procedures for Solid Waste Management Planning.
- F. “Enterprise Fund” means a fund established to account for operations that are financed and operated in a manner similar to private business enterprises.
 - 1. Where it is the intent of the governing body to finance or recover the costs of providing goods or services primarily through user charges; or
 - 2. Where the governing body has decided that periodic determination of revenues earned, expenses incurred, and net income are appropriated for capital maintenance, public policy, management control, accountability, or other related purposes.
- G. “EPD” means the Environmental Protection Division of the Georgia Department of Natural Resources.
- H. “Georgia Comprehensive Solid Waste Management Act” means the Georgia Comprehensive Solid Waste Management Act of 1990, O.C.G.A. sec. 12-8-20 *et seq.*, which establishes the statutory authority for local governments to develop solid waste management plans. The Act also requires local governments to report annually to the Department and to the public the amount of solid waste generated and the cost of disposing of that waste.
- I. “Georgia Planning Act” means the Georgia Planning Act of 1989, O.C.G.A. sec. 50-8-1 *et seq.*, which establishes the statutory for local governments to undertake comprehensive plans, which comply with the Minimum Planning Standards and Procedures as established by the Department.
- J. “Household Hazardous Waste” (HHW) means unwanted household products that are labeled as flammable, toxic, corrosive, or reactive.
- K. “Implementation Strategy” means the narrative and year-specific description that each county and municipality must submit as an element of a comprehensive solid waste management plan. An implementation strategy describes how each local government intends to implement its comprehensive solid waste management plan through a ten-year period, including a listing of public actions to be undertaken by the community toward implementation of

the comprehensive solid waste management plan and the related costs of such actions. For regional plans, the implementation strategy must also detail solid waste management activities to be undertaken by any regional entity, or by any local government on behalf of other local governments through contracts or other formal arrangements.

- L. “Minimum Standards and Procedures” means the minimum standards and procedures, including the minimum elements which shall be addressed and included for preparation of local, multi-jurisdictional, and regional solid waste management plans, for implementation of local comprehensive plans, and for participation in the coordinated and comprehensive planning process. Minimum standards and procedures may include any elements, standards, and procedures for such purposes prescribed by a Regional Development Center for counties and municipalities within its region and approved in advance by the department, in accordance with O.C.G.A. sec. 50-8-1 *et seq.* and the rules and guidelines developed by the Department.
- M. “Mulch” a byproduct typically comprises of materials from land clearing and yard trimmings that have been size-reduced by grinding, chipping, or shredding and used *on top of the soil* to retain moisture around vegetation or for aesthetic purposes.
- N. “Municipal Solid Waste” means any solid waste derived from households, including garbage, trash, and sanitary waste in septic tanks and means solid waste from single family and multifamily residences, hotels and motels, bunkhouses, campgrounds, picnic grounds, and day use recreation areas. The term includes yard trimmings and commercial solid waste but does not include recovered materials, or solid waste from mining, agricultural, or silvicultural operations or industrial processes or operations.
- O. “Municipality” means any municipal corporation of the state and any consolidates city-county government of the state.
- P. “Operating Costs” means any costs incurred during the normal course of the operation of a business, government, or organization, including expenditures for items such as salaries, wages, and benefits; supplies and utilities; and gas, oil, and maintenance.
- Q. “Plan Approval” means the certification conferred by the Department acknowledging that a local government has prepared, submitted to the regional development center for review, and has received written approval from the Department that their plan, plan amendment, or short-term work program update meets the minimum standards and procedures and may be adopted.
- R. “Recovered Materials” means those materials which have known use, reuse, or recycling potential; can be feasibly used, reused, or recycled; and have diverted or removed from the solid waste stream for sale, use, reuse, or recycling, whether or not requiring subsequent separation and processing.

- S. “Recycling” means any process by which materials that would otherwise become solid waste are collected, separated, or processed and reused or returned to use in the form of raw materials or products.
- T. “Regional Development Center” means a Regional Development Center established under O.C.G.A. sec. 50-8-32.
- U. “Short Term Work Program” means that portion of the Implementation Strategy that lists the specific actions to be undertaken annually by the local government over the upcoming five years to implement the approved comprehensive solid waste management plan.
- V. “Solid Waste” means any garbage or refuse; sludge from a wastewater treatment plant, water supply treatment plant, or air pollution control facility; and other discarded material including solid, semisolid, or contained gaseous material resulting from industrial, commercial, mining, and agricultural operations and community activities, but does not include recovered materials; solid or dissolved materials in domestic sewage; solid or dissolved materials in irrigation return flows or industrial discharge that are point sources subject to permit under 33 U.S.C. sec. 1342; or source, special nuclear, or by-product material as defined by the Federal Atomic Energy Act of 1954, as amended (68 Stat. 923).
- W. “Solid Waste Handling” means the storage, collection, transportation, treatment, utilization, processing, or disposal of solid waste, or any combination of such activities.
- X. “Source Reduction” means actions taken to prevent the generation of waste in the first place.
- Y. “Subtitle D” means the 1991 amendments to Subtitle D of the Resource Conservation and Recovery Act, 40 CFR Part 257 and 258. These amendments, adopted by the State of Georgia in DNR Rule 391-3-4, require, among other things, specific design standards for solid waste landfills, such as synthetic liners, leachate collection and treatment, groundwater monitoring, and methane collection systems, intended to extend an extra measure of protection to air and water quality.
- Z. “Waste Stream Analysis” means an inventory and analysis of the solid waste stream, including amounts of waste being generated and/or disposed, the source of the waste (i.e., residential, commercial), and a characterization of the waste by composition (i.e., paper, food, yard trimmings). A waste stream analysis also includes a percentage accounting of the waste stream by source and by composition.

3 STUDY AREA PROFILE

3.1 LIMITS OF STUDY AREA

The study area for this plan encompasses the city limits for the City of Smyrna. The City of Smyrna, known as the Jonquil City, is located approximately 10 miles northwest of Atlanta, in the southeastern quadrant of Cobb County.

The City is strategically located near three interstate and intrastate highway systems: I-75, I-20, and I-285. In addition, several principal arterial roadways, such as Cobb Parkway (U.S. Highway 41), Atlanta Road (State Highway 3) and South Cobb Drive (State Highway 280), pass through the municipality. The Cobb Community Transit (CCT) bus system provides public transportation for Smyrna residents with links to the Metropolitan Atlanta Rapid Transit Authority (MARTA) rapid-rail network. There are also two major railways that service Smyrna and four airports can be found within an 18-mile radius of the City.

3.2 POPULATION

The most recent population figures from the 2000 U.S. Census show the City population to be 40,999. ARC estimates for 2003 list the City of Smyrna at 44,184. Table 3.1 shows the population change since 1950.

1950	2,005
1960	10,157
1970	19,157
1980	20,312
1990	30,981
2000	40,999
2003	44,184**

* Source: Cobb County Chamber of Commerce/U.S. Census Bureau

** ARC

3.3 HOUSING

The total number of housing units in 2000 was 19,633, with a 50.1% ownership rate. Housing units include approximately 10,500 single family units and approximately 9,200 multifamily units.

3.4 ECONOMIC ACTIVITY

The largest employer in the City of Smyrna is IBM Corporation. The City had a 2000 unemployment rate of 4.6%. As identified by the Georgia Department of Labor, Table 3.2 indicates the number of businesses and employees for each sector in Cobb County.

TABLE 3.2
Cobb County Employment

Industry	Number of Firms	Number of Employees	Percent
Goods Producing	2,830	46,660	15.7
Agriculture, Forestry & Fishing	22	86	0
Mining	5	144	0
Construction	2,109	24,406	8.2
Manufacturing	694	22,024	7.4
Food Manufacturing	30	1,594	0.5
Beverage & Tobacco Mfg.	6	148	0
Textile Mills	*	*	*
Textile Product Mills	25	210	0.1
Apparel Manufacturing	6	142	0
Leather & Allied Product Mfg.	*	*	*
Wood Product Manufacturing	26	811	0.3
Paper Manufacturing	23	1,570	0.5
Printing and Related Activities	148	1,481	0.5
Petroleum and Coal Products Mfg.	*	*	*
Chemical Manufacturing	42	1,994	0.7
Plastics & Rubber Products Mfg.	23	599	0.2
Nonmetallic Mineral Product Mfg.	32	836	0.3
Primary Metal Manufacturing	*	*	*
Fabricated Metal Product Mfg.	79	1,185	0.4
Machinery Manufacturing	50	1,028	0.3
Computer & Electronic Product Mfg.	38	992	0.3
Electrical Equipment/Appliance	9	41	0
Transportation Equipment	*	*	*
Furniture & Related Product Mfg.	46	585	0.2
Miscellaneous Mfg. Industries	78	908	0.3
Service Producing	16,105	218,447	73.5
Wholesale Trade	2,115	24,891	8.4
Retail Trade	2,100	37,784	12.7
Transportation & Warehousing	355	6,521	2.2
Utilities	12	1,024	0.3
Information	365	10,513	3.5
Finance & Insurance	1,297	14,330	4.8
Real Estate & Rental & Leasing	931	6,592	2.2
Professional, Scientific/Tech Svcs.	3,194	24,557	8.3
Management: Companies/Enterprises	103	6,086	2
Administrative & Waste Svcs.	1,274	23,335	7.9
Educational Services	193	2,296	0.8
Health Care & Social Services	1,270	22,567	7.6
Arts, Entertainment & Recreation	227	3,644	1.2
Accommodation & Food Services	1,241	26,218	8.8
Other Services (Except Government)	1,429	8,090	2.7
Unclassified - Industry not Assigned	199	274	0.1
Total - Private Sector	19,135	265,381	89.3
Total - Government	265	31,723	10.7
Federal Government	31	2,696	0.9
State Government	46	4,365	1.5
Local Government	188	24,663	8.3
ALL INDUSTRIES	19,400	297,104	100.0

* Not Available

4 INVENTORY OF CURRENT WASTE MANAGEMENT PRACTICES

4.1 INTRODUCTION

This section documents the current solid waste management practices within the study area. The following elements of the existing solid waste management program were reviewed:

1. Waste source and characterization
2. Current waste collection practices
3. Current disposal methods
4. Current recycling programs

4.2 SOURCE, CHARACTER AND VOLUME OF WASTE STREAM

An evaluation of current waste collection practices requires an understanding of the sources, character and volume of the waste stream. A listing of waste generations and the typical waste associated with the source is shown below in Table 4.1.

TABLE 4.1
Solid Waste Sources and Typical Waste Stream

Source	Typical Waste
Residential (kitchen, household, yard)*	Paper, yard debris, food, plastics, glass, wood, rubber, leather, textiles, and white goods (appliances)
Commercial (retail and convenience stores, supermarkets, business offices, government offices)	Paper (corrugated, office), plastic (packaging), food, wood, styrofoam
Institutional (schools and hospitals)	Food, paper, textiles, plastics, styrofoam
Industrial – light (offices, cafeterias, fast food)	Food, paper, plastics, styrofoam
Industrial – heavy (manufacturing, food processing)	Sludges, wood, food, others
Construction – demolition (residential, commercial)	Wood, metals, land clearing waste (stumps, dirt), concrete, masonry, roofing, glass, others
Open area (roadways, parks, public land)	Dirt, pavement, concrete, brush, trees, paper, food
Treatment Plant (water, wastewater)	Sludge, grit
Agricultural	Crop waste, offal

* MULTI FAMILY UNITS INCLUDED

The composition of Municipal Solid Waste in the United States was characterized for the U.S. ENVIRONMENTAL PROTECTION AGENCY by Franklin and Associates (2003). This characterization is given in Table 4.2.

TABLE 4.2
CHARACTERIZATION OF SOLID WASTE

35.2%	Paper
11.3%	Plastic
5.3%	Glass
8.0%	Metals
7.4%	Rubber, Leather & Textiles
5.8%	Wood
11.7%	Food Waste
12.1%	Yard Trimmings
3.4%	Other Waste

The City of Smyrna does not experience unique or seasonal variations that would dramatically alter the composition or quantities of waste to be disposed of.

Current waste estimates for the City of Smyrna, based on the 2004 Georgia Solid Waste Management Report estimate of 6.5 lb/person/day*, would be approximately 55,000 tons/year.

The total residential and commercial waste collected by city forces for the twelve month period ending June 30, 2005 was estimated at 27,604 tons. Information provided by Waste Management for the same period showed a total of 19,891 tons collected from commercial and multi-family units. The combined MSW collected by the City and Waste Management for FY05 is 47,495 tons or 5.7 lb/person/day.

It is assumed that the above number is lower than the state average for the following reasons:

1. The effectiveness of existing waste reduction programs;
2. Unaccounted for C&D waste

Table 4.3 shows waste projections based on the estimated per capita waste disposed as derived above. If the per capita disposal rate were to remain the same, it is estimated that 58,203 tons per year would be generated for disposal by the end of the planning period (FY15).

* Excludes out of state wastes

**TABLE 4.3
WASTE DISPOSAL PROJECTIONS AT CURRENT
PER CAPITA DISPOSAL RATE**

<u>FY</u>	<u>Estimated Population*</u>	<u>Estimated Annual MSW (Tons)</u>
2006	46,503	48,290
2007	47,502	49,327
2008	48,502	50,366
2009	49,501	51,403
2010	50,501	52,442
2011	51,611	53,594
2012	52,720	54,746
2013	53,830	55,898
2014	54,939	57,050
2015	56,049	58,203

* Source: City of Smyrna

4.3 COLLECTION

Residential collection services are provided by the City of Smyrna. The City offers two basic services to residential customers. They include a once per week curbside with a rolling cart or twice per week for buried can service. The buried can option is not available to new customers. In addition to the basic service, the City collects yard trimmings, white goods and other materials curbside. The City serves approximately 12,421 residential customers.

The City also operates a staffed drop off site located at their recycling and education center. MSW disposal at this site is limited to City residents only.

Multi-family and commercial collection services are provided by both the City and a private vendor. The private vendor, Waste Management, provides services via a contract with the City. The City and Waste Management jointly serve approximately 1,132 commercial and multi-family customers. All customer billings are provided by the City of Smyrna. A copy of the City's current sanitation rates is included in Appendix A.

Municipal waste collected by the City is delivered to a privately owned transfer station located on Plant Atkinson Road. Waste is transported from the transfer station to a private municipal solid waste landfill located in Cherokee County, Georgia. The disposal facility, Pine Bluff Landfill, is owned by Waste Management. The 2004 Georgia Solid Waste Management Report listed the remaining permitted capacity for this landfill in excess of 61 years.

4.3.1 Assessment of Collection and Disposal Programs

The City's collection and disposal programs for solid waste are sufficient to meet existing and future community needs. With the availability of curbside and drop-off service, the City does not have issues with illegal dumping.

As the population continues to grow, the City should continue to review staffing needs and collection methods.

4.4 WASTE REDUCTION ACTIVITIES

4.4.1 Recycling

Curbside collection of recycling materials for residential customers is provided by a private vendor, under contract with the City of Smyrna. Materials presently targeted and accepted for residential curbside collection are as follows:

- Newspaper
- Glass
- Aluminum cans
- Metal
- #1 & #2 plastic
- Cardboard
- Motor oil

Supplementing the curbside program, the City operates a staffed Recycling and Education Center. The center is located at 645 Smyrna Hill Drive. In addition to the items listed above, the City accepts:

- Magazines
- Office paper
- Bulk mail
- Phone books
- Scrap metal
- Large appliances
- Rechargeable batteries
- Automobile batteries
- Yard waste
- Toner cartridges
- Cell phones

The center accepts recyclables from both resident and non-residents, with the exception of yard waste and plastics. The City also has six unmanned drop off sites located within city parks for newspaper and magazines.

The Keep Smyrna Beautiful (KSB) department provides educational information, participates in community outreach programs and host special events. A sampling of the programs offered by KSB include:

- Adopt-A-Mile
- Partner-in-Education

- Community Service
- Litter Free Events
- Help the Hooch/Rivers Authority
- Bring One for the Chipper

Appendix B includes a copy of the KSB FY05 Annual Report detailing activities undertaken.

Supplementing the City facilities, there are numerous drop off sites within the City operated by private, religious, institutional and industrial organizations. These sites mainly collect newspapers, magazines and aluminum.

During FY 2005, the City’s vendor and recycling center collected over 2,610 tons of recyclable materials. Table 4.4 lists the processors for the recycled materials collected at the recycling center. Recyclable materials collected curbside are processed and marketed by a private vendor.

4.4.2 Yard Waste

The City of Smyrna provides curbside collection of yard waste for City residents. They also collect yard waste at the Recycle and Education Center. Yard waste collected is chipped into mulch and stockpiled at the Public Works Complex. The mulch is used by City crews for landscaping and made available to City residents. Large trees, stumps and excess yard waste generated by storm events is hauled for disposal in a construction/demolition landfill located on Bolton Road. During FY 2005, over 14,850 tons of yard waste were collected.

The Recycling and Education Center does provide information on home composting.

**TABLE 4.4
EXISTING MATERIALS PROCESSORS**

<u>Firm</u>	<u>Material</u>
Dixie Recycling	Cardboard
Southeastern Paper, Inc.	Newspaper, Magazines & Phone Books
G Group	Aluminum
Strategic Materials	Glass
Enwell Metal Recycling	Metal
FCL Recycling	Mixed and Office Paper
Laser Life	Toner Cartridges
Collective Good	Cell Phones
Rechargeable Batteries Recycling Corp.	Rechargeable Batteries

Riverview	Plastics
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4.4.3 Items Requiring Special Handling

Miscellaneous items such as white goods, furniture and metals can be dropped off at the City’s Recycle and Educational Center or picked up curbside with a special request. A fee of \$20.00 is imposed for curbside pickup. An additional fee is charged for items requiring freon removal.

4.4.4 Assessment of Waste Reduction Programs

The City of Smyrna provides curbside collection of recyclables, yard waste and special handling waste. They also provide a manned drop off facility and unmanned satellite facilities for waste reduction. The City’s facilities along with the KSB educational efforts are effectively reducing the amount of MSW being landfilled.

5 WASTE DISPOSAL FACILITIES

5.1 INVENTORY OF SOLID WASTE DISPOSAL FACILITIES

The City of Smyrna utilizes the private sector for their waste disposal needs. Municipal waste is hauled by the City to a transfer station located on Plant Atkinson Road. Waste is then transported to a private MSW landfill in Cherokee County for final disposal. Excess yard waste collected is hauled to the Bolton Road C&D landfill. Waste is expected to continue going to the facilities listed in Table 5.1, throughout the planning period.

TABLE 5.1

<u>Facility</u>	<u>Owner</u>	<u>Location</u>
Transfer Station	Waste Management	207 Plant Atkinson Road, Smyrna, Georgia
Pine Bluff MSW Landfill	Waste Management	13809 E. Cherokee Drive, Ballground, Georgia
Bolton Road C&D Landfill		2236 Bolton Road Atlanta, Georgia

5.2 ASSURANCE OF 10 YEAR DISPOSAL CAPACITY

The 2004 Georgia Solid Waste Management Report listed the remaining permitted capacity for the Pine Bluff Landfill in excess of 61 years. A letter from Waste Management stating adequate capacity has been included in Appendix C.

5.3 SITE LIMITATIONS

Siting criteria has been established by the Georgia Environmental Protection Division (EPD). In order to site a new landfill, the entity must satisfy the requirements of the EPD's Circular 14, entitled "Criteria for Performing Site Acceptability Studies for Solid Waste Landfills in Georgia". This document includes a number of environmental limitations and land use factors that restrict or eliminate areas from consideration as shown below:

Environmental Limitations

- Flood plains
- Wetlands
- Groundwater Recharge Area
- Water Supply Watersheds

- Seismic Impact Zones

Land Use Factors

- Land use plans/zoning restrictions
- Built-up area (heavily developed areas)
- Distance from National Historical Sites
- Proximity to airports
- Distance from jurisdictional boundaries
- Access

There are no areas currently zoned for future landfill construction within the City of Smyrna. The City's future land use map is included in Appendix E.

5.4 PROCEDURES FOR SITING SOLID WASTE FACILITIES

Any entity requesting a renewal or issuance of a solid waste handling permit from EPD must demonstrate that the facility or facility expansion is consistent with the City's Solid Waste Management Plan. The City will use the following criteria to determine whether the issuance of the requested permit is consistent with the Solid Waste Management Plan.

- Determine whether the proposed facility or facility expansion is sited in an area deemed unsuitable according to EPD Circular 14.
- Determine whether the proposed facility or facility expansion is sited in a location that is consistent with local zoning ordinances.
- Determine whether the proposed facility or facility expansion negativity impacts the City's ability to contribute to the State's 25 percent waste reduction goal.
- Determine whether the proposed facility or facility expansion negativity impacts the financial viability of the City's solid waste management system.

No proposed facility or facility expansion will be sited in the City without a letter from the Mayor stating that the facility is consistent with the Solid Waste Management Plan. The City Council will hold a least one public hearing to gather input to make this determination.

5.5 ASSESSMENT OF WASTE DISPOSAL FACILITIES

Existing waste disposal facilities are meeting the needs of the City and appear to have adequate capacity to meet future needs. The procedures for siting a new solid waste facility will help ensure that any new facility sited in the City will be consistent with this plan.

6.1 COLLECTION

The City has an adequate collection system in place. As the population continues to grow, the City should evaluate staffing and equipment needs such as automated systems to continue effectively serving their customers. Continued partnerships with the private sector will help the City reduce future capital cost.

6.2 WASTE REDUCTION AND EDUCATION

Waste reduction is addressed both curbside and with staffed and un-staffed drop off facilities. The City's Recycling and Education Center will require a relocation in order to expand due to site limitations. An expanded Recycling and Education Center will allow the City to provide more efficient service to City residents and better process materials for markets and move forward to achieving the states per capita reduction goal.

6.3 DISPOSAL

The private sector is adequately meeting the City's disposal needs. The City's goal with regards to new solid waste facilities, is to ensure that proposed facilities are compatible with surrounding areas and consistent with the Solid Waste Management Plan.

7 IMPLEMENTATION STRATEGIES

7.1 SUMMARY OF CITY NEEDS AND GOALS

In accordance with the Georgia Comprehensive Solid Waste Management Act, the City of Smyrna has established the following needs and goals as part of its Solid Waste Management Plan:

- A. Ensure efficient and effective collection and disposal of solid waste in the City over the next ten years.
- B. Contribute to Georgia's statewide goal of 25 percent per capita reduction in solid waste disposal.

Table 7.1 presents the City's proposed plan to meet the needs and goals for:

- Collection
- Waste Reduction
- Disposal
- Education and Public Involvement
- Land Limitations

**TABLE 7.1
CITY OF SMYRNA 10-YEAR WORK PLAN
2006-2015**

PLAN ELEMENT AND IMPLEMENTATION ACTIVITY	YEAR TO BE IMPLEMENTED										RESPONSIBLE PARTY	ESTIMATED COST (IF AVAILABLE)	FUNDING SOURCES
	06	07	08	09	10	11	12	13	14	15			
WASTE COLLECTION													
Continue residential and commercial collection	X	X	X	X	X	X	X	X	X	X	City	\$1,876,836/yr	User Fees
Continue contracting w/private vendor for multi-family and commercial waste collection	X	X	X	X	X	X	X	X	X	X	City/Private	Included in Activity No.1	User Fees
Continue curbside collection of yard waste and special handling waste	X	X	X	X	X	X	X	X	X	X	City	Included in Activity No.1	User Fees
Continue monitoring the cost and effectiveness of collection practices	X	X	X	X	X	X	X	X	X	X	City	Included in Activity No.1	User Fees
WASTE REDUCTION													
Continue curbside collection of recyclables	X	X	X	X	X	X	X	X	X	X	City/Private	Included in Activity No.1	User Fees
Continue operation of Recycling and Education center	X	X	X	X	X	X	X	X	X	X	City	Included in Activity No.1	User Fees
Continue curbside collection of yard trimmings/processing	X	X	X	X	X	X	X	X	X	X	City	Included in Activity No.1	User Fees
Continue educating businesses and multi-family units to establish recycling programs	X	X	X	X	X	X	X	X	X	X	City/Private	Included in Activity No.1	User Fees
Expand Recycling and Education Center		X									City	\$807,000	Local/Grants
Continue funding and supporting Keep Smyrna Beautiful Programs	X	X	X	X	X	X	X	X	X	X	City	Included in Activity No.1	User Fees
Annual monitoring of waste reduction programs	X	X	X	X	X	X	X	X	X	X	City	Included in Activity No.1	User Fees
DISPOSAL													
Continue contracting w/ private vendors for solid waste disposal	X	X	X	X	X	X	X	X	X	X	City	\$2,800,000/yr	User Fees
LAND LIMITATION													
Enforce procedures for siting solid waste facilities	X	X	X	X	X	X	X	X	X	X	City	As Required	Local
EDUCATION AND PUBLIC INVOLVEMENT													
Continue working w/ churchs, civic groups and others to promote waste reduction & recycling efforts	X	X	X	X	X	X	X	X	X	X	City	Included in Activity No.1	User Fees
Continue educational activities w/schools	X	X	X	X	X	X	X	X	X	X	City	Included in Activity No.1	Local
Continue newsletters and media outlets	X	X	X	X	X	X	X	X	X	X	City	Included in Activity No.1	Local
Expand Keep Smyrna Beautiful Staff						X			X		City	N/A	Local

APPENDIX A

**CITY OF SMYRNA
SANITATION RATES**

APPENDIX A-SANITATION RATES

Commercial/Multi-Family:

Size of Dumpster	Number of Times Picked Up Each Week					
	1	2	3	4	5	6
2 yard	37.94	72.59	100.15	124.21	155.29	182.89
4 yard	57.48	113.77	146.78	189.11	229.11	266.79
6 yard	76.89	160.76	213.20	251.67	292.47	336.77
8 yard	96.32	192.62	244.70	302.60	365.14	444.00

<u>Commercial Recycling:</u>	8yd. Dumpster	1x week pickup	62.44
		2x week pickup	124.87
		3x week pickup	187.30
		4x week pickup	249.73
		5x week pickup	312.18
		6x week pickup	376.64

Compactors: \$386.00 a month rental charge
 \$466.00 a month per pull charge

Commercial Herby Curby and Underground Can: \$22.50
 \$2.50 each additional can

Residential Sanitation Service Charges: *\$16.50 per household (Herby Curby 1/week)
 *\$18.50 per household (Underground Cans 2/week)

* Includes \$2.50 Recycling Charge

Construction Dumpster:

20 yard	\$100.00 rental	\$108.95 per pull charge	\$28.82 per ton
30 yard	\$100.00 rental	\$108.95 per pull charge	\$28.82 per ton
40 yard	\$180.00 rental	\$108.95 per pull charge	\$28.82 per ton

APPENDIX B

**KEEP SMYRNA BEAUTIFUL (KSB)
ACTIVITIES**

APPENDIX C

DISPOSAL ASSURANCE LETTER

APPENDIX D
PUBLIC PARTICIPATION

APPENDIX E

MAPS